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Appendix B.15

LTE Band 42(3450-3550)



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Effective (Isotropic) Radiated Power Output Data**Test ResultAnt6**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	22.08	17.79	30	PASS
Band42	5MHz	QPSK	42115	1RB#12	22.16	17.87	30	PASS
Band42	5MHz	QPSK	42115	1RB#24	22.1	17.81	30	PASS
Band42	5MHz	QPSK	42115	25RB#0	21.07	16.78	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	22.31	18.02	30	PASS
Band42	5MHz	QPSK	42590	1RB#12	21.9	17.61	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	22.09	17.8	30	PASS
Band42	5MHz	QPSK	42590	25RB#0	20.94	16.65	30	PASS
Band42	5MHz	QPSK	43065	1RB#0	22.29	18	30	PASS
Band42	5MHz	QPSK	43065	1RB#12	21.86	17.57	30	PASS
Band42	5MHz	QPSK	43065	1RB#24	21.94	17.65	30	PASS
Band42	5MHz	QPSK	43065	25RB#0	20.71	16.42	30	PASS
Band42	5MHz	16QAM	42115	1RB#0	21.19	16.9	30	PASS
Band42	5MHz	16QAM	42115	1RB#12	21.08	16.79	30	PASS
Band42	5MHz	16QAM	42115	1RB#24	21.22	16.93	30	PASS
Band42	5MHz	16QAM	42115	25RB#0	20.26	15.97	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	21.1	16.81	30	PASS
Band42	5MHz	16QAM	42590	1RB#12	20.94	16.65	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	21.09	16.8	30	PASS
Band42	5MHz	16QAM	42590	25RB#0	20	15.71	30	PASS
Band42	5MHz	16QAM	43065	1RB#0	20.94	16.65	30	PASS
Band42	5MHz	16QAM	43065	1RB#12	21.02	16.73	30	PASS
Band42	5MHz	16QAM	43065	1RB#24	20.9	16.61	30	PASS
Band42	5MHz	16QAM	43065	25RB#0	19.98	15.69	30	PASS
Band42	5MHz	64QAM	42115	1RB#0	19.79	15.5	30	PASS
Band42	5MHz	64QAM	42115	1RB#12	19.72	15.43	30	PASS
Band42	5MHz	64QAM	42115	1RB#24	19.79	15.5	30	PASS



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Band42	5MHz	64QAM	42115	25RB#0	19.13	14.84	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	19.74	15.45	30	PASS
Band42	5MHz	64QAM	42590	1RB#12	19.85	15.56	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	19.84	15.55	30	PASS
Band42	5MHz	64QAM	42590	25RB#0	18.97	14.68	30	PASS
Band42	5MHz	64QAM	43065	1RB#0	19.71	15.42	30	PASS
Band42	5MHz	64QAM	43065	1RB#12	19.67	15.38	30	PASS
Band42	5MHz	64QAM	43065	1RB#24	19.65	15.36	30	PASS
Band42	5MHz	64QAM	43065	25RB#0	19.04	14.75	30	PASS
Band42	5MHz	256QAM	42115	1RB#0	17	12.71	30	PASS
Band42	5MHz	256QAM	42115	1RB#12	16.9	12.61	30	PASS
Band42	5MHz	256QAM	42115	1RB#24	17.09	12.8	30	PASS
Band42	5MHz	256QAM	42115	25RB#0	17.11	12.82	30	PASS
Band42	5MHz	256QAM	42590	1RB#0	17.02	12.73	30	PASS
Band42	5MHz	256QAM	42590	1RB#12	16.83	12.54	30	PASS
Band42	5MHz	256QAM	42590	1RB#24	16.89	12.6	30	PASS
Band42	5MHz	256QAM	42590	25RB#0	16.97	12.68	30	PASS
Band42	5MHz	256QAM	43065	1RB#0	16.82	12.53	30	PASS
Band42	5MHz	256QAM	43065	1RB#12	16.88	12.59	30	PASS
Band42	5MHz	256QAM	43065	1RB#24	16.83	12.54	30	PASS
Band42	5MHz	256QAM	43065	25RB#0	16.89	12.6	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	22.28	17.99	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	22.09	17.8	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	22.11	17.82	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	20.94	16.65	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	22.34	18.05	30	PASS
Band42	10MHz	QPSK	42590	1RB#24	21.85	17.56	30	PASS
Band42	10MHz	QPSK	42590	1RB#49	21.85	17.56	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	20.98	16.69	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	22.33	18.04	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	21.89	17.6	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	21.85	17.56	30	PASS



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Band42	10MHz	QPSK	43040	50RB#0	20.88	16.59	30	PASS
Band42	10MHz	16QAM	42140	1RB#0	21.41	17.12	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	21.38	17.09	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	21.2	16.91	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	20.17	15.88	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	21.25	16.96	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	21.08	16.79	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	21.28	16.99	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	20.05	15.76	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	21.36	17.07	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	21.19	16.9	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	21.25	16.96	30	PASS
Band42	10MHz	16QAM	43040	50RB#0	19.98	15.69	30	PASS
Band42	10MHz	64QAM	42140	1RB#0	20.17	15.88	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	20.08	15.79	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	20.24	15.95	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	19.32	15.03	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	20.06	15.77	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	20.02	15.73	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	20.16	15.87	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	19.22	14.93	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	19.93	15.64	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	20.09	15.8	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	19.92	15.63	30	PASS
Band42	10MHz	64QAM	43040	50RB#0	19.06	14.77	30	PASS
Band42	10MHz	256QAM	42140	1RB#0	17.24	12.95	30	PASS
Band42	10MHz	256QAM	42140	1RB#24	17.17	12.88	30	PASS
Band42	10MHz	256QAM	42140	1RB#49	17.18	12.89	30	PASS
Band42	10MHz	256QAM	42140	50RB#0	17.14	12.85	30	PASS
Band42	10MHz	256QAM	42590	1RB#0	17.06	12.77	30	PASS
Band42	10MHz	256QAM	42590	1RB#24	17.07	12.78	30	PASS
Band42	10MHz	256QAM	42590	1RB#49	17.03	12.74	30	PASS



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Band42	10MHz	256QAM	43040	1RB#0	16.97	12.68	30	PASS
Band42	10MHz	256QAM	43040	1RB#24	16.93	12.64	30	PASS
Band42	10MHz	256QAM	43040	1RB#49	17.05	12.76	30	PASS
Band42	10MHz	256QAM	43040	50RB#0	17.07	12.78	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	22.35	18.06	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	21.82	17.53	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	21.92	17.63	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	20.96	16.67	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	22.24	17.95	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	21.79	17.5	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	21.85	17.56	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	20.93	16.64	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	22.4	18.11	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	22.01	17.72	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	22.06	17.77	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	20.85	16.56	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	21.18	16.89	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	21.19	16.9	30	PASS
Band42	15MHz	16QAM	42165	1RB#74	21.13	16.84	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	20.05	15.76	30	PASS
Band42	15MHz	16QAM	42590	1RB#0	21.06	16.77	30	PASS
Band42	15MHz	16QAM	42590	1RB#38	21.06	16.77	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	21.28	16.99	30	PASS
Band42	15MHz	16QAM	42590	75RB#0	20	15.71	30	PASS
Band42	15MHz	16QAM	43015	1RB#0	21.25	16.96	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	21.05	16.76	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	21.28	16.99	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	20.08	15.79	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	19.95	15.66	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	20.02	15.73	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	19.91	15.62	30	PASS



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Band42	15MHz	64QAM	42590	1RB#0	20	15.71	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	20.12	15.83	30	PASS
Band42	15MHz	64QAM	42590	1RB#74	20.12	15.83	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	19.02	14.73	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	20.06	15.77	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	20.18	15.89	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	20.01	15.72	30	PASS
Band42	15MHz	64QAM	43015	75RB#0	19.2	14.91	30	PASS
Band42	15MHz	256QAM	42165	1RB#0	17	12.71	30	PASS
Band42	15MHz	256QAM	42165	1RB#38	17	12.71	30	PASS
Band42	15MHz	256QAM	42165	1RB#74	17.04	12.75	30	PASS
Band42	15MHz	256QAM	42165	75RB#0	17.19	12.9	30	PASS
Band42	15MHz	256QAM	42590	1RB#0	16.9	12.61	30	PASS
Band42	15MHz	256QAM	42590	1RB#38	16.94	12.65	30	PASS
Band42	15MHz	256QAM	42590	1RB#74	17.05	12.76	30	PASS
Band42	15MHz	256QAM	42590	75RB#0	17.06	12.77	30	PASS
Band42	15MHz	256QAM	43015	1RB#0	17.11	12.82	30	PASS
Band42	15MHz	256QAM	43015	1RB#38	17.03	12.74	30	PASS
Band42	15MHz	256QAM	43015	1RB#74	17.12	12.83	30	PASS
Band42	15MHz	256QAM	43015	75RB#0	17.2	12.91	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	22.13	17.84	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	21.71	17.42	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	21.98	17.69	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	20.94	16.65	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	22.1	17.81	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	21.88	17.59	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	21.96	17.67	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	20.9	16.61	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	22.21	17.92	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	21.97	17.68	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	22.12	17.83	30	PASS



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Band42	20MHz	16QAM	42190	1RB#0	21.05	16.76	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	21.19	16.9	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	21.21	16.92	30	PASS
Band42	20MHz	16QAM	42190	100RB#0	20.19	15.9	30	PASS
Band42	20MHz	16QAM	42590	1RB#0	21.19	16.9	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	21.06	16.77	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	21.37	17.08	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	20.12	15.83	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	21.05	16.76	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	21.37	17.08	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	21.37	17.08	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	20.13	15.84	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	20.04	15.75	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	20.09	15.8	30	PASS
Band42	20MHz	64QAM	42190	1RB#99	20.04	15.75	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	19.13	14.84	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	19.9	15.61	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	20.07	15.78	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	20.08	15.79	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	19.04	14.75	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	20.03	15.74	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	20.05	15.76	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	20.12	15.83	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	19.13	14.84	30	PASS
Band42	20MHz	256QAM	42190	1RB#0	17.07	12.78	30	PASS
Band42	20MHz	256QAM	42190	1RB#49	17	12.71	30	PASS
Band42	20MHz	256QAM	42190	1RB#99	17.08	12.79	30	PASS
Band42	20MHz	256QAM	42190	100RB#0	17.2	12.91	30	PASS
Band42	20MHz	256QAM	42590	1RB#0	16.97	12.68	30	PASS
Band42	20MHz	256QAM	42590	1RB#49	17	12.71	30	PASS
Band42	20MHz	256QAM	42590	1RB#99	17.15	12.86	30	PASS



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Band42	20MHz	256QAM	42590	100RB#0	17.08	12.79	30	PASS
Band42	20MHz	256QAM	42990	1RB#0	16.86	12.57	30	PASS
Band42	20MHz	256QAM	42990	1RB#49	17.17	12.88	30	PASS
Band42	20MHz	256QAM	42990	1RB#99	17.15	12.86	30	PASS
Band42	20MHz	256QAM	42990	100RB#0	17.06	12.77	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	9.30	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	9.28	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	9.30	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	9.70	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	9.92	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	9.94	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	9.90	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	10.08	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	10.16	13	PASS
Band42	20MHz	256QAM	42190	100RB#0	10.04	13	PASS
Band42	20MHz	256QAM	42590	100RB#0	10.32	13	PASS
Band42	20MHz	256QAM	42990	100RB#0	10.06	13	PASS



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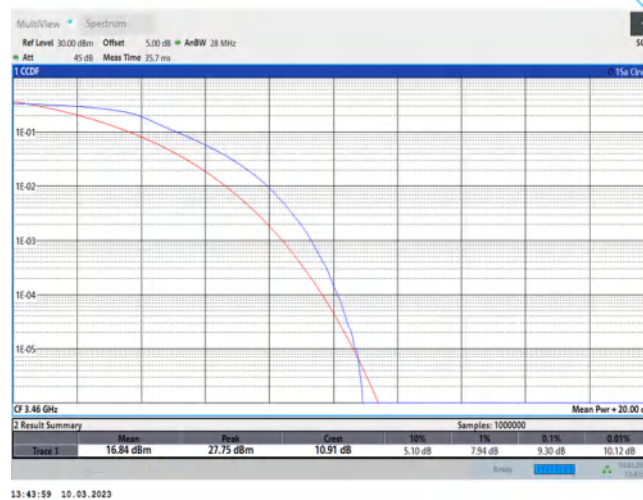
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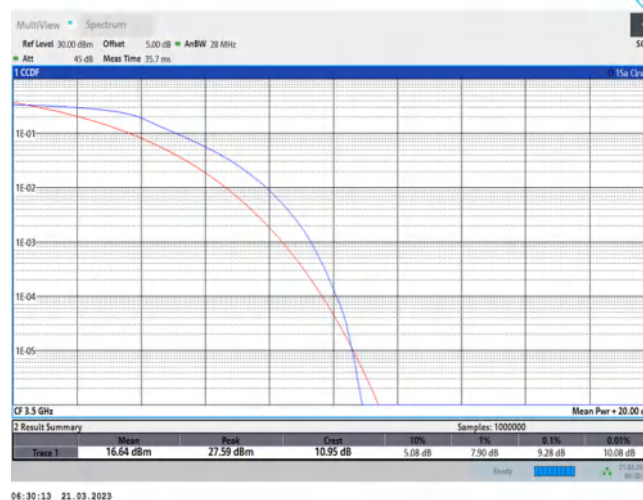
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Test Graphs

