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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	23.07	25.38	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.96	25.27	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.81	25.12	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.47	24.78	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.11	25.42	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.19	25.5	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.16	25.47	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.18	24.49	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.89	25.2	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.97	25.28	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.9	25.21	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.91	24.22	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.17	24.48	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.25	24.56	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.08	24.39	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.58	23.89	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.46	24.77	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.5	24.81	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.47	24.78	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.43	23.74	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.18	24.49	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.29	24.6	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.28	24.59	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.28	23.59	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	20.07	22.38	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	20.05	22.36	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	20	22.31	33	PASS



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Band2	1.4MHz	64QAM	18607	6RB#0	20.07	22.38	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	20.55	22.86	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	20.64	22.95	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	20.59	22.9	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	19.76	22.07	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	20.3	22.61	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	20.3	22.61	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	20.3	22.61	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	19.54	21.85	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.76	25.07	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.9	25.21	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.86	25.17	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.51	24.82	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.02	25.33	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.21	25.52	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.22	25.53	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.25	24.56	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.86	25.17	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.05	25.36	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.05	25.36	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.99	24.3	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.95	24.26	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.19	24.5	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.07	24.38	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.59	23.9	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.32	24.63	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.56	24.87	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.46	24.77	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.38	23.69	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.09	24.4	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.34	24.65	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.38	24.69	33	PASS



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Band2	3MHz	16QAM	19185	15RB#0	21.21	23.52	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	19.75	22.06	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	20.02	22.33	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	19.91	22.22	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.08	22.39	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	20.44	22.75	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	20.56	22.87	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	20.57	22.88	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	19.77	22.08	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	20.32	22.63	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	20.46	22.77	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	20.51	22.82	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	19.49	21.8	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.66	24.97	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.82	25.13	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.92	25.23	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.5	24.81	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.89	25.2	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.15	25.46	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.22	25.53	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.25	24.56	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.45	24.76	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.75	25.06	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.89	25.2	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.78	24.09	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.88	24.19	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.02	24.33	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.11	24.42	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.64	23.95	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.21	24.52	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.41	24.72	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.54	24.85	33	PASS



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Band2	5MHz	16QAM	18900	25RB#0	21.36	23.67	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.73	24.04	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.05	24.36	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.19	24.5	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.99	23.3	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	19.63	21.94	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	19.87	22.18	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	20.09	22.4	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.05	22.36	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	20.36	22.67	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	20.56	22.87	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	20.47	22.78	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	19.66	21.97	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	19.75	22.06	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.07	22.38	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	20.22	22.53	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	19.29	21.6	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.21	24.52	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.95	25.26	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.68	24.99	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.55	24.86	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.69	25	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.09	25.4	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.06	25.37	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.08	24.39	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.31	24.62	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.38	24.69	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.82	25.13	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.46	23.77	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.42	23.73	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.15	24.46	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.91	24.22	33	PASS



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Band2	10MHz	16QAM	18900	1RB#0	21.99	24.3	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.33	24.64	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.34	24.65	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.28	23.59	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.65	23.96	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.67	23.98	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.15	24.46	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.45	22.76	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	19.07	21.38	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	20.1	22.41	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	19.77	22.08	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	19.9	22.21	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	20.04	22.35	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	20.37	22.68	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	20.3	22.61	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	19.56	21.87	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	19.8	22.11	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	19.66	21.97	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	20.07	22.38	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	18.8	21.11	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.58	24.89	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.96	25.27	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.9	25.21	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.31	24.62	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.83	25.14	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.93	25.24	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.99	25.3	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.73	24.04	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.48	23.79	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	21.51	23.82	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	21.68	23.99	33	PASS



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Band2	15MHz	16QAM	18675	1RB#0	21.82	24.13	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.22	24.53	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.11	24.42	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.03	23.34	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.13	24.44	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.16	24.47	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.19	24.5	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.13	23.44	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	20.75	23.06	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	20.73	23.04	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	20.87	23.18	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	17.18	19.49	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	19.51	21.82	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	20.06	22.37	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	20.12	22.43	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	19.79	22.1	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	20.24	22.55	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	20.18	22.49	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	20.18	22.49	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	19.5	21.81	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	18.69	21	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	18.74	21.05	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	18.67	20.98	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	18.34	20.65	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.97	25.28	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.07	25.38	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.76	25.07	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.5	24.81	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.75	25.06	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.66	24.97	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.71	25.02	33	PASS



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Band2	20MHz	QPSK	18900	100RB#0	21.34	23.65	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.41	23.72	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	21.75	24.06	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.97	24.28	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.17	22.48	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.15	24.46	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.38	24.69	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.05	24.36	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.45	22.76	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.12	24.43	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.94	24.25	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.07	24.38	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.85	23.16	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.65	22.96	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.05	23.36	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.22	23.53	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	19.08	21.39	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	19.98	22.29	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	20.27	22.58	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	20.22	22.53	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	19.26	21.57	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.19	22.5	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	19.88	22.19	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	19.88	22.19	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	19.37	21.68	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	18.41	20.72	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	18.93	21.24	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	19.02	21.33	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	19.53	21.84	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	4.62	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.08	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.08	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.86	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.78	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.12	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.22	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	5.82	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.32	13	PASS



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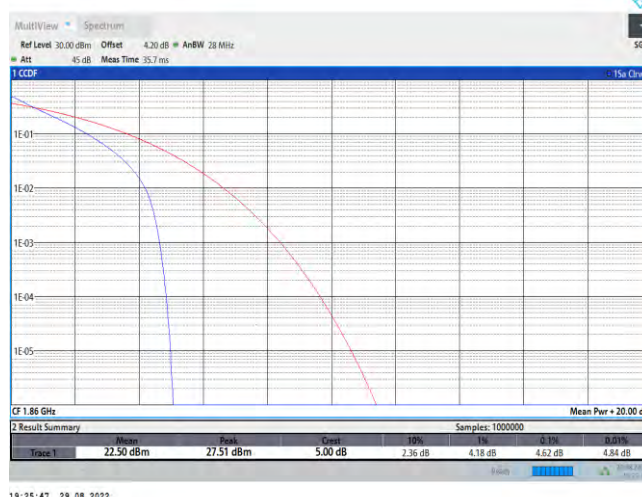
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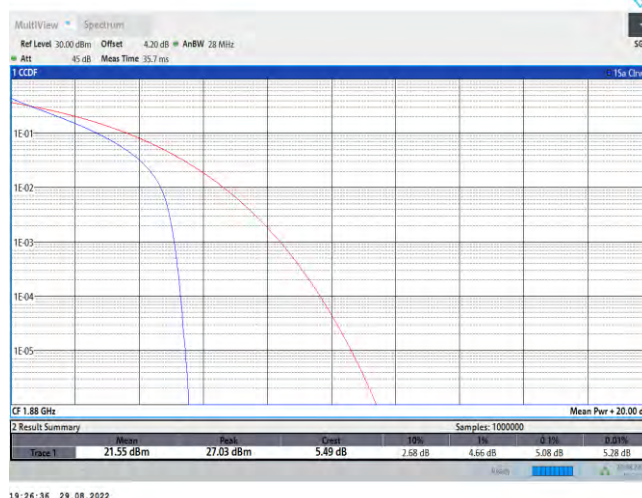
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Test Graphs

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



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



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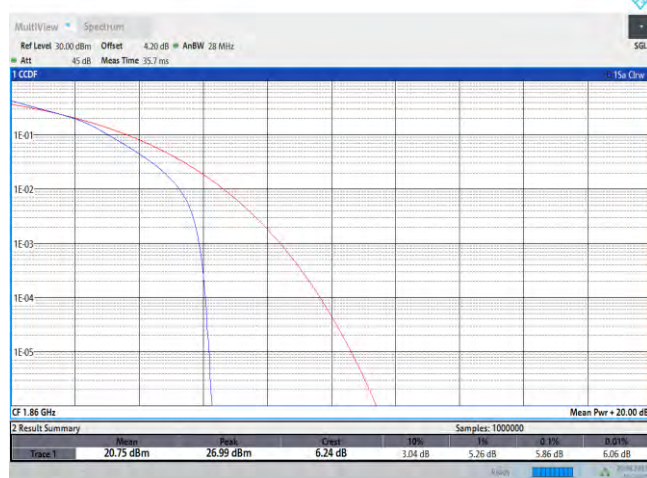
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Band2-20MHz-QPSK-19100-100RB#0



19:27:26 29.08.2022

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



19:26:03 29.08.2022



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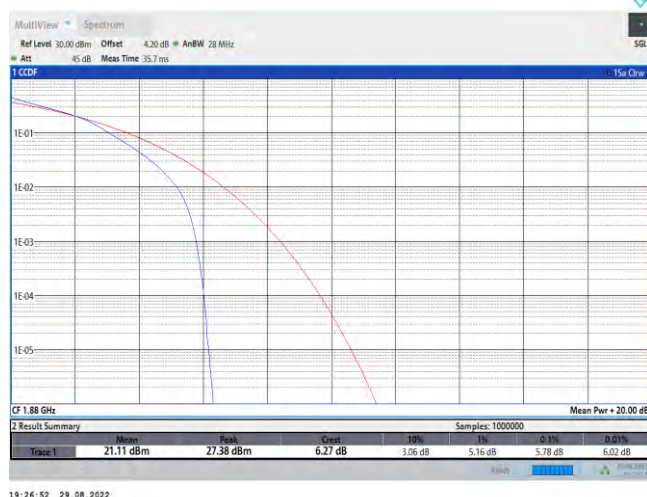
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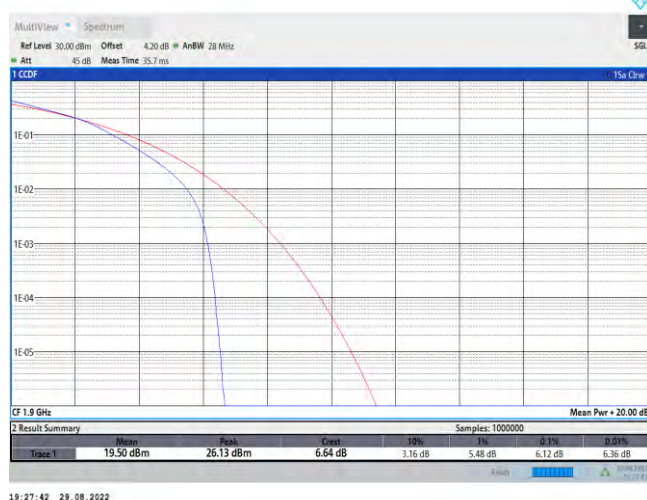
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Band2-20MHz-16QAM-18900-100RB#0



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



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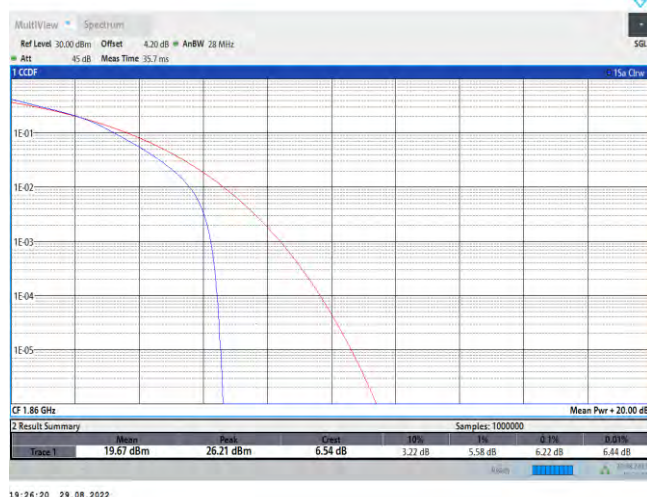
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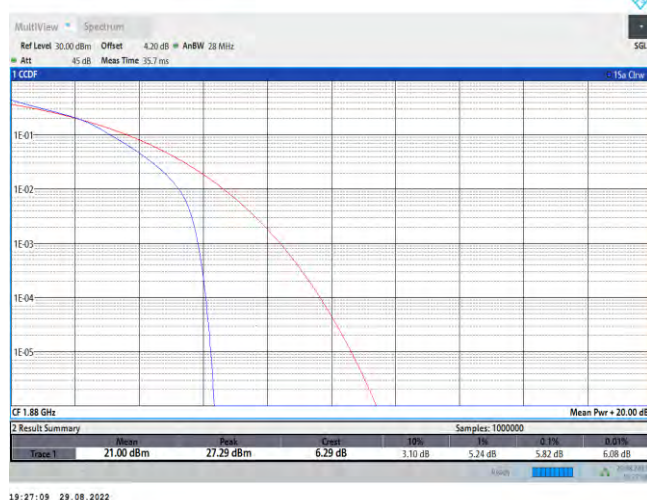
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Band2-20MHz-64QAM-18700-100RB#0



