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Appendix B.3

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	19.28	22.82	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	19.59	23.13	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	19.25	22.79	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	18.37	21.91	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	19.18	22.72	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	19.57	23.11	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	19.23	22.77	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	18.40	21.94	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	19.18	22.72	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	19.57	23.11	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	19.21	22.75	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	18.33	21.87	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	18.38	21.92	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	18.42	21.96	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	18.41	21.95	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	17.52	21.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	18.32	21.86	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	18.51	22.05	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	18.46	22.00	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	17.50	21.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	18.36	21.90	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	18.43	21.97	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	18.34	21.88	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	17.52	21.06	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	17.49	21.03	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	17.39	20.93	33.00	PASS



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Band2	1.4MHz	64QAM	18607	1RB#5	17.53	21.07	33.00	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	16.68	20.22	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	17.38	20.92	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	17.45	20.99	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	17.55	21.09	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	16.67	20.21	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	17.51	21.05	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	17.33	20.87	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	17.94	21.48	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	17.06	20.60	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	19.71	23.25	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	19.98	23.52	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	19.49	23.03	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	18.76	22.30	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	19.65	23.19	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	19.96	23.50	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	19.59	23.13	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	18.76	22.30	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	19.72	23.26	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	20.10	23.64	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	19.50	23.04	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	18.74	22.28	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	18.78	22.32	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	18.83	22.37	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	18.89	22.43	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	17.80	21.34	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	18.76	22.30	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	18.82	22.36	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	18.86	22.40	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	17.90	21.44	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	18.73	22.27	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	18.96	22.50	33.00	PASS



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Band2	3MHz	16QAM	19185	1RB#14	18.81	22.35	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	17.84	21.38	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	17.84	21.38	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	17.83	21.37	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	17.91	21.45	33.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	17.14	20.68	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	17.77	21.31	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	17.80	21.34	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	17.85	21.39	33.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	17.04	20.58	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	17.82	21.36	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	17.80	21.34	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	17.88	21.42	33.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	17.07	20.61	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	19.65	23.19	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	20.00	23.54	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	19.63	23.17	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	18.74	22.28	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	19.69	23.23	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	19.97	23.51	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	19.61	23.15	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	18.79	22.33	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	19.63	23.17	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	20.06	23.60	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	19.58	23.12	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	18.80	22.34	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	18.84	22.38	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	18.95	22.49	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	18.77	22.31	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	17.82	21.36	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	18.71	22.25	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	18.84	22.38	33.00	PASS



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Band2	5MHz	16QAM	18900	1RB#24	18.80	22.34	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	17.80	21.34	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	18.71	22.25	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	18.89	22.43	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	18.75	22.29	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	17.87	21.41	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	17.87	21.41	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	17.86	21.40	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	17.87	21.41	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	17.06	20.60	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	17.78	21.32	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	17.86	21.40	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	17.92	21.46	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	17.05	20.59	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	17.81	21.35	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	17.77	21.31	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	17.80	21.34	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	17.06	20.60	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	19.64	23.18	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	20.00	23.54	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	19.17	22.71	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	18.37	21.91	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	19.26	22.80	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	19.65	23.19	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	19.14	22.68	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	18.42	21.96	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	19.29	22.83	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	19.69	23.23	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	19.12	22.66	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	18.44	21.98	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	18.42	21.96	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	18.46	22.00	33.00	PASS



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Band2	10MHz	16QAM	18650	50RB#0	17.53	21.07	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	18.31	21.85	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	18.54	22.08	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	18.39	21.93	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	17.42	20.96	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	18.36	21.90	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	18.45	21.99	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	18.50	22.04	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	17.44	20.98	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	17.48	21.02	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	17.34	20.88	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	17.54	21.08	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	16.64	20.18	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	17.37	20.91	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	17.40	20.94	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	17.45	20.99	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	16.72	20.26	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	17.46	21.00	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	17.47	21.01	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	17.50	21.04	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	16.76	20.30	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	19.22	22.76	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	19.57	23.11	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	19.12	22.66	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	18.41	21.95	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	19.17	22.71	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	19.66	23.20	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	19.20	22.74	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	18.36	21.90	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	19.16	22.70	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	19.71	23.25	33.00	PASS



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Band2	15MHz	QPSK	19125	1RB#74	19.20	22.74	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	18.32	21.86	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	18.37	21.91	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	18.48	22.02	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	18.35	21.89	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	17.55	21.09	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	18.43	21.97	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	18.53	22.07	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	18.44	21.98	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	17.45	20.99	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	18.39	21.93	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	18.41	21.95	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	18.47	22.01	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	17.45	20.99	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	17.48	21.02	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	17.40	20.94	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	17.46	21.00	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	16.75	20.29	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	17.41	20.95	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	17.43	20.97	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	17.54	21.08	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	16.69	20.23	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	17.46	21.00	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	17.48	21.02	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	17.48	21.02	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	16.62	20.16	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	19.27	22.81	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	19.62	23.16	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	19.16	22.70	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.32	21.86	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	19.21	22.75	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	19.58	23.12	33.00	PASS



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Band2	20MHz	QPSK	18900	1RB#99	19.23	22.77	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.41	21.95	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	19.26	22.80	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	19.59	23.13	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	19.14	22.68	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.36	21.90	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	18.36	21.90	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	18.43	21.97	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	18.39	21.93	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.55	21.09	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	18.34	21.88	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	18.47	22.01	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	18.36	21.90	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.52	21.06	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	18.45	21.99	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	18.50	22.04	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	18.45	21.99	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.51	21.05	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	17.41	20.95	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	17.44	20.98	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	17.48	21.02	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	16.71	20.25	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	17.44	20.98	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	17.34	20.88	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	17.46	21.00	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	16.75	20.29	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	17.49	21.03	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	17.43	20.97	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	17.50	21.04	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	16.68	20.22	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	5.50	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.70	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.60	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.30	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.50	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	6.58	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.62	13	PASS



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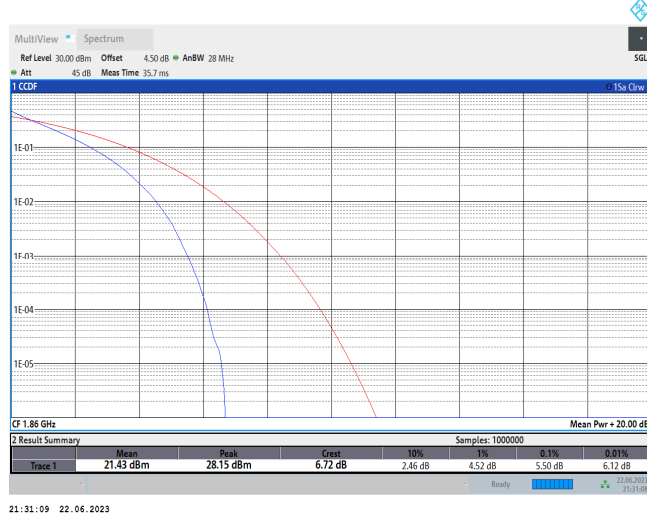
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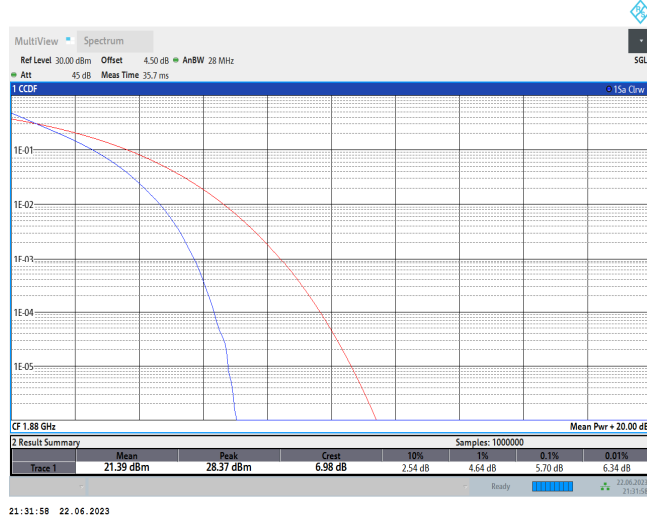
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Test Graphs

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



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



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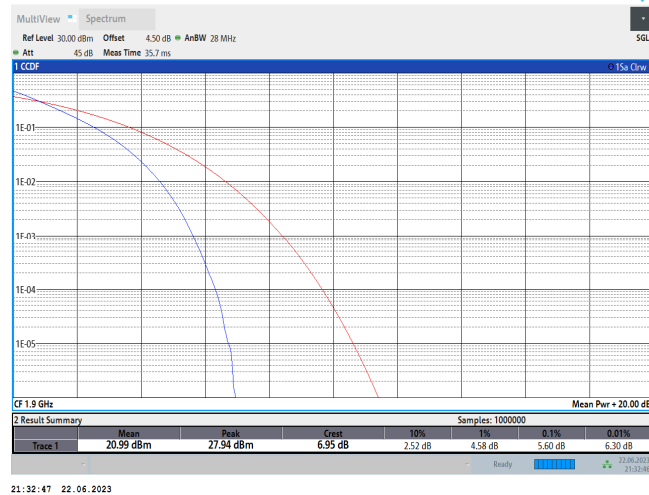
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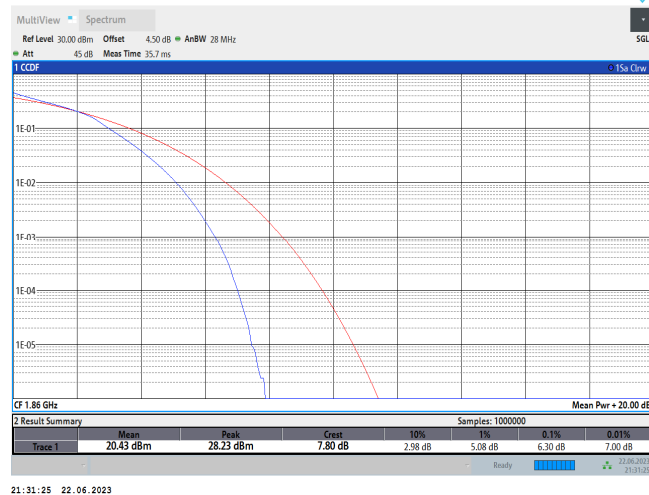
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Band2-20MHz-QPSK-19100-100RB#0



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



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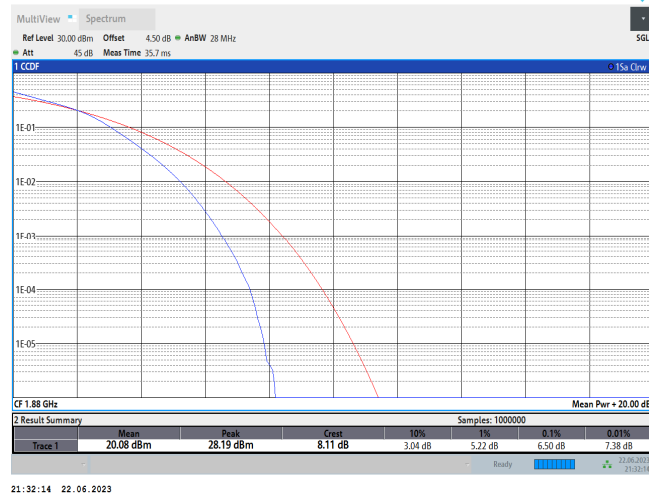
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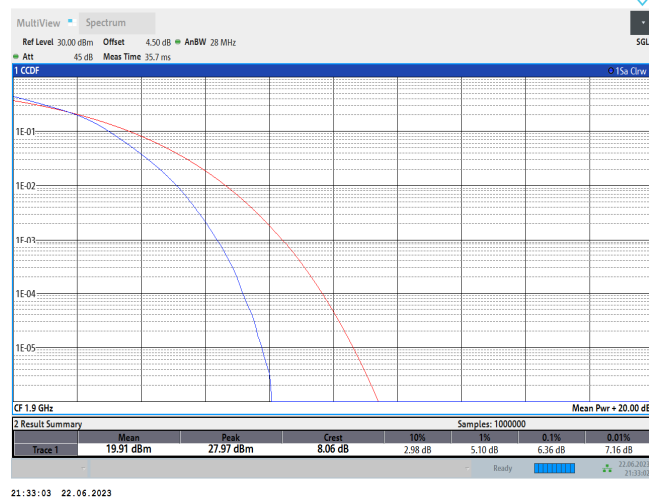
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Band2-20MHz-16QAM-18900-100RB#0



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



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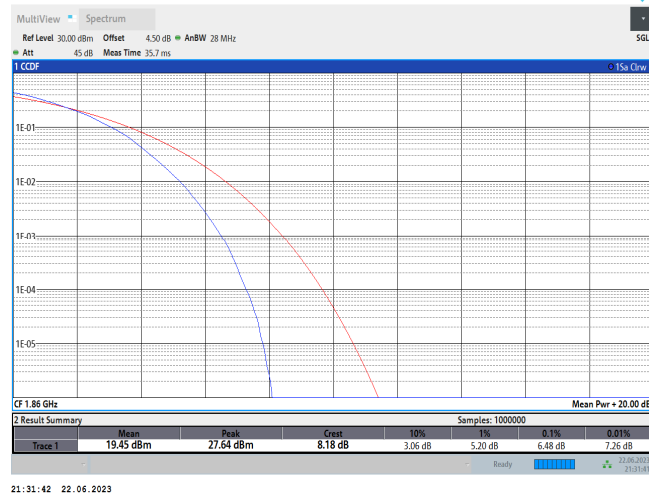
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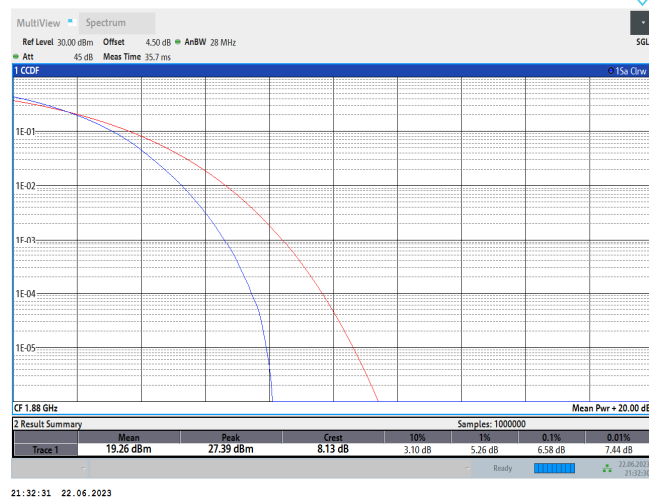
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Band2-20MHz-64QAM-18700-100RB#0