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



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



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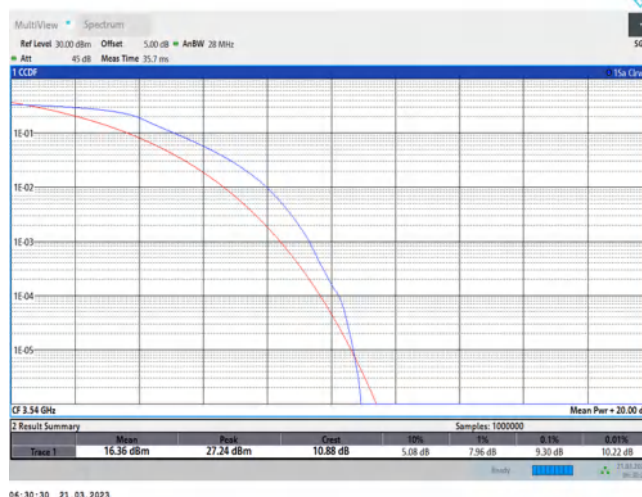
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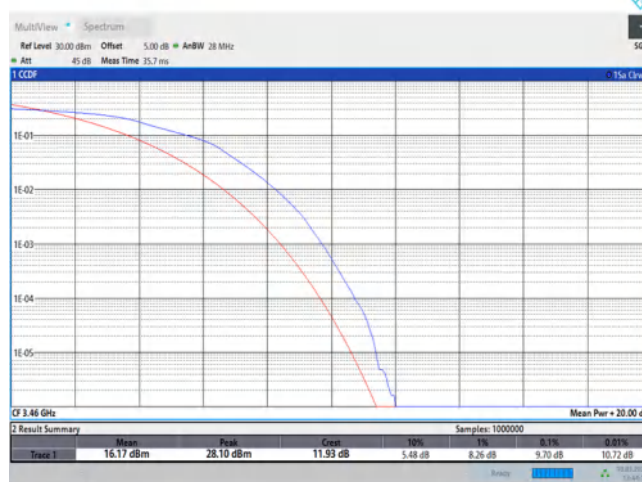
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Band42-20MHz-QPSK-42990-100RB#0



06:30:30 21.03.2023

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



13:44:16 10.03.2023



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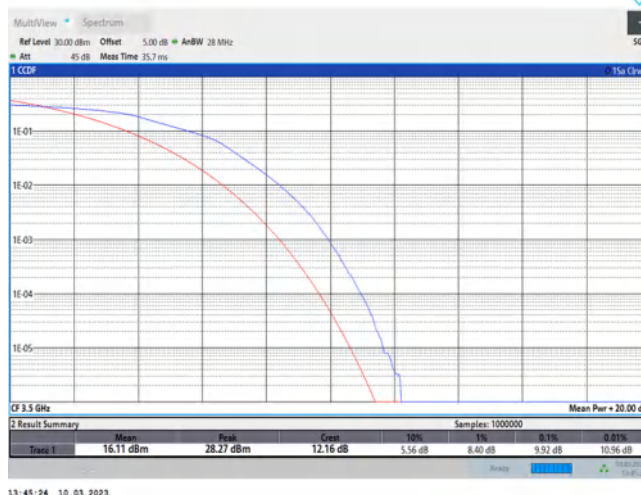
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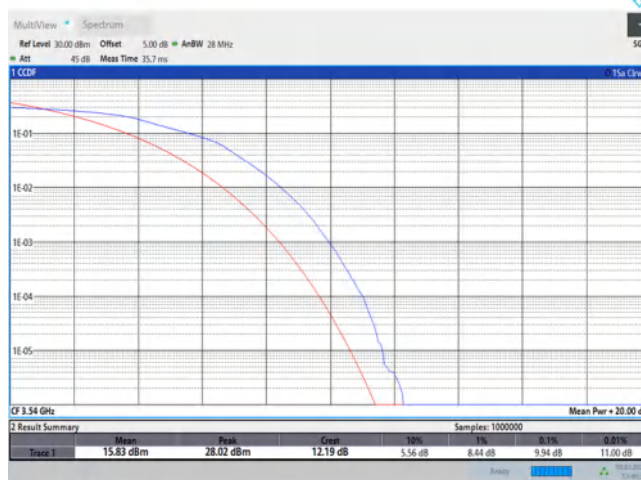
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Band42-20MHz-16QAM-42590-100RB#0



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



13:46:33 10.03.2023



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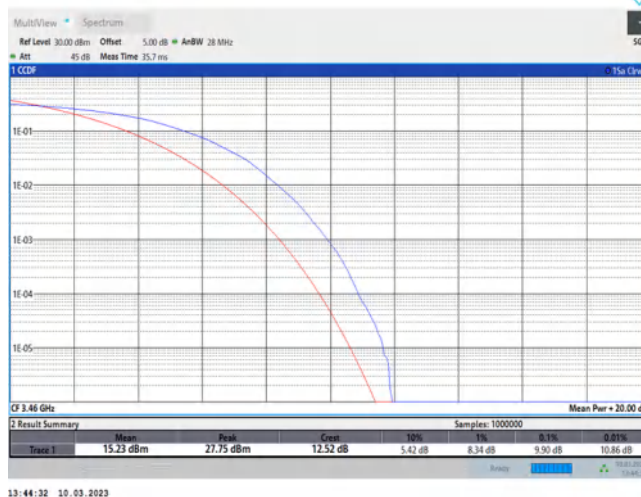
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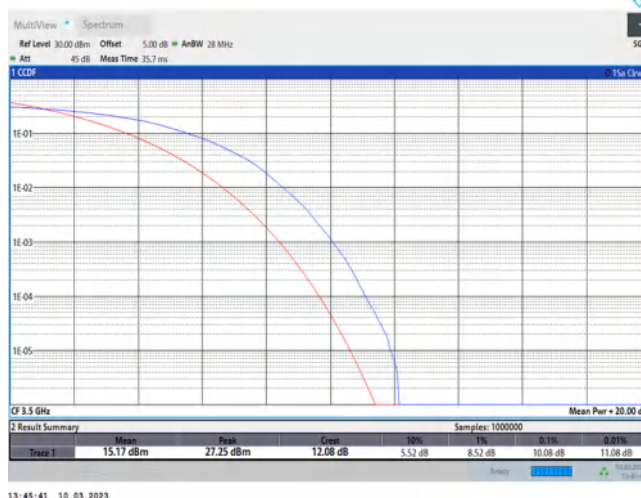
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Band42-20MHz-64QAM-42190-100RB#0



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



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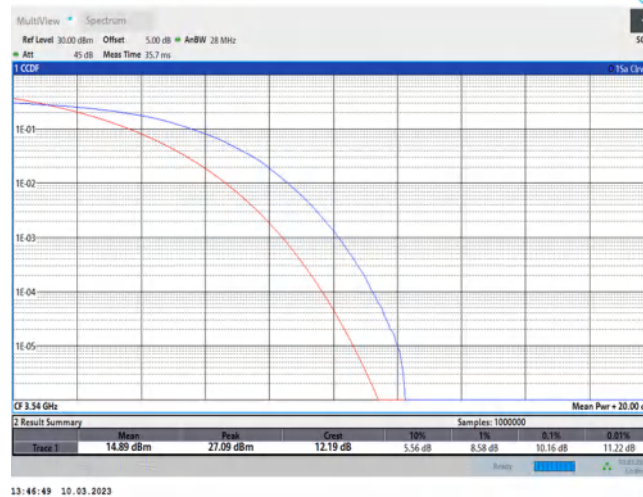
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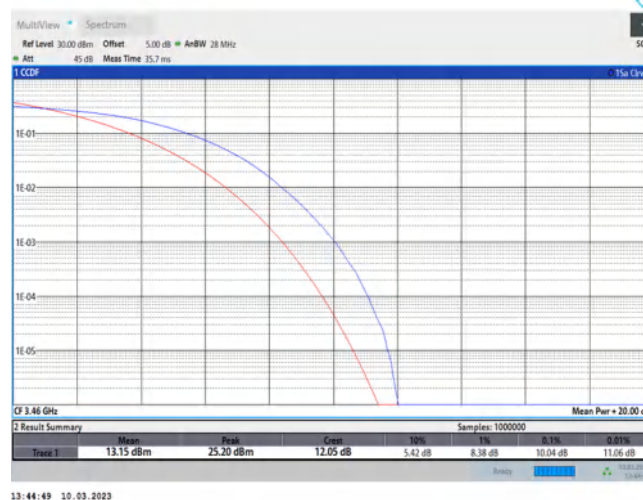
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Band42-20MHz-64QAM-42990-100RB#0



Band42-20MHz-256QAM-42190-100RB#0



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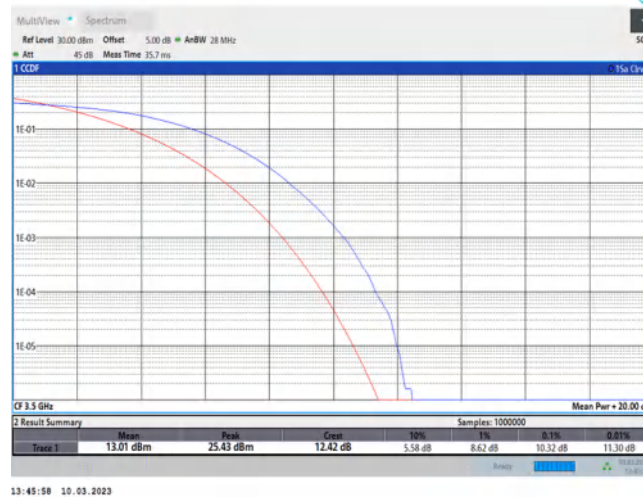
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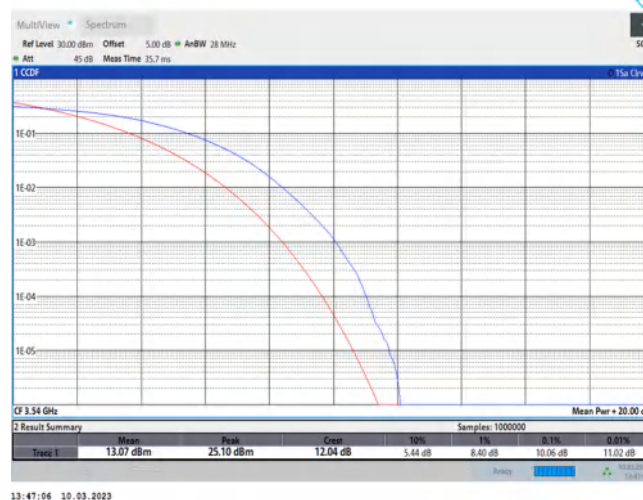
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	42115	25RB#0	4.493	4.98	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.489	4.87	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.485	4.88	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.479	4.89	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.480	4.93	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.494	5.12	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.474	5.04	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.506	5.04	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.493	4.86	PASS
Band42	5MHz	256QAM	42115	25RB#0	4.482	4.95	PASS
Band42	5MHz	256QAM	42590	25RB#0	4.488	4.82	PASS
Band42	5MHz	256QAM	43065	25RB#0	4.457	4.76	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.990	9.70	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.995	9.67	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.968	9.83	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.958	9.63	PASS
Band42	10MHz	16QAM	42590	50RB#0	9.019	9.63	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.950	9.80	PASS
Band42	10MHz	64QAM	42140	50RB#0	9.005	9.60	PASS
Band42	10MHz	64QAM	42590	50RB#0	9.005	9.77	PASS
Band42	10MHz	64QAM	43040	50RB#0	8.949	9.73	PASS
Band42	10MHz	256QAM	42140	50RB#0	8.965	9.77	PASS
Band42	10MHz	256QAM	42590	50RB#0	8.975	9.73	PASS
Band42	10MHz	256QAM	43040	50RB#0	8.966	9.73	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.494	14.40	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.485	14.30	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.474	14.50	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.451	14.35	PASS



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Band42	15MHz	16QAM	42590	75RB#0	13.456	14.30	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.440	14.35	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.436	14.50	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.460	14.60	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.442	14.45	PASS
Band42	15MHz	256QAM	42165	75RB#0	13.487	14.70	PASS
Band42	15MHz	256QAM	42590	75RB#0	13.468	14.65	PASS
Band42	15MHz	256QAM	43015	75RB#0	13.473	14.50	PASS
Band42	20MHz	QPSK	42190	100RB#0	17.942	19.27	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.995	19.53	PASS
Band42	20MHz	QPSK	42990	100RB#0	17.959	19.40	PASS
Band42	20MHz	16QAM	42190	100RB#0	17.980	19.33	PASS
Band42	20MHz	16QAM	42590	100RB#0	18.032	19.20	PASS
Band42	20MHz	16QAM	42990	100RB#0	17.979	19.27	PASS
Band42	20MHz	64QAM	42190	100RB#0	17.986	19.40	PASS
Band42	20MHz	64QAM	42590	100RB#0	18.012	19.53	PASS
Band42	20MHz	64QAM	42990	100RB#0	17.898	19.67	PASS
Band42	20MHz	256QAM	42190	100RB#0	17.893	19.27	PASS
Band42	20MHz	256QAM	42590	100RB#0	17.981	19.47	PASS
Band42	20MHz	256QAM	42990	100RB#0	17.950	19.53	PASS



