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Appendix B.14

LTE Band 42 (3450-3550)



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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
Band42	5MHz	QPSK	42115	1RB#0	22.79	27.09	30	PASS
Band42	5MHz	QPSK	42115	1RB#12	22.58	26.88	30	PASS
Band42	5MHz	QPSK	42115	1RB#24	22.63	26.93	30	PASS
Band42	5MHz	QPSK	42115	25RB#0	21.63	25.93	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	22.49	26.79	30	PASS
Band42	5MHz	QPSK	42590	1RB#12	22.6	26.9	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	22.58	26.88	30	PASS
Band42	5MHz	QPSK	42590	25RB#0	21.54	25.84	30	PASS
Band42	5MHz	QPSK	43065	1RB#0	22.78	27.08	30	PASS
Band42	5MHz	QPSK	43065	1RB#12	22.61	26.91	30	PASS
Band42	5MHz	QPSK	43065	1RB#24	22.74	27.04	30	PASS
Band42	5MHz	QPSK	43065	25RB#0	21.79	26.09	30	PASS
Band42	5MHz	16QAM	42115	1RB#0	21.78	26.08	30	PASS
Band42	5MHz	16QAM	42115	1RB#12	21.75	26.05	30	PASS
Band42	5MHz	16QAM	42115	1RB#24	21.7	26	30	PASS
Band42	5MHz	16QAM	42115	25RB#0	20.63	24.93	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	21.55	25.85	30	PASS
Band42	5MHz	16QAM	42590	1RB#12	21.37	25.67	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	21.61	25.91	30	PASS
Band42	5MHz	16QAM	42590	25RB#0	20.61	24.91	30	PASS
Band42	5MHz	16QAM	43065	1RB#0	21.82	26.12	30	PASS
Band42	5MHz	16QAM	43065	1RB#12	21.83	26.13	30	PASS
Band42	5MHz	16QAM	43065	1RB#24	21.83	26.13	30	PASS
Band42	5MHz	16QAM	43065	25RB#0	20.88	25.18	30	PASS
Band42	5MHz	64QAM	42115	1RB#0	20.85	25.15	30	PASS
Band42	5MHz	64QAM	42115	1RB#12	20.86	25.16	30	PASS
Band42	5MHz	64QAM	42115	1RB#24	20.75	25.05	30	PASS



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Band42	5MHz	64QAM	42115	25RB#0	19.66	23.96	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	20.13	24.43	30	PASS
Band42	5MHz	64QAM	42590	1RB#12	20.06	24.36	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	20.7	25	30	PASS
Band42	5MHz	64QAM	42590	25RB#0	19.67	23.97	30	PASS
Band42	5MHz	64QAM	43065	1RB#0	20.94	25.24	30	PASS
Band42	5MHz	64QAM	43065	1RB#12	20.97	25.27	30	PASS
Band42	5MHz	64QAM	43065	1RB#24	20.87	25.17	30	PASS
Band42	5MHz	64QAM	43065	25RB#0	19.83	24.13	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	22.66	26.96	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	22.57	26.87	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	22.61	26.91	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	21.72	26.02	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	22.44	26.74	30	PASS
Band42	10MHz	QPSK	42590	1RB#24	22.42	26.72	30	PASS
Band42	10MHz	QPSK	42590	1RB#49	22.52	26.82	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	21.76	26.06	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	22.7	27	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	22.69	26.99	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	22.74	27.04	30	PASS
Band42	10MHz	QPSK	43040	50RB#0	22	26.3	30	PASS
Band42	10MHz	16QAM	42140	1RB#0	21.81	26.11	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	21.79	26.09	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	21.71	26.01	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	20.83	25.13	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	21.6	25.9	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	21.68	25.98	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	21.67	25.97	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	20.78	25.08	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	21.87	26.17	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	21.87	26.17	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	21.87	26.17	30	PASS



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Band42	10MHz	64QAM	42140	1RB#0	20.74	25.04	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	20.69	24.99	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	20.55	24.85	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	19.79	24.09	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	20.55	24.85	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	20.58	24.88	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	20.56	24.86	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	19.79	24.09	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	20.78	25.08	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	20.8	25.1	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	20.75	25.05	30	PASS
Band42	10MHz	64QAM	43040	50RB#0	20.03	24.33	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	22.65	26.95	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	22.69	26.99	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	22.63	26.93	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	21.71	26.01	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	22.49	26.79	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	22.57	26.87	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	22.57	26.87	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	21.58	25.88	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	22.71	27.01	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	22.83	27.13	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	22.83	27.13	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	21.87	26.17	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	21.97	26.27	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	21.94	26.24	30	PASS
Band42	15MHz	16QAM	42165	1RB#74	21.96	26.26	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	20.81	25.11	30	PASS
Band42	15MHz	16QAM	42590	1RB#0	21.77	26.07	30	PASS
Band42	15MHz	16QAM	42590	1RB#38	21.87	26.17	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	21.93	26.23	30	PASS



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Band42	15MHz	16QAM	43015	1RB#0	22.01	26.31	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	22.02	26.32	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	22.14	26.44	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	20.95	25.25	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	20.71	25.01	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	20.75	25.05	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	20.65	24.95	30	PASS
Band42	15MHz	64QAM	42165	75RB#0	19.61	23.91	30	PASS
Band42	15MHz	64QAM	42590	1RB#0	20.38	24.68	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	20.64	24.94	30	PASS
Band42	15MHz	64QAM	42590	1RB#74	20.61	24.91	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	19.76	24.06	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	20.68	24.98	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	20.82	25.12	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	20.81	25.11	30	PASS
Band42	15MHz	64QAM	43015	75RB#0	19.95	24.25	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	22.63	26.93	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	22.63	26.93	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	22.62	26.92	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	21.76	26.06	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	22.46	26.76	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	22.51	26.81	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	22.62	26.92	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	21.67	25.97	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	22.69	26.99	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	22.76	27.06	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	22.83	27.13	30	PASS
Band42	20MHz	QPSK	42990	100RB#0	21.97	26.27	30	PASS
Band42	20MHz	16QAM	42190	1RB#0	21.92	26.22	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	21.85	26.15	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	21.88	26.18	30	PASS



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Band42	20MHz	16QAM	42590	1RB#0	21.75	26.05	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	21.79	26.09	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	21.88	26.18	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	20.81	25.11	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	21.91	26.21	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	22.02	26.32	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	22.1	26.4	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	20.96	25.26	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	20.7	25	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	20.65	24.95	30	PASS
Band42	20MHz	64QAM	42190	1RB#99	20.6	24.9	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	19.91	24.21	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	20.49	24.79	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	20.58	24.88	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	20.56	24.86	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	19.83	24.13	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	20.7	25	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	20.78	25.08	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	20.8	25.1	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	20.05	24.35	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band42	20MHz	QPSK	42190	100RB#0	8.64	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	8.74	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	8.88	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	9.64	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	9.66	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	9.88	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	10.00	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	10.24	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	10.02	13	PASS



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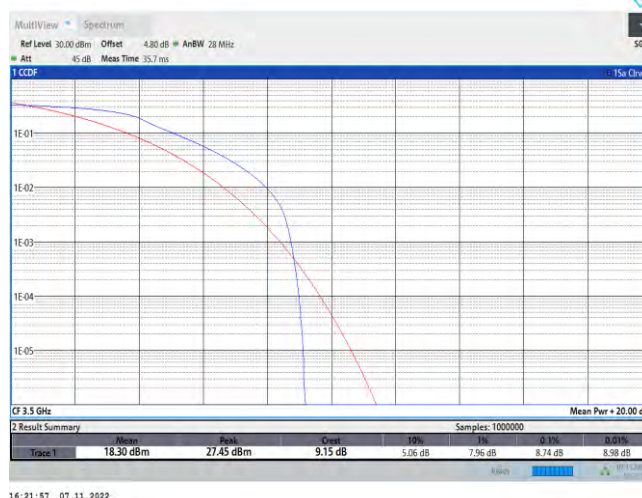
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Test Graphs

Band42-20MHz-QPSK-42190-100RB#0



Band42-20MHz-QPSK-42590-100RB#0



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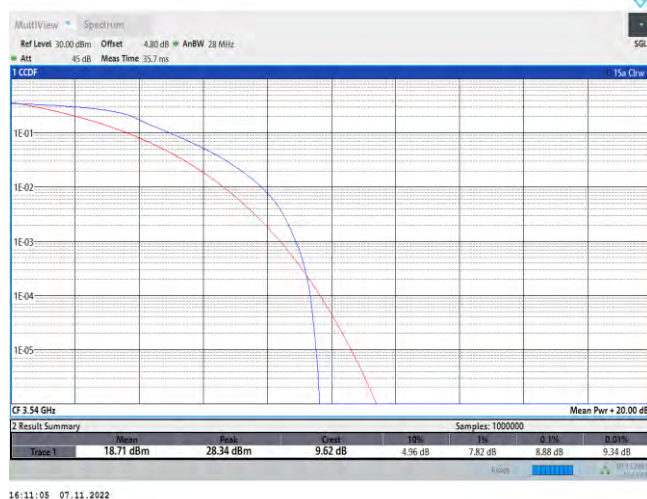
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Band42-20MHz-QPSK-42990-100RB#0