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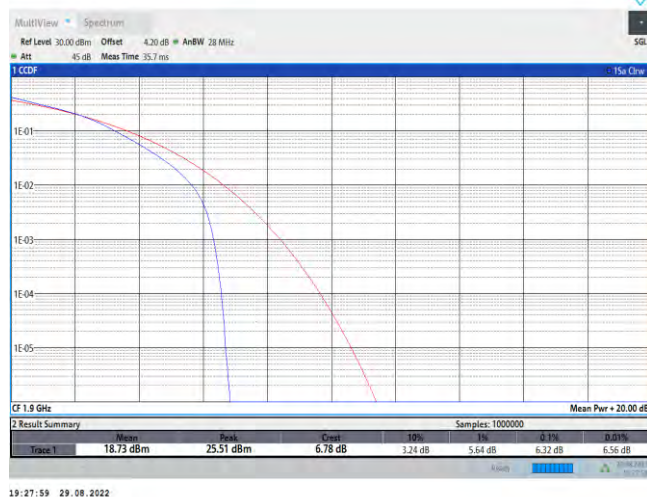
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Band2-20MHz-64QAM-19100-100RB#0



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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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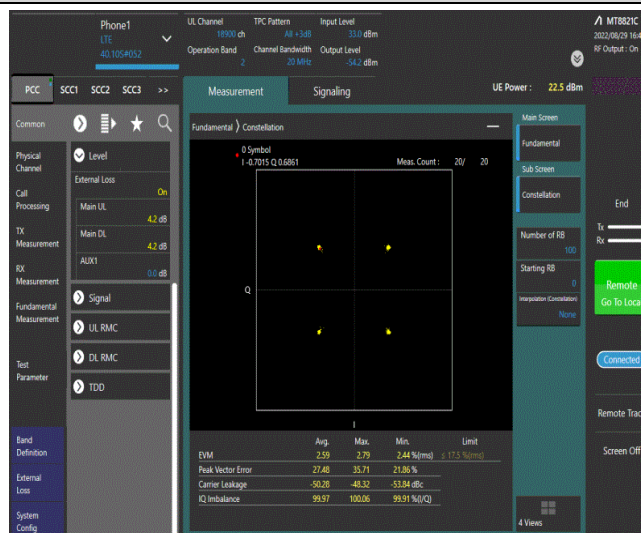
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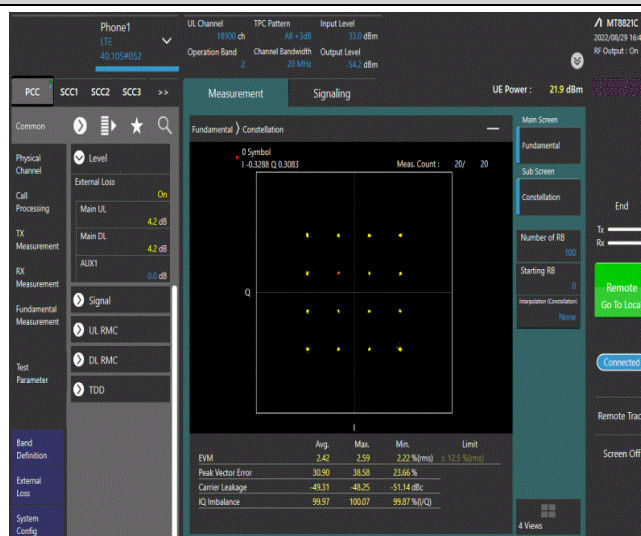
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Test Graphs

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



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



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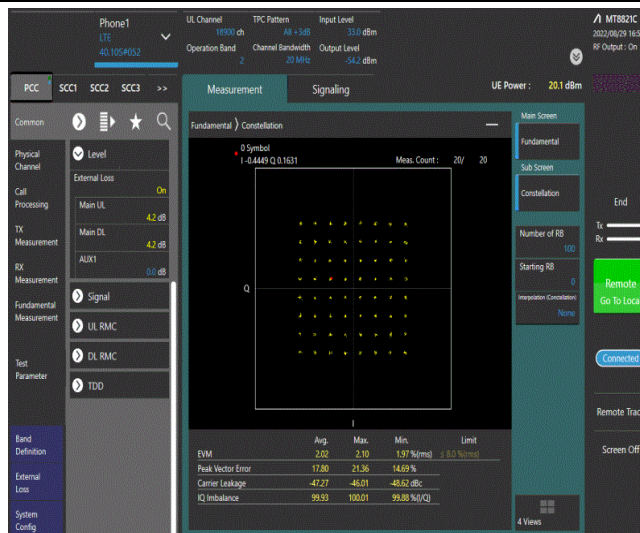
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Band2-20MHz-64QAM-18900-100RB#0



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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	1.084	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.084	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.084	1.23	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.093	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.093	1.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.093	1.24	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.091	1.24	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.091	1.24	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.091	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	2.98	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.692	2.99	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	2.96	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.687	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.686	2.99	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.688	2.98	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.689	2.97	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.69	2.98	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.688	2.97	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.47	4.89	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.468	4.87	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.468	4.89	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.467	4.90	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.466	4.93	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.467	4.88	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.479	4.92	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.479	4.90	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.471	4.90	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.926	9.62	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.923	9.62	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.926	9.62	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.906	9.64	PASS



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Band2	10MHz	16QAM	18900	50RB#0	8.919	9.64	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.92	9.62	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.926	9.64	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.926	9.64	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.925	9.62	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.461	14.79	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	14.79	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.499	14.79	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.429	14.76	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.456	14.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.466	14.76	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.433	14.76	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.441	14.76	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.447	14.79	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.911	19.72	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.925	19.52	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.92	19.36	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.839	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.889	19.40	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.903	19.40	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.843	19.36	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.904	19.52	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.877	19.76	PASS



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Test Graphs

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



18:44:40 29.08.2022



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18:45:32 29.08.2022

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



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



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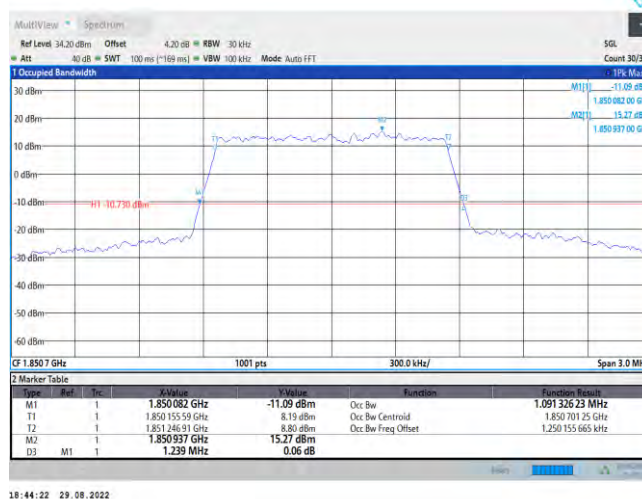
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Band2-1.4MHz-64QAM-18900-6RB#0



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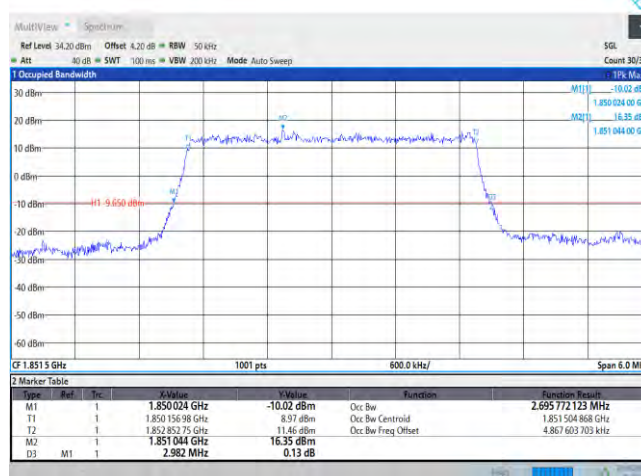
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Band2-3MHz-QPSK-18615-15RB#0



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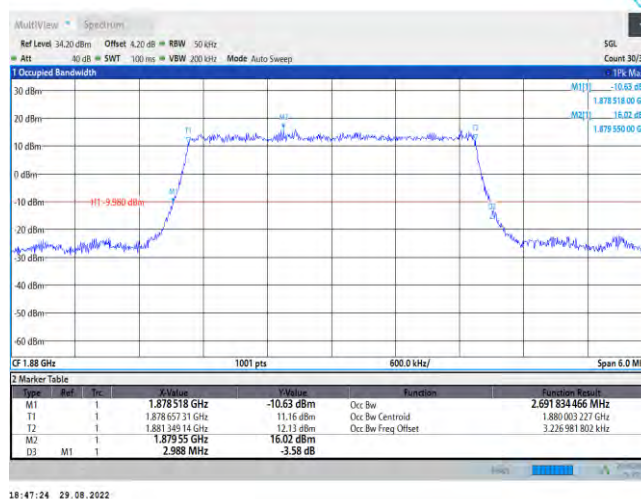
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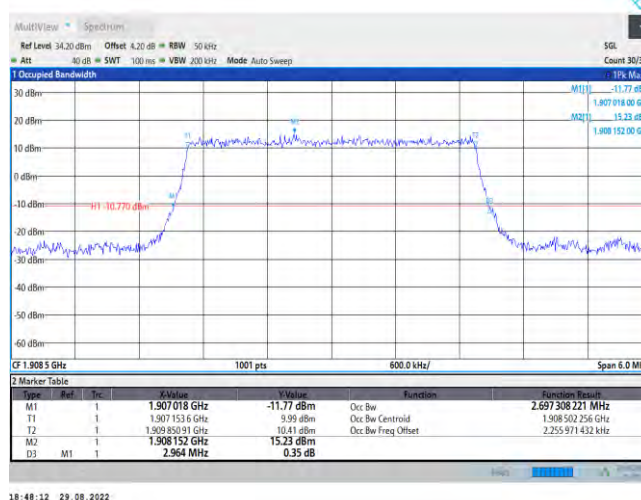
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Band2-3MHz-QPSK-18900-15RB#0



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



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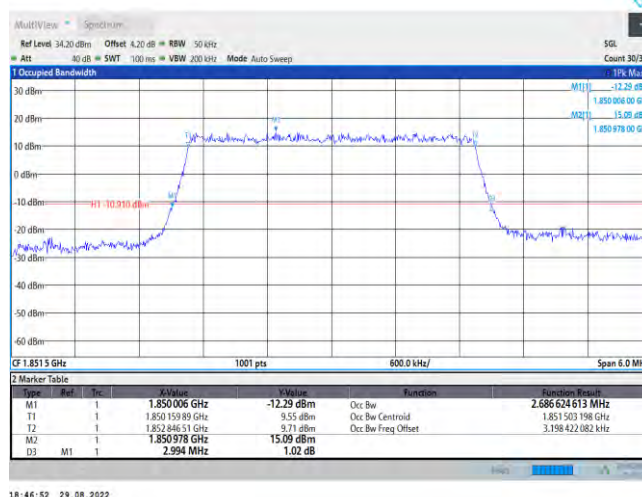
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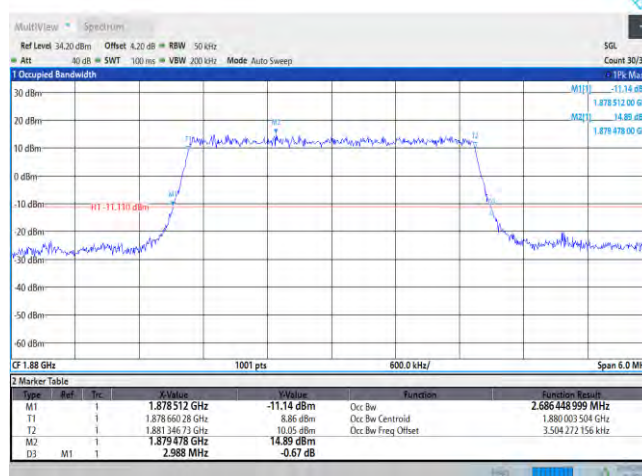
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Band2-3MHz-16QAM-18615-15RB#0