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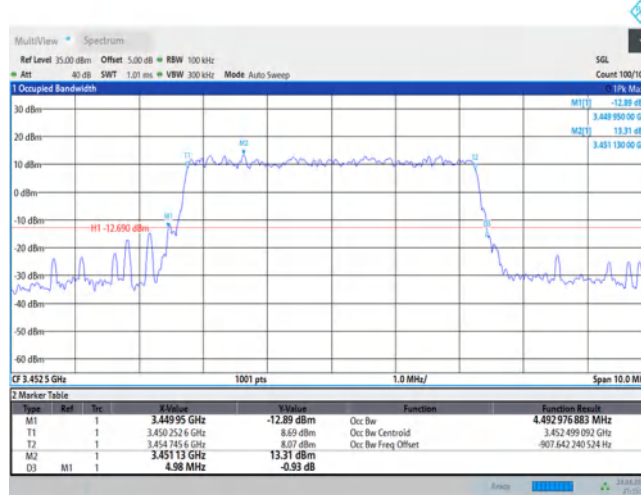
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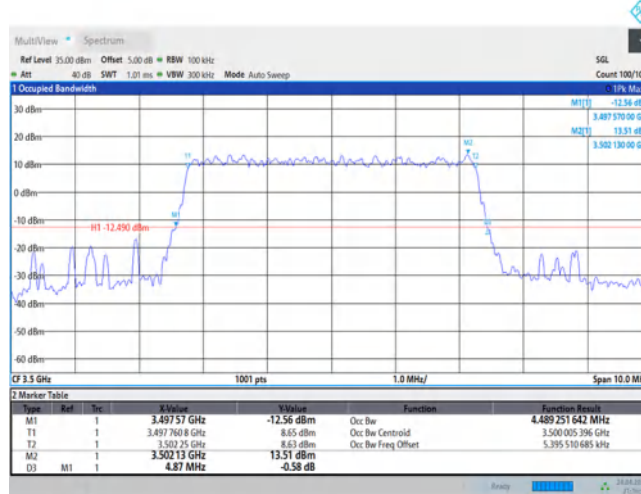
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Test Graphs

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



Band42-5MHz-QPSK-42590-25RB#0



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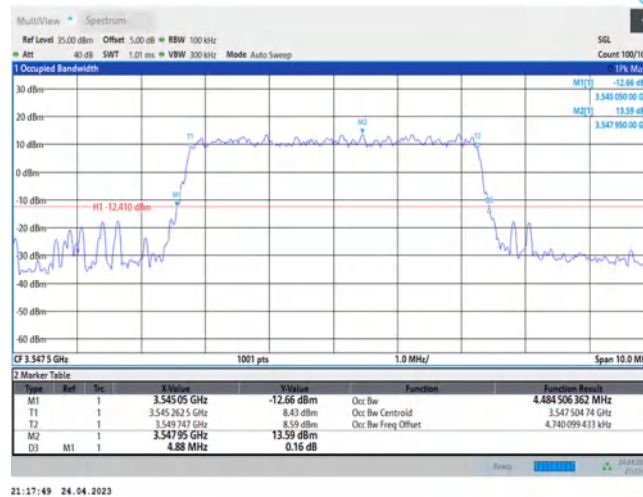
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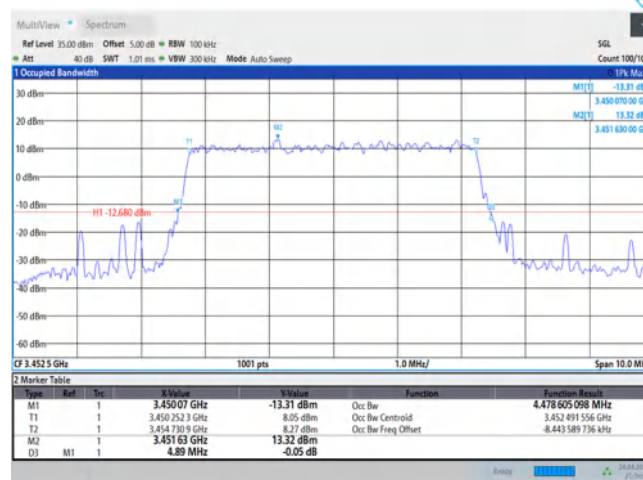
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Band42-5MHz-16QAM-42115-25RB#0



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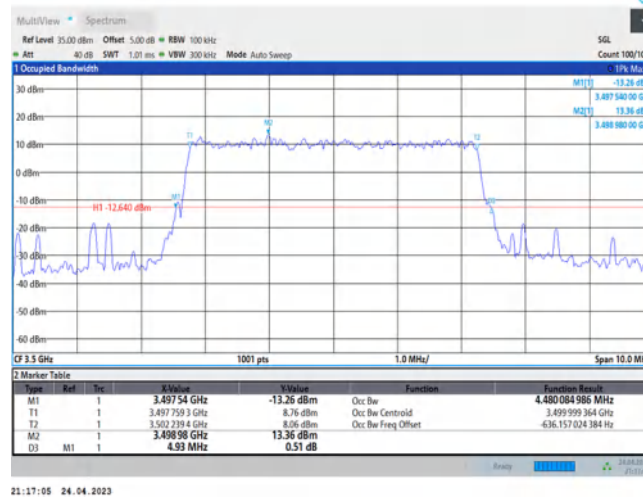
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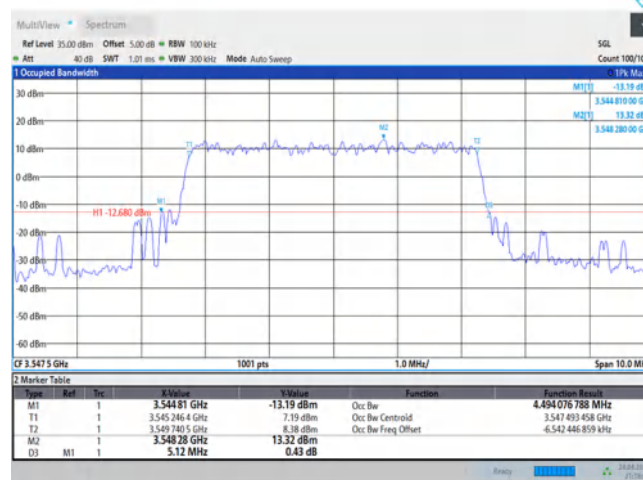
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Band42-5MHz-16QAM-43065-25RB#0



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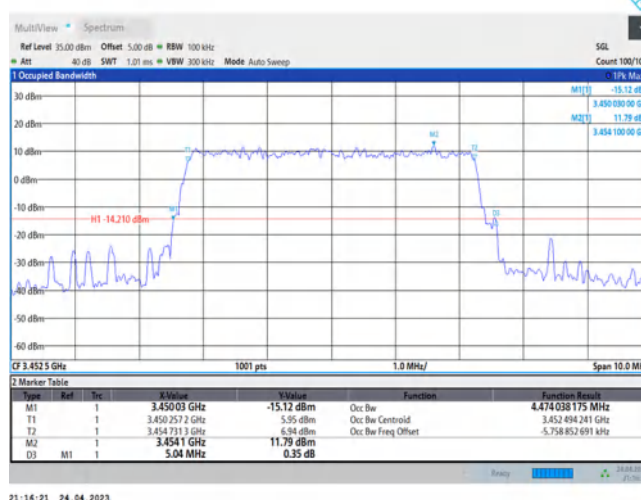
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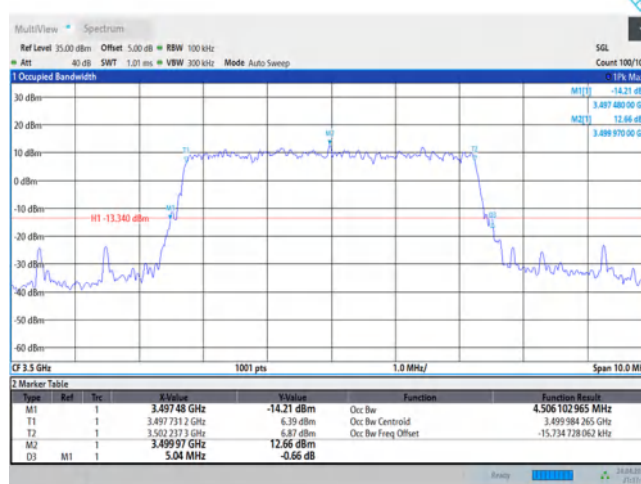
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Band42-5MHz-64QAM-42590-25RB#0



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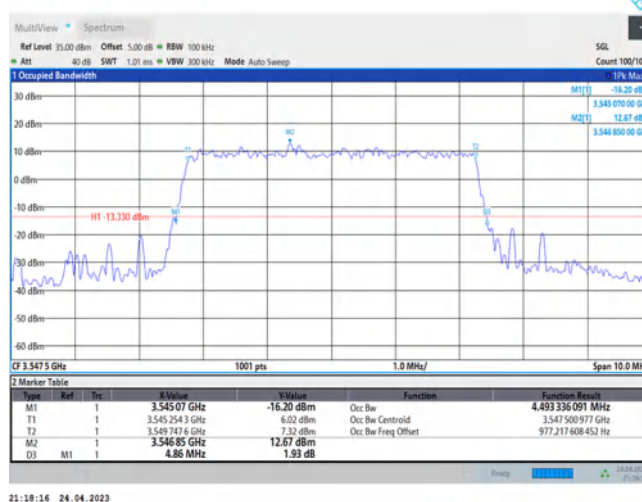
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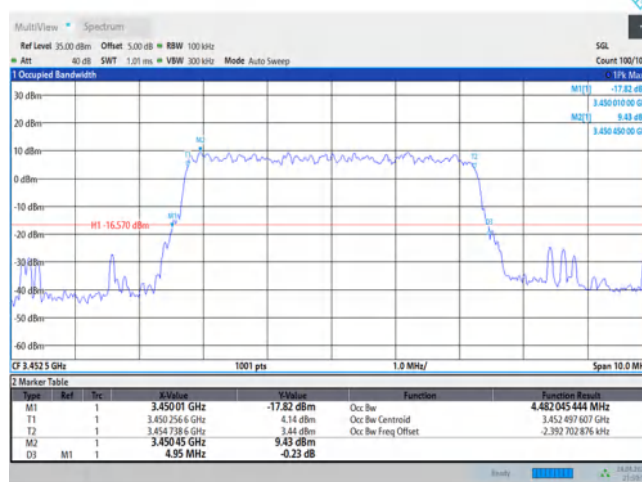
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Band42-5MHz-256QAM-42115-25RB#0