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Band42-20MHz-16QAM-42190-100RB#0



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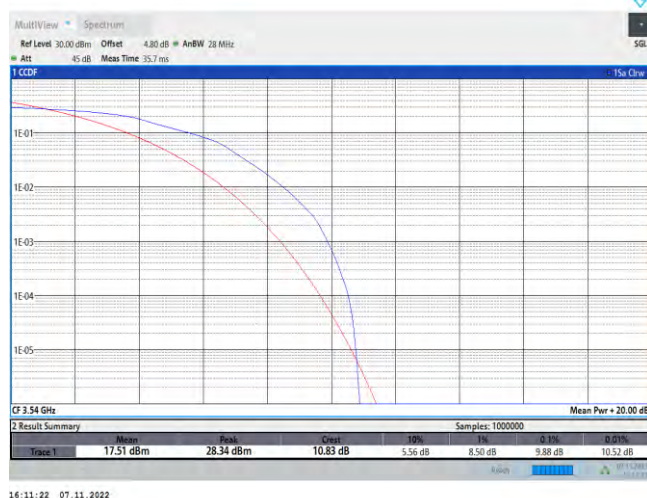
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Band42-20MHz-16QAM-42590-100RB#0



Band42-20MHz-16QAM-42990-100RB#0



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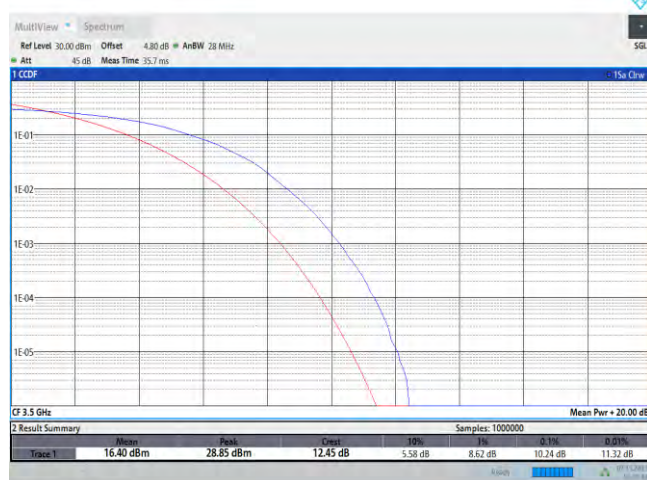
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Band42-20MHz-64QAM-42190-100RB#0



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Band42-20MHz-64QAM-42590-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band42	20MHz	QPSK	42590	100RB#0	PASS	PASS
Band42	20MHz	16QAM	42590	100RB#0	PASS	PASS
Band42	20MHz	64QAM	42590	100RB#0	PASS	PASS



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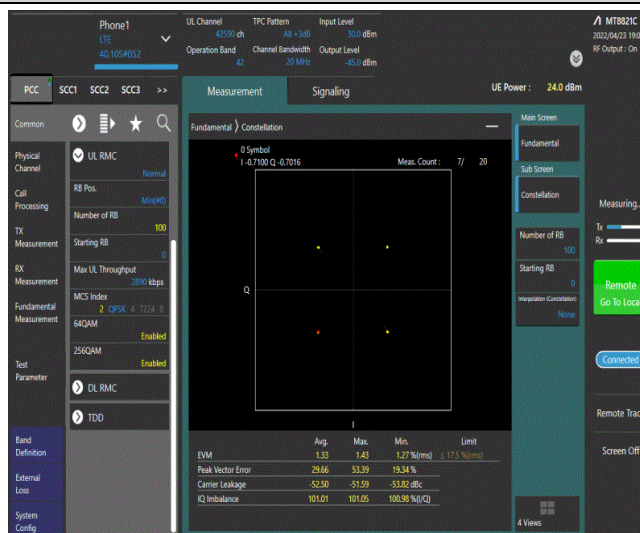
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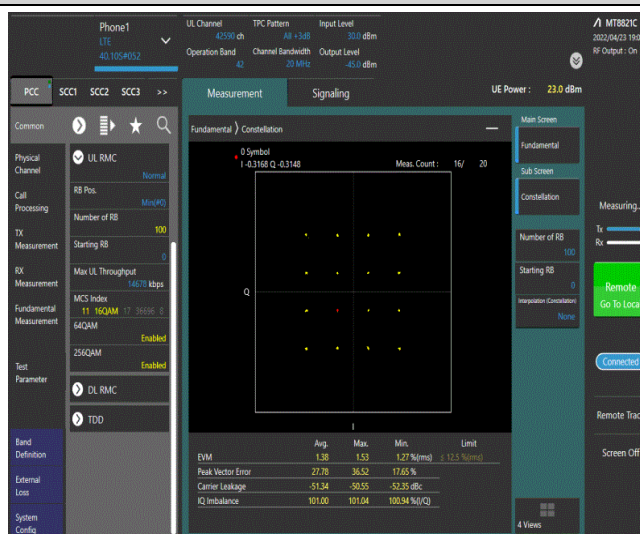
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Test Graphs

Band42-20MHz-QPSK-42590-100RB#0



Band42-20MHz-16QAM-42590-100RB#0



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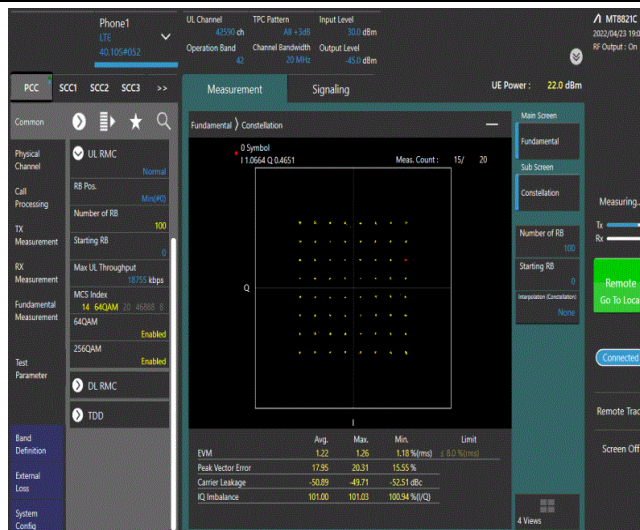
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	42115	25RB#0	4.498	4.96	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.496	4.95	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.493	4.95	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.495	4.98	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.492	4.98	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.492	4.98	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.501	4.95	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.502	4.94	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.499	4.94	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.986	9.90	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.964	9.93	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.977	9.93	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.953	9.80	PASS
Band42	10MHz	16QAM	42590	50RB#0	8.973	9.83	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.977	9.83	PASS
Band42	10MHz	64QAM	42140	50RB#0	8.989	9.90	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.979	9.90	PASS
Band42	10MHz	64QAM	43040	50RB#0	8.994	9.87	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.498	14.80	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.51	14.90	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.485	14.80	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.477	14.85	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.485	14.85	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.458	14.85	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.437	14.80	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.457	14.90	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.457	14.80	PASS
Band42	20MHz	QPSK	42190	100RB#0	18.055	19.87	PASS
Band42	20MHz	QPSK	42590	100RB#0	18.059	19.73	PASS
Band42	20MHz	QPSK	42990	100RB#0	18.046	19.87	PASS
Band42	20MHz	16QAM	42190	100RB#0	17.979	19.87	PASS



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Band42	20MHz	16QAM	42990	100RB#0	17.977	19.80	PASS
Band42	20MHz	64QAM	42190	100RB#0	17.975	19.87	PASS
Band42	20MHz	64QAM	42590	100RB#0	18.012	19.80	PASS
Band42	20MHz	64QAM	42990	100RB#0	17.996	19.87	PASS



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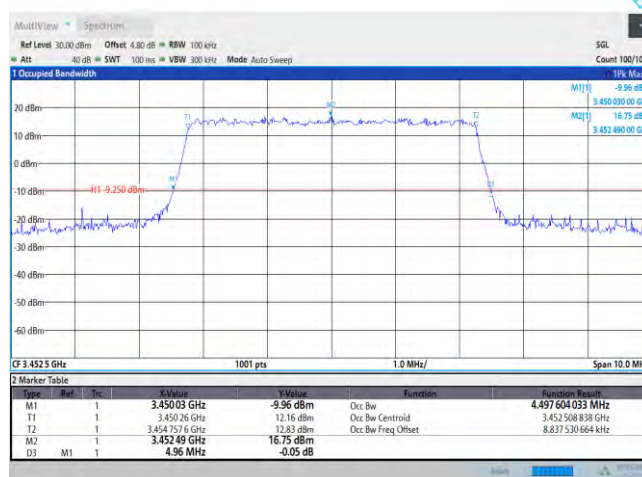
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Test Graphs