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



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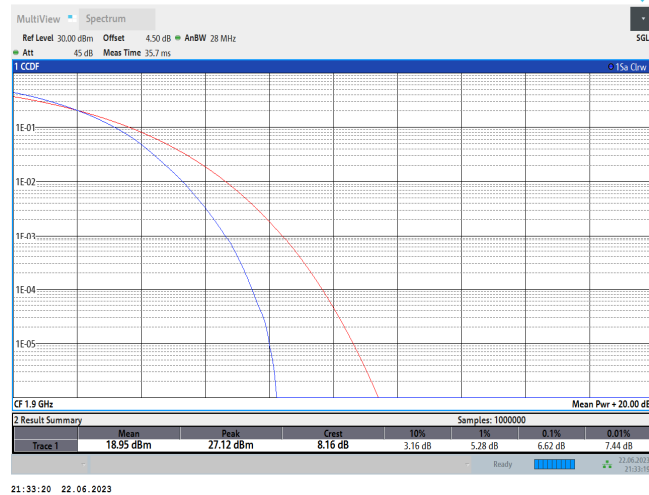
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Band2-20MHz-64QAM-19100-100RB#0



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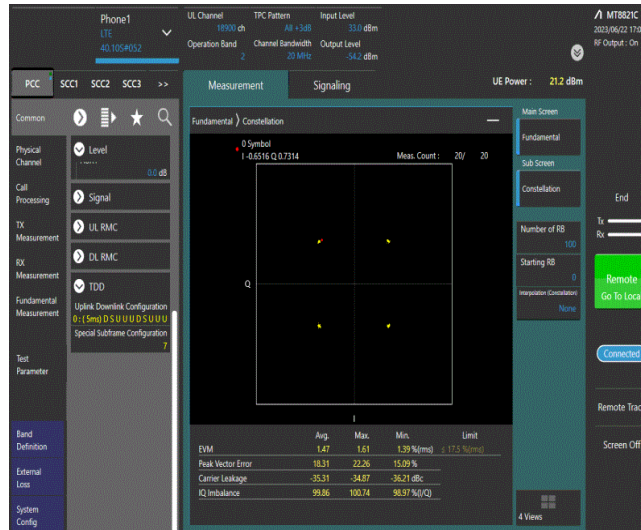
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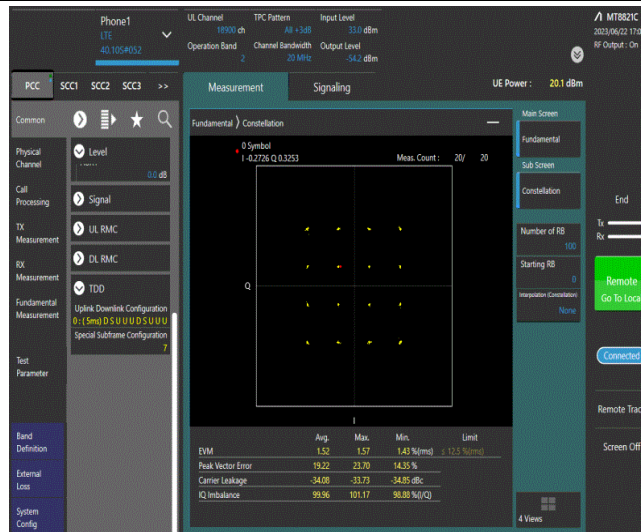
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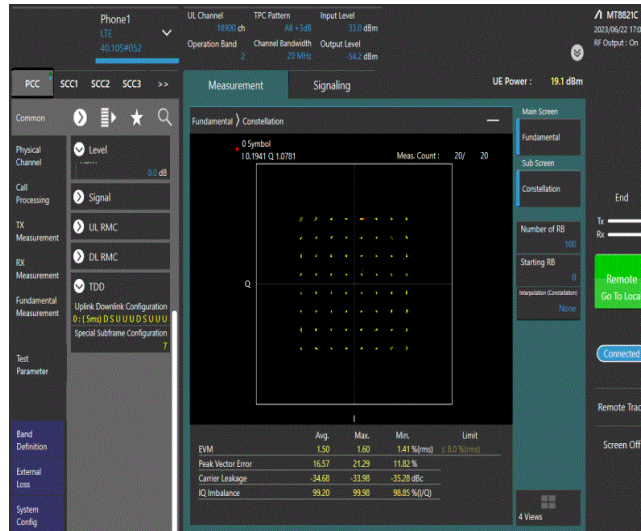
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Band2-20MHz-16QAM-18900-100RB#0



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	1.078	1.26	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.081	1.27	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.087	1.25	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.107	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.090	1.28	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.101	1.30	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.099	1.29	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.083	1.27	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.091	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.700	2.89	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.694	2.89	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.692	2.88	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.680	2.88	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.669	2.87	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.670	2.89	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.692	2.87	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.679	2.87	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.691	2.87	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.462	4.78	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.471	4.78	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.475	4.80	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.456	4.80	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.467	4.77	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.464	4.79	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.461	4.77	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.488	4.77	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.491	4.78	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.905	9.50	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.946	9.32	PASS



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Band2	10MHz	QPSK	19150	50RB#0	8.922	9.48	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.927	9.40	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.952	9.42	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.926	9.42	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.910	9.50	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.957	9.50	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.935	9.52	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.490	14.31	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.438	14.28	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.427	14.43	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.431	14.40	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.527	14.37	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.463	14.31	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.452	14.34	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.481	14.25	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.470	14.22	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.893	19.20	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.874	18.80	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.876	18.80	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.909	19.16	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.965	18.88	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.887	18.76	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.833	19.12	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.810	18.88	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.927	19.00	PASS



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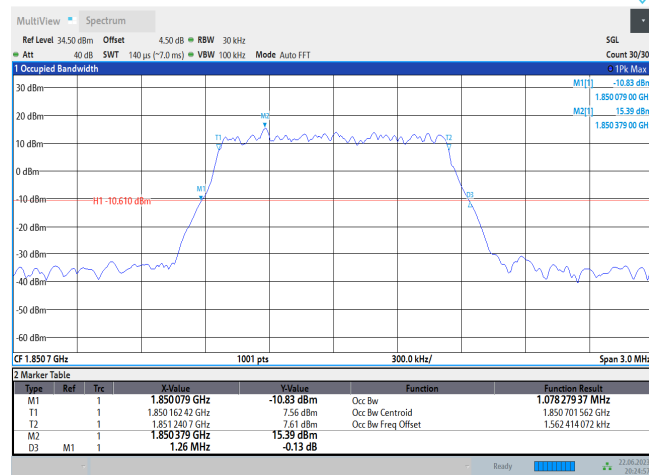
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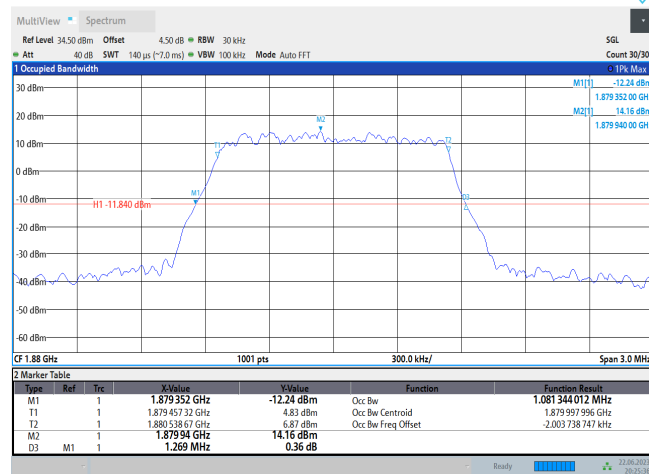
Test Graphs

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



20:24:58 22.06.2023

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



20:25:37 22.06.2023



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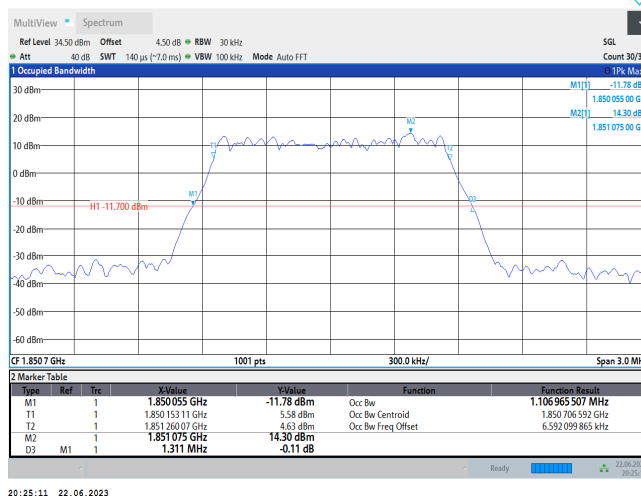
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Band2-1.4MHz-QPSK-19193-6RB#0



20:26:16 22.06.2023

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



20:25:11 22.06.2023



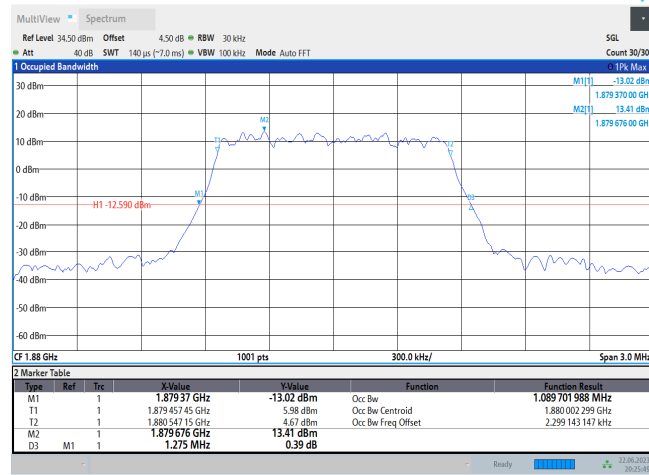
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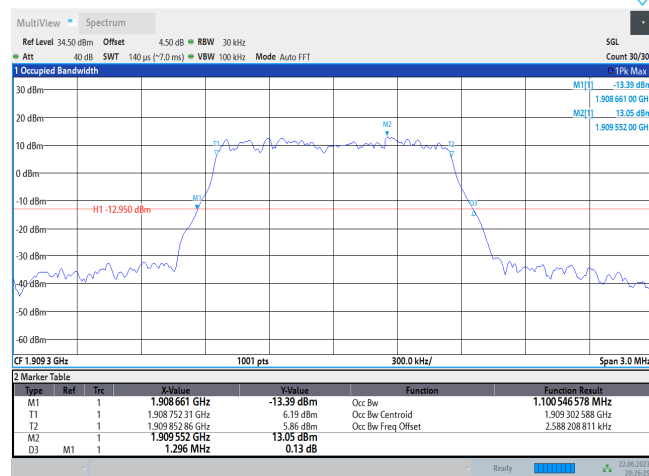
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Band2-1.4MHz-16QAM-18900-6RB#0



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



20:26:29 22.06.2023



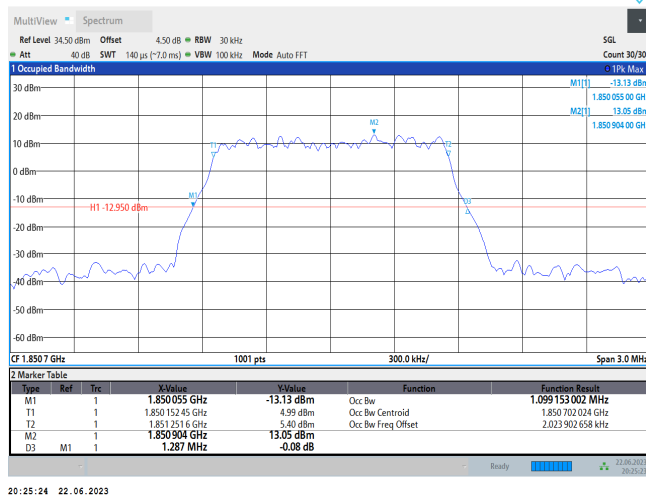
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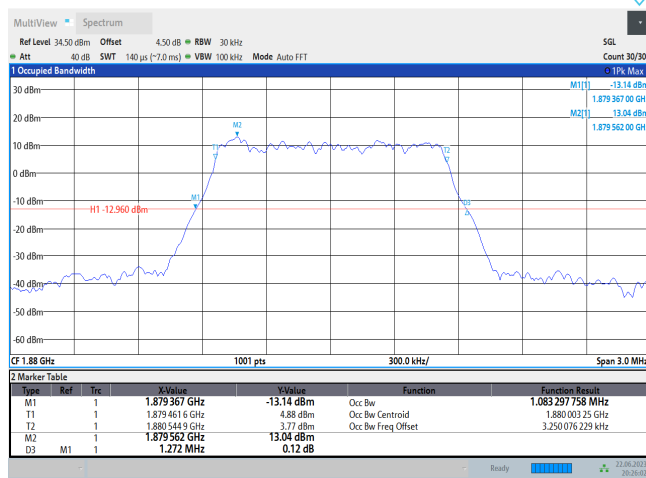
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Band2-1.4MHz-64QAM-18607-6RB#0