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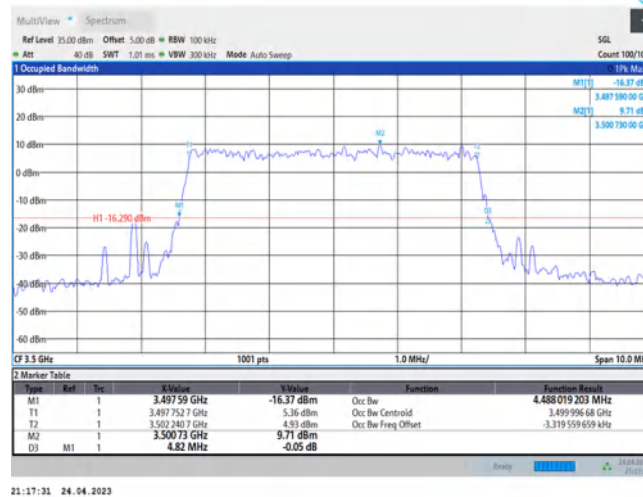
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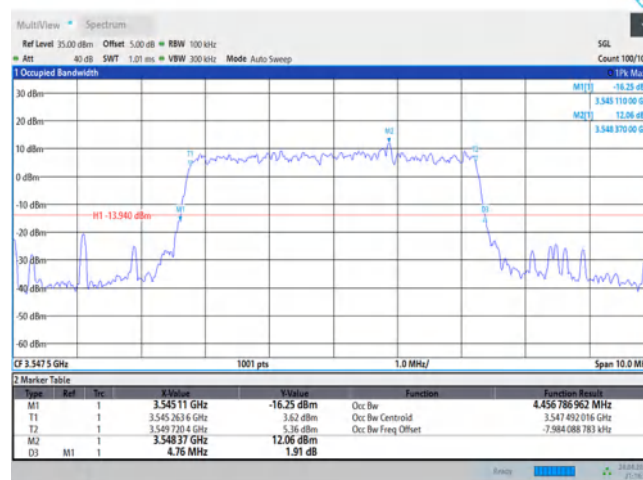
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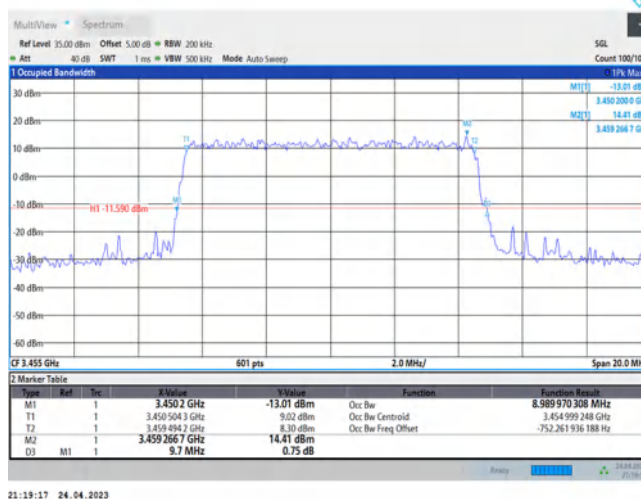
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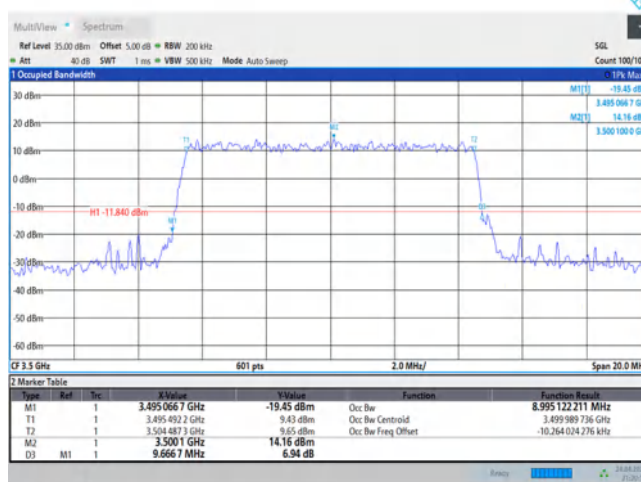
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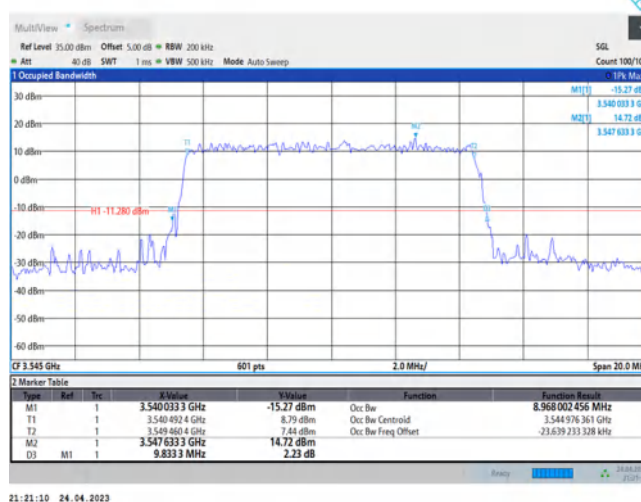
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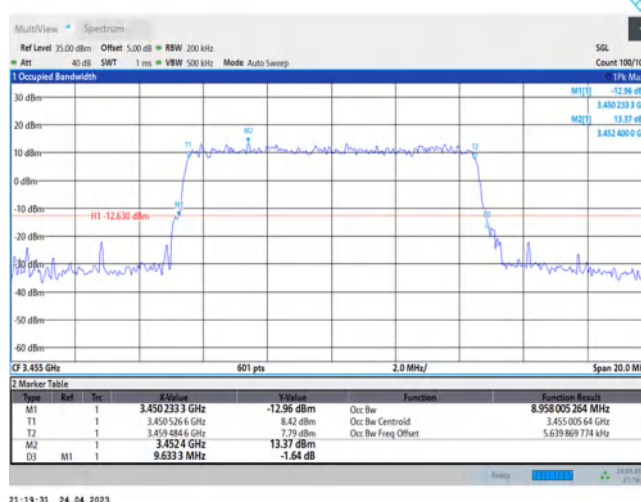
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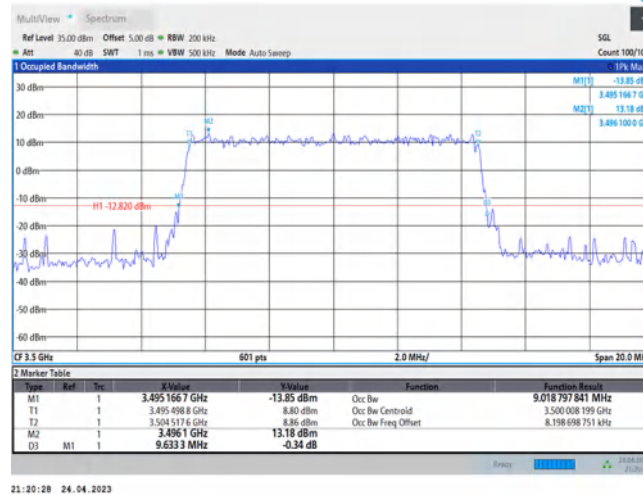
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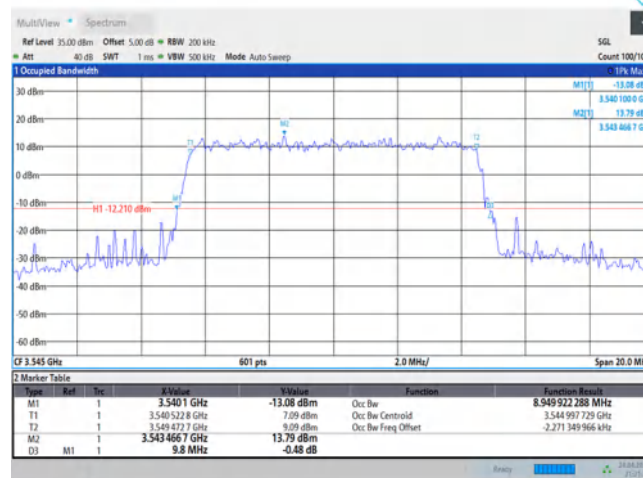
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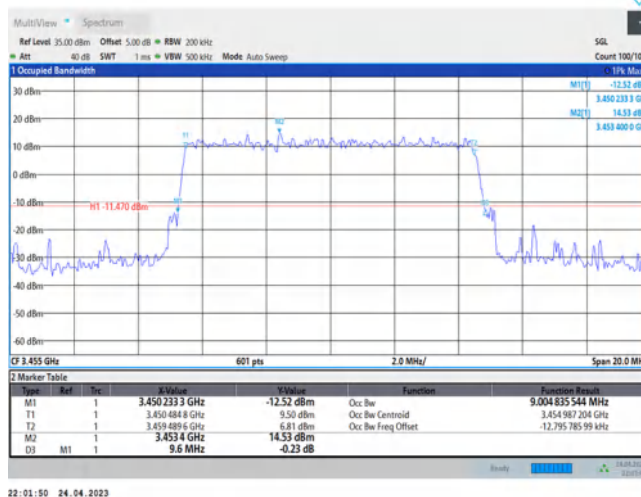
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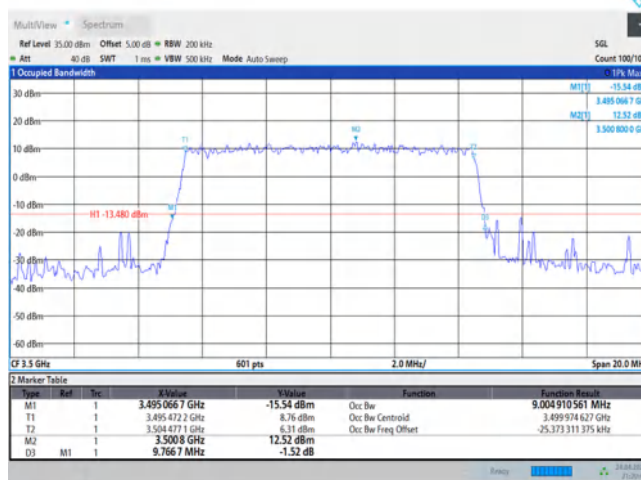
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Band42-10MHz-64QAM-42140-50RB#0



22:01:50 24.04.2023

Band42-10MHz-64QAM-42590-50RB#0



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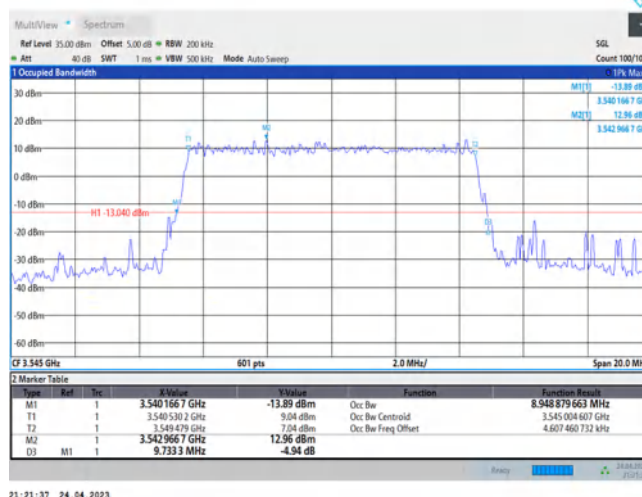
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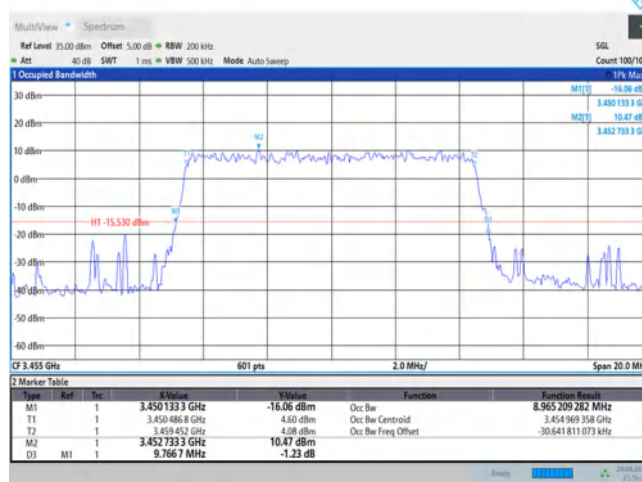
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Band42-10MHz-256QAM-42140-50RB#0



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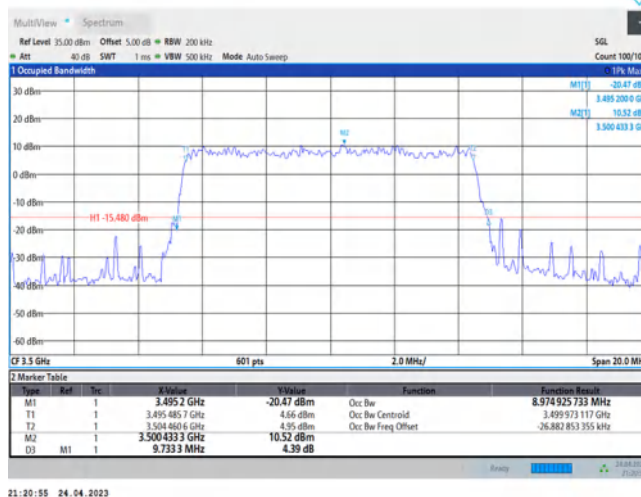
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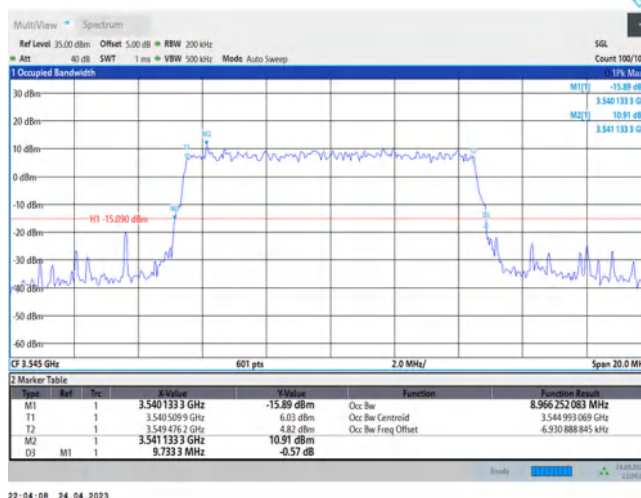
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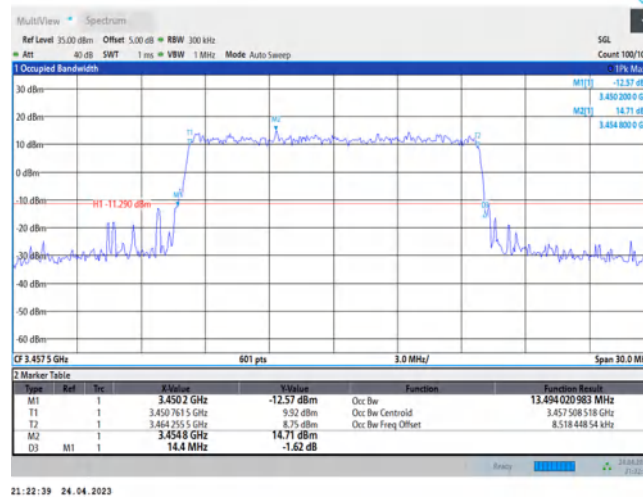
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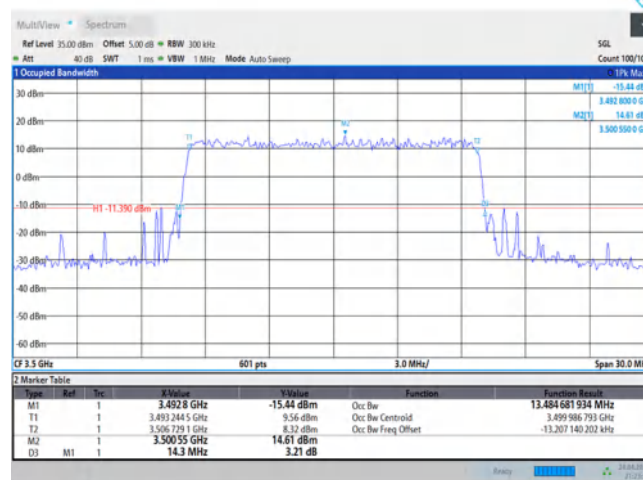
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Band42-15MHz-QPSK-42590-75RB#0