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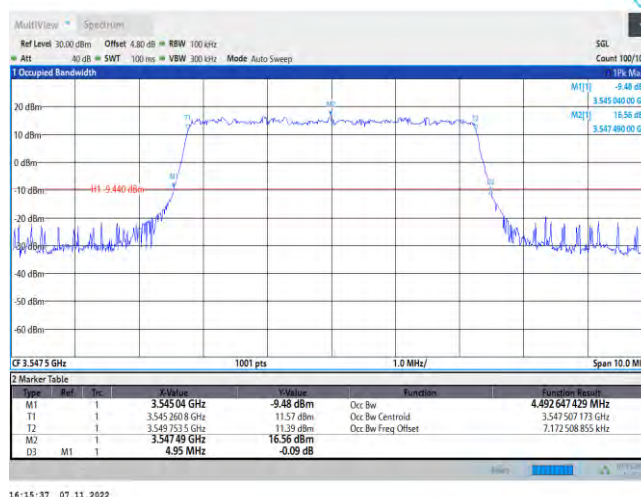
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Band42-5MHz-16QAM-42115-25RB#0



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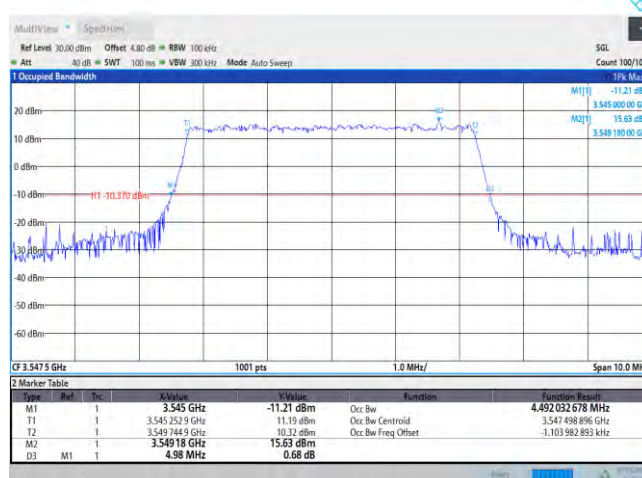
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Band42-5MHz-16QAM-43065-25RB#0



16:16:00 07.11.2022



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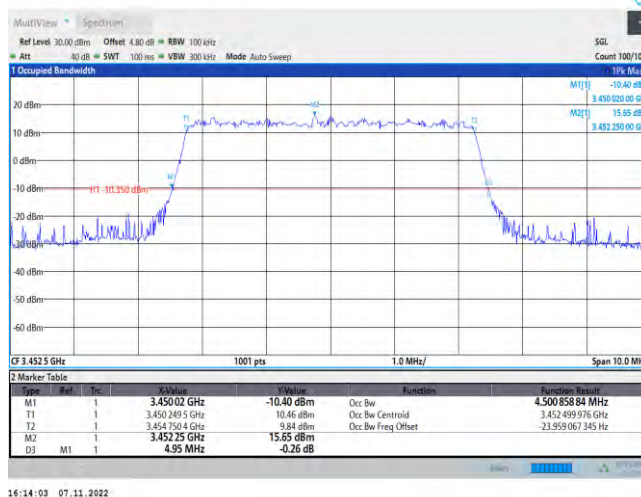
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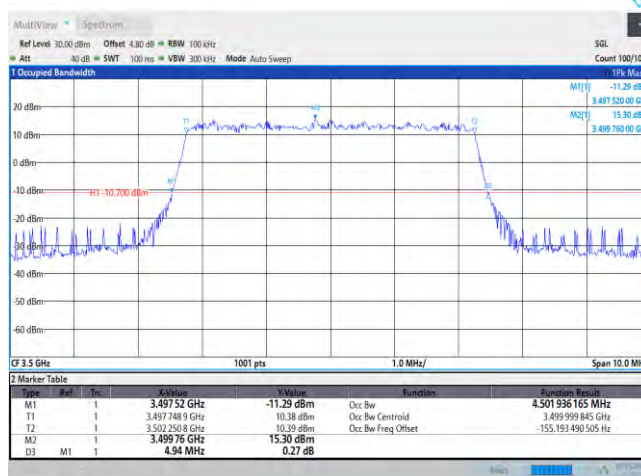
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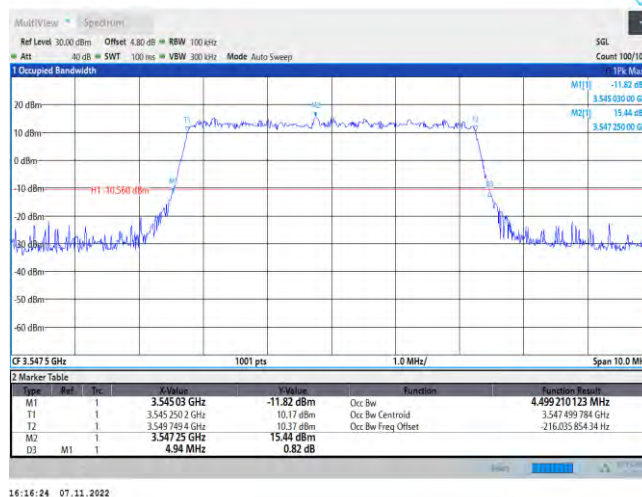
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Band42-10MHz-QPSK-42140-50RB#0



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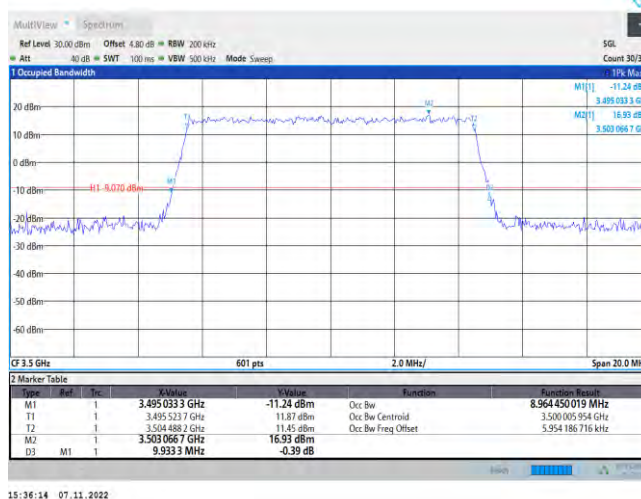
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Band42-10MHz-QPSK-43040-50RB#0