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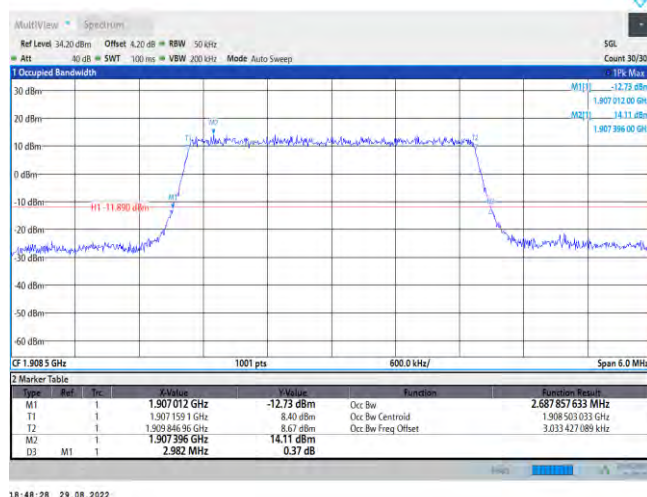
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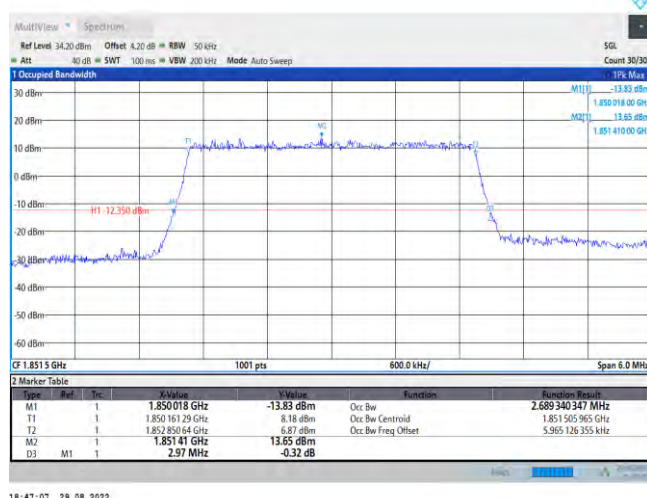
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Band2-3MHz-16QAM-19185-15RB#0



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



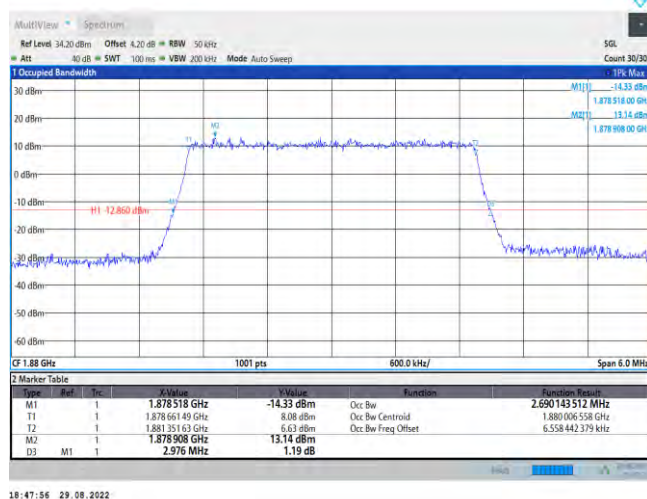
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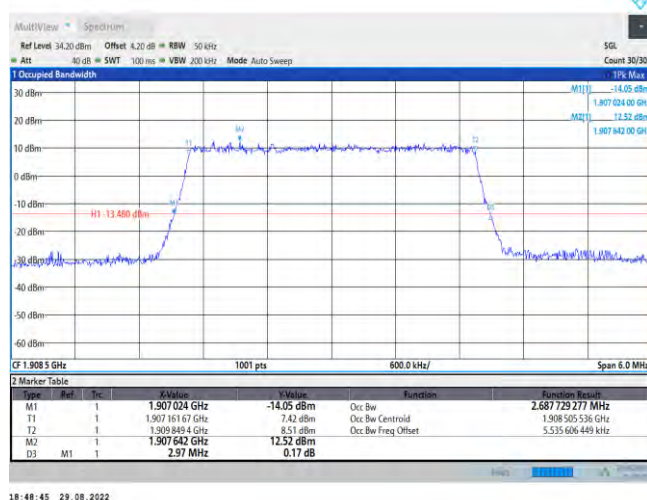
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Band2-3MHz-64QAM-18900-15RB#0