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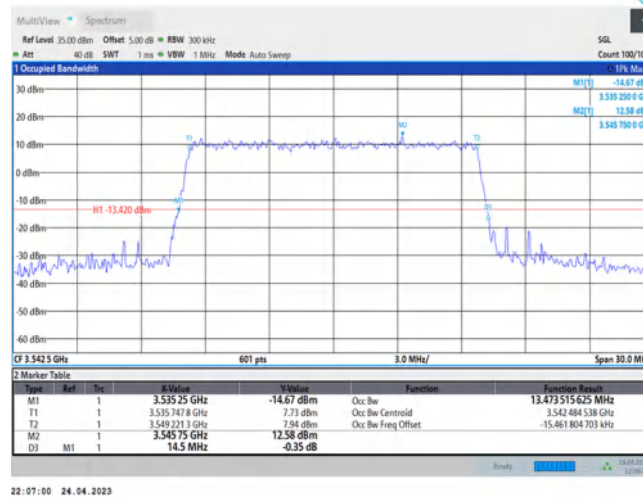
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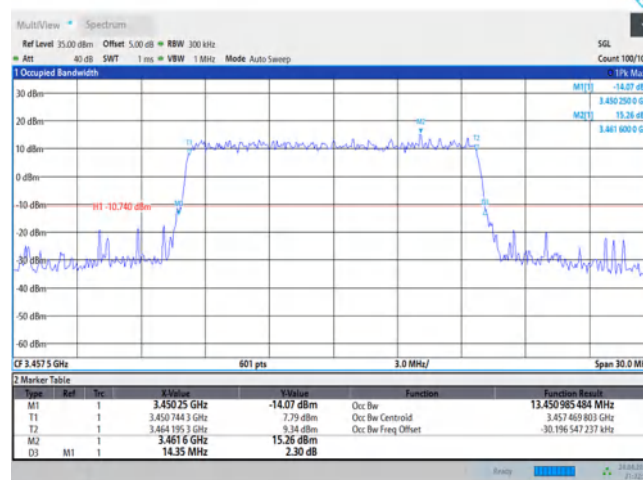
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Band42-15MHz-16QAM-42165-75RB#0



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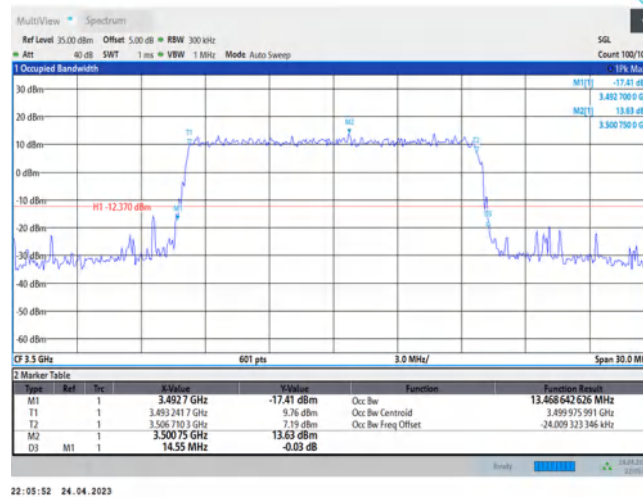
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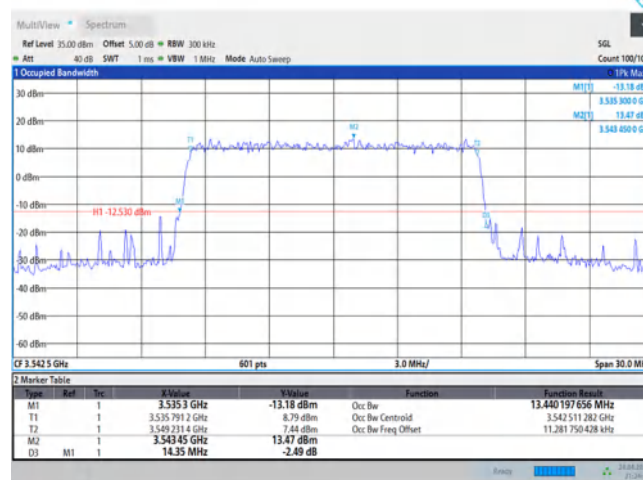
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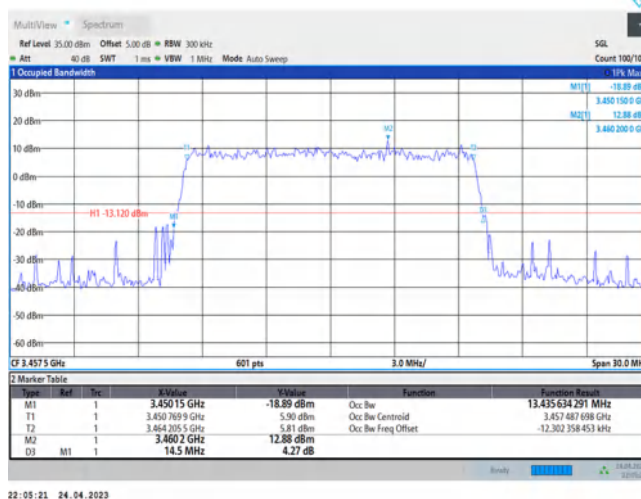
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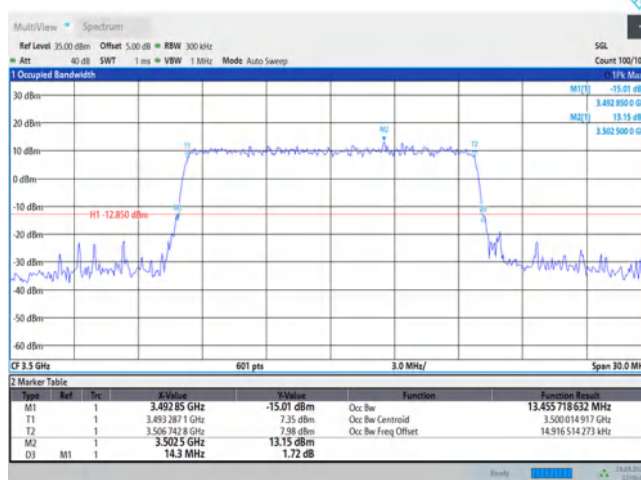
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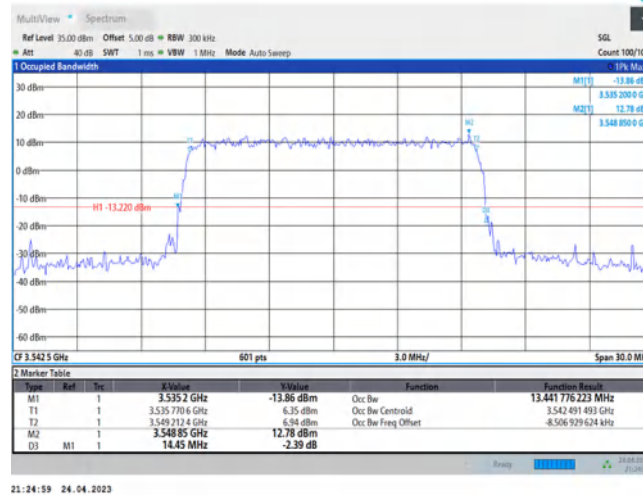
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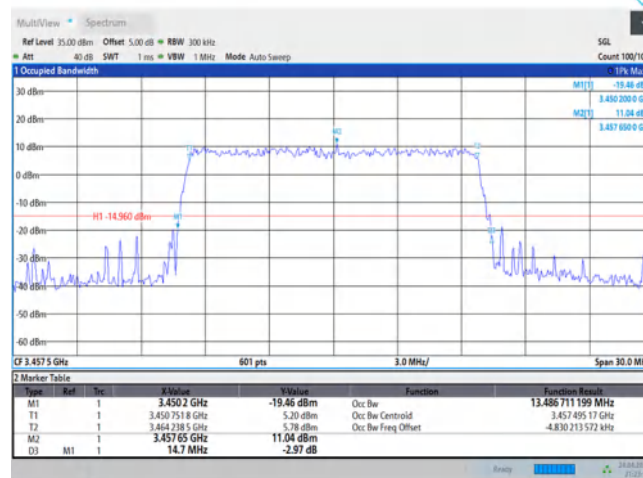
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Band42-15MHz-256QAM-42165-75RB#0



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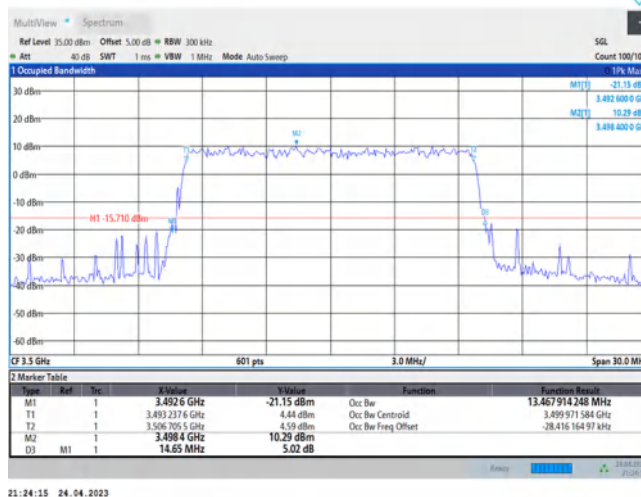
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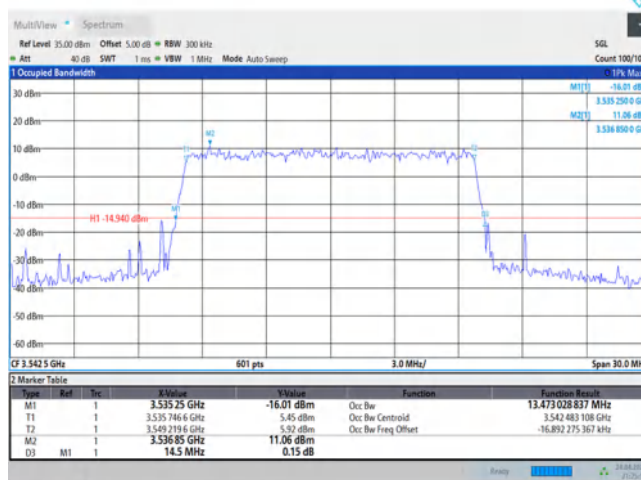
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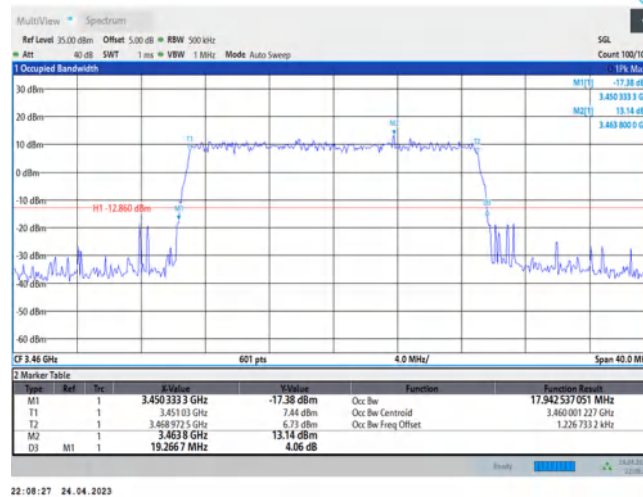
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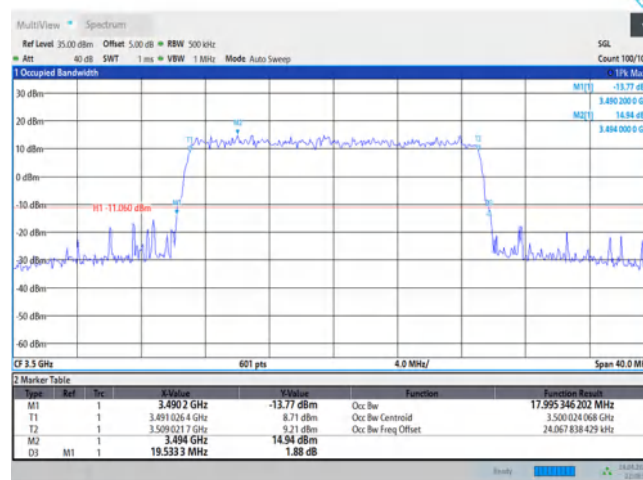
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Band42-20MHz-QPSK-42590-100RB#0



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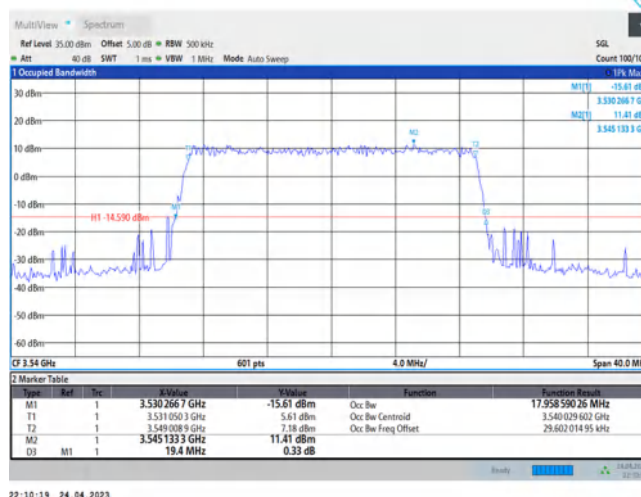
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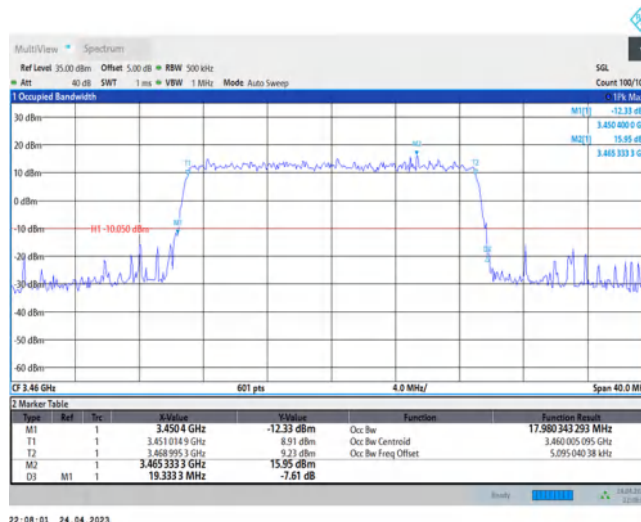
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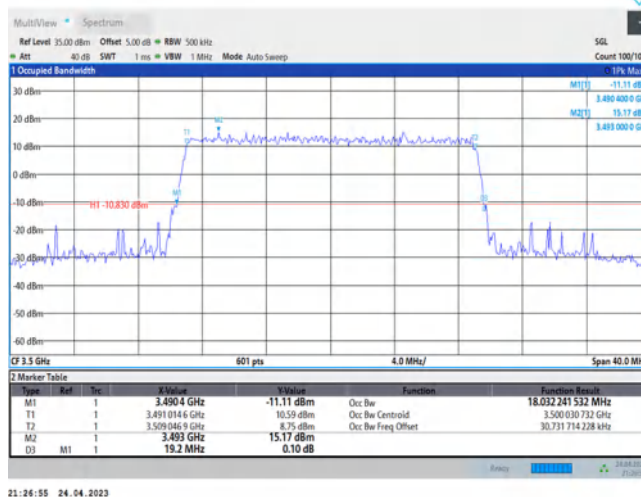
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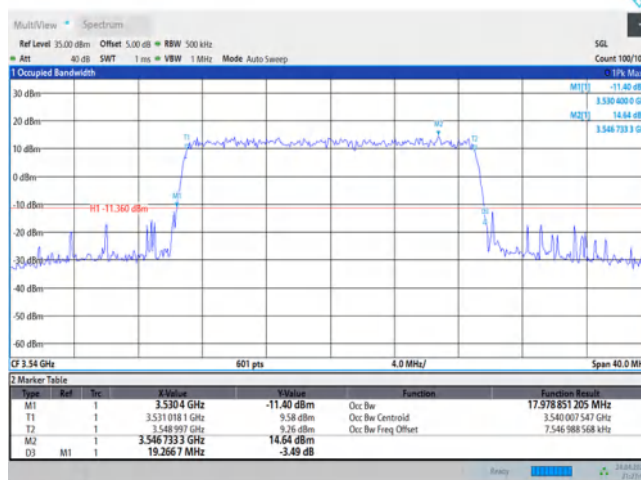
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Band42-20MHz-16QAM-42990-100RB#0