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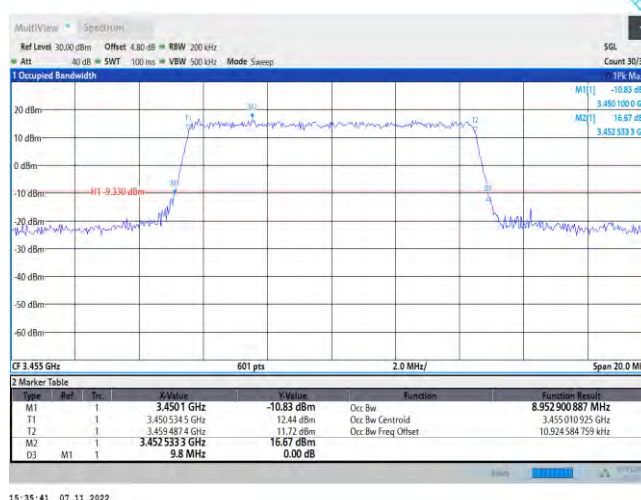
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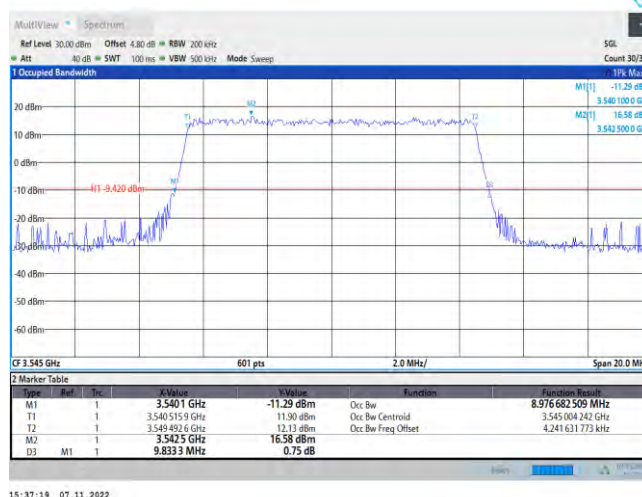
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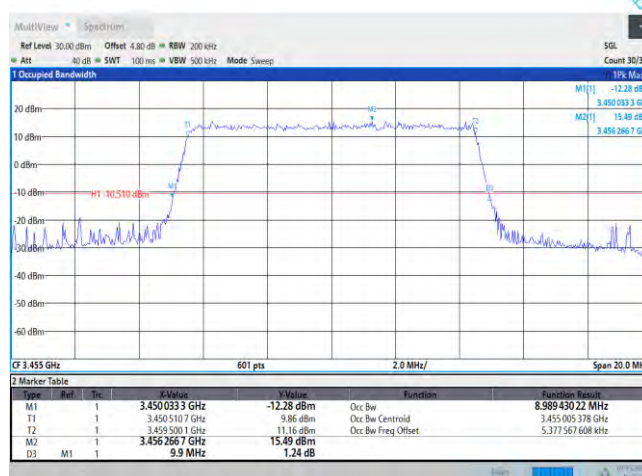
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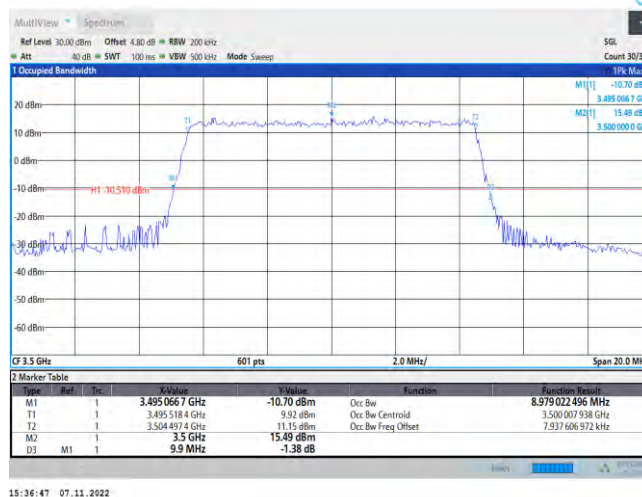
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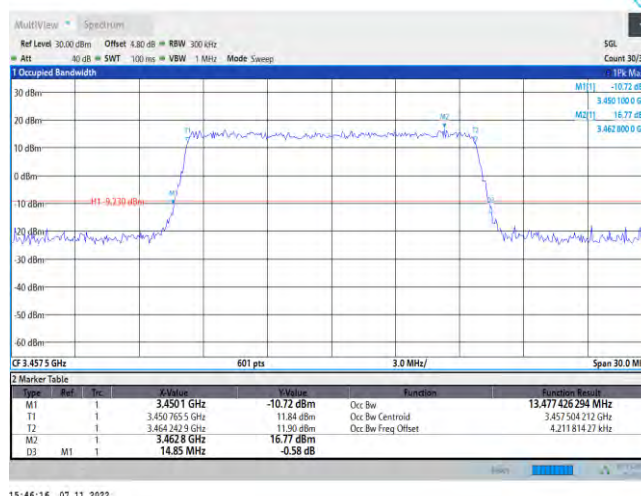
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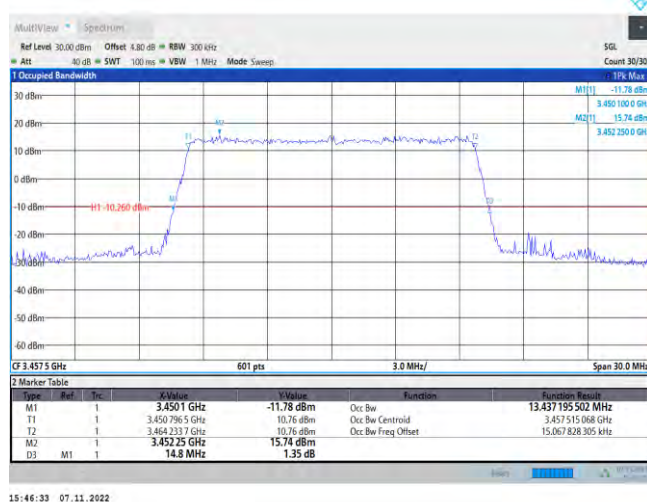
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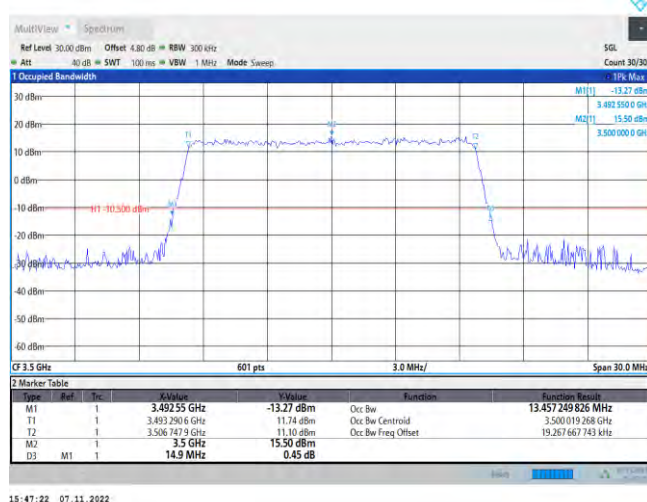
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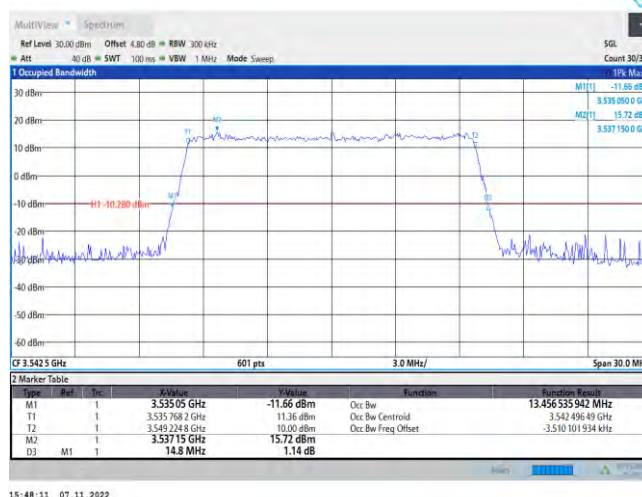
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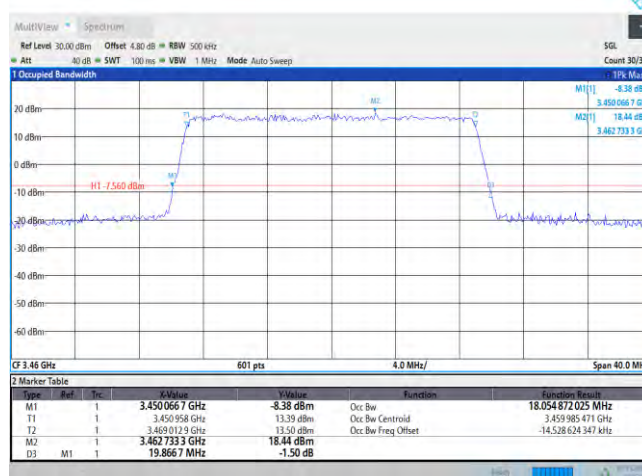
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Band42-20MHz-QPSK-42590-100RB#0



Band42-20MHz-QPSK-42990-100RB#0



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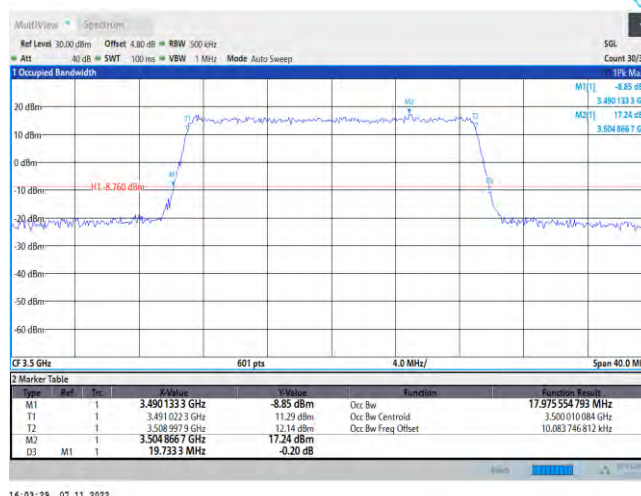
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Band42-20MHz-16QAM-42190-100RB#0



Band42-20MHz-16QAM-42590-100RB#0



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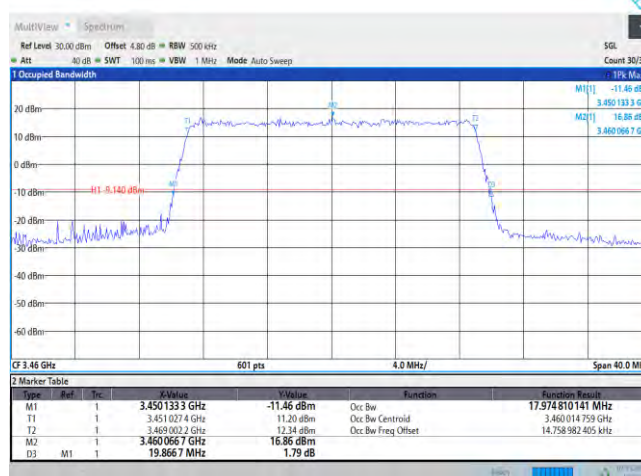
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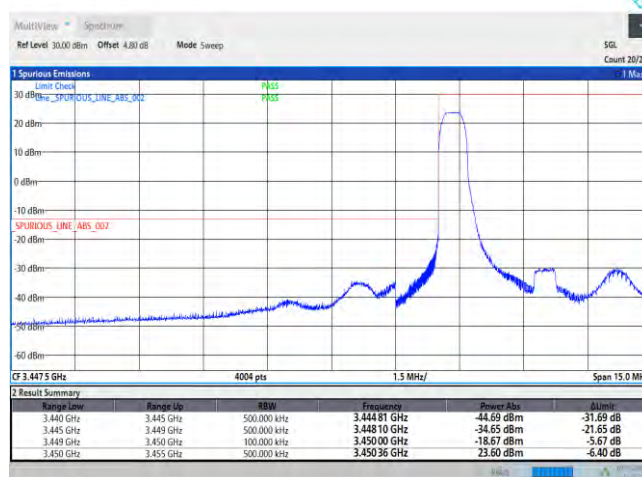
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Band Edge