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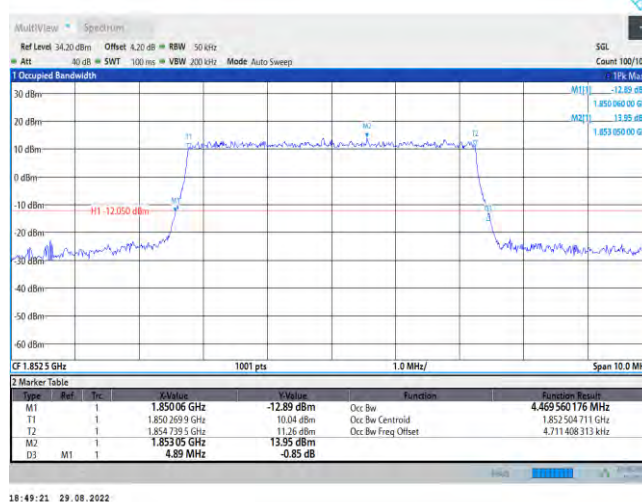
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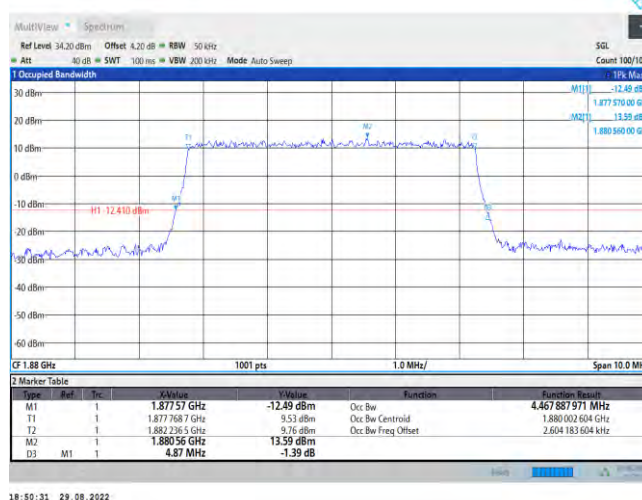
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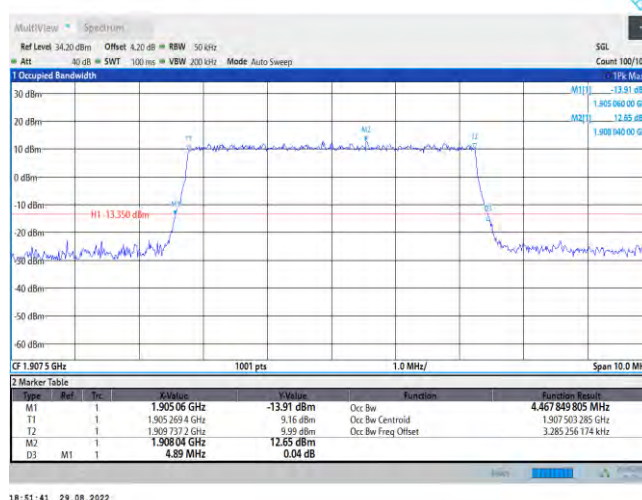
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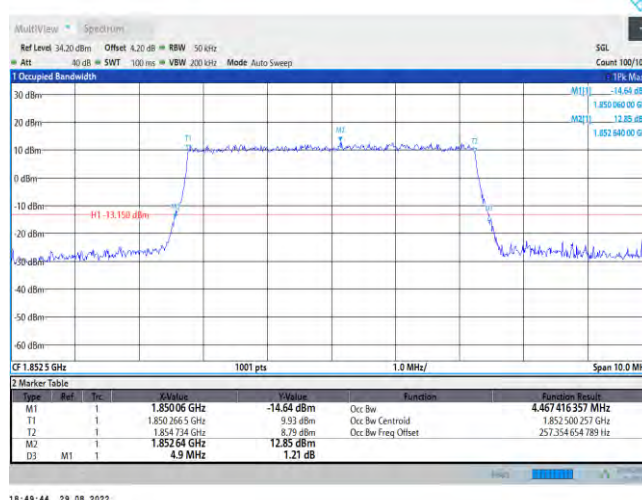
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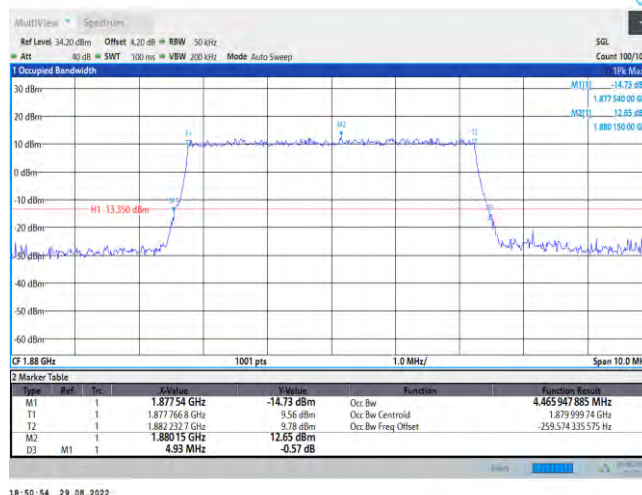
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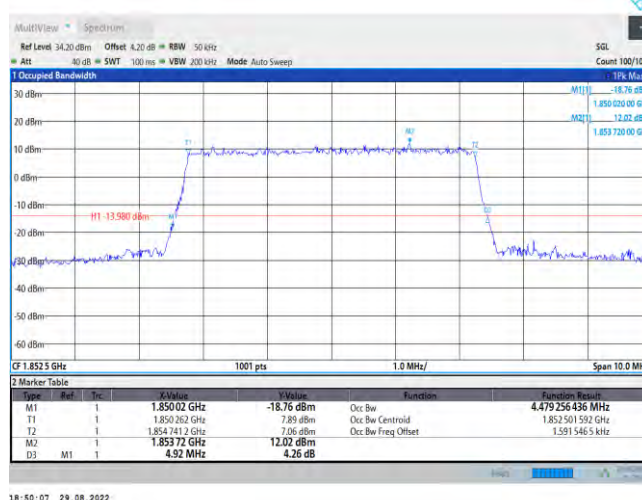
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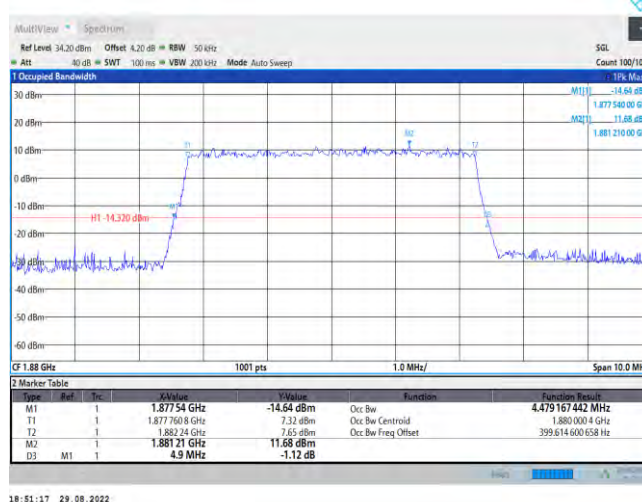
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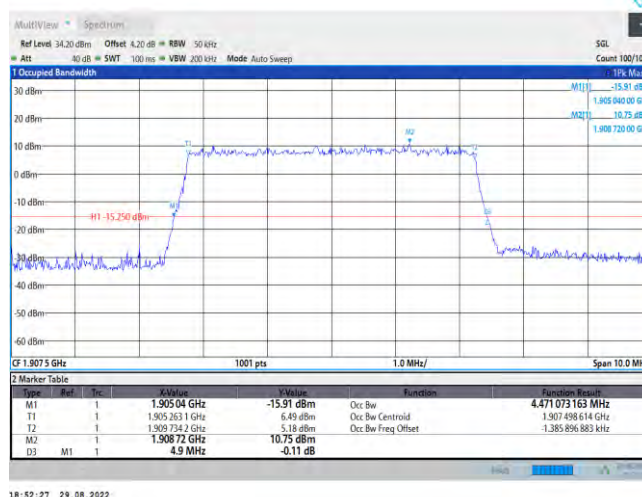
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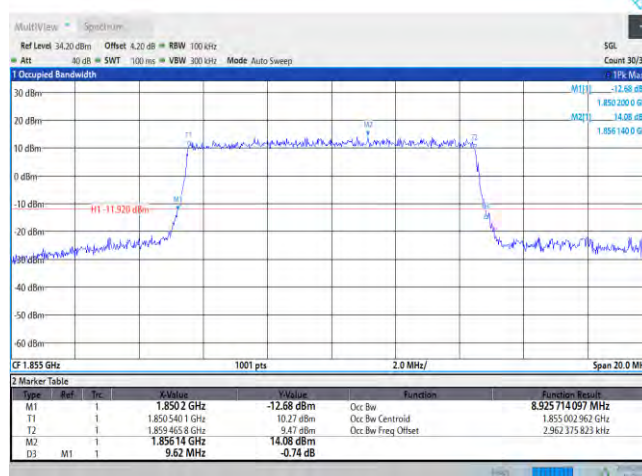
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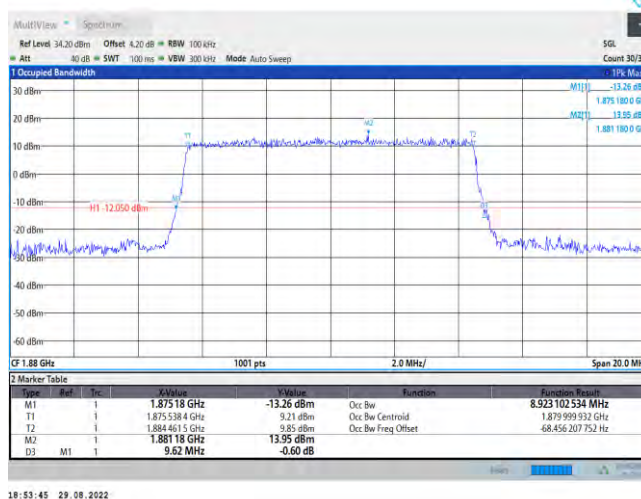
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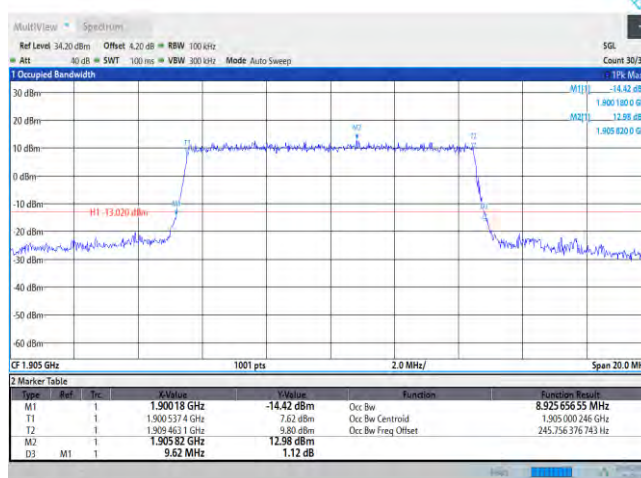
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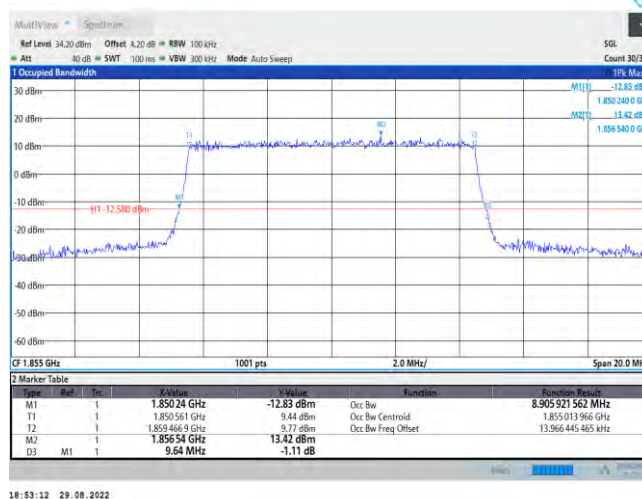
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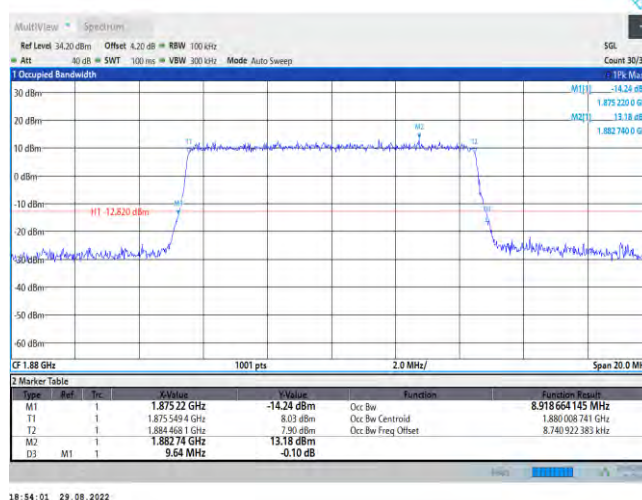
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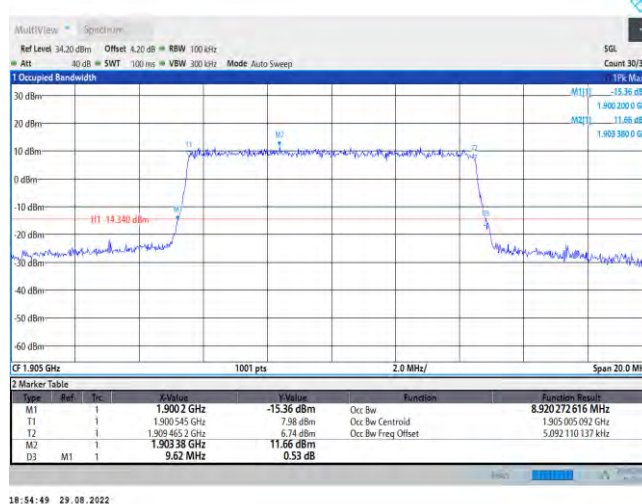
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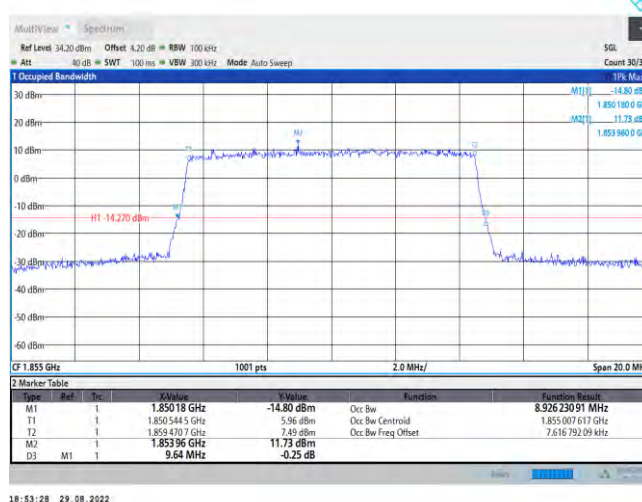
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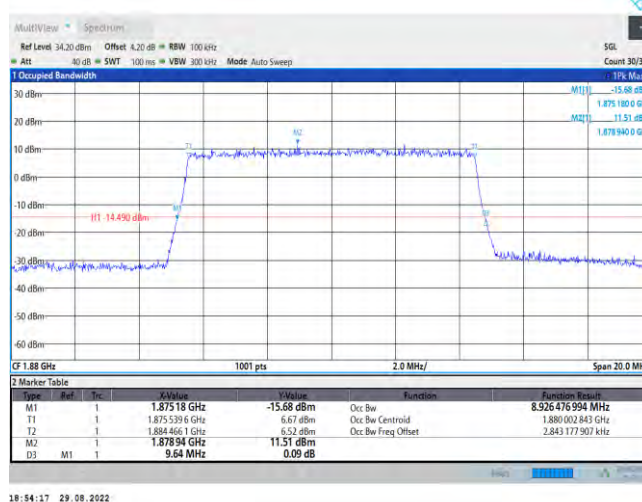
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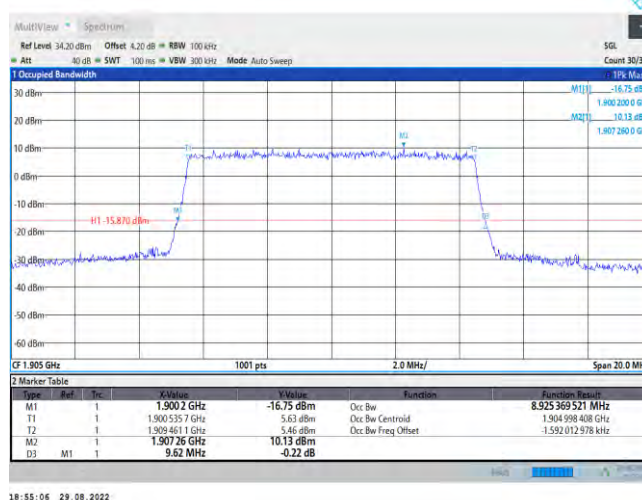
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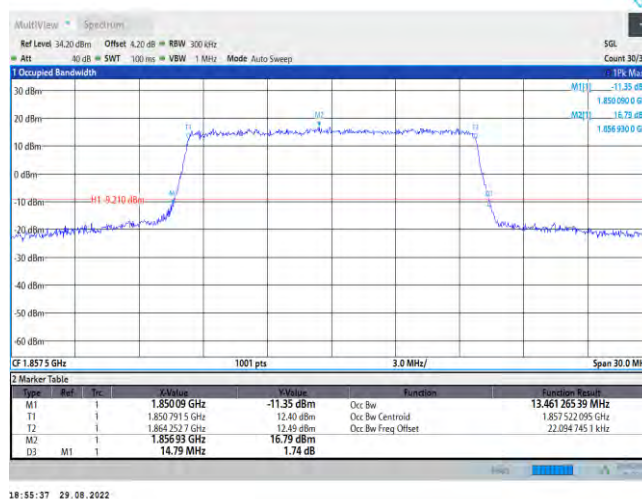
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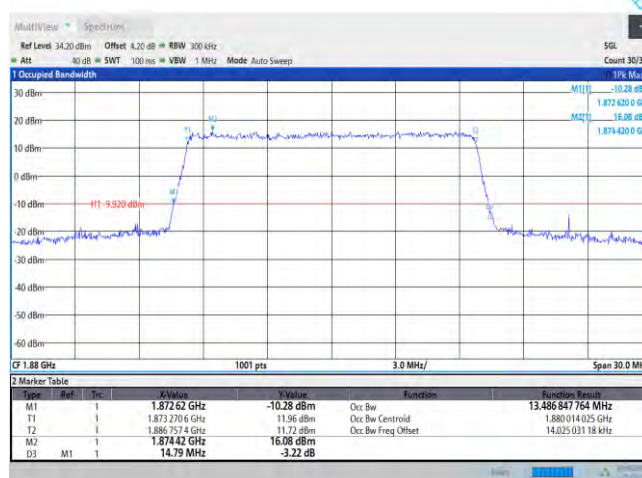
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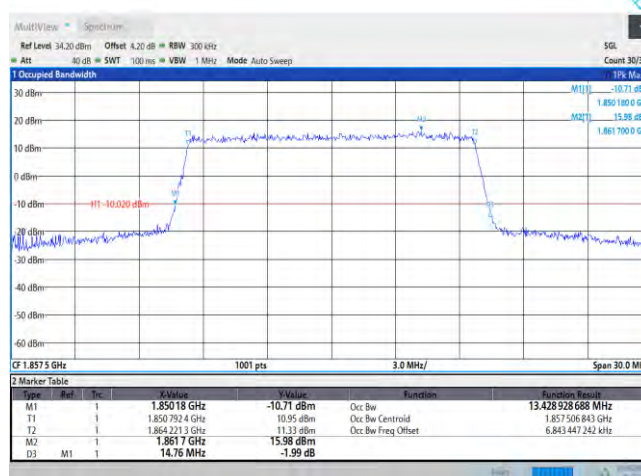
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Band2-15MHz-QPSK-19125-75RB#0