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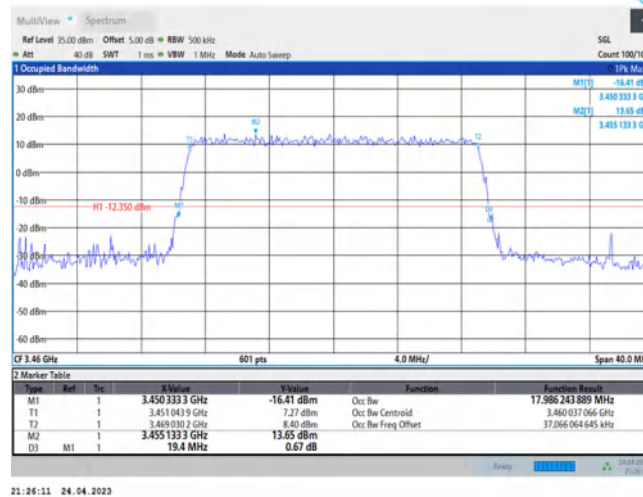
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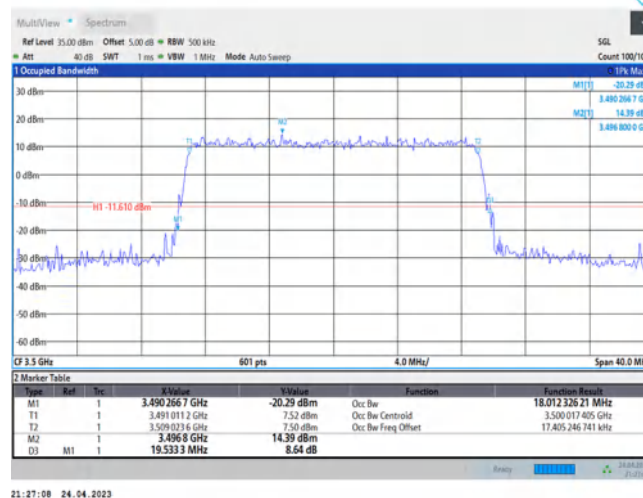
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Band42-20MHz-64QAM-42190-100RB#0



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



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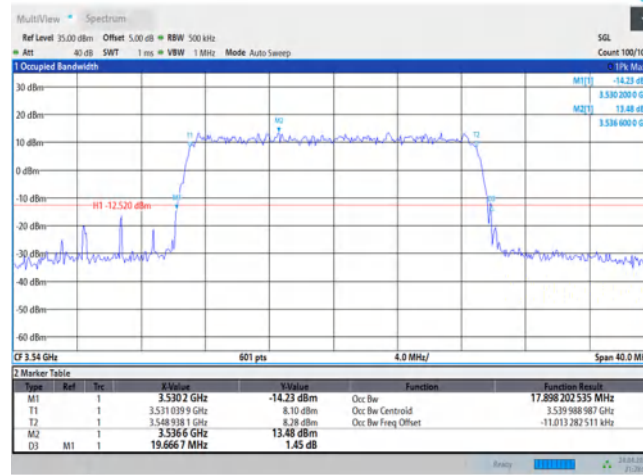
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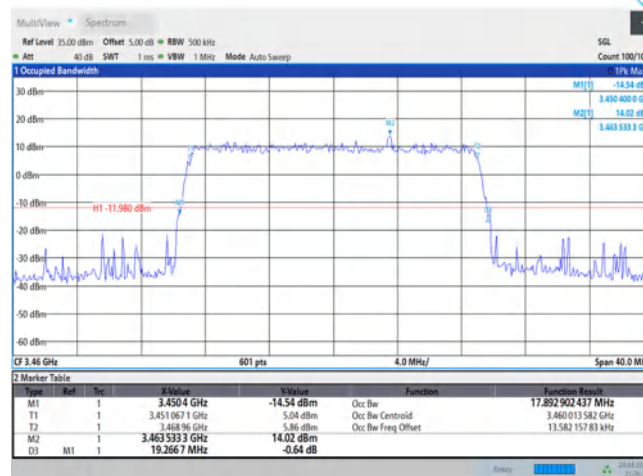
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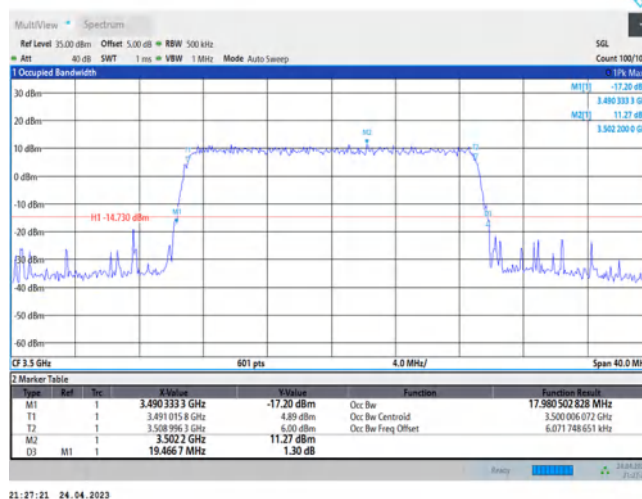
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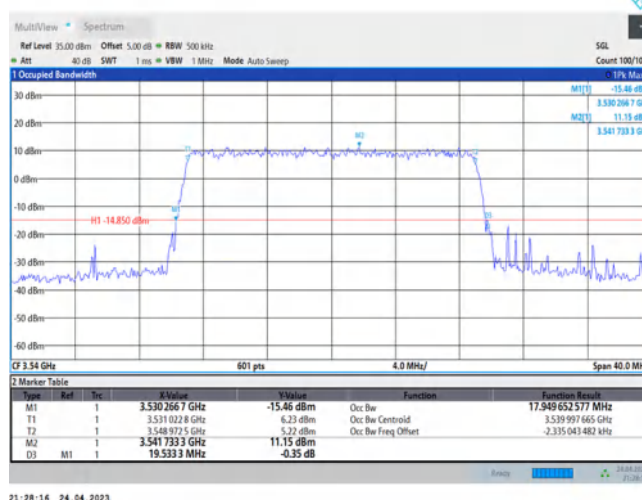
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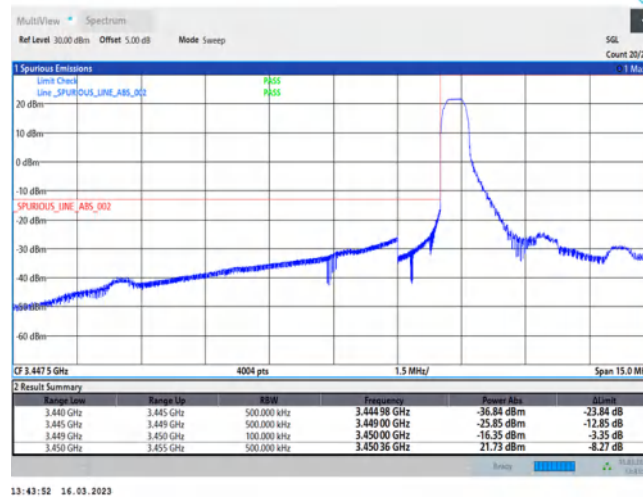
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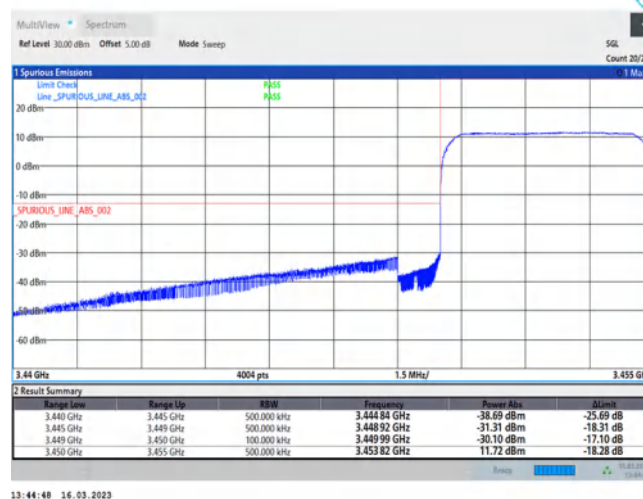
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Test Graphs

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



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



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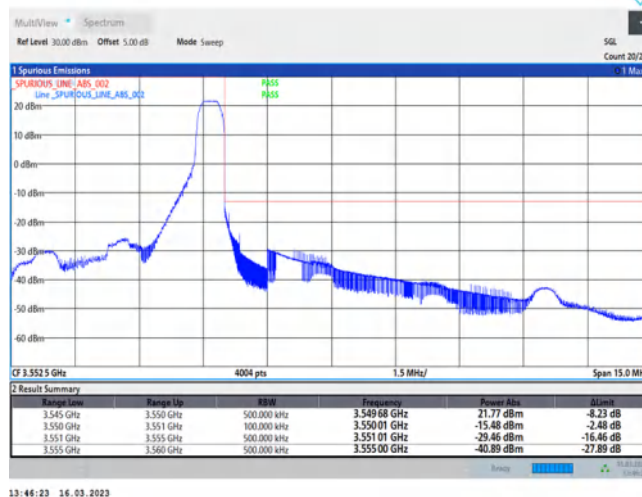
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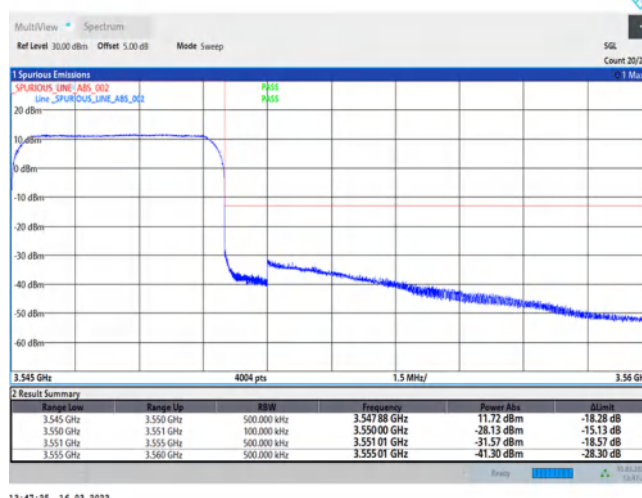
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Band42-5MHz-QPSK-43065-25RB#0



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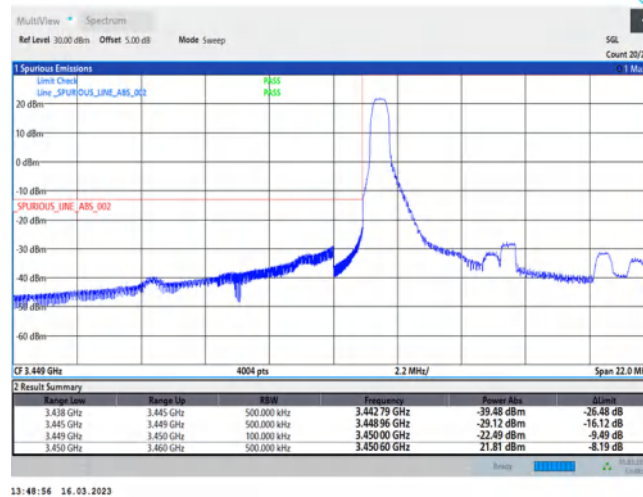
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Band42-10MHz-QPSK-42140-1RB#0