Test Graphs

Band42-5MHz-QPSK-42115-1RB#0



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Band42-5MHz-QPSK-42115-25RB#0



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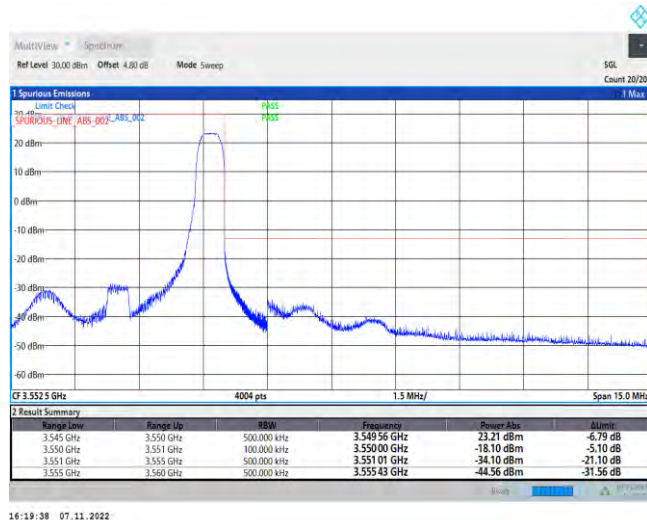
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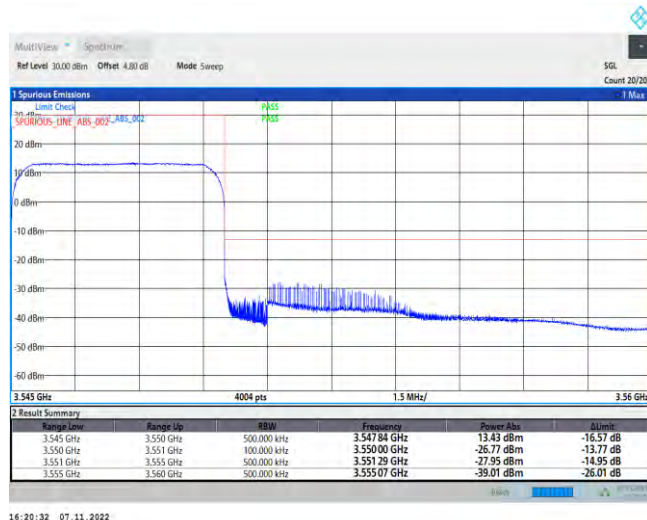
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Band42-5MHz-QPSK-43065-1RB#24



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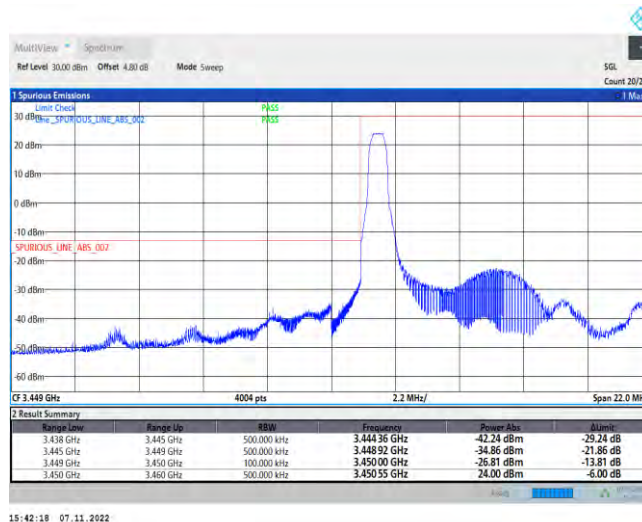
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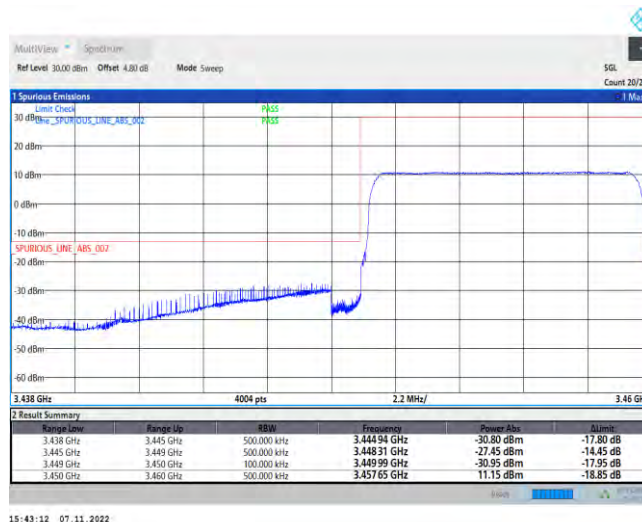
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Band42-10MHz-QPSK-42140-1RB#0



Band42-10MHz-QPSK-42140-50RB#0



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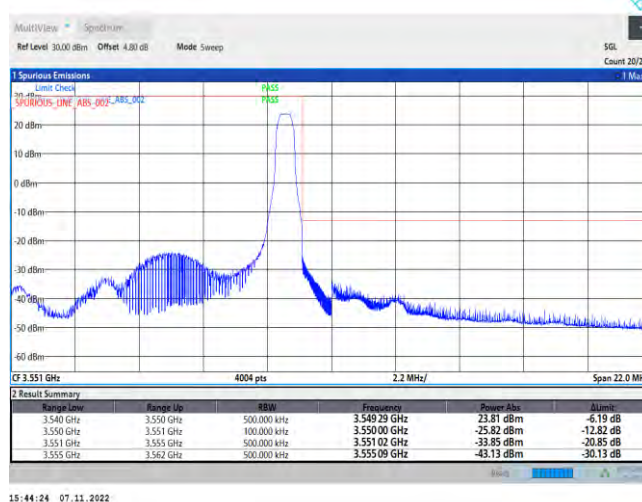
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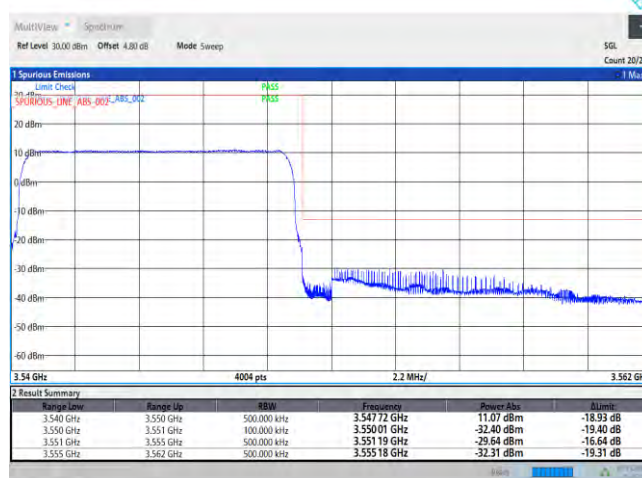
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Band42-10MHz-QPSK-43040-1RB#49



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Band42-10MHz-QPSK-43040-50RB#0



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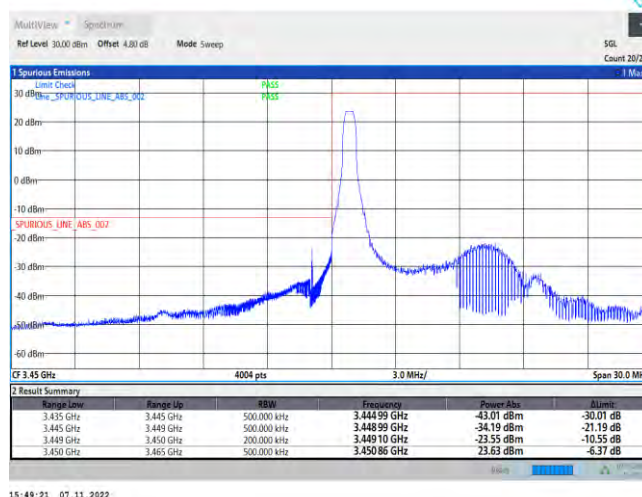
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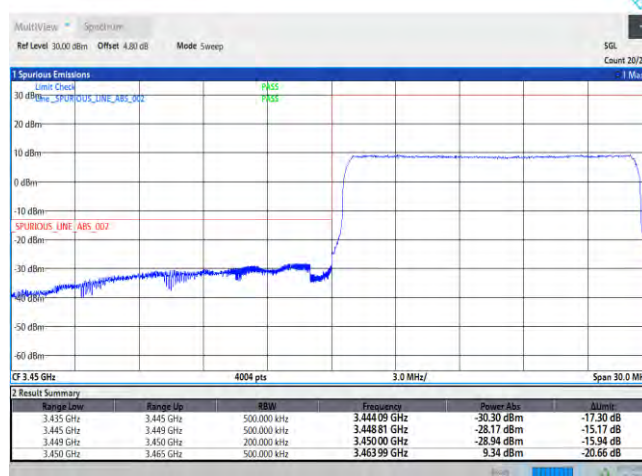
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Band42-15MHz-QPSK-42165-1RB#0



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Band42-15MHz-QPSK-42165-75RB#0