18:57:14 29.08.2022

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



18:55:53 29.08.2022



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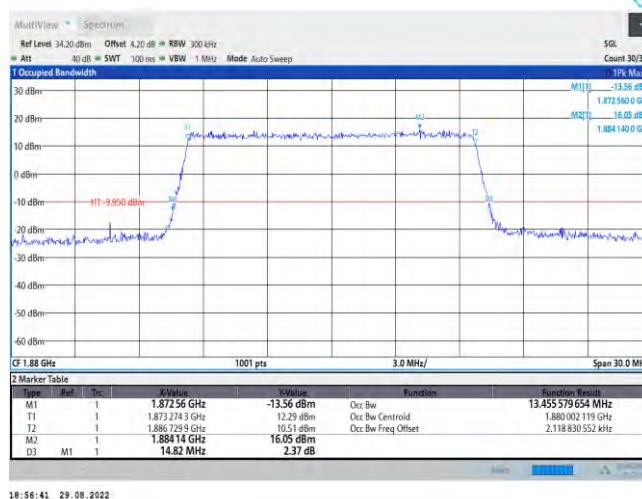
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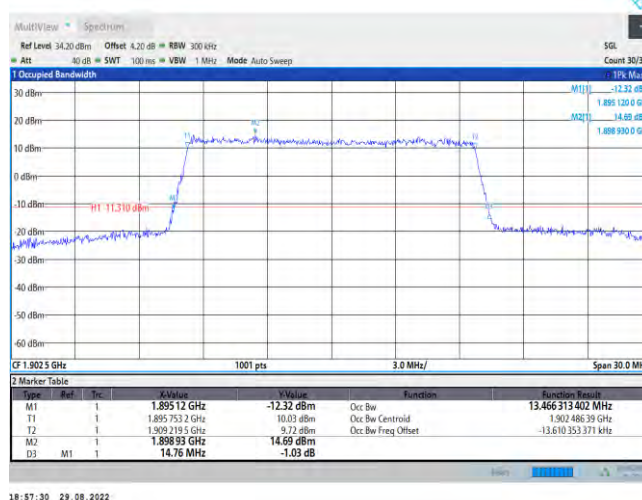
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Band2-15MHz-16QAM-18900-75RB#0



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



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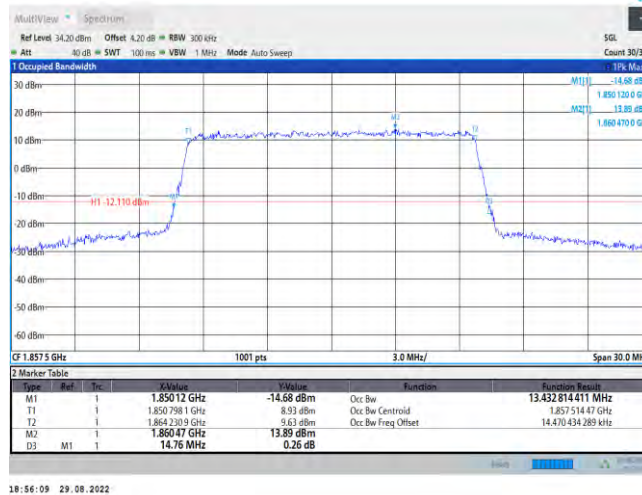
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Band2-15MHz-64QAM-18675-75RB#0



Band2-15MHz-64QAM-18900-75RB#0



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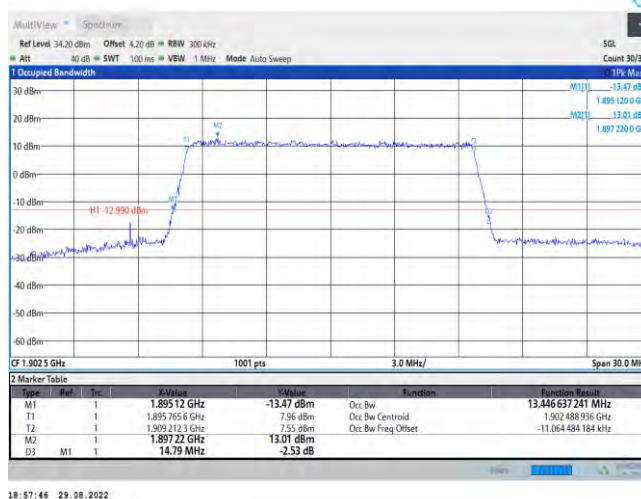
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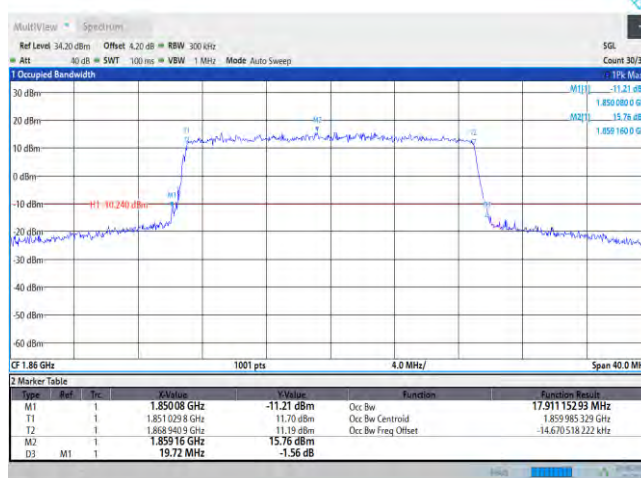
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18:57:46 29.08.2022

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



18:58:15 29.08.2022



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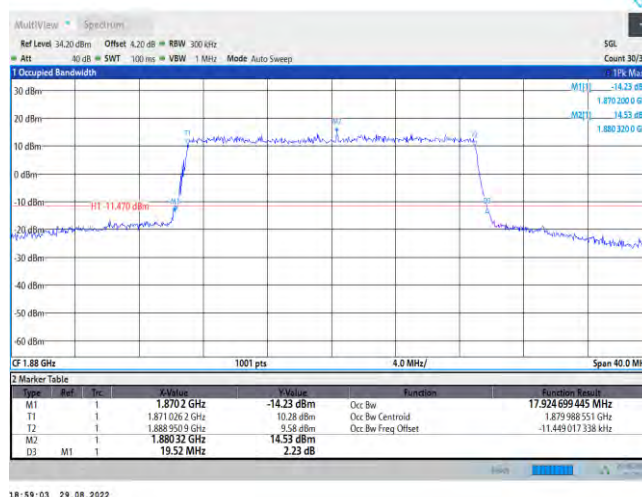
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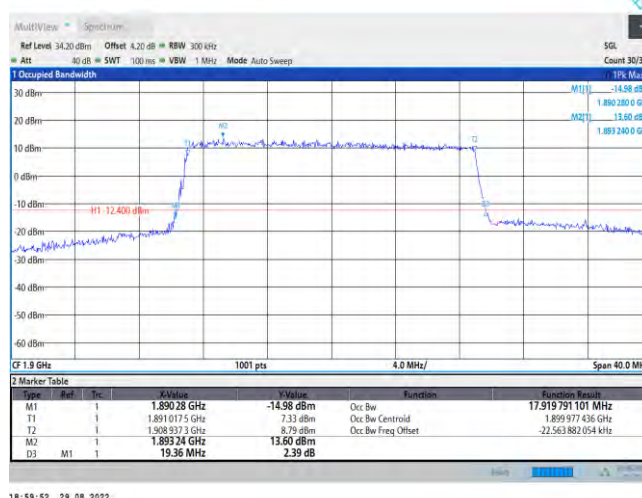
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18:59:03 29.08.2022

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



18:59:52 29.08.2022



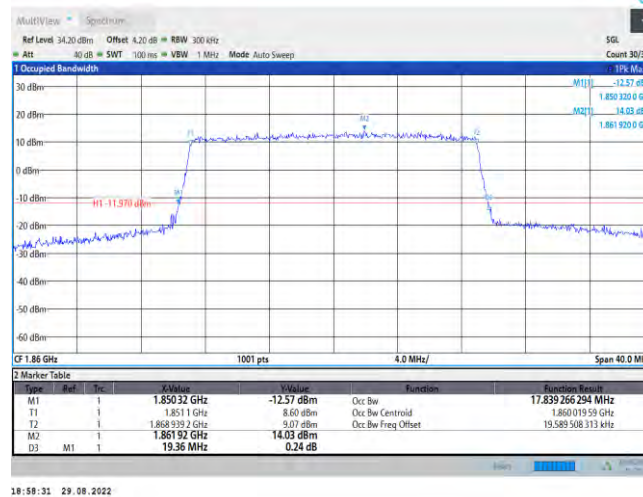
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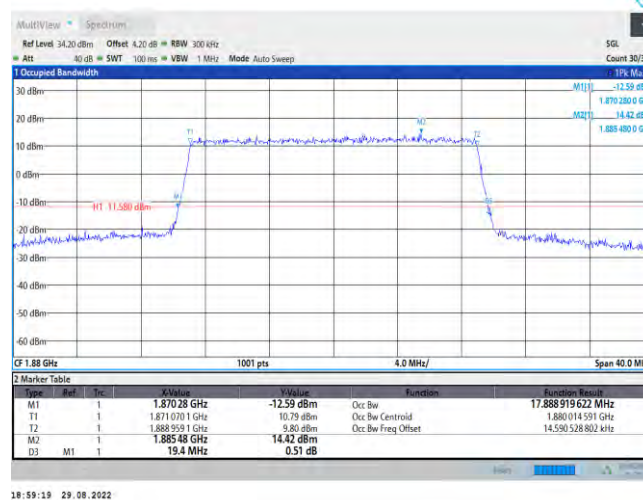
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Band2-20MHz-16QAM-18700-100RB#0



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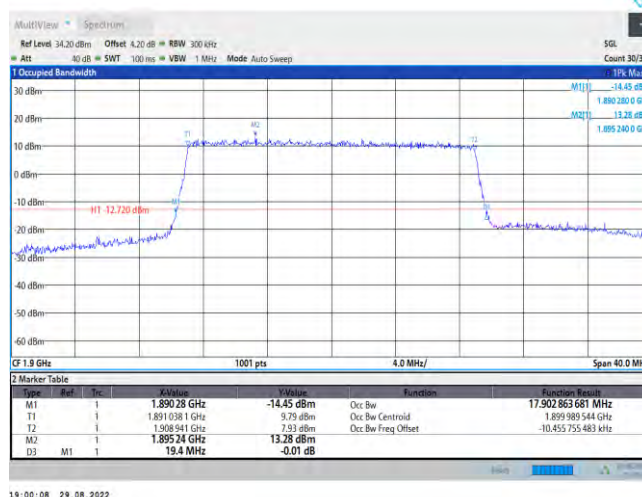
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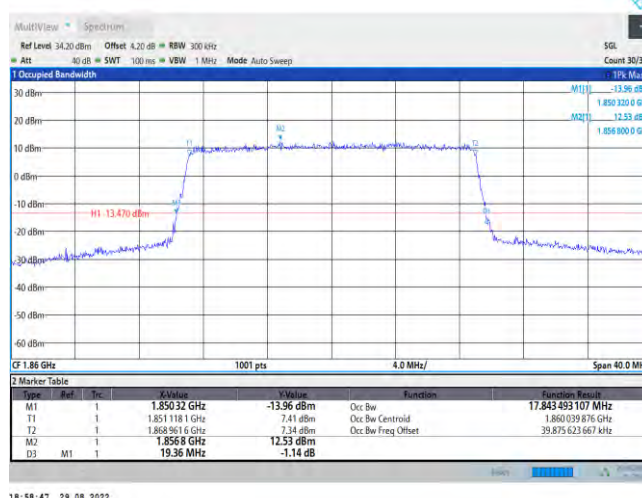
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Band2-20MHz-16QAM-19100-100RB#0