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



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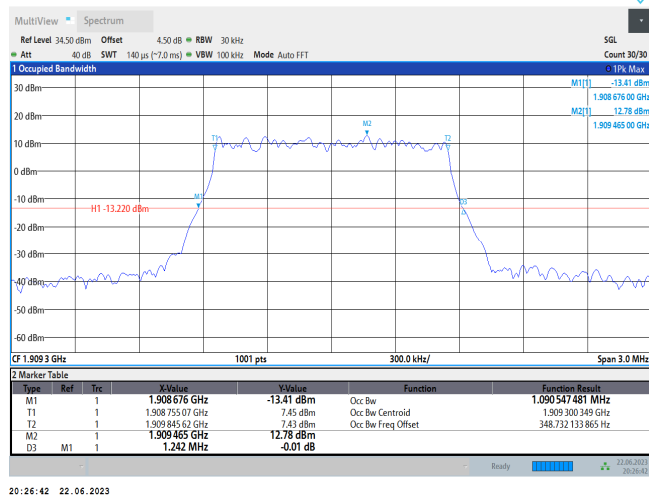
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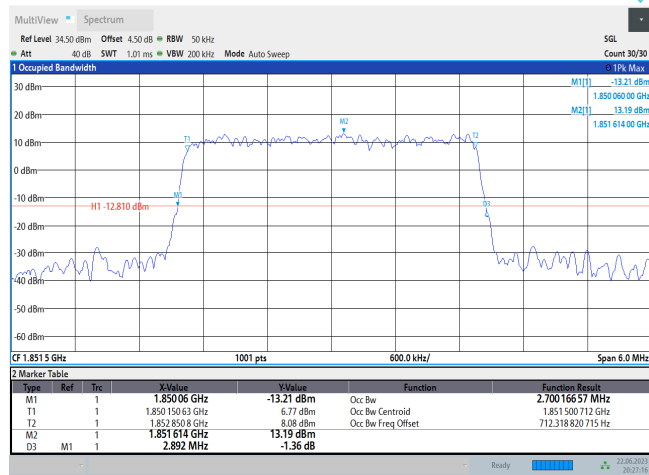
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Band2-1.4MHz-64QAM-19193-6RB#0



20:26:42 22.06.2023

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



20:27:16 22.06.2023



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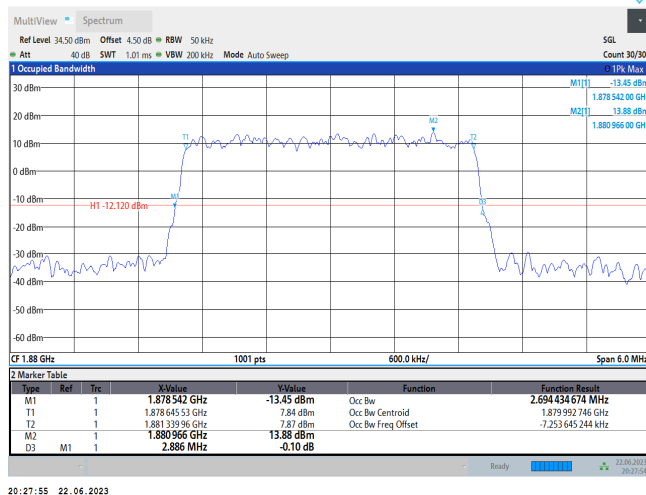
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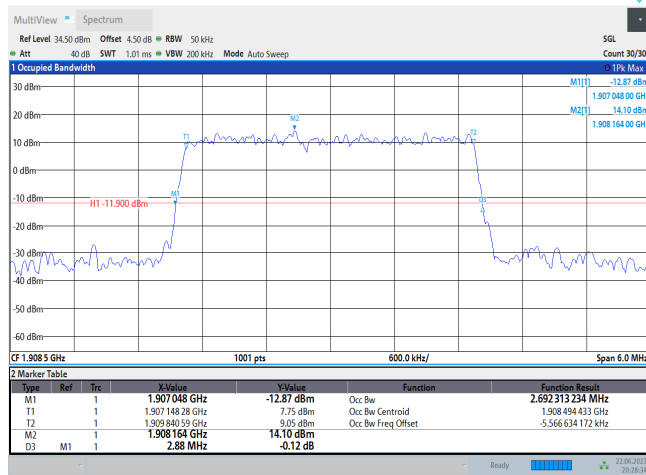
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Band2-3MHz-QPSK-18900-15RB#0



20:27:55 22.06.2023

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



20:28:35 22.06.2023



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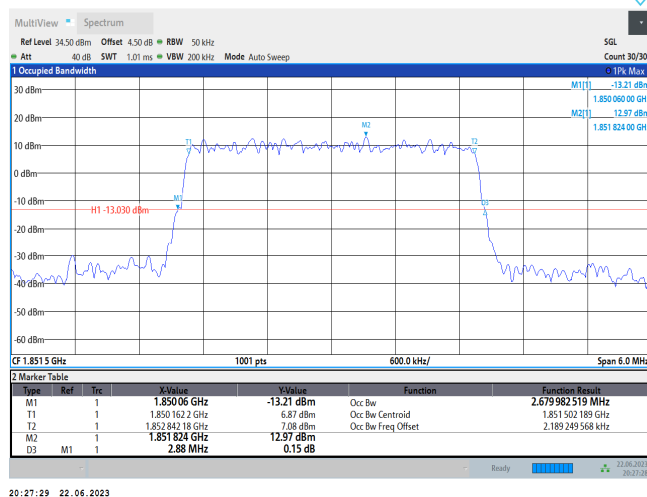
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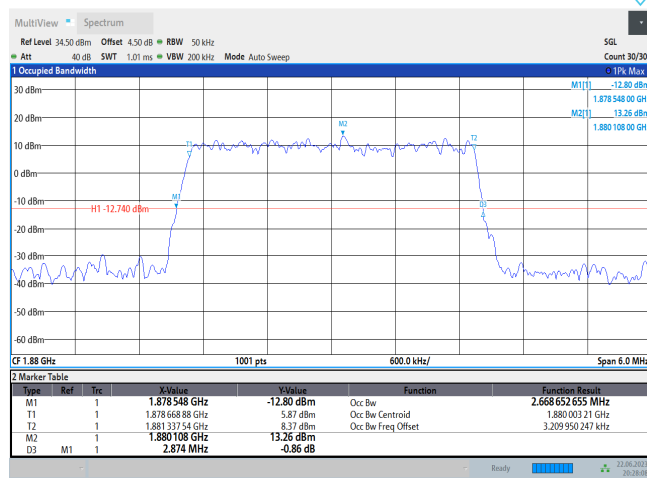
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Band2-3MHz-16QAM-18615-15RB#0



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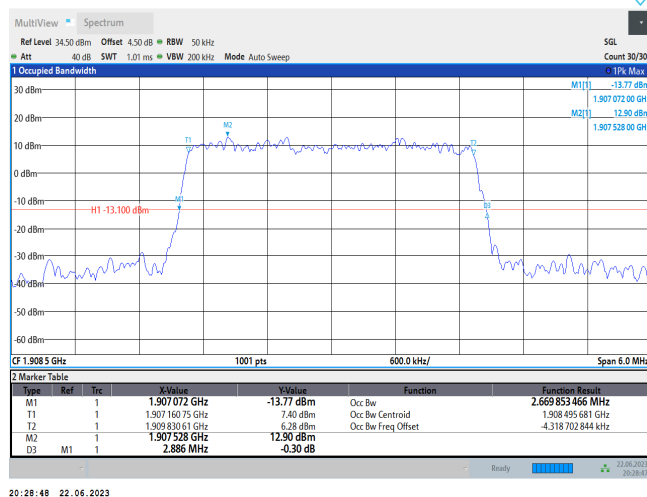
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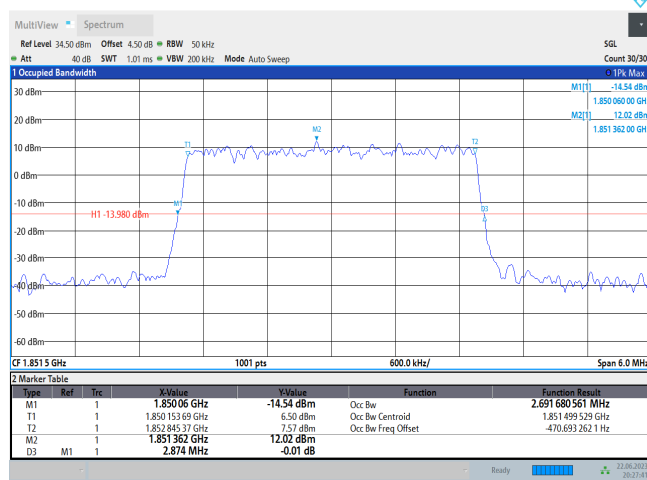
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Band2-3MHz-16QAM-19185-15RB#0



20:28:48 22.06.2023

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



20:27:42 22.06.2023



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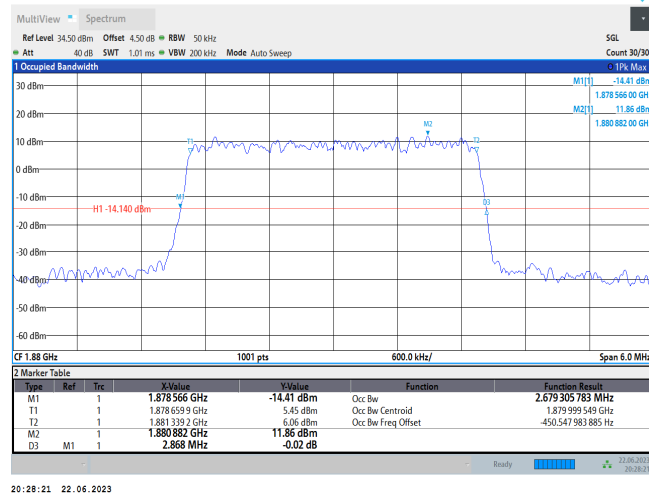
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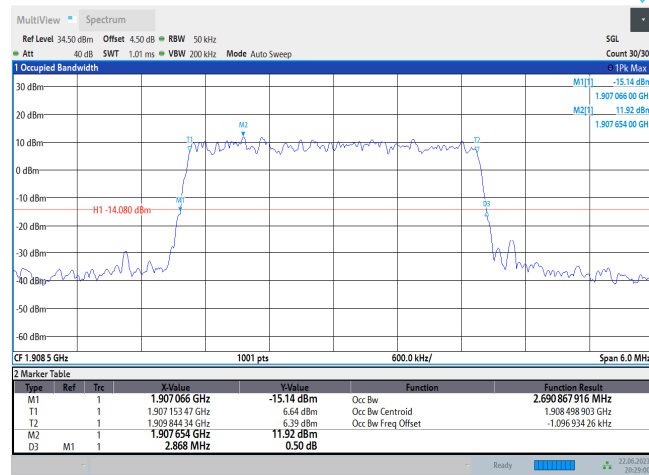
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Band2-3MHz-64QAM-18900-15RB#0



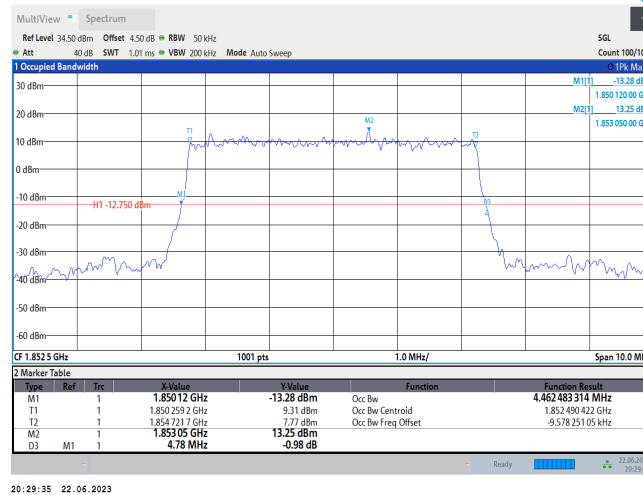
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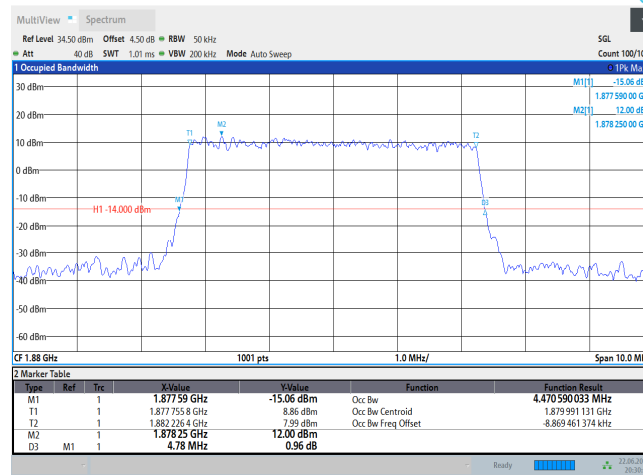
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Band2-5MHz-QPSK-18625-25RB#0