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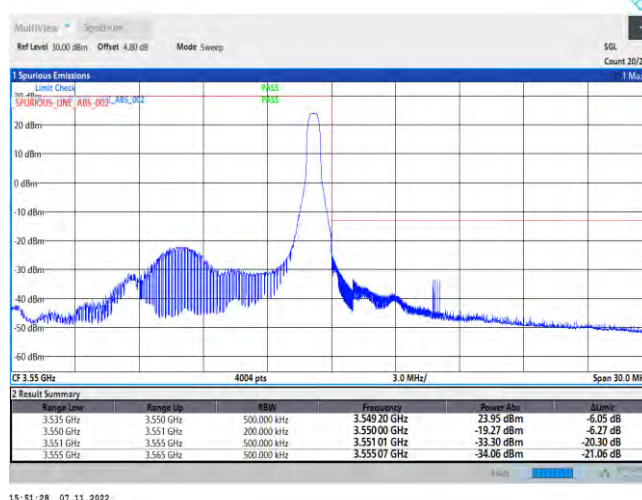
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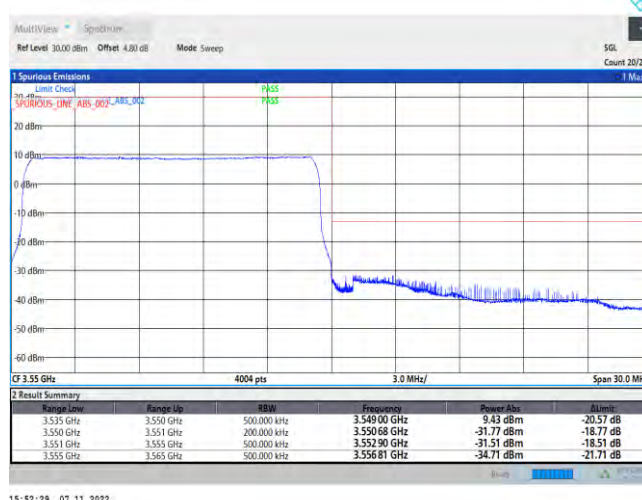
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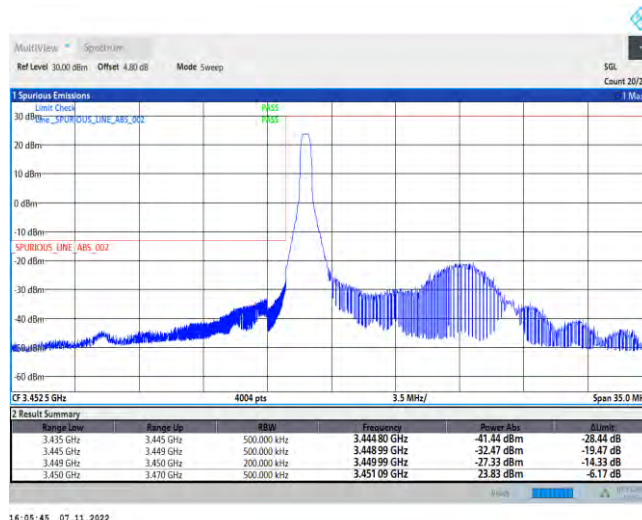
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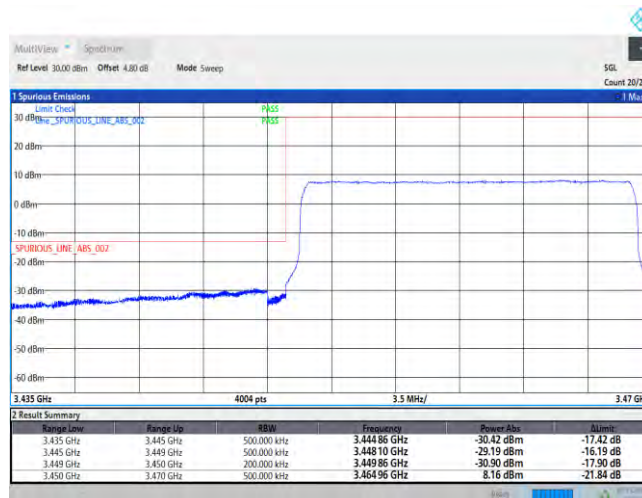
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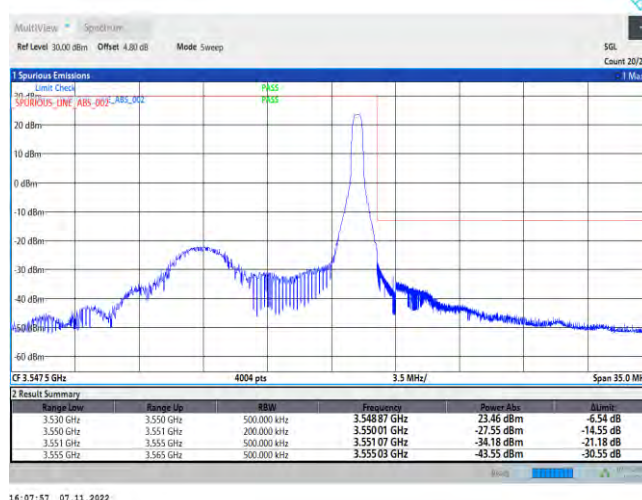
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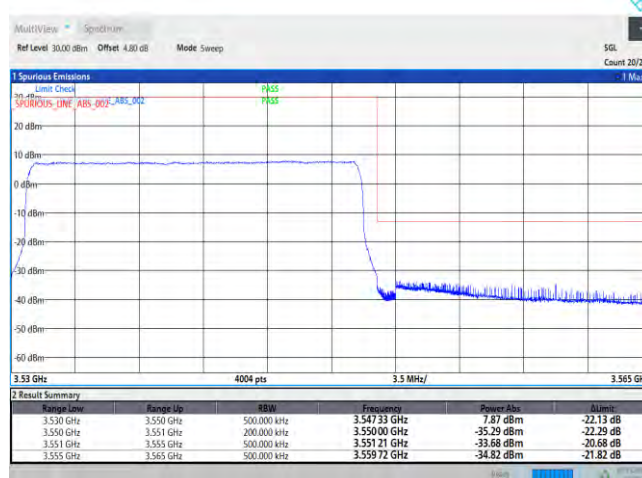
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Band42-20MHz-QPSK-42990-1RB#99



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Band42-20MHz-QPSK-42990-100RB#0



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Report No.: SEWA2204000009RG01

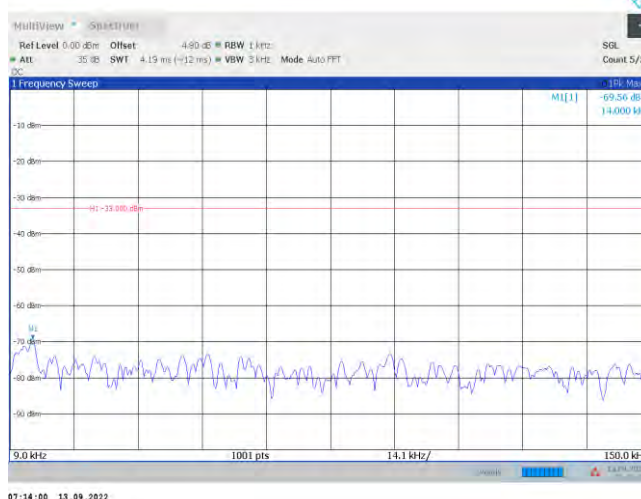
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Conducted Spurious Emission