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



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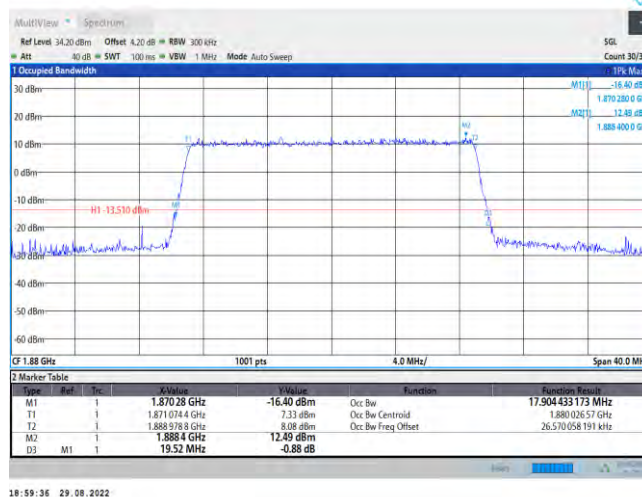
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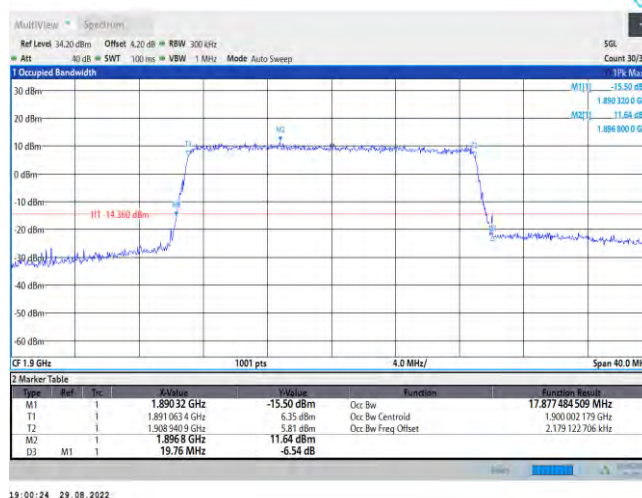
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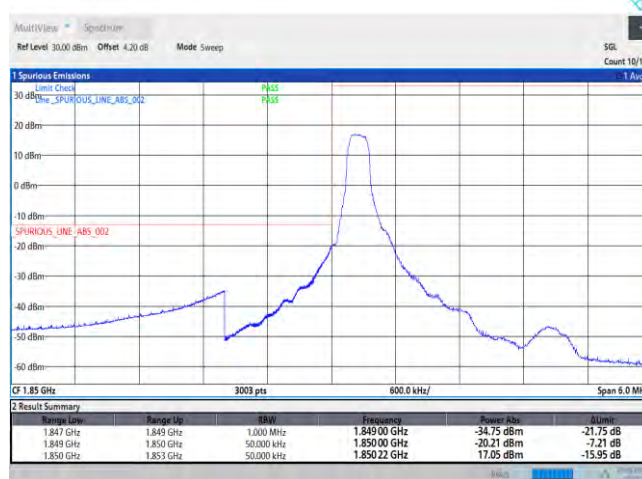
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Band Edge

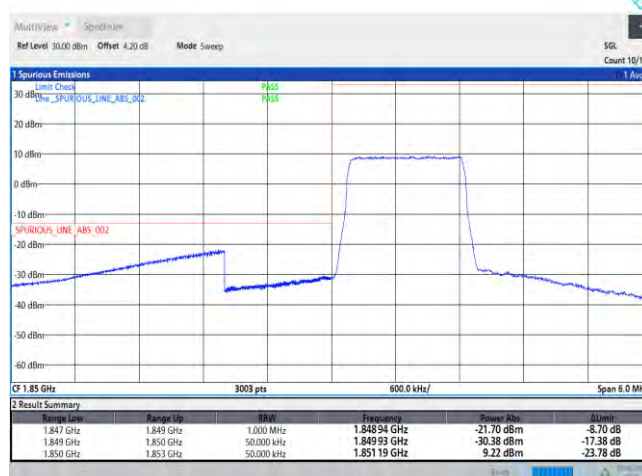
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Band2-1.4MHz-QPSK-18607-1RB#0



19:01:15 29.08.2022

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



19:01:48 29.08.2022



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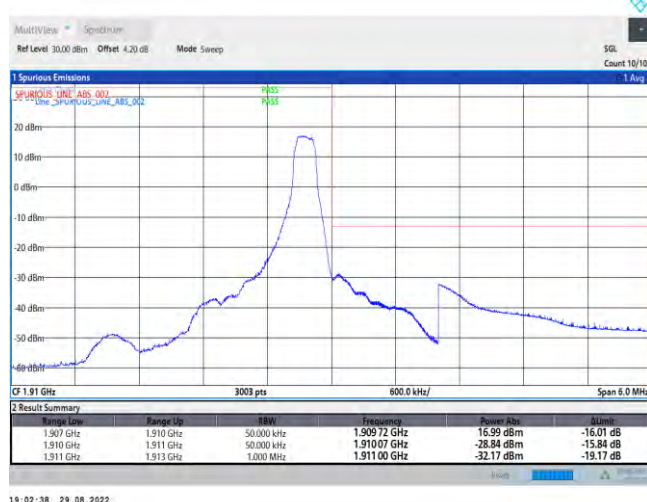
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Band2-1.4MHz-QPSK-19193-1RB#5



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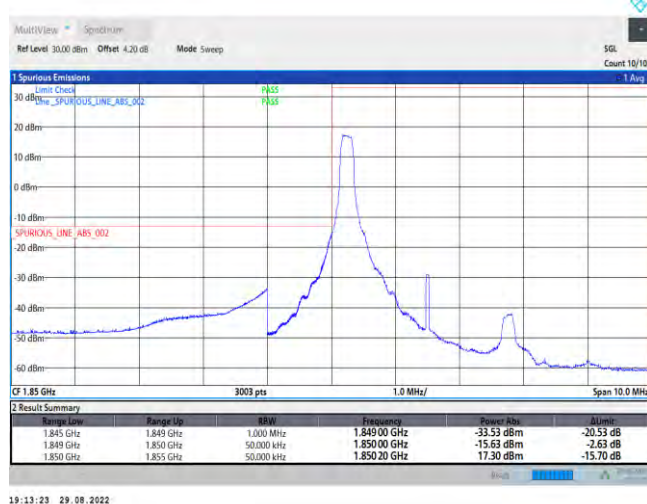
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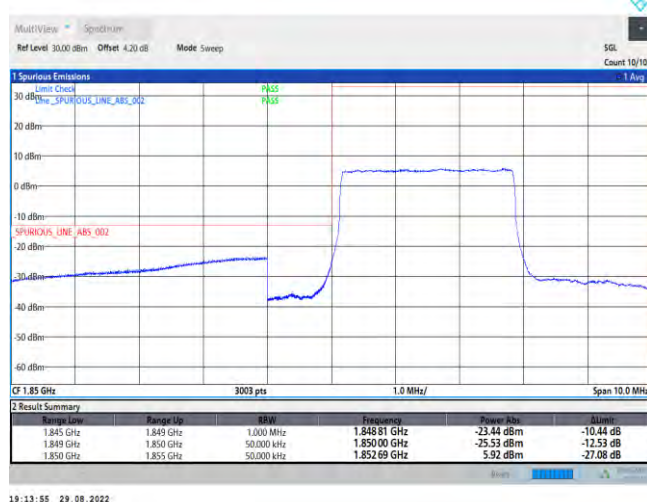
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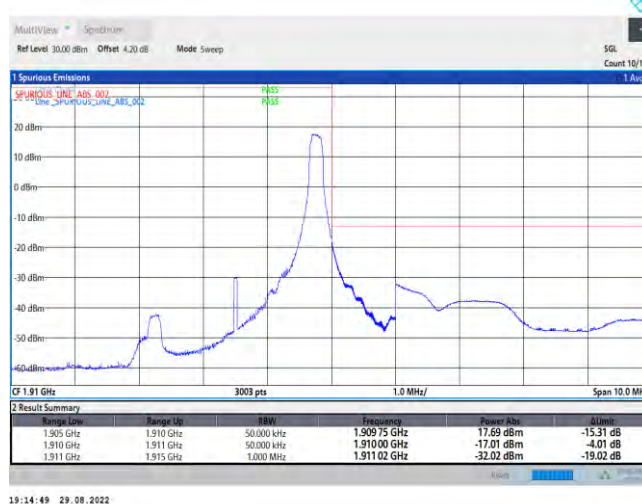
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Band2-3MHz-QPSK-19185-1RB#14



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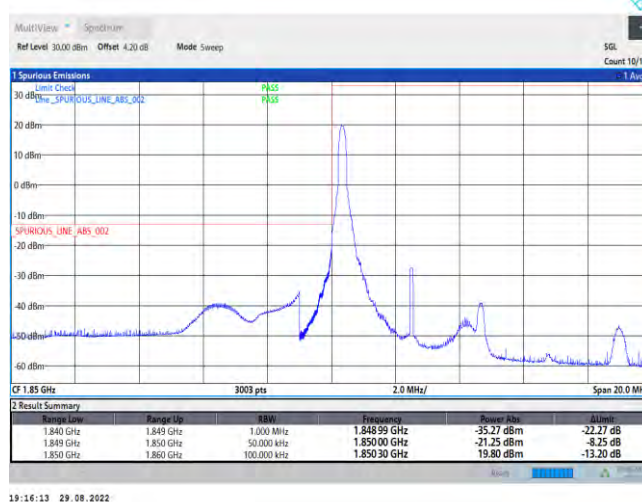
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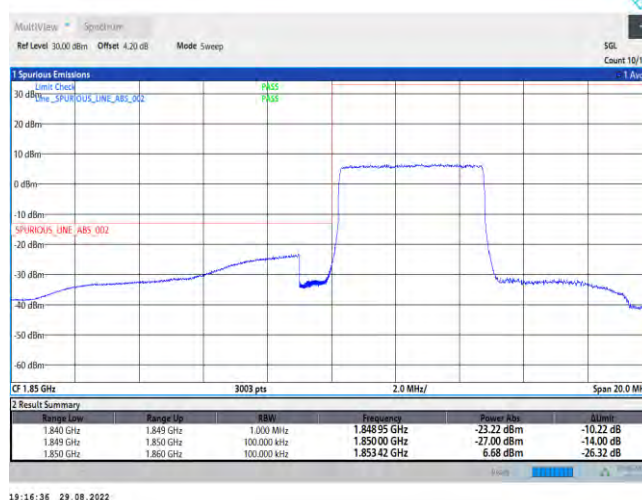
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Band2-5MHz-QPSK-18625-1RB#0



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



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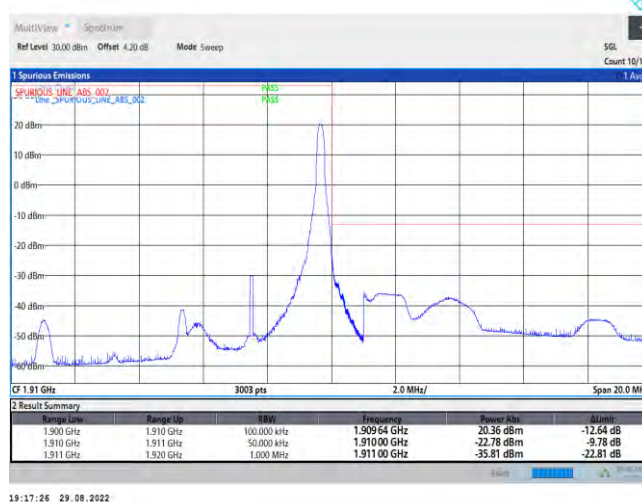
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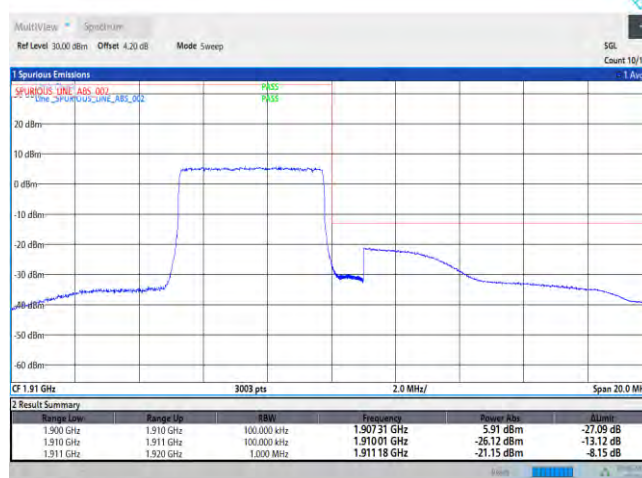
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Band2-5MHz-QPSK-19175-1RB#24



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



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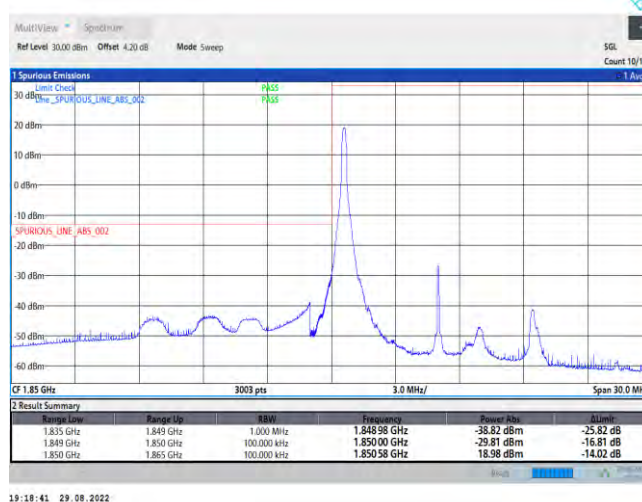
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Band2-10MHz-QPSK-18650-1RB#0