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20:30:14 22.06.2023



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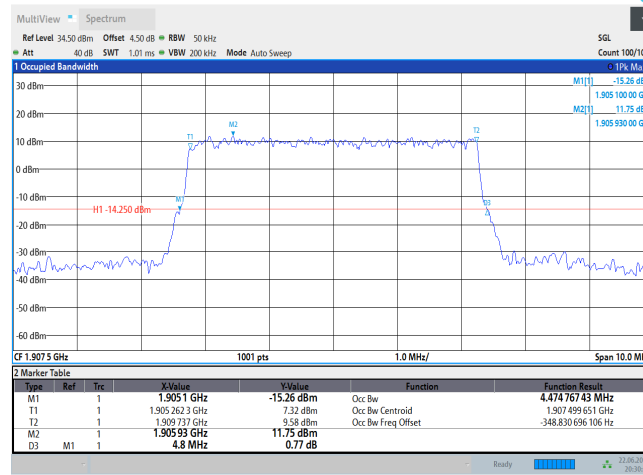
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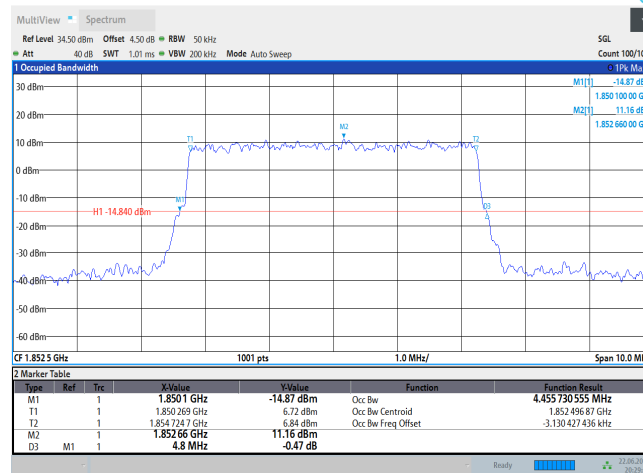
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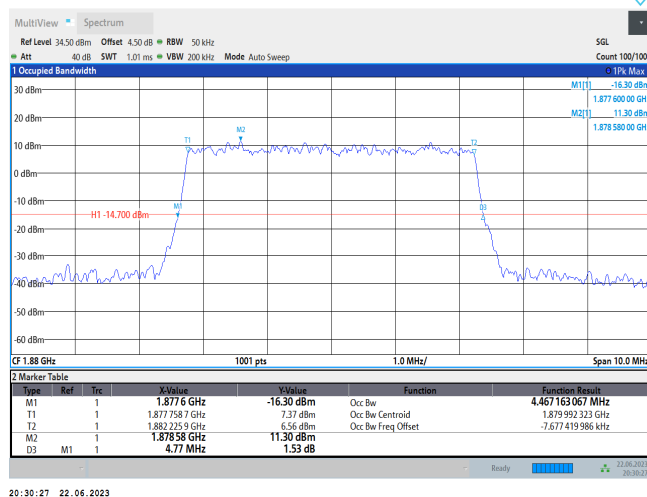
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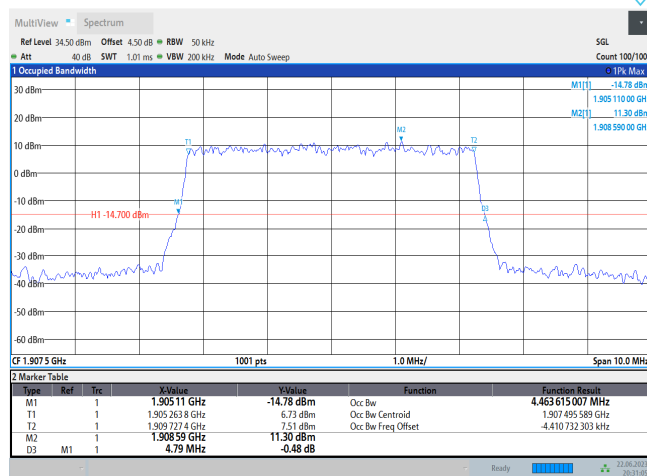
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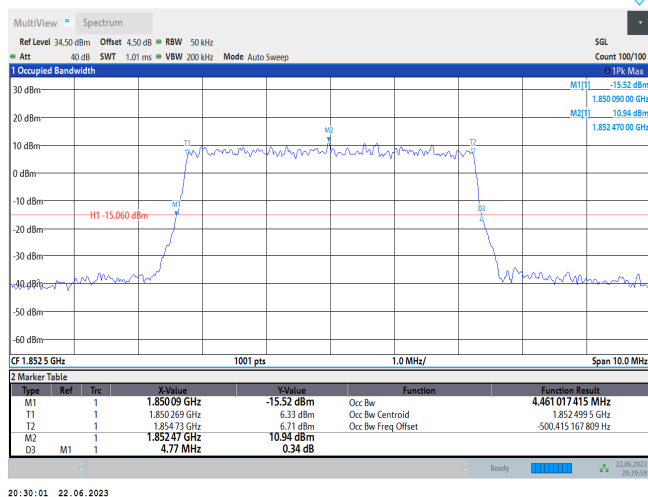
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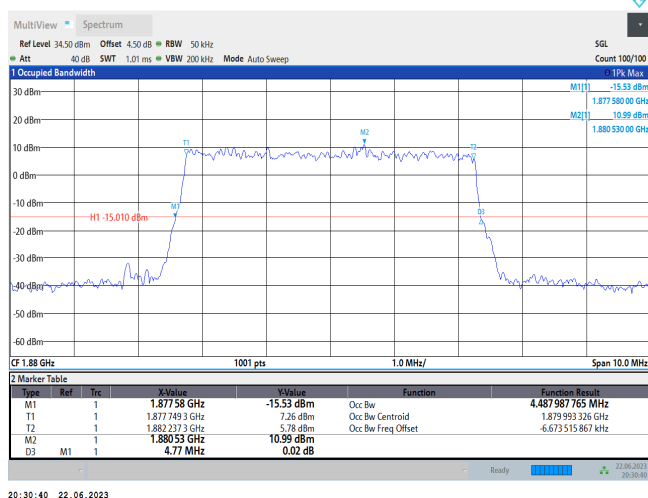
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Band2-5MHz-64QAM-18625-25RB#0



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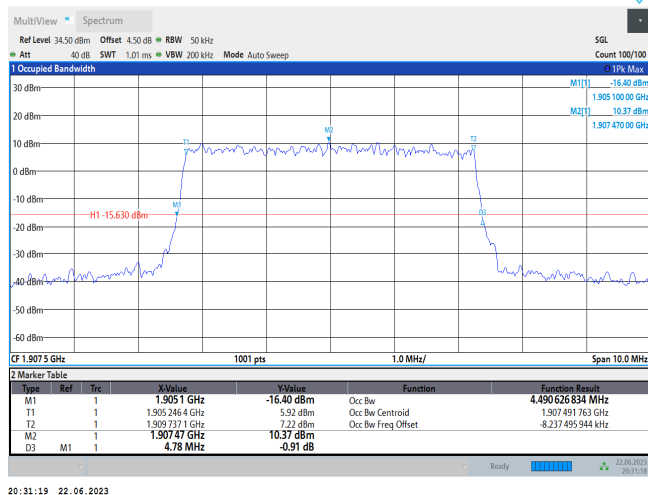
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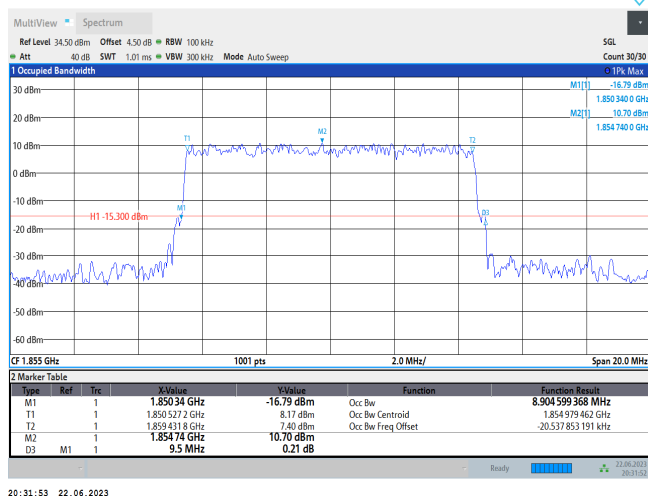
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Band2-5MHz-64QAM-19175-25RB#0



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



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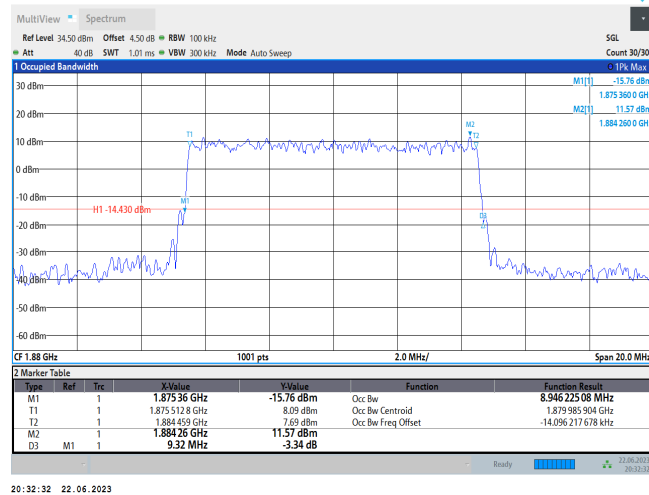
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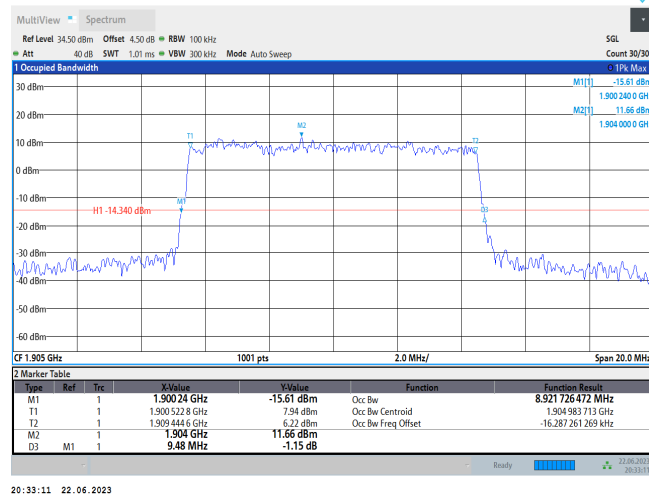
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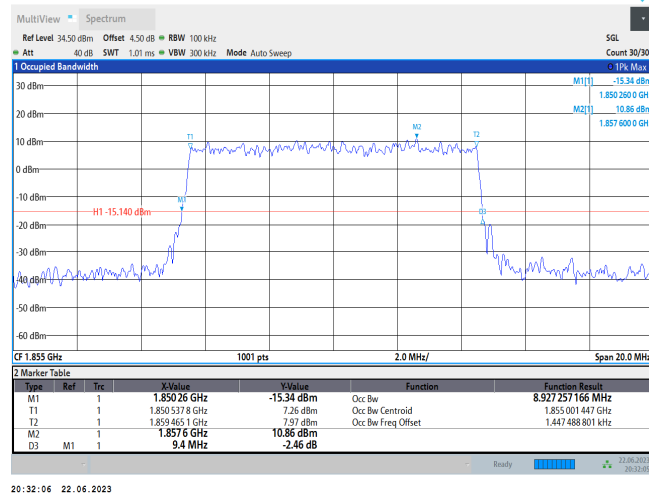
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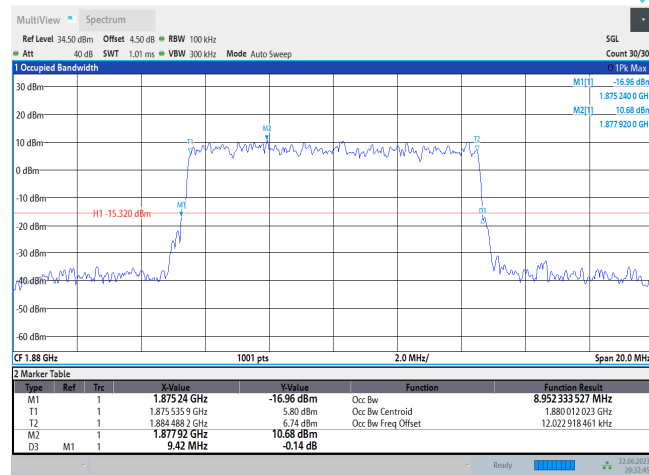
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Band2-10MHz-16QAM-18900-50RB#0



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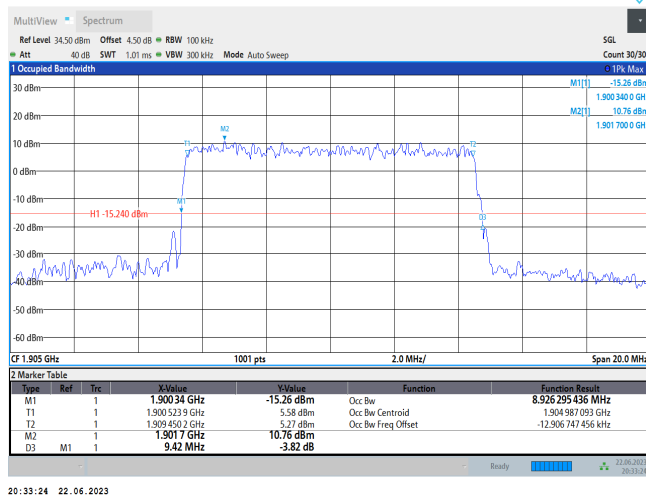
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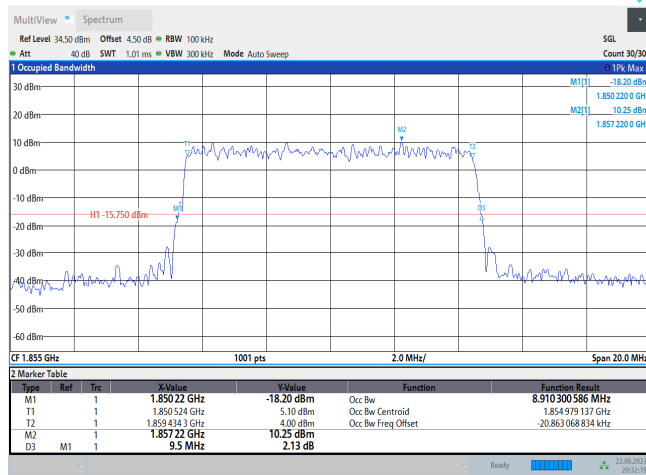
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Band2-10MHz-16QAM-19150-50RB#0