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



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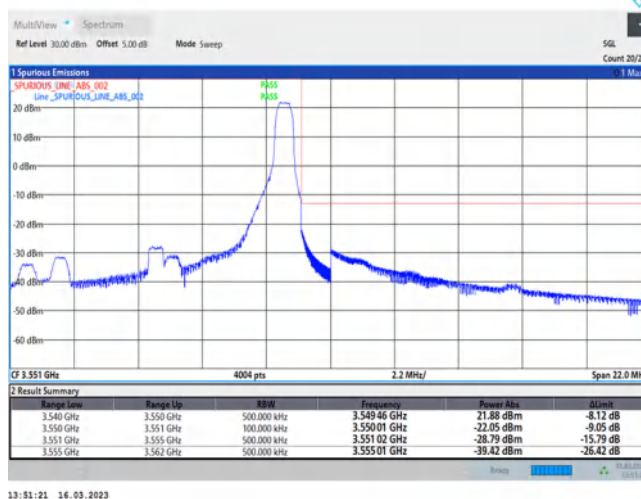
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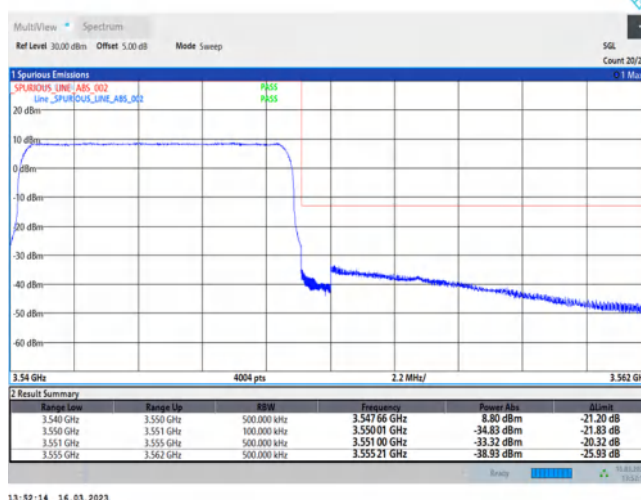
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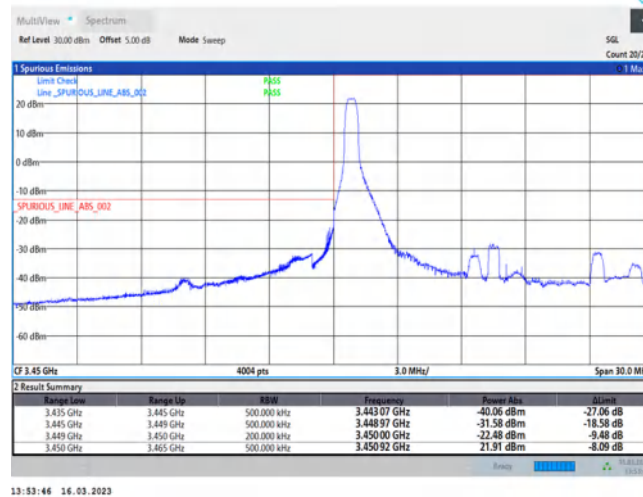
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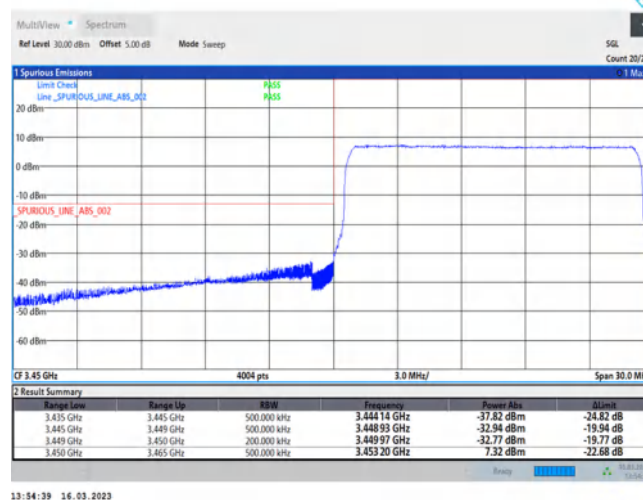
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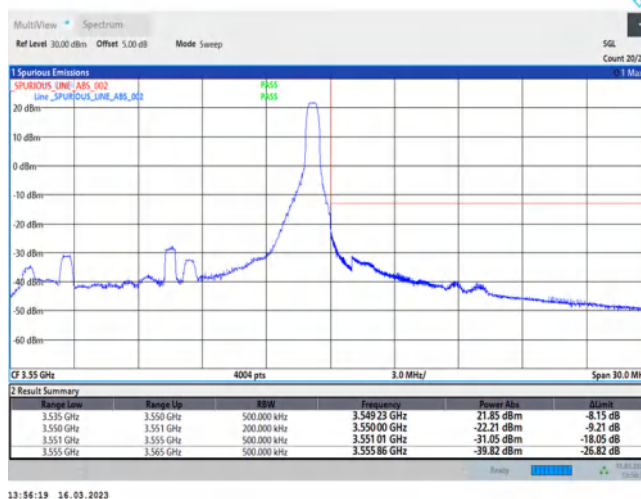
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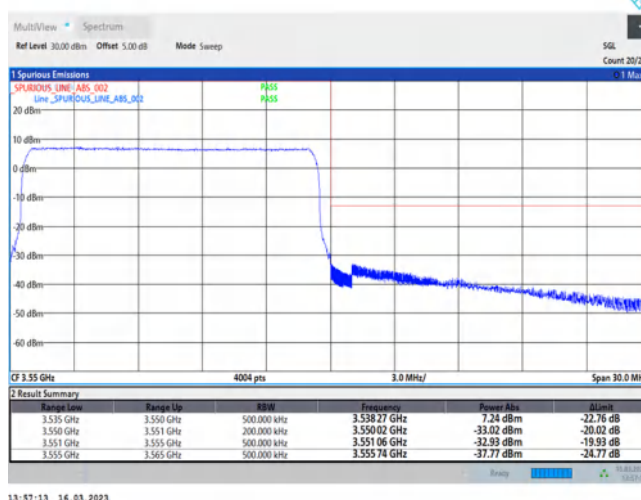
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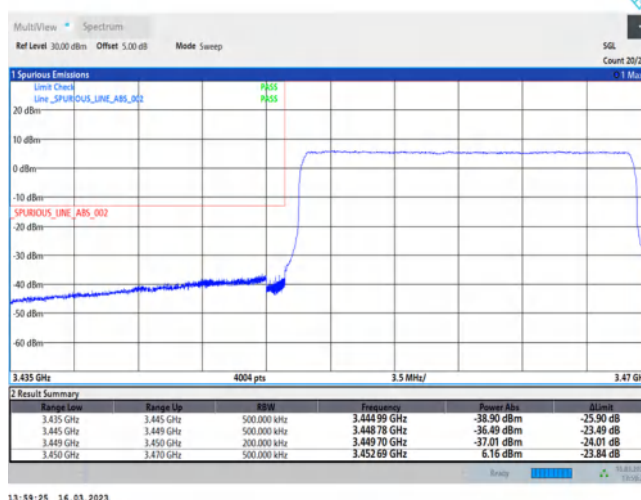
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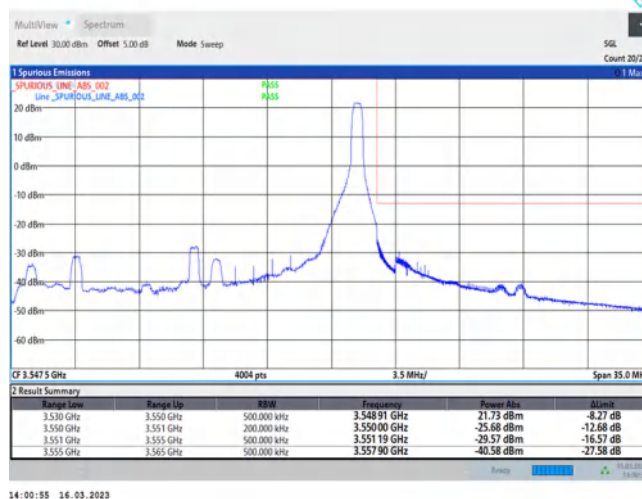
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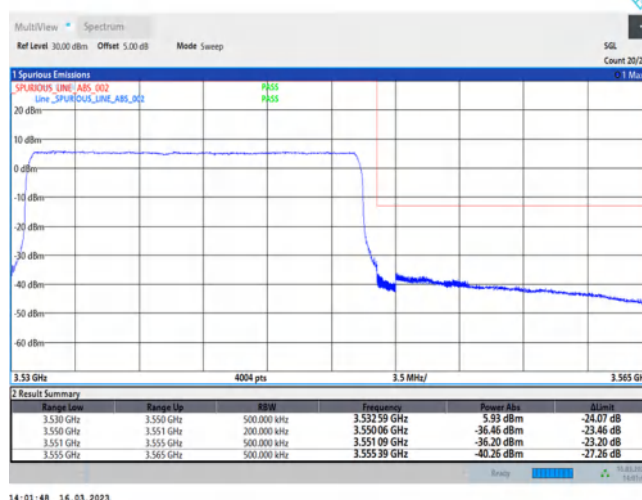
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Band42-20MHz-QPSK-42990-1RB#99



14:00:55 16.03.2023

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



14:01:40 16.03.2023



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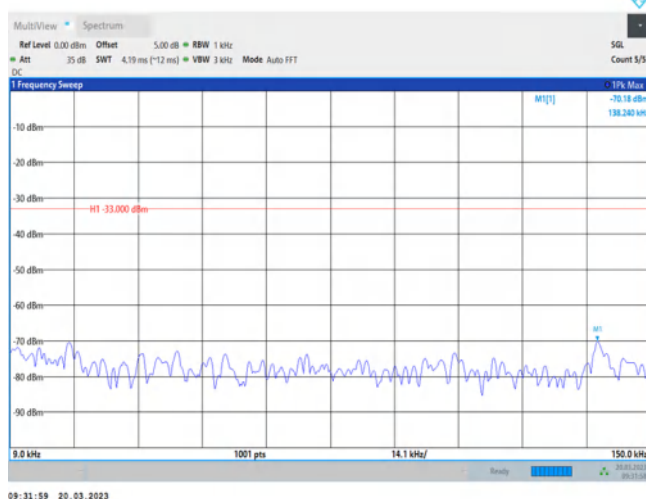
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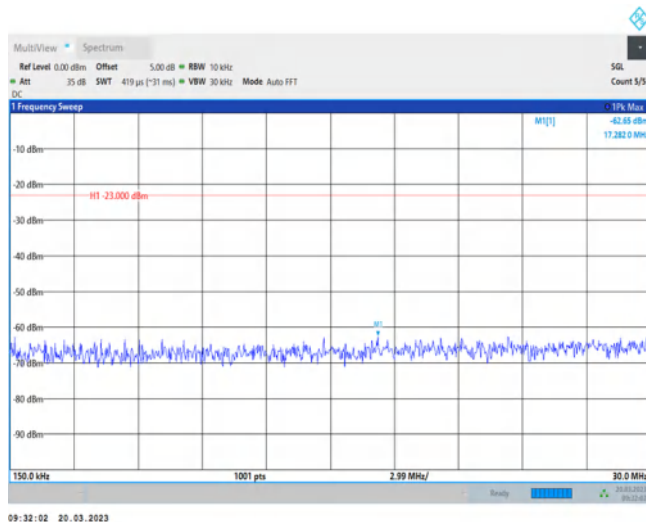
Conducted Spurious Emission

Test Graphs

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



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



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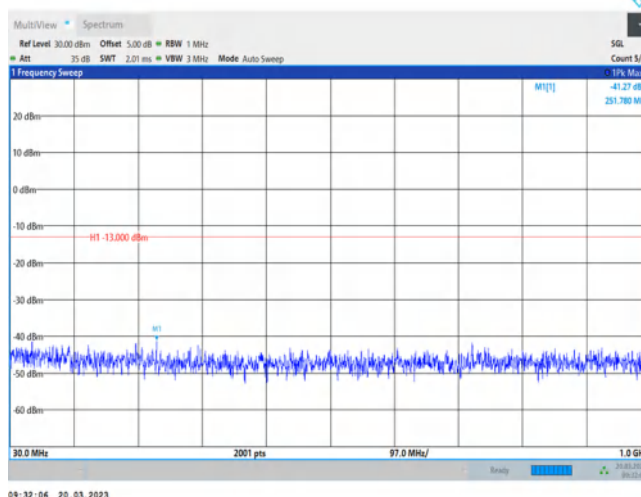
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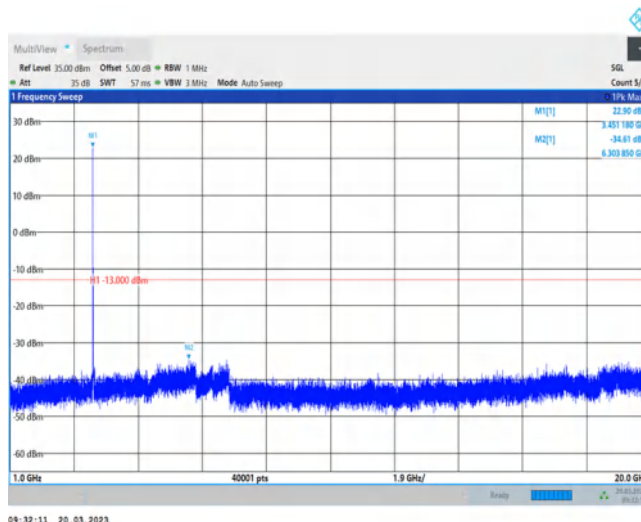
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