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



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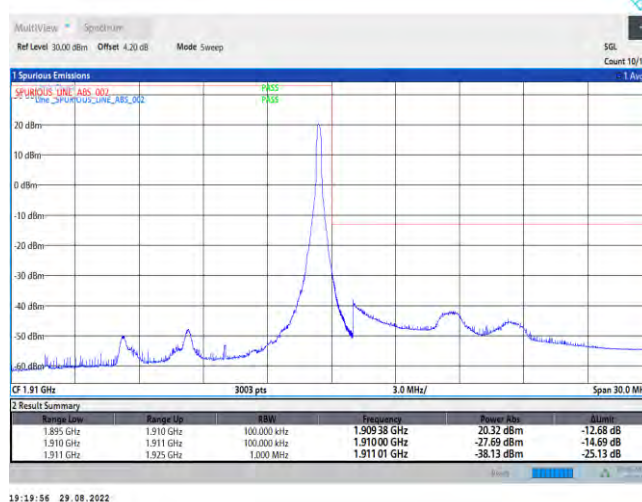
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Band2-10MHz-QPSK-19150-1RB#49



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



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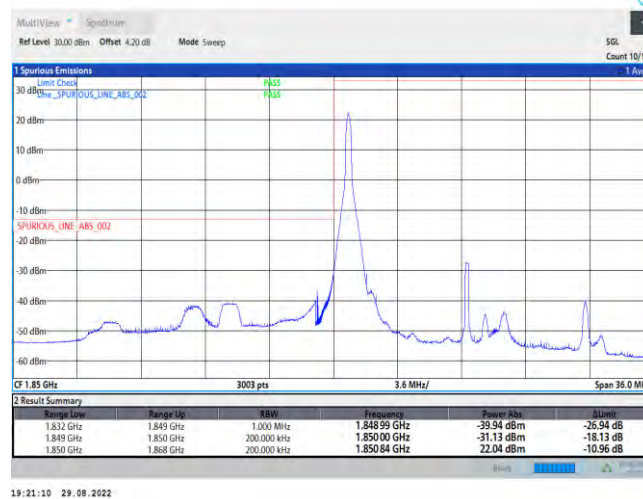
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Band2-15MHz-QPSK-18675-1RB#0



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



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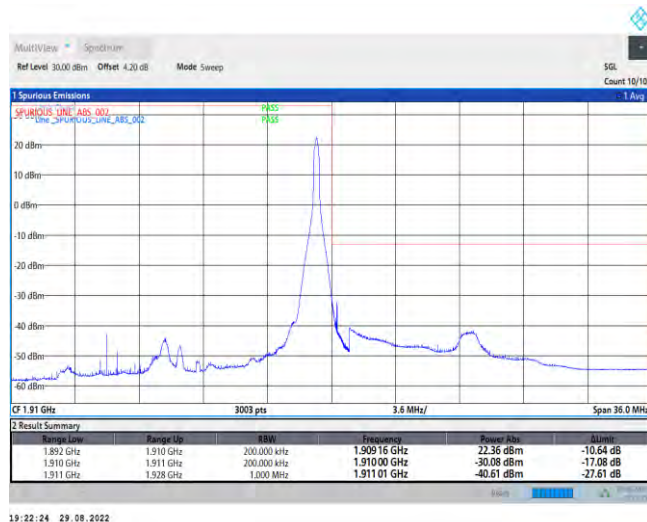
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Band2-15MHz-QPSK-19125-1RB#74



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



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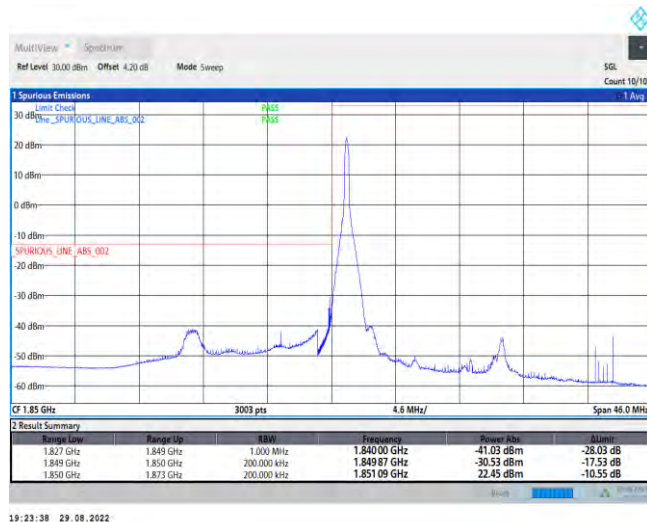
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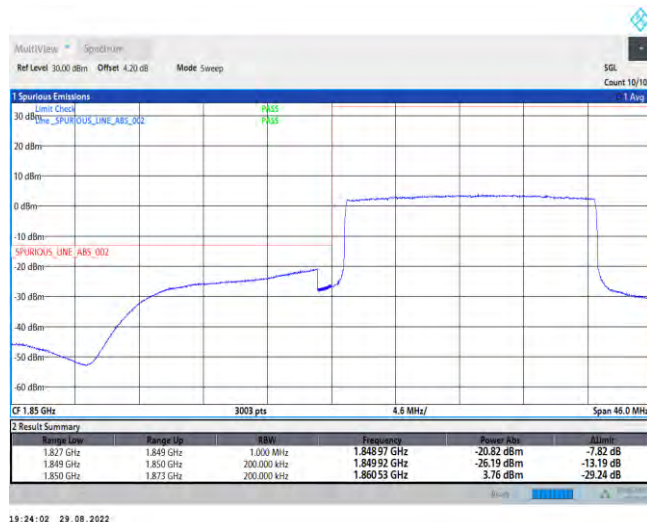
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Band2-20MHz-QPSK-18700-1RB#0



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



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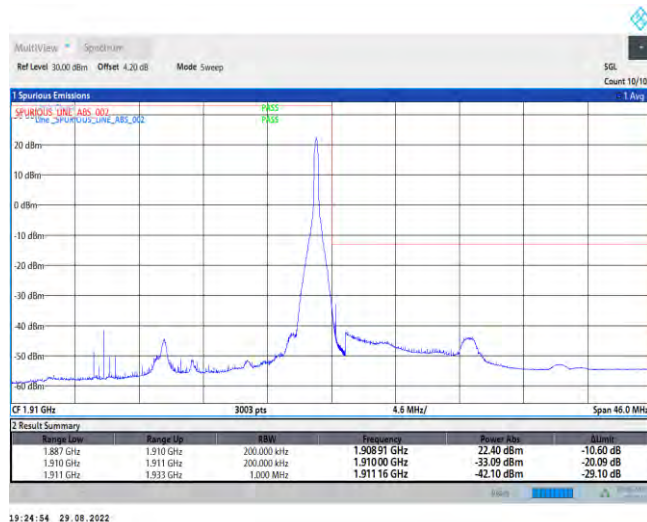
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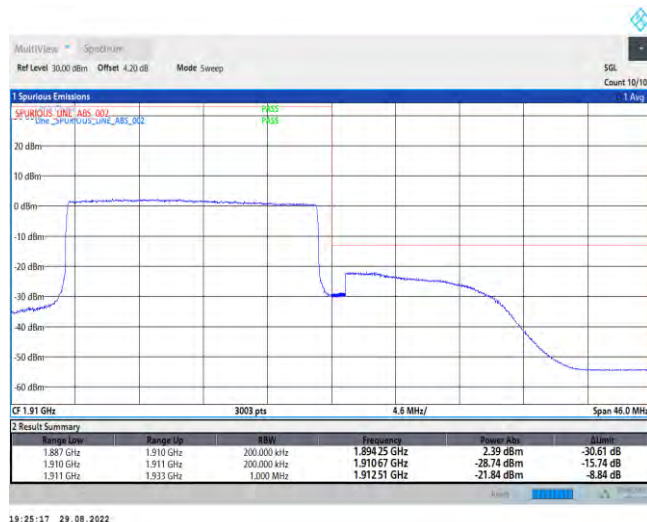
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Band2-20MHz-QPSK-19100-1RB#99



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



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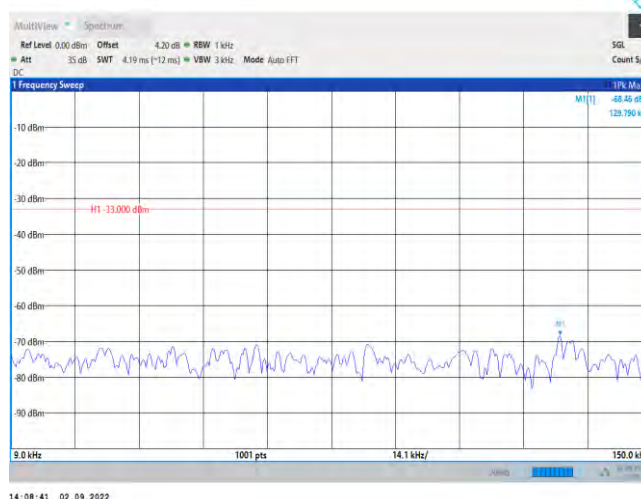
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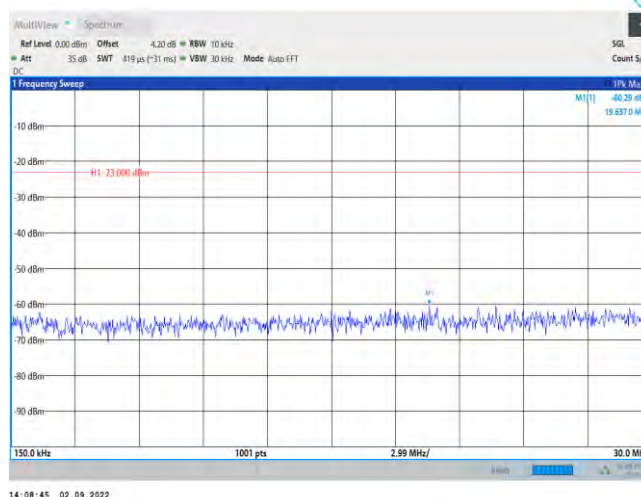
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