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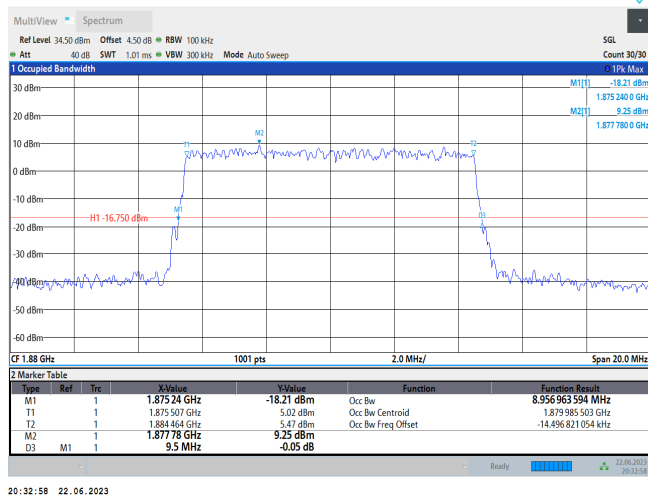
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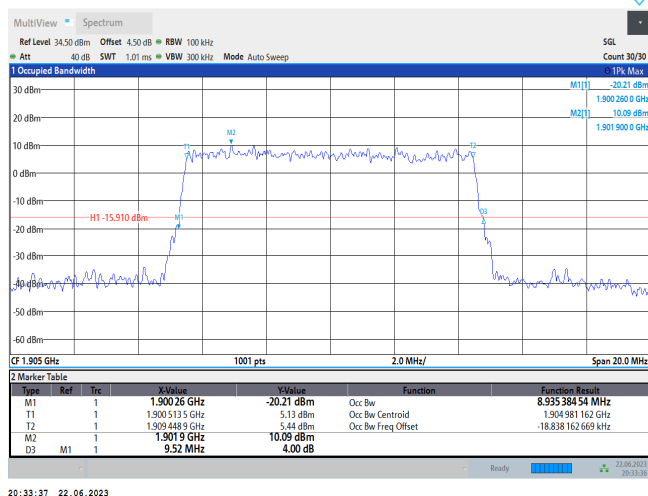
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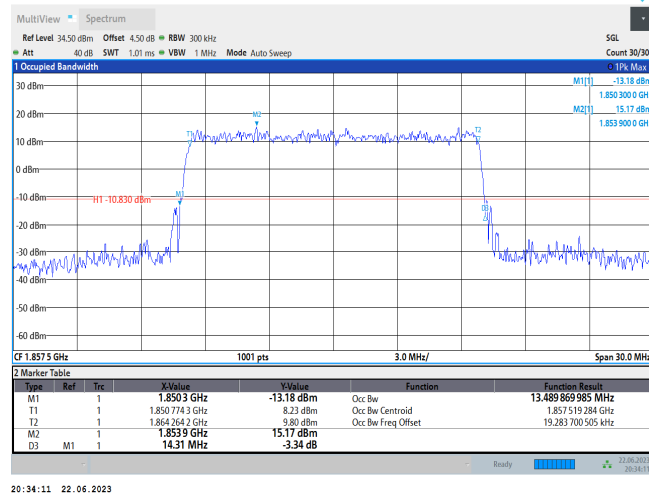
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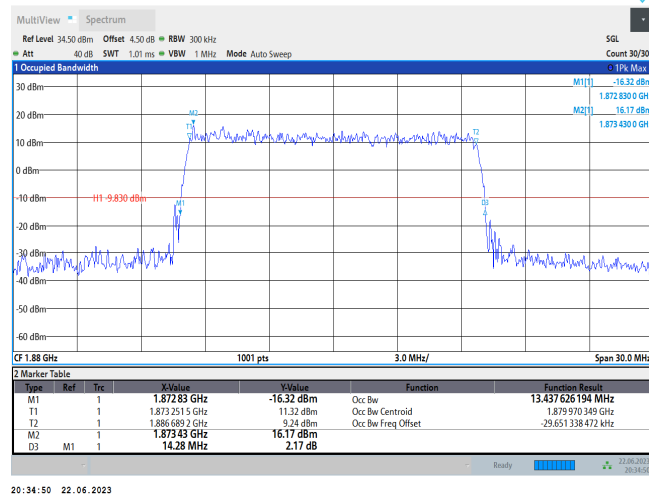
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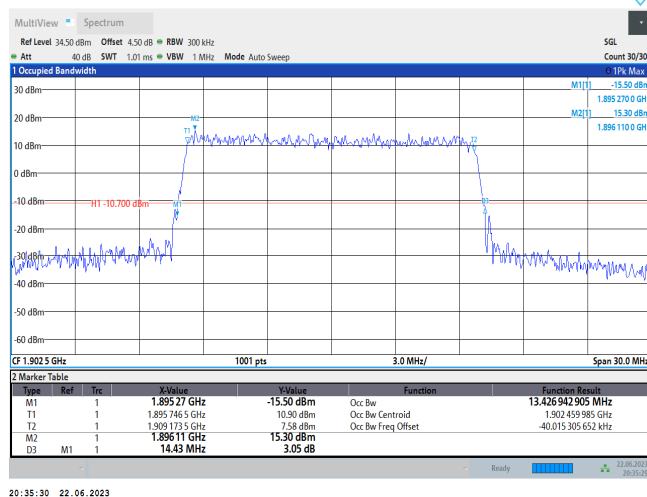
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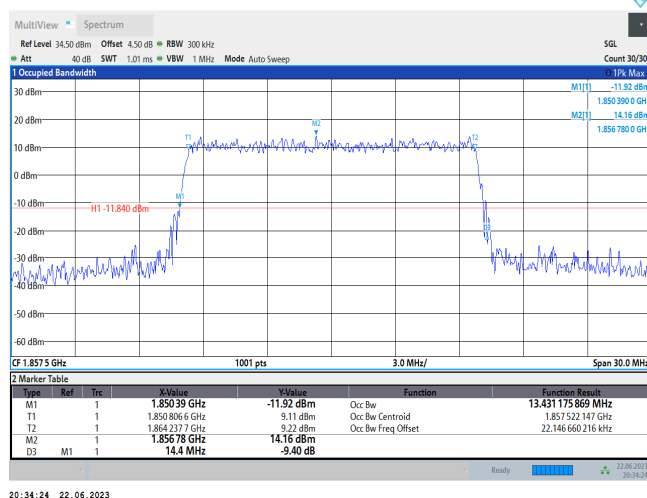
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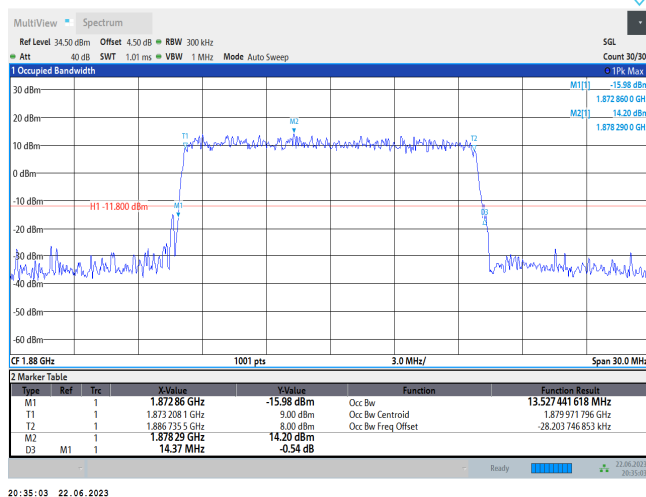
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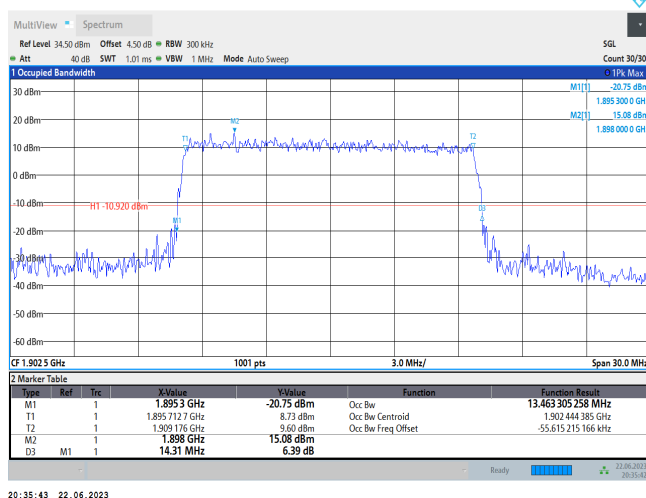
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Band2-15MHz-16QAM-18900-75RB#0



20:35:03 22.06.2023

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



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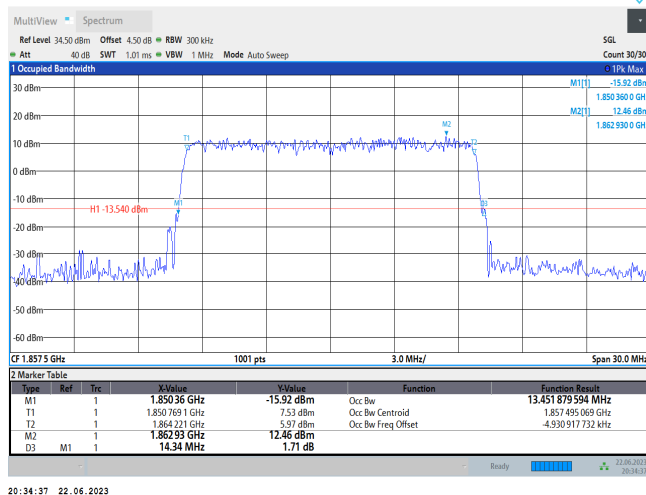
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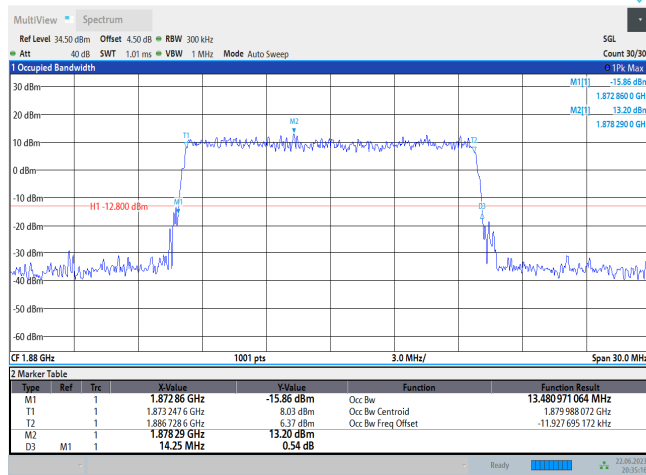
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Band2-15MHz-64QAM-18675-75RB#0



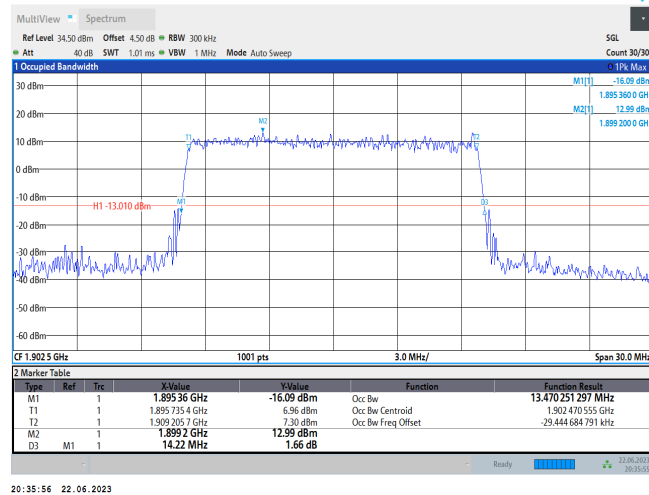
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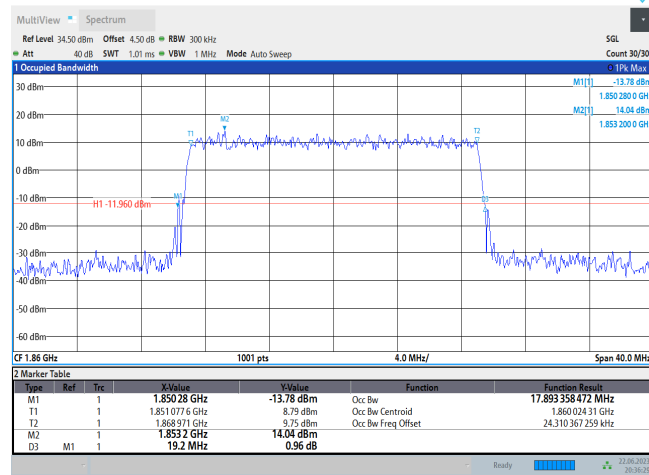
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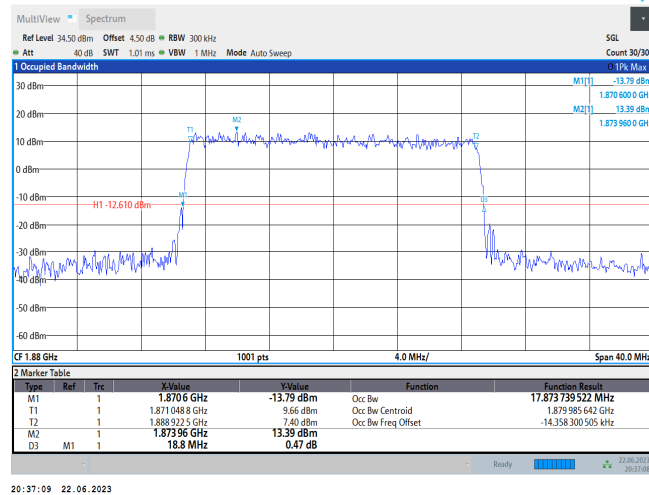
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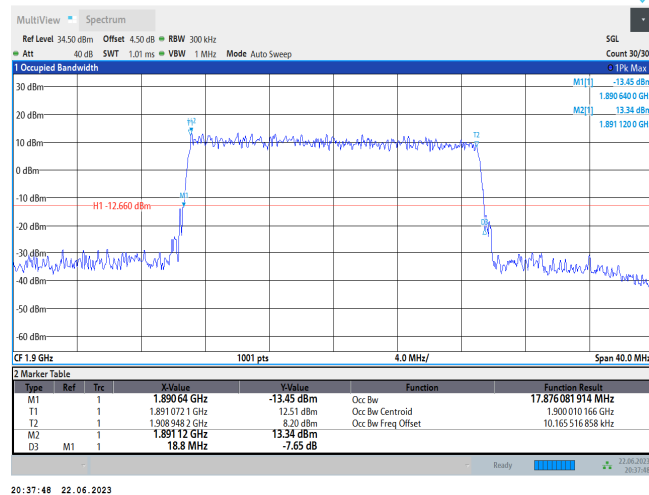
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Band2-20MHz-QPSK-18900-100RB#0



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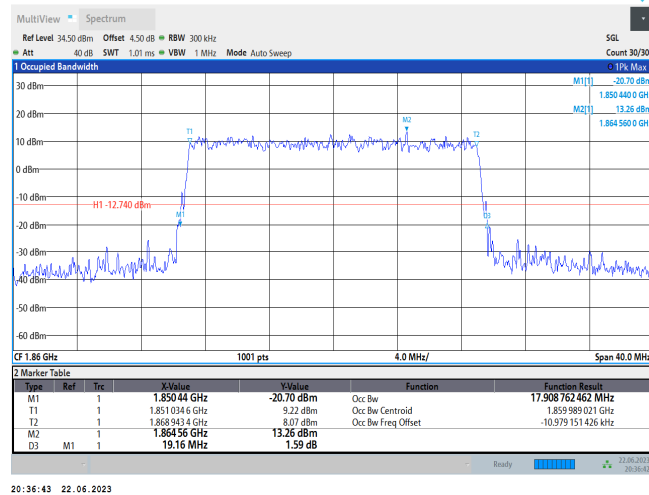