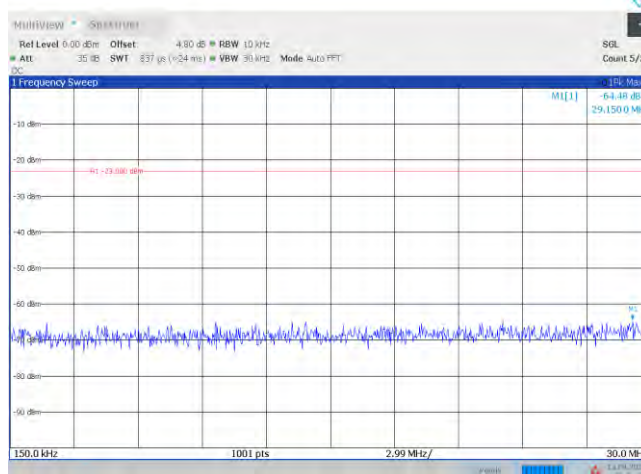
Test Graphs

Band42-20MHz-QPSK-42190-1RB#0-Range1:0.009~0.15MHz



07:14:00 13.09.2022

Band42-20MHz-QPSK-42190-1RB#0-Range2:0.15~30MHz



07:14:04 13.09.2022



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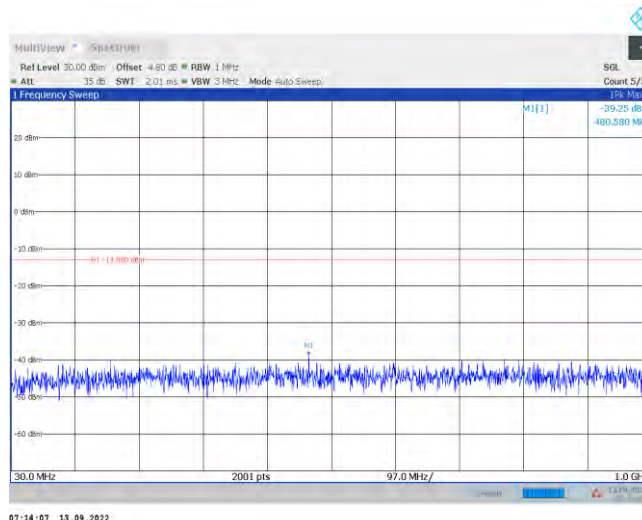
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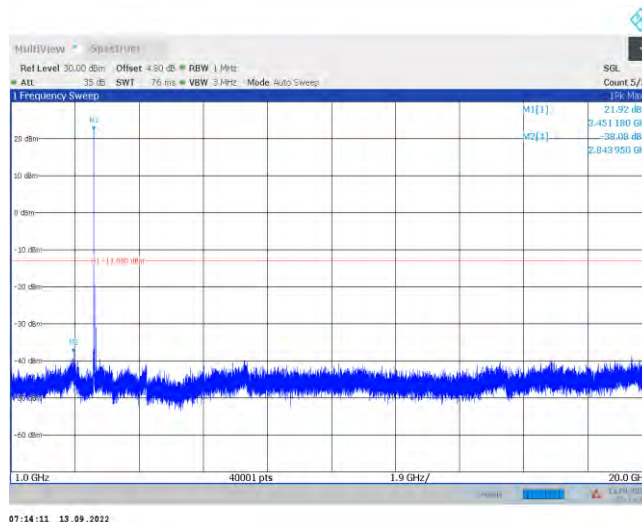
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



Band42-20MHz-QPSK-42190-1RB#0-Range4:1000~20000MHz



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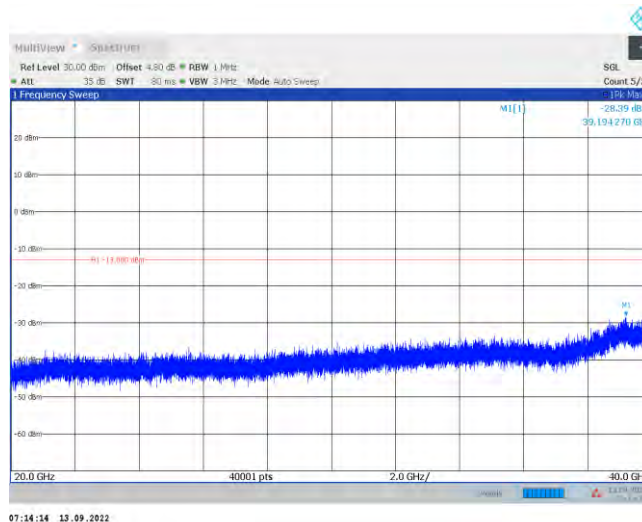
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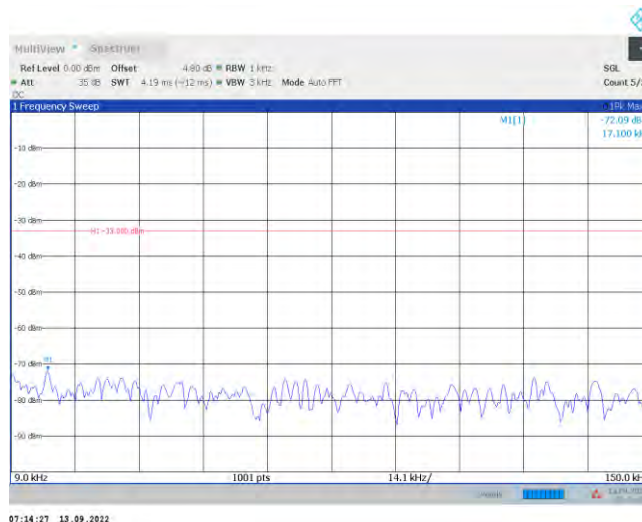
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



Band42-20MHz-QPSK-42590-1RB#0-Range1:0.009~0.15MHz



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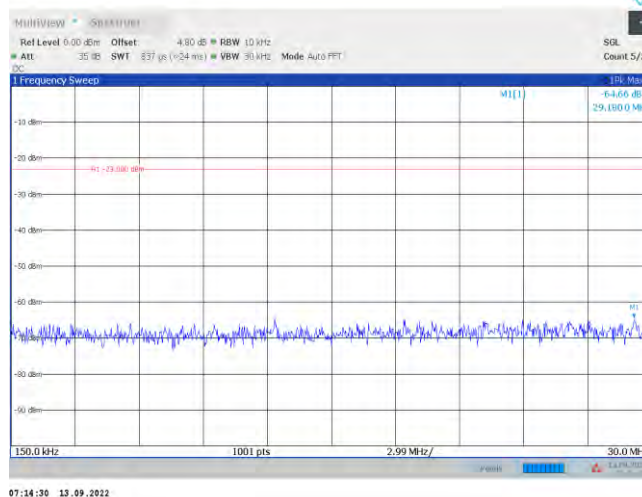
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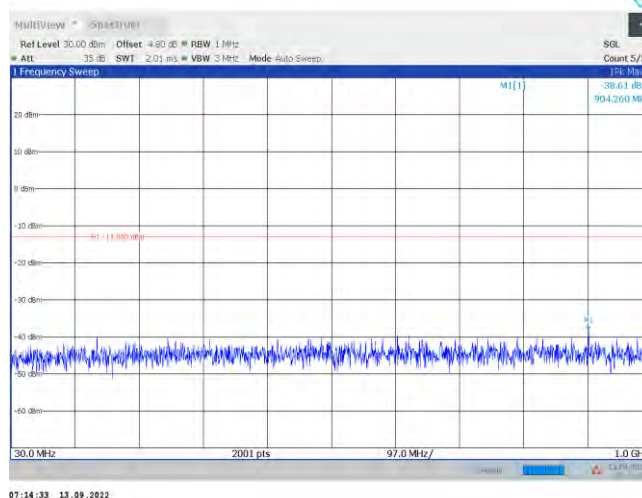
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



Band42-20MHz-QPSK-42590-1RB#0-Range3:30~1000MHz



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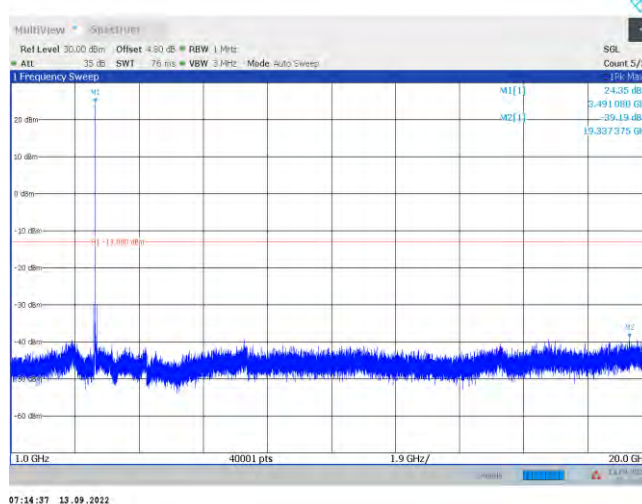
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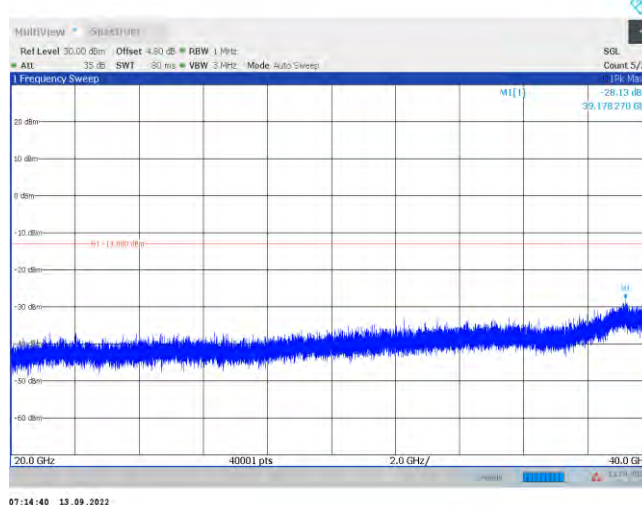
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