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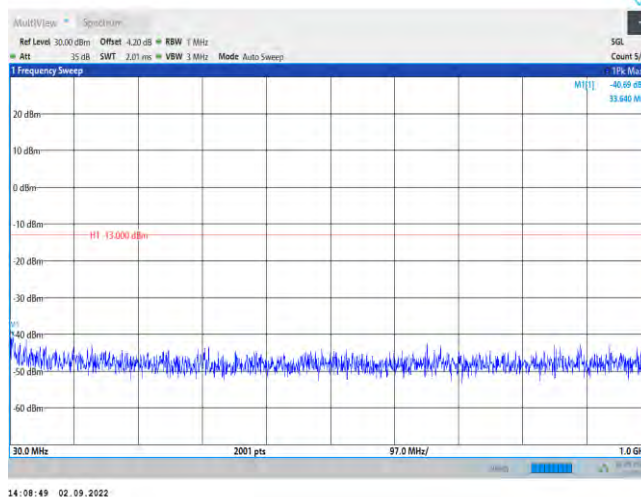
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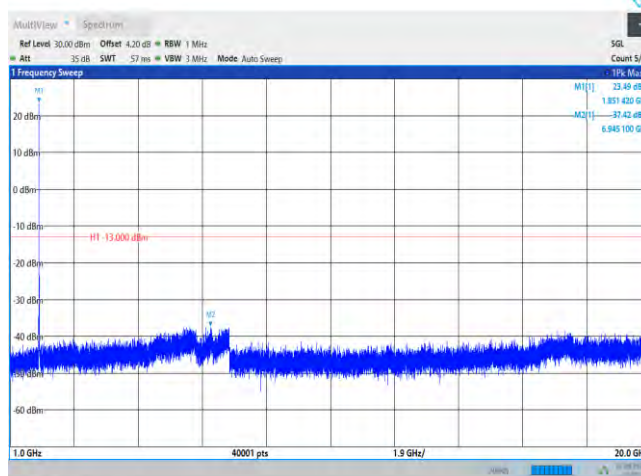
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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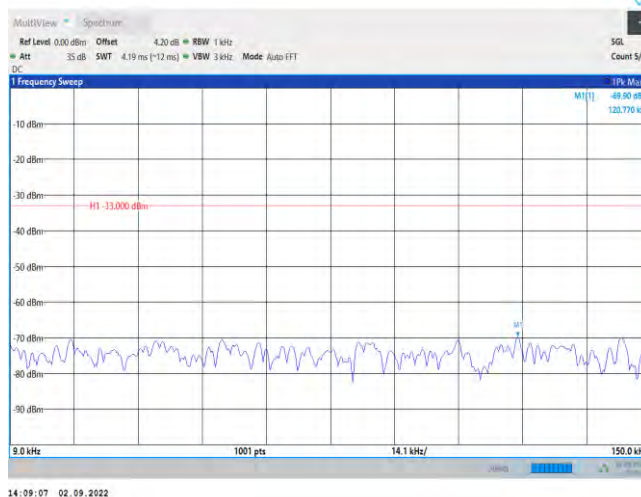
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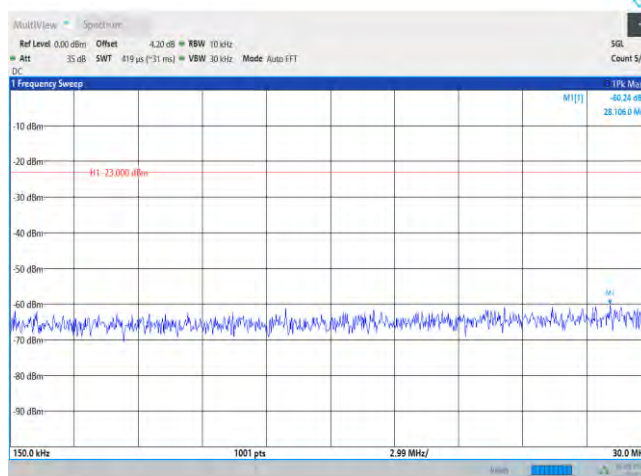
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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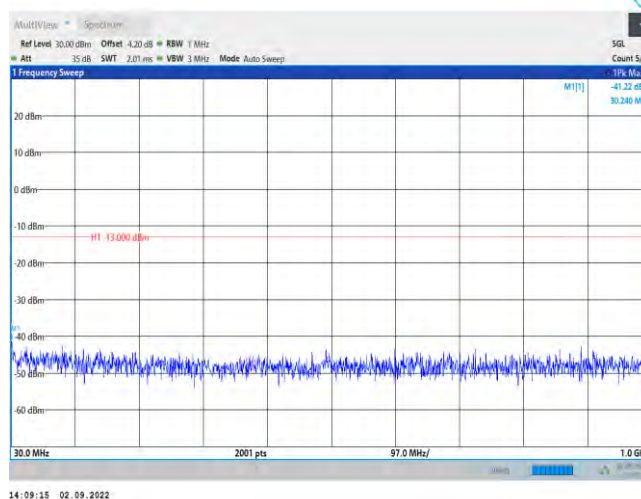
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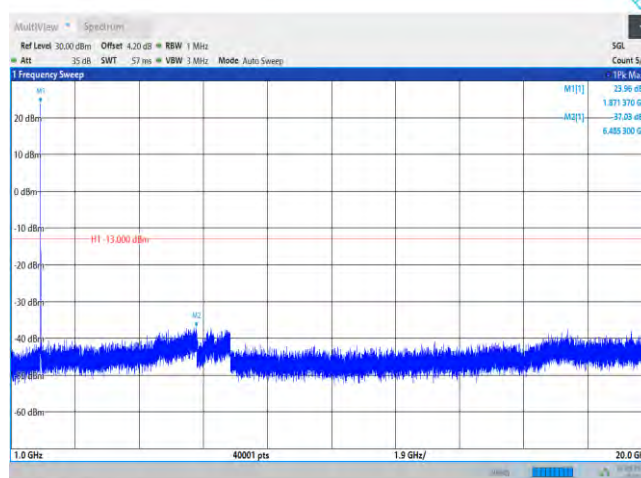
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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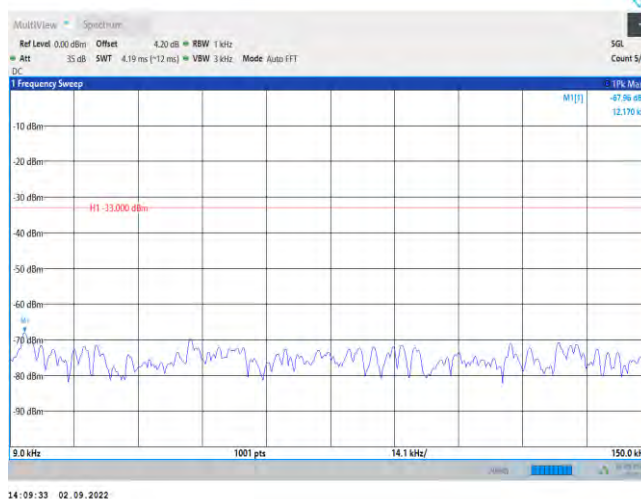
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Report No.: SEWA2204000009RG01

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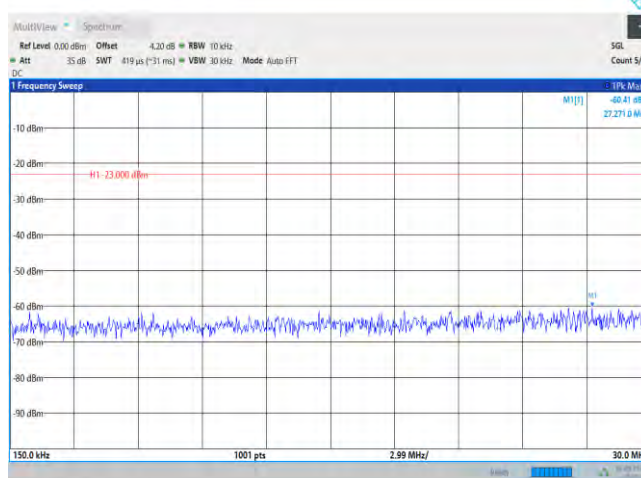
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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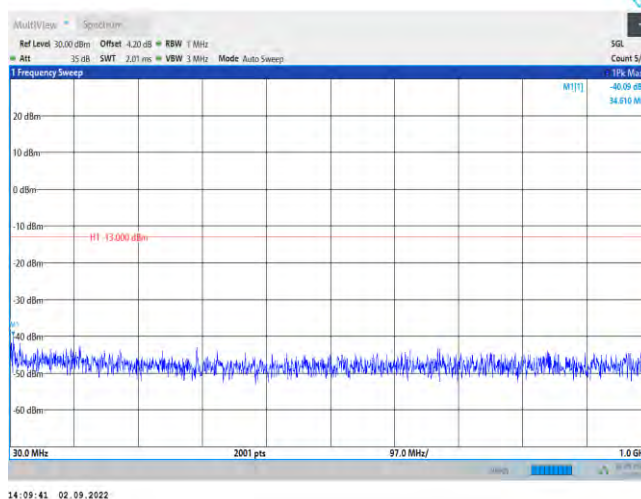
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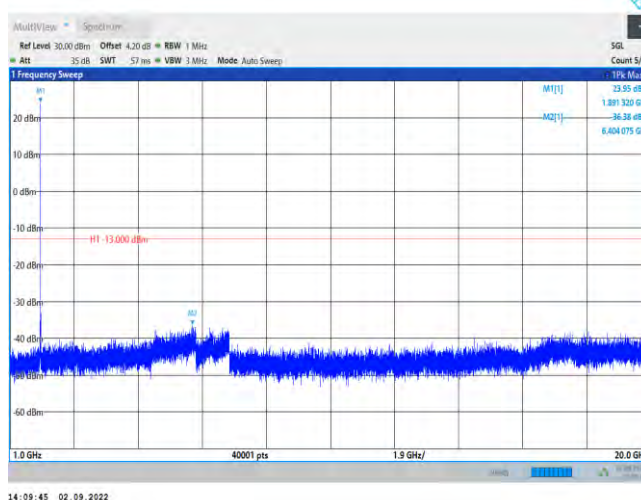
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 2_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	48.12	-45.69	29.89	-62.95	-13.00	49.95	142	26	Horizontal
2	5553.27	50.30	-43.87	32.77	-56.06	-13.00	43.06	265	216	Horizontal
3	7404.36	48.92	-41.96	36.44	-51.86	-13.00	38.86	210	204	Horizontal
4	9255.45	46.73	-38.39	38.57	-48.35	-13.00	35.35	146	338	Horizontal
5	11106.54	42.34	-35.35	39.49	-48.78	-13.00	35.78	296	86	Horizontal
6	12957.63	42.96	-34.89	39.56	-47.64	-13.00	34.64	201	156	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	3702.18	48.41	-45.69	29.89	-62.66	-13.00	49.66	142	14	Vertical
2	5553.27	50.35	-43.87	32.77	-56.01	-13.00	43.01	265	360	Vertical
3	7404.36	47.98	-41.96	36.44	-52.80	-13.00	39.80	287	240	Vertical
4	9255.45	45.70	-38.39	38.57	-49.38	-13.00	36.38	122	360	Vertical
5	11106.54	42.24	-35.35	39.49	-48.88	-13.00	35.88	263	275	Vertical
6	12957.63	42.87	-34.89	39.56	-47.73	-13.00	34.73	201	215	Vertical



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Test Band = LTE Band 2_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	49.69	-45.59	29.98	-61.17	-13.00	48.17	142	289	Horizontal
2	5613.27	50.54	-43.84	32.96	-55.60	-13.00	42.60	265	359	Horizontal
3	7484.36	48.88	-41.66	36.49	-51.55	-13.00	38.55	284	73	Horizontal
4	9355.45	47.46	-38.26	38.56	-47.50	-13.00	34.50	176	336	Horizontal
5	11226.54	43.77	-35.07	39.37	-47.18	-13.00	34.18	230	193	Horizontal
6	13097.63	42.44	-34.47	39.66	-47.63	-13.00	34.63	241	147	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	3742.18	49.24	-45.59	29.98	-61.62	-13.00	48.62	196	3	Vertical
2	5613.27	49.49	-43.84	32.96	-56.65	-13.00	43.65	265	181	Vertical
3	7484.36	48.17	-41.66	36.49	-52.26	-13.00	39.26	241	275	Vertical
4	9355.45	46.14	-38.26	38.56	-48.82	-13.00	35.82	175	72	Vertical
5	11226.54	42.47	-35.07	39.37	-48.48	-13.00	35.48	203	360	Vertical
6	13097.63	42.65	-34.47	39.66	-47.42	-13.00	34.42	211	49	Vertical



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Test Band = LTE Band 2_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	50.53	-45.48	30.08	-60.13	-13.00	47.13	142	216	Horizontal
2	5673.27	49.37	-43.77	33.16	-56.51	-13.00	43.51	265	24	Horizontal
3	7564.36	47.87	-41.38	36.63	-52.14	-13.00	39.14	201	323	Horizontal
4	9455.45	44.68	-38.15	38.55	-50.18	-13.00	37.18	133	3	Horizontal
5	11346.54	43.21	-35.43	39.25	-48.23	-13.00	35.23	269	145	Horizontal
6	13237.63	43.03	-34.98	39.74	-47.46	-13.00	34.46	241	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	3782.18	49.98	-45.48	30.08	-60.68	-13.00	47.68	265	314	Vertical
2	5673.27	49.67	-43.77	33.16	-56.21	-13.00	43.21	263	217	Vertical
3	7564.36	47.74	-41.38	36.63	-52.27	-13.00	39.27	254	360	Vertical
4	9455.45	46.12	-38.15	38.55	-48.74	-13.00	35.74	174	62	Vertical
5	11346.54	42.50	-35.43	39.25	-48.94	-13.00	35.94	152	253	Vertical
6	13237.63	44.48	-34.98	39.74	-46.01	-13.00	33.01	263	97	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	5.10	0.002713	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.10	-0.001649	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-4.10	-0.002181	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-6.00	-0.003191	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-6.20	-0.003298	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-4.20	-0.002234	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.00	-0.000532	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	3.60	0.001915	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-2.90	-0.001543	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	6.10	0.003245	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	3.90	0.002074	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	5.20	0.002766	PASS

---End of Attachment---



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