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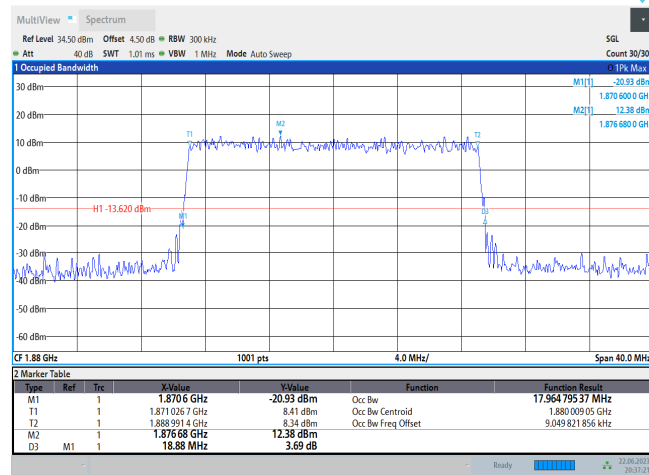
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Band2-20MHz-16QAM-18700-100RB#0



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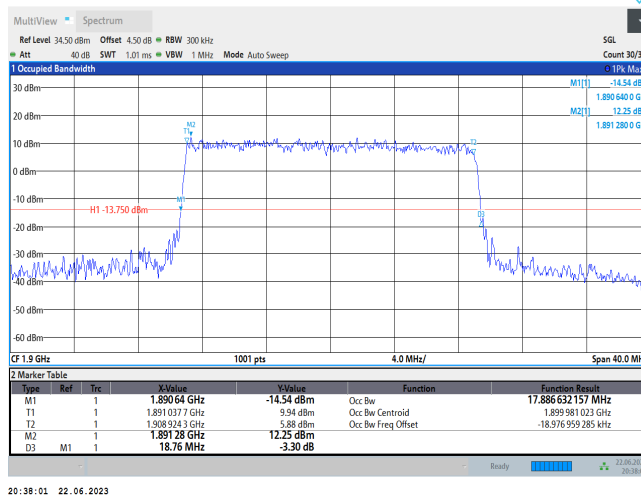
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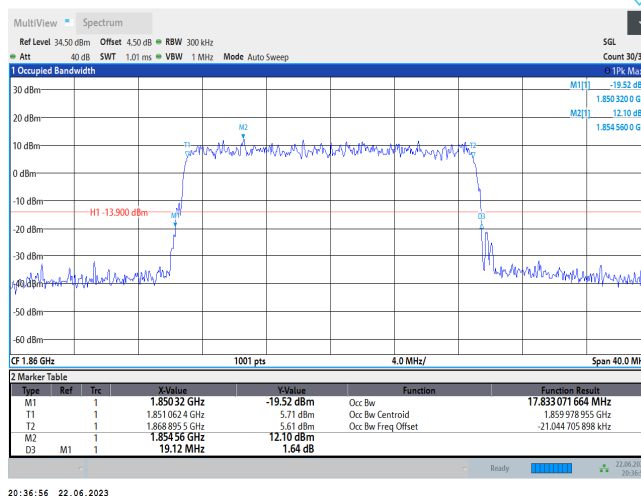
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Band2-20MHz-16QAM-19100-100RB#0



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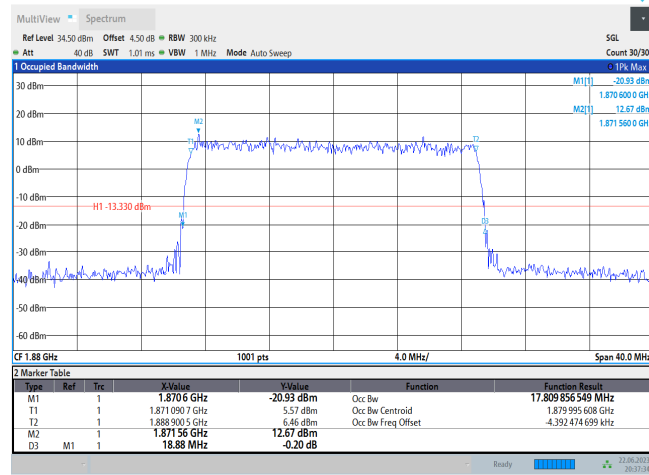
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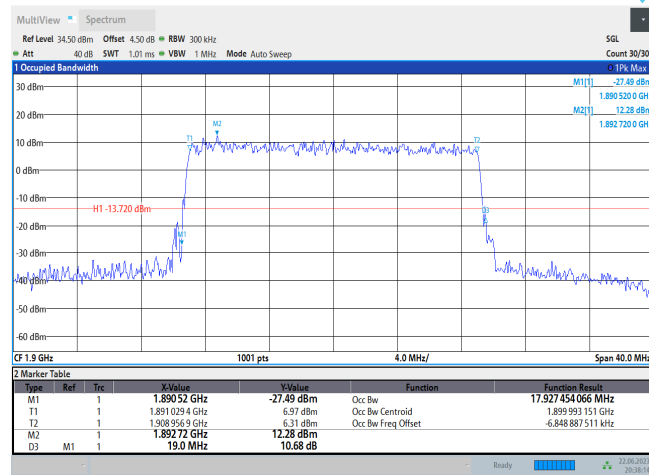
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Band2-20MHz-64QAM-18900-100RB#0



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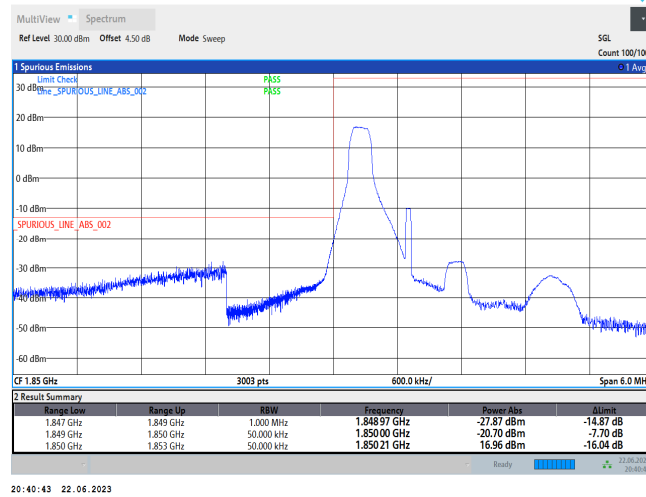
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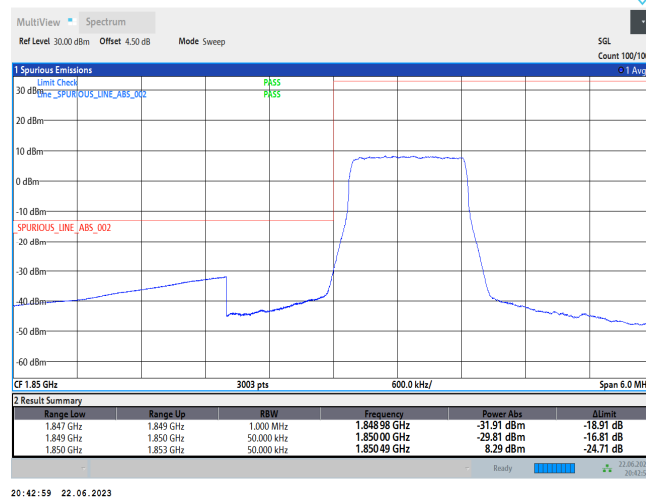
Band Edge

Test Graphs

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



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



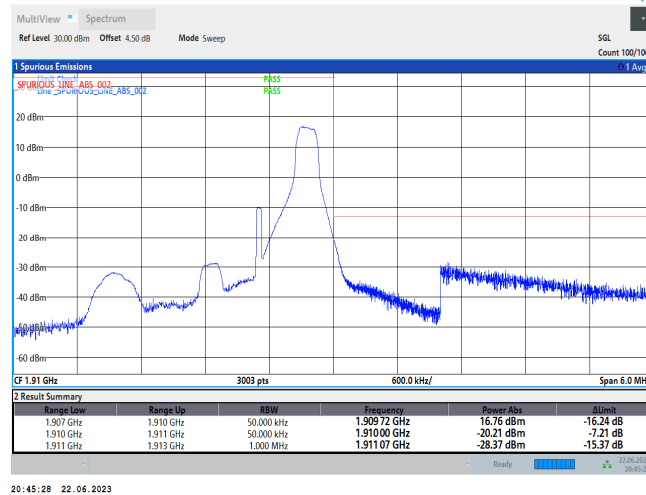
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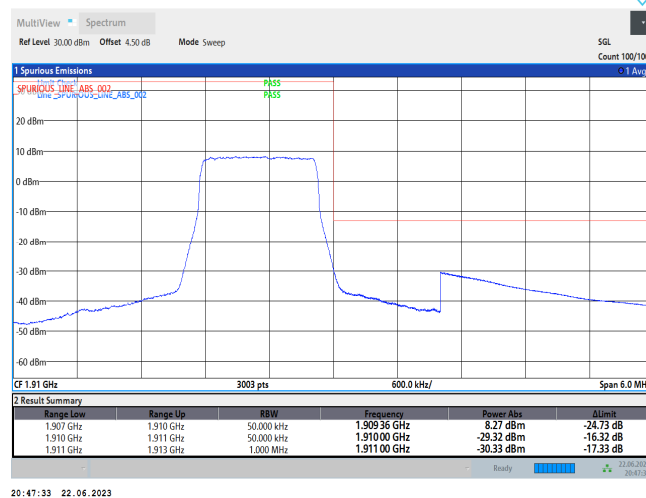
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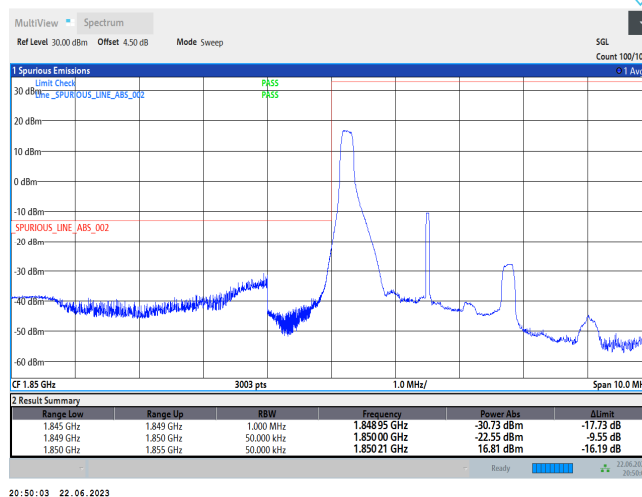
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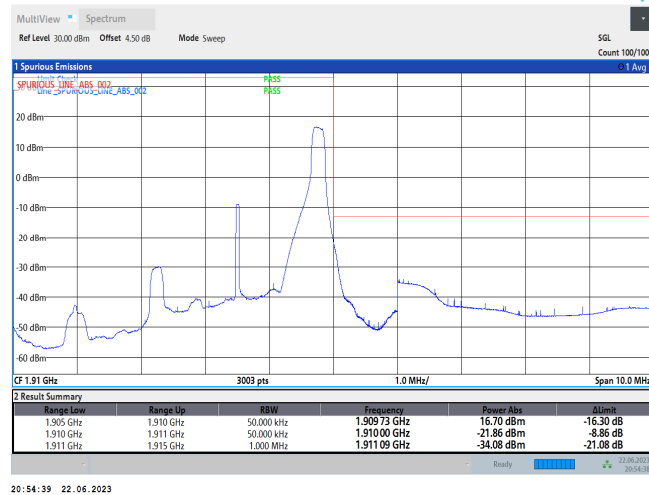
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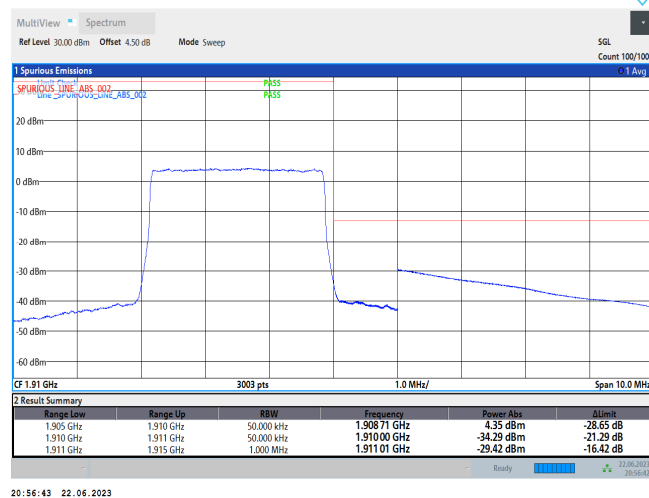
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Band2-3MHz-QPSK-19185-1RB#14