Band42-20MHz-QPSK-42590-1RB#0-Range5:20000~40000MHz



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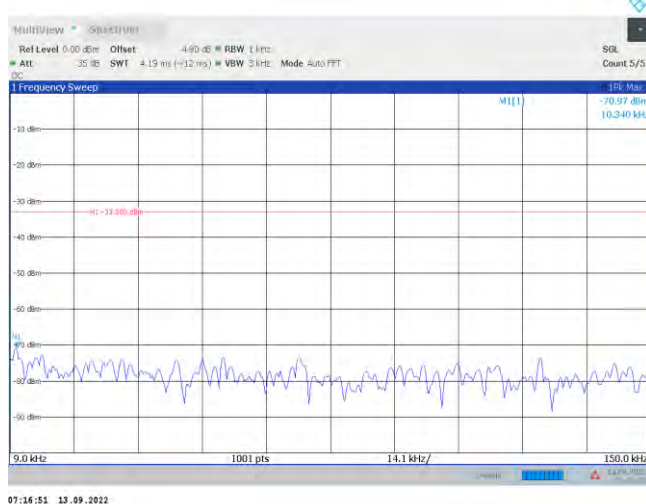
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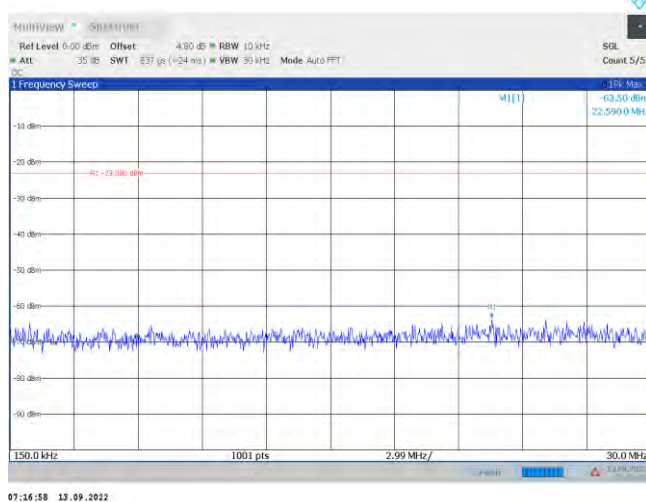
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Band42-20MHz-QPSK-42990-1RB#0-0.009~0.15MHz



Band42-20MHz-QPSK-42990-1RB#0-0.15~30MHz



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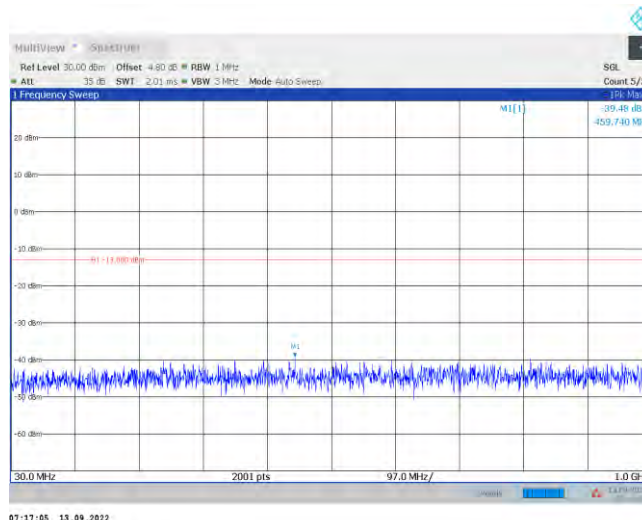
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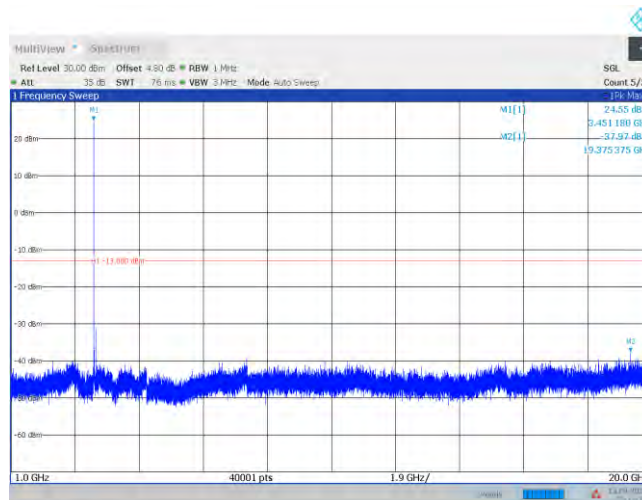
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-30~1000MHz



07:17:05 13.09.2022

Band42-20MHz-QPSK-42990-1RB#0-1000~20000MHz



07:17:12 13.09.2022



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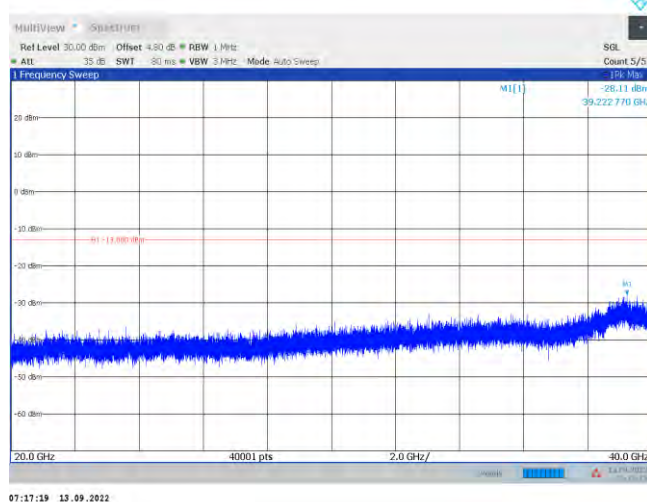
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Field Strength of Spurious Radiation

Test Band = LTE Band 42 3450M-3550M_ 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	6902.18	48.68	-42.15	36.00	-52.72	-30.00	22.72	142	184	Horizontal
2	9295.2667	49.54	-38.38	38.57	-45.53	-30.00	15.53	265	138	Horizontal
3	10353.27	44.43	-36.67	38.89	-48.61	-30.00	18.61	284	78	Horizontal
4	13050.0667	46.95	-34.74	39.63	-43.42	-30.00	13.42	175	200	Horizontal
5	13804.36	43.47	-35.30	40.08	-47.01	-30.00	17.01	263	359	Horizontal
6	17255.45	42.37	-31.86	39.62	-45.13	-30.00	15.13	201	107	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	5902.1333	52.98	-43.03	33.89	-51.43	-30.00	21.43	142	18	Vertical
2	6902.18	48.28	-42.15	36.00	-53.12	-30.00	23.12	263	202	Vertical
3	9228.0667	49.64	-38.27	38.58	-45.31	-30.00	15.31	263	80	Vertical
4	10353.27	44.53	-36.67	38.89	-48.51	-30.00	18.51	221	247	Vertical
5	13804.36	44.67	-35.30	40.08	-45.81	-30.00	15.81	142	360	Vertical
6	17255.45	41.62	-31.86	39.62	-45.88	-30.00	15.88	214	360	Vertical



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Test Band = LTE Band 42 3450M-3550M_ 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	7032.18	48.69	-42.37	36.22	-52.72	-30.00	22.72	163	360	Horizontal
2	9161.8	49.85	-38.40	38.58	-45.23	-30.00	15.23	254	92	Horizontal
3	10548.27	44.39	-36.28	39.10	-48.05	-30.00	18.05	174	287	Horizontal
4	12592.7333	46.67	-34.57	39.19	-43.96	-30.00	13.96	185	257	Horizontal
5	14064.36	42.93	-34.97	40.14	-47.17	-30.00	17.17	263	318	Horizontal
6	17580.45	43.65	-31.89	40.92	-42.58	-30.00	12.58	255	137	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	6017.4	53.34	-42.67	34.23	-50.35	-30.00	20.35	142	181	Vertical
2	7032.18	48.75	-42.37	36.22	-52.66	-30.00	22.66	286	120	Vertical
3	9194.9333	48.45	-38.24	38.58	-46.47	-30.00	16.47	263	62	Vertical
4	10548.27	44.68	-36.28	39.10	-47.76	-30.00	17.76	265	76	Vertical
5	14064.36	42.63	-34.97	40.14	-47.47	-30.00	17.47	241	136	Vertical
6	17580.45	41.55	-31.89	40.92	-44.68	-30.00	14.68	152	332	Vertical



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Test Band = LTE Band 42 3450M-3550M_ 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	7162.18	49.15	-42.17	36.30	-51.98	-30.00	21.98	142	31	Horizontal
2	9248.6	50.11	-38.30	38.58	-44.88	-30.00	14.88	265	212	Horizontal
3	10743.27	44.22	-35.85	39.32	-47.58	-30.00	17.58	284	183	Horizontal
4	13104.6667	46.80	-34.62	39.66	-43.42	-30.00	13.42	174	106	Horizontal
5	14324.36	43.87	-34.90	39.88	-46.42	-30.00	16.42	156	359	Horizontal
6	17905.45	41.94	-31.19	42.22	-42.28	-30.00	12.28	201	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	6386.5333	52.96	-42.31	34.97	-49.64	-30.00	19.64	163	63	Vertical
2	7162.18	49.84	-42.17	36.30	-51.29	-30.00	21.29	265	33	Vertical
3	9215	50.61	-38.25	38.58	-44.32	-30.00	14.32	241	359	Vertical
4	10743.27	44.97	-35.85	39.32	-46.83	-30.00	16.83	178	3	Vertical
5	14324.36	44.48	-34.90	39.88	-45.81	-30.00	15.81	296	78	Vertical
6	17905.45	42.55	-31.19	42.22	-41.67	-30.00	11.67	241	215	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
Band42	20MHz	QPSK	42590	100RB#0	VL	NT	-21.00	-0.006000	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	-21.20	-0.006057	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	-20.40	-0.005829	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	-12.90	-0.003686	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	-21.90	-0.006257	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	-19.70	-0.005629	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	-17.80	-0.005086	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	-19.90	-0.005686	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	-21.50	-0.006143	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	-9.10	-0.002600	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	-22.90	-0.006543	PASS

---End of Attachment---



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