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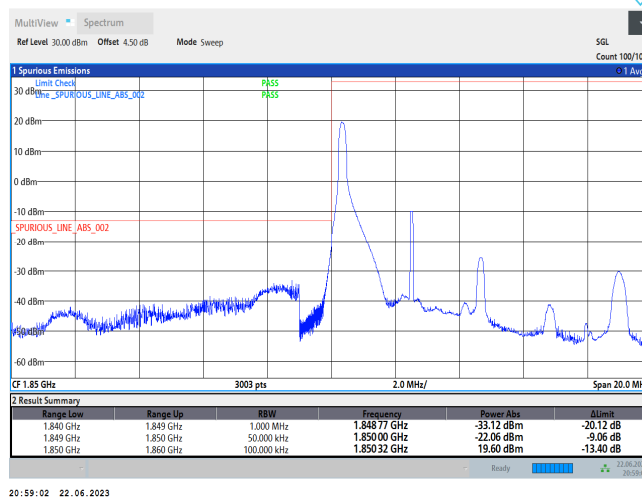
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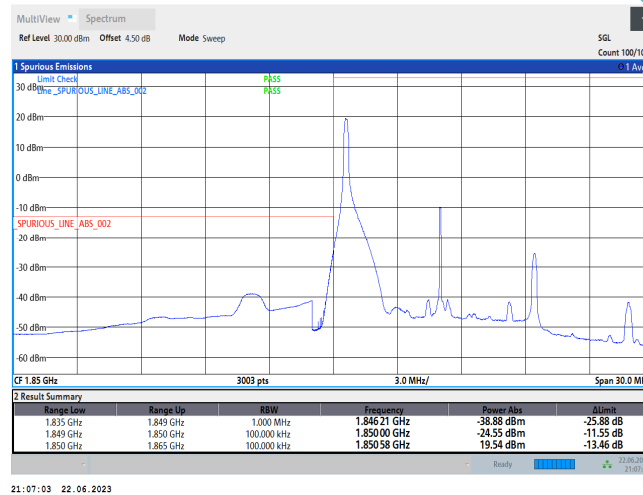
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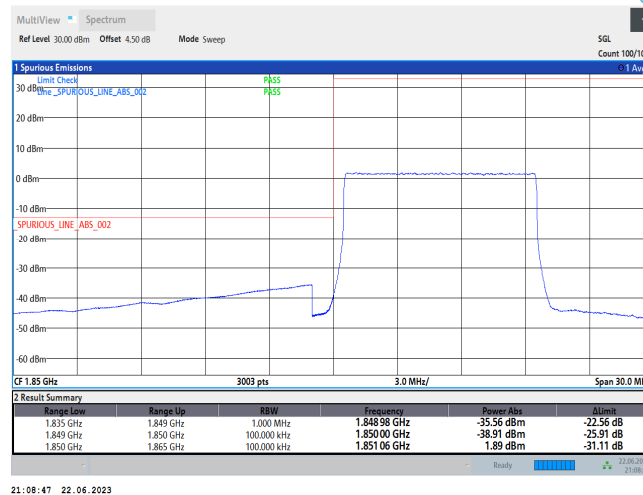
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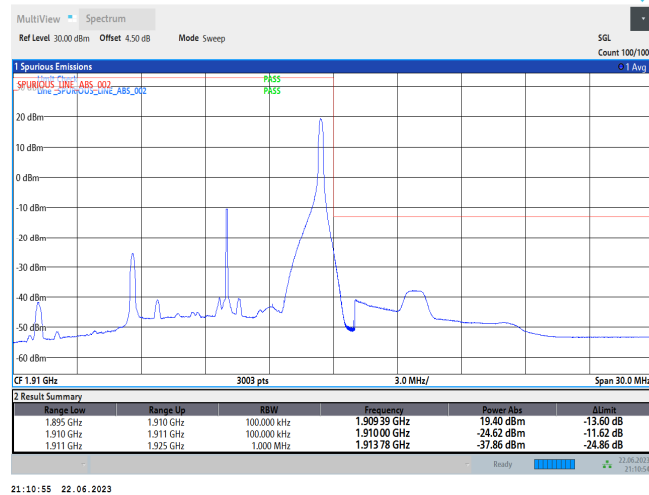
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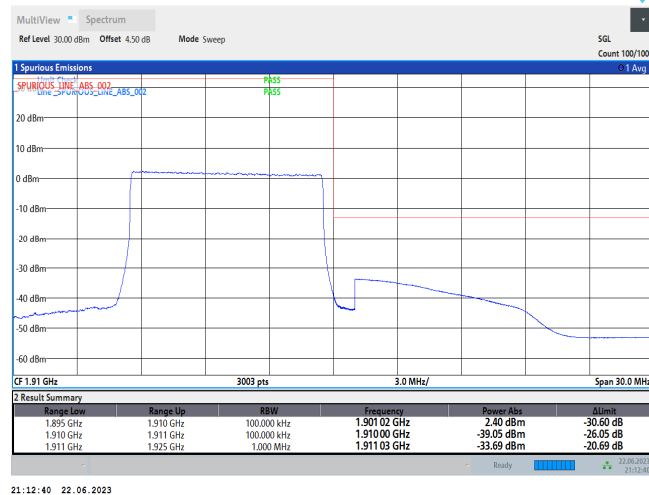
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Band2-10MHz-QPSK-19150-1RB#49



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



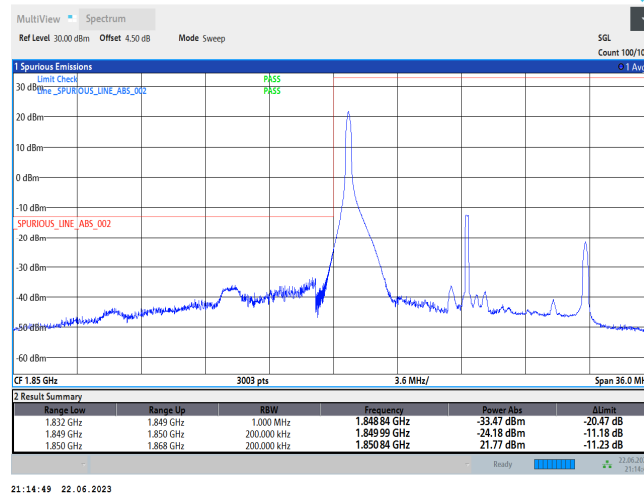
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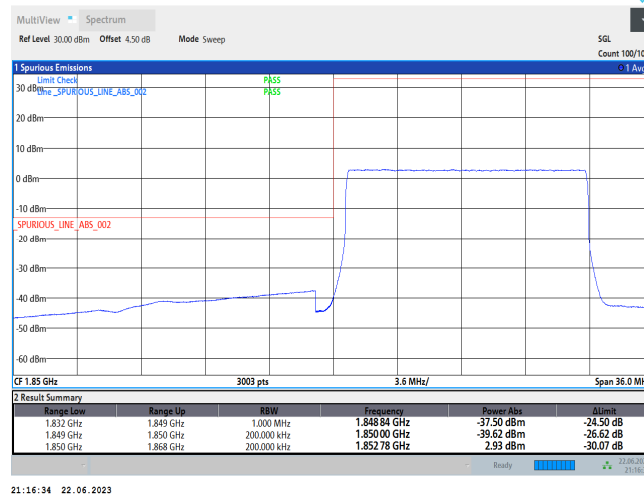
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Band2-15MHz-QPSK-18675-1RB#0



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



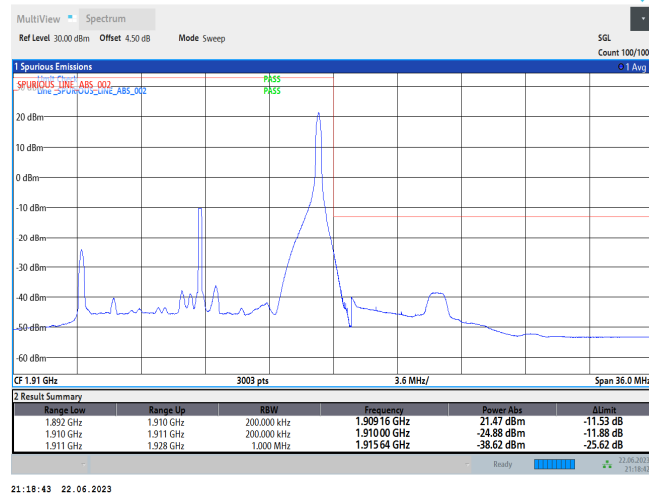
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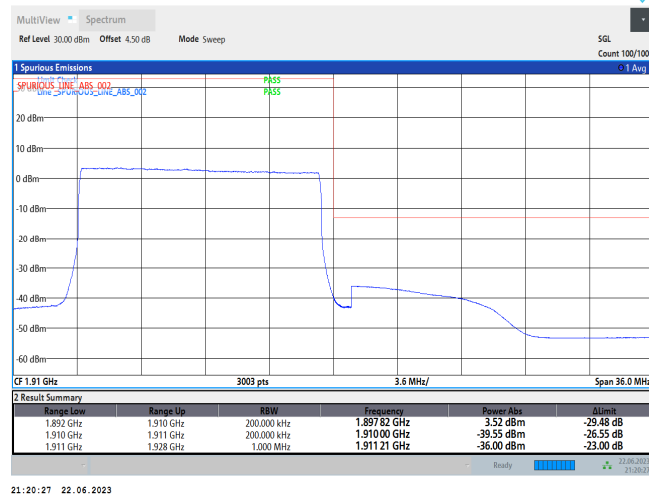
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Band2-15MHz-QPSK-19125-1RB#74



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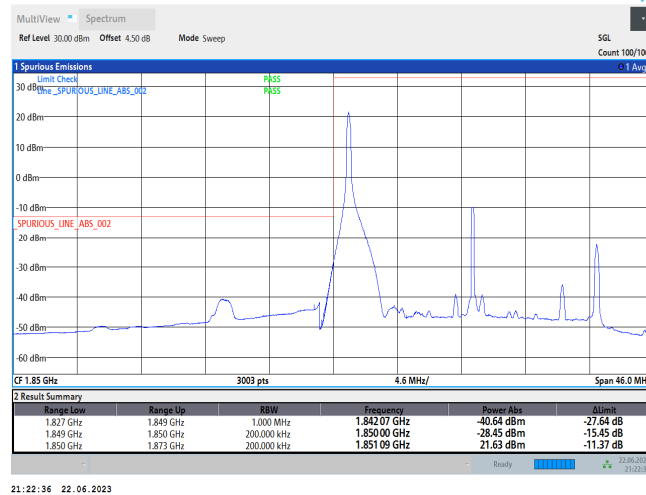
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Band2-20MHz-QPSK-18700-1RB#0



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



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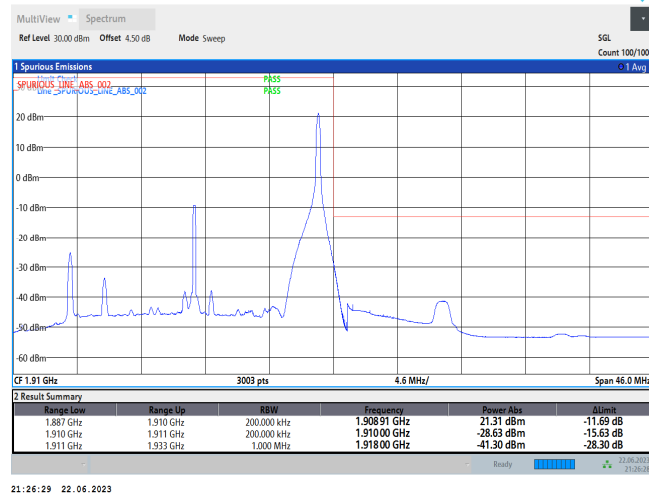
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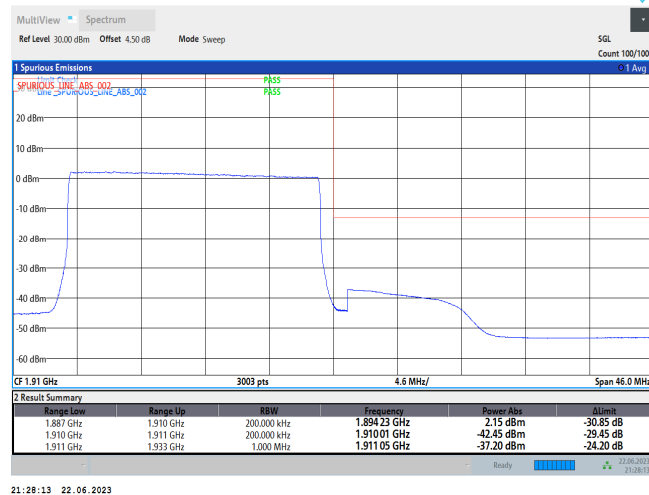
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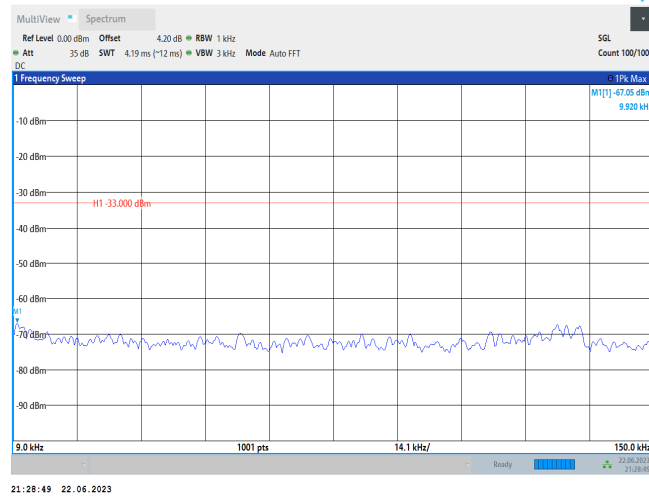
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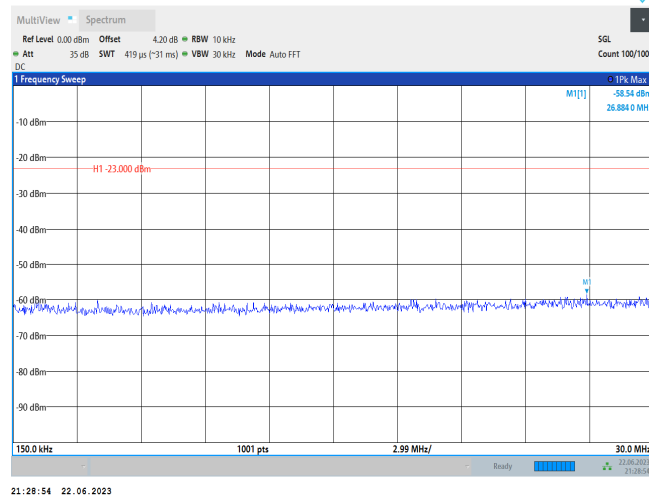
Conducted Spurious Emission

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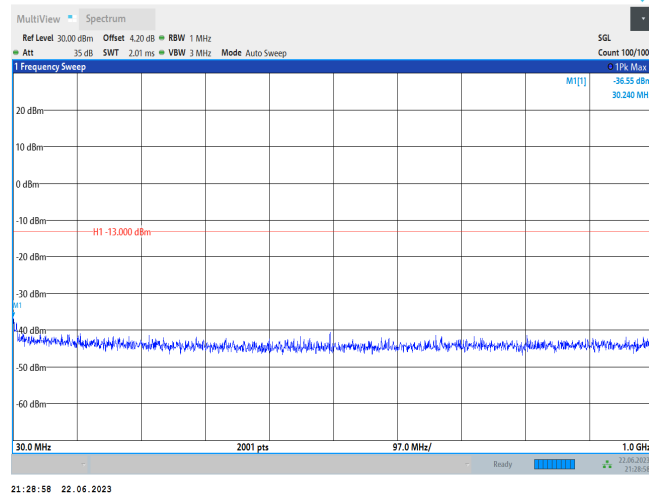
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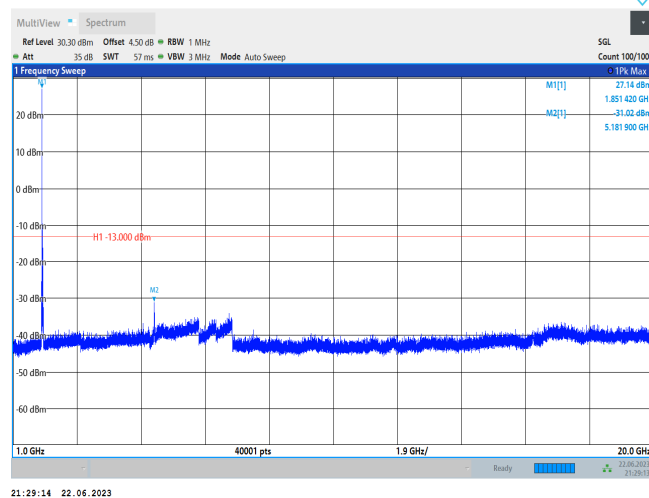
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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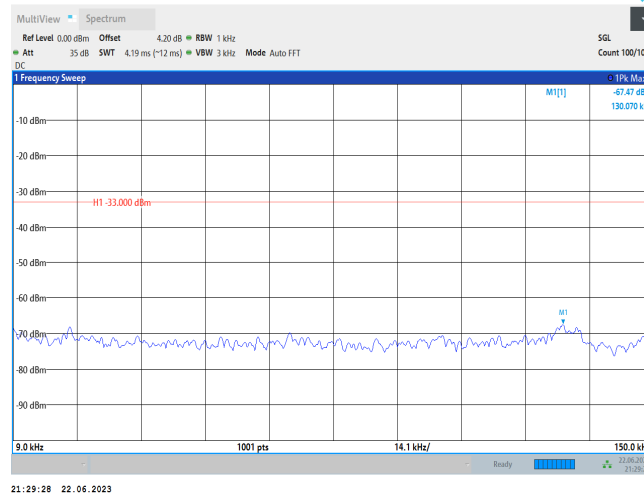
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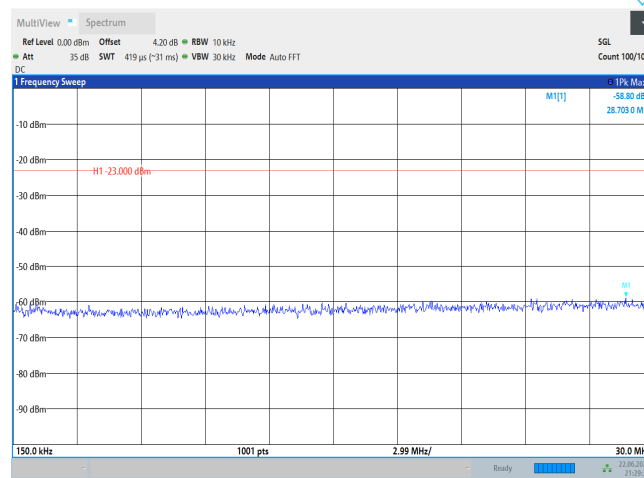
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Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



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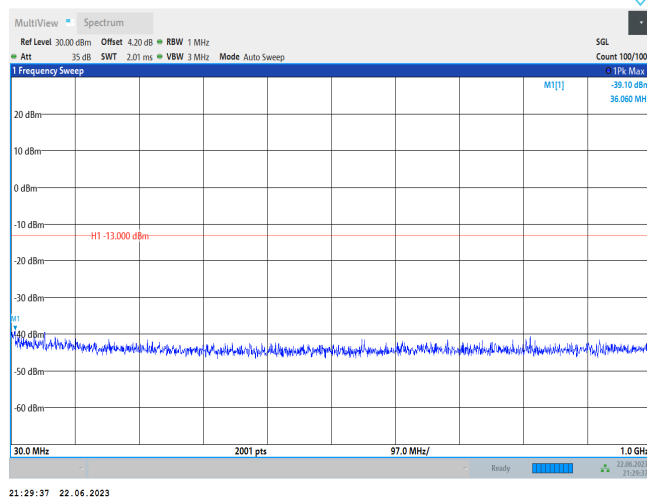
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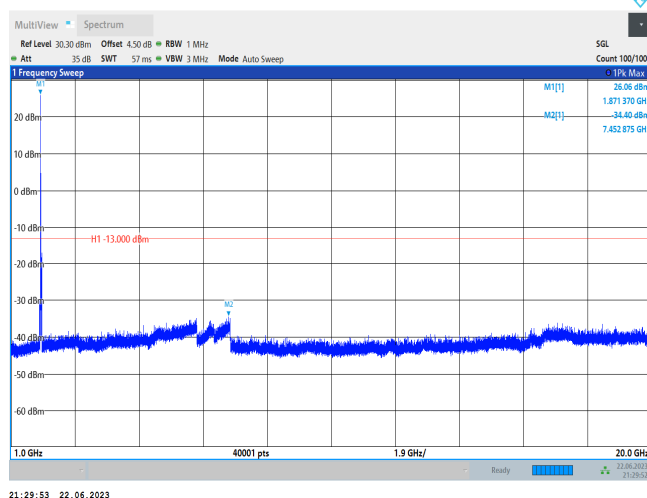
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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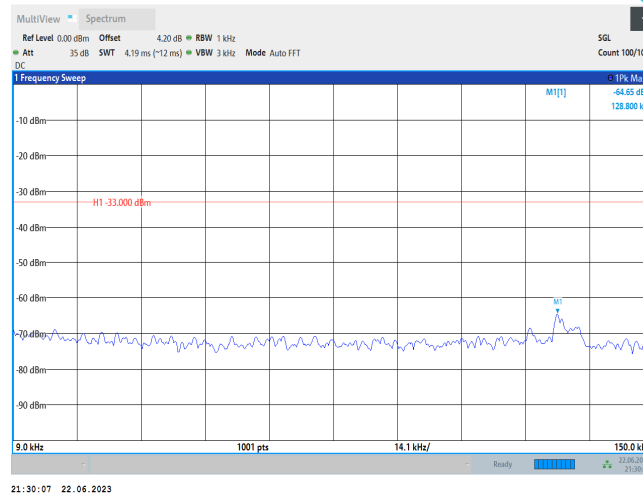


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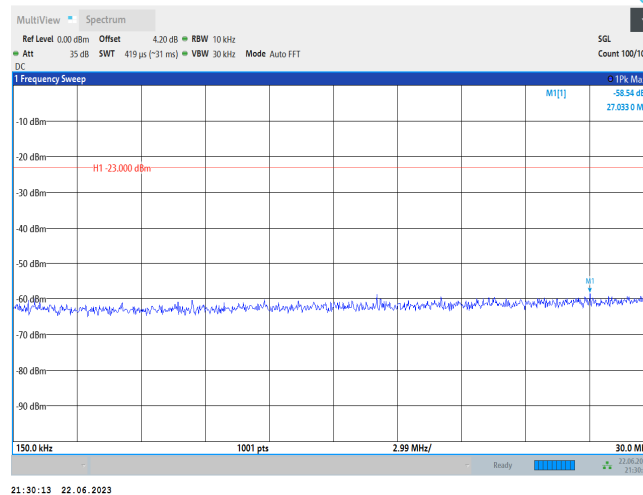
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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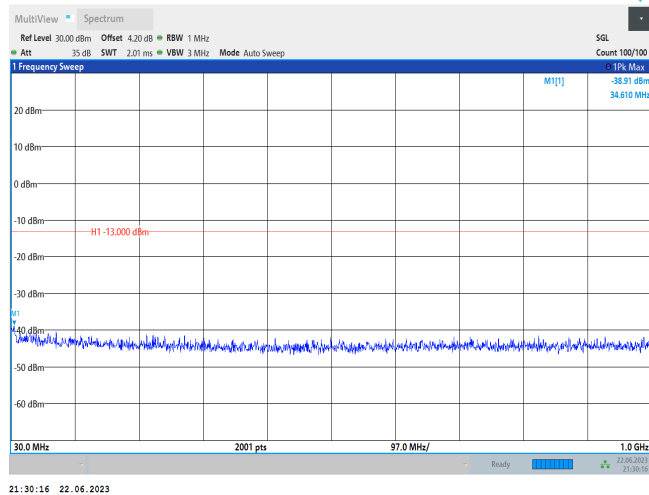
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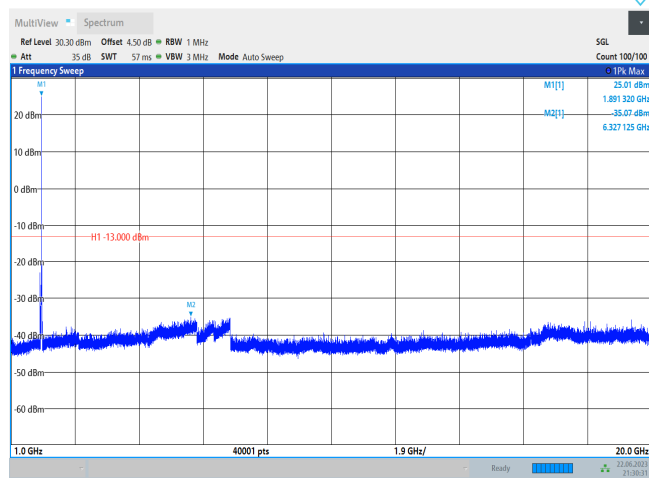
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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Field Strength of Spurious Radiation**Test Band = LTE band 2_ TM1_20MHz****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	61.71	-45.51	28.80	-50.26	-13.00	37.26	189	121	Horizontal
2	5553	51.63	-45.15	32.61	-56.17	-13.00	43.17	155	105	Horizontal
3	7404.3600	37.77	-43.40	36.33	-64.55	-13.00	51.55	185	227	Horizontal
4	9255.4500	34.24	-40.23	36.79	-64.47	-13.00	51.47	174	227	Horizontal
5	11106.5400	29.24	-37.93	38.71	-65.24	-13.00	52.24	196	30	Horizontal
6	12957.6300	27.19	-37.24	39.09	-66.22	-13.00	53.22	153	121	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	60.45	-45.51	28.80	-51.52	-13.00	38.52	136	272	Vertical
2	5553	61.32	-45.15	32.61	-46.48	-13.00	33.48	251	89	Vertical
3	7404.3600	38.92	-43.40	36.33	-63.40	-13.00	50.40	148	16	Vertical
4	9255.4500	32.82	-40.23	36.79	-65.89	-13.00	52.89	175	3	Vertical
5	11106.5400	28.11	-37.93	38.71	-66.37	-13.00	53.37	146	16	Vertical
6	12957.6300	27.27	-37.24	39.09	-66.14	-13.00	53.14	199	31	Vertical



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Test Band = LTE band 2_ TM1_20MHz
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	56.41	-45.68	28.84	-55.69	-13.00	42.69	244	134	Horizontal
2	5613	53.76	-45.04	32.62	-53.92	-13.00	40.92	175	105	Horizontal
3	7484.3600	37.12	-43.18	36.56	-64.76	-13.00	51.76	163	195	Horizontal
4	9355.4500	34.12	-40.00	36.98	-64.17	-13.00	51.17	256	105	Horizontal
5	11226.5400	30.02	-37.40	38.72	-63.92	-13.00	50.92	199	359	Horizontal
6	13097.6300	27.09	-37.01	39.28	-65.90	-13.00	52.90	142	283	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	56.51	-45.68	28.84	-55.59	-13.00	42.59	244	270	Vertical
2	5613	61.80	-45.04	32.62	-45.88	-13.00	32.88	153	104	Vertical
3	7484.3600	37.57	-43.18	36.56	-64.31	-13.00	51.31	261	316	Vertical
4	9355.4500	34.58	-40.00	36.98	-63.71	-13.00	50.71	147	316	Vertical
5	11226.5400	29.72	-37.40	38.72	-64.22	-13.00	51.22	185	59	Vertical
6	13097.6300	26.84	-37.01	39.28	-66.15	-13.00	53.15	196	3	Vertical



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Test Band = LTE band 2_ TM1_20MHz
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	57.97	-45.85	28.88	-54.25	-13.00	41.25	211	134	Horizontal
2	5673	53.01	-44.91	32.63	-54.52	-13.00	41.52	142	224	Horizontal
3	7564.3600	37.56	-43.00	36.63	-64.08	-13.00	51.08	130	357	Horizontal
4	9455.4500	34.07	-40.05	37.17	-64.08	-13.00	51.08	265	360	Horizontal
5	11346.5400	29.42	-37.40	38.73	-64.50	-13.00	51.50	188	283	Horizontal
6	13237.6300	26.12	-37.08	39.53	-66.69	-13.00	53.69	196	360	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	57.92	-45.85	28.88	-54.30	-13.00	41.30	174	242	Vertical
2	5673	59.82	-44.91	32.63	-47.71	-13.00	34.71	185	212	Vertical
3	7564.3600	37.33	-43.00	36.63	-64.31	-13.00	51.31	156	195	Vertical
4	9455.4500	33.23	-40.05	37.17	-64.92	-13.00	51.92	129	226	Vertical
5	11346.5400	28.62	-37.40	38.73	-65.30	-13.00	52.30	194	166	Vertical
6	13237.6300	26.06	-37.08	39.53	-66.75	-13.00	53.75	157	8	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	-14.10	-0.007500	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	1.20	0.000638	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-16.00	-0.008511	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	2.80	0.001489	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	0.40	0.000213	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-11.20	-0.005957	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.60	-0.000319	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	0.30	0.000160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	5.00	0.002660	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-9.30	-0.004947	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-17.40	-0.009255	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-9.60	-0.005106	PASS

---End of Attachment---



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