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



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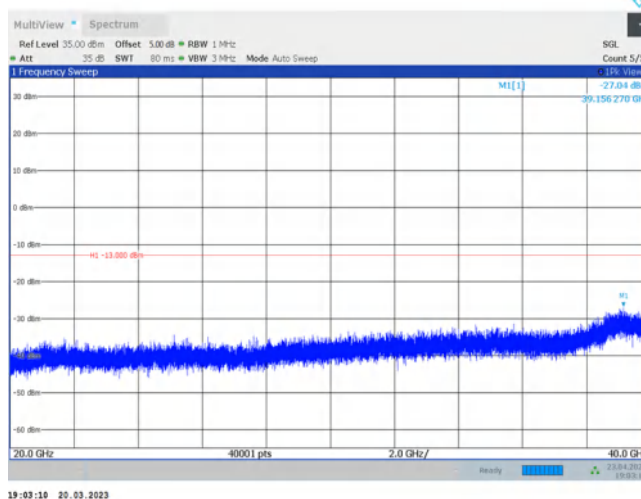
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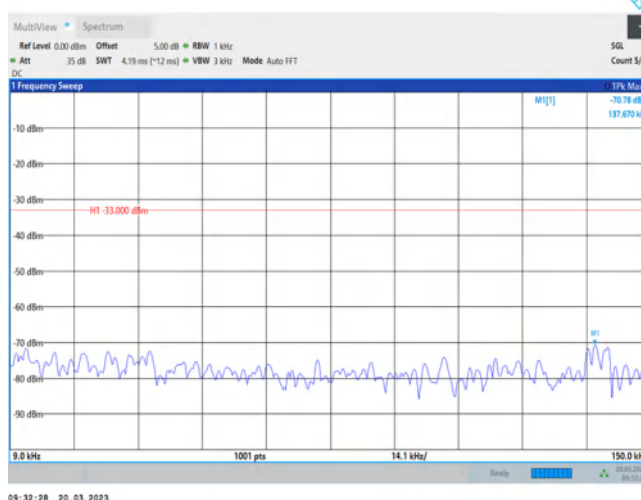
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



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



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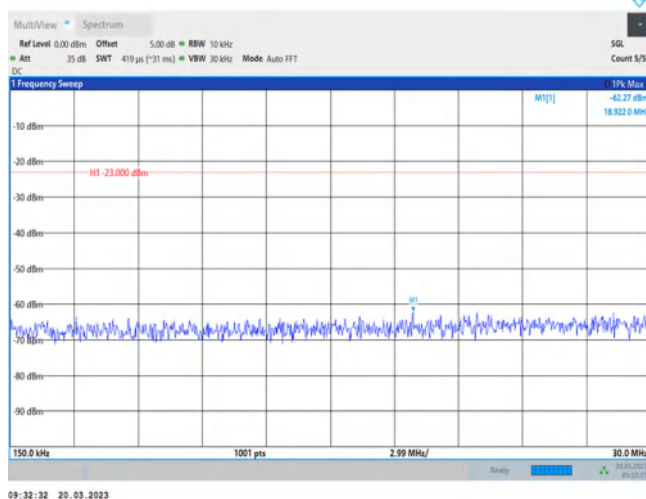
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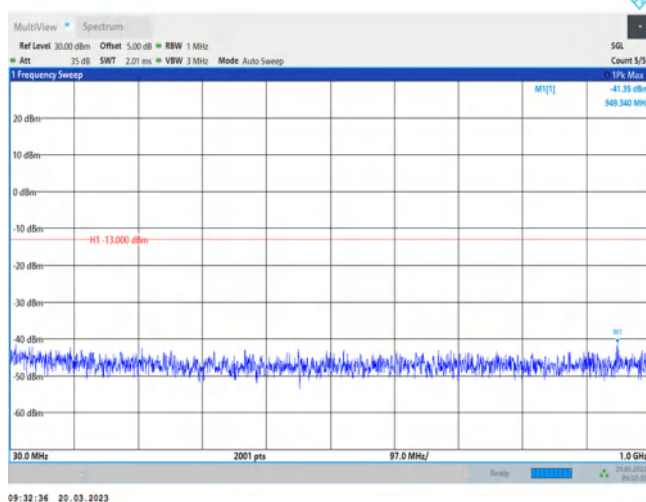
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



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



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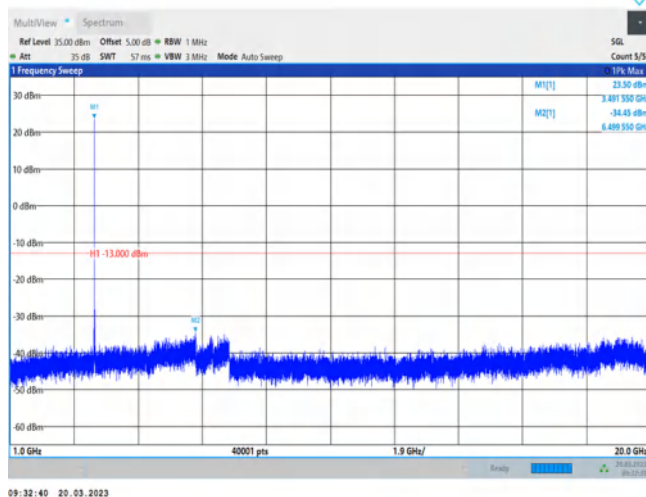
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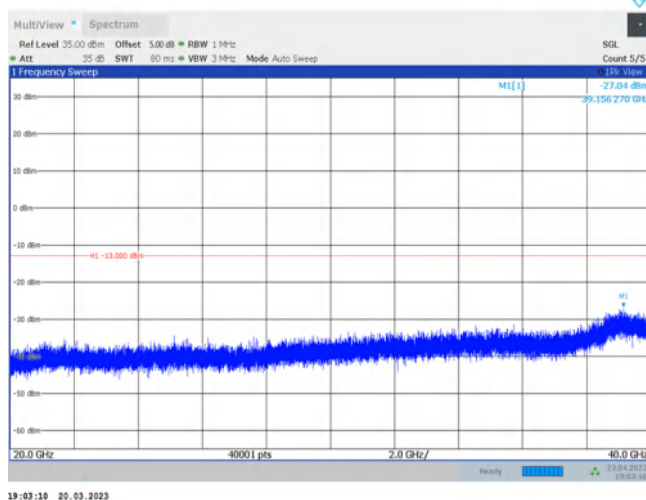
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



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



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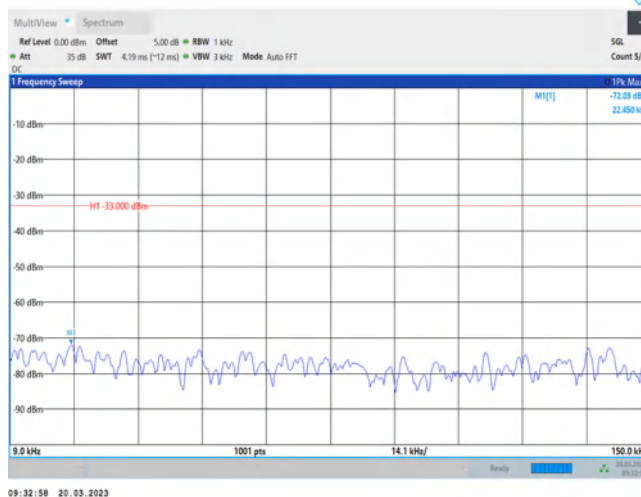
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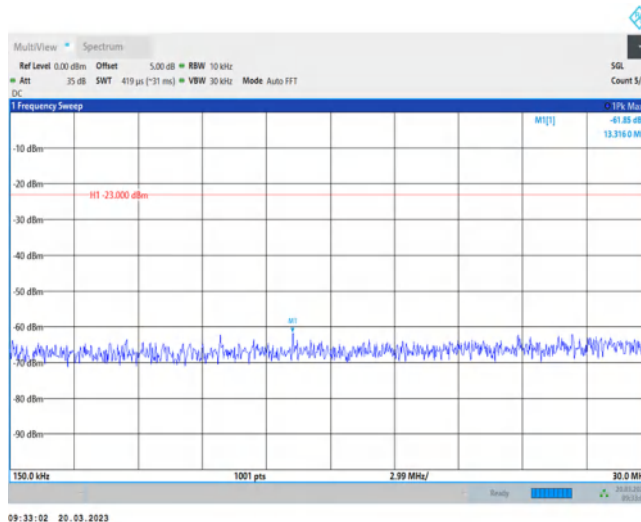
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



Band42-20MHz-QPSK-42990-1RB#0-Range2:0.15~30MHz



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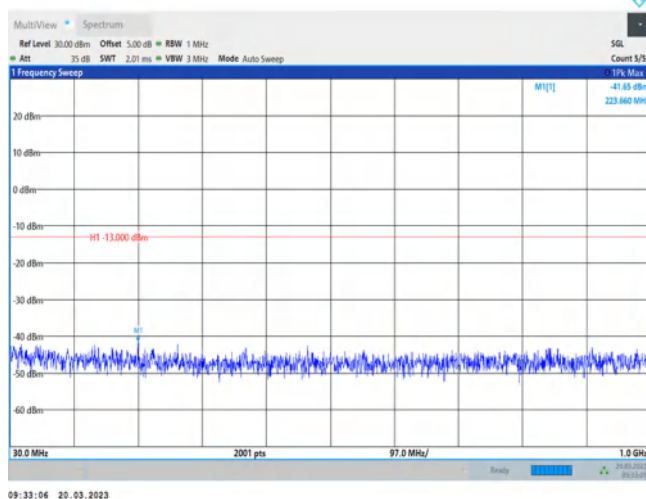
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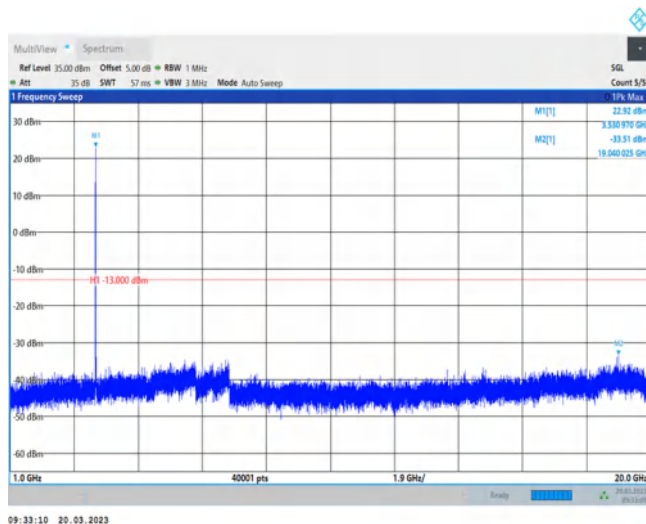
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Band42-20MHz-QPSK-42990-1RB#0-Range4:1000~20000MHz



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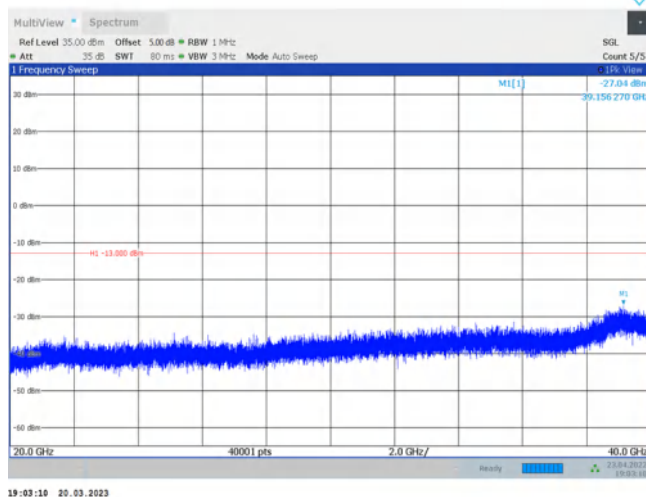
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Band42-20MHz-QPSK-42990-1RB#0-Range5:20000~40000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 42 _20MHz_3450~3550_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6037	43.49	-44.48	34.14	-62.10	-13.00	49.10	179	352	Horizontal
2	6902.1800	41.98	-43.85	35.96	-61.17	-13.00	48.17	217	360	Horizontal
3	9366.0833	40.44	-39.73	38.46	-56.09	-13.00	43.09	148	244	Horizontal
4	10353.2700	36.38	-39.07	38.85	-59.11	-13.00	46.11	229	79	Horizontal
5	13804.3600	35.20	-36.14	39.96	-56.23	-13.00	43.23	265	325	Horizontal
6	17255.4500	34.96	-35.27	38.68	-56.89	-13.00	43.89	173	292	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	5156.1667	46.23	-45.29	32.97	-61.36	-13.00	48.36	274	97	Vertical
2	6902.0833	47.04	-43.86	35.96	-56.11	-13.00	43.11	196	114	Vertical
3	9320.5833	39.80	-39.97	38.43	-57.00	-13.00	44.00	251	244	Vertical
4	10353.2700	36.82	-39.07	38.85	-58.67	-13.00	45.67	168	114	Vertical
5	13804.3600	35.11	-36.14	39.96	-56.32	-13.00	43.32	256	79	Vertical
6	17255.4500	35.04	-35.27	38.68	-56.81	-13.00	43.81	233	359	Vertical



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Test Band = LTE Band 42_20MHz_ 3450~3550_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	50.61	-45.23	32.44	-57.44	-13.00	44.44	258	64	Horizontal
2	6982.1800	42.58	-43.32	36.06	-59.95	-13.00	46.95	305	245	Horizontal
3	9360.8333	40.37	-39.76	38.46	-56.19	-13.00	43.19	179	195	Horizontal
4	10473.2700	36.39	-38.72	38.93	-58.66	-13.00	45.66	244	357	Horizontal
5	13964.3600	33.84	-35.74	40.11	-57.05	-13.00	44.05	185	64	Horizontal
6	17455.4500	33.87	-35.00	39.05	-57.35	-13.00	44.35	205	260	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	5156.1667	45.42	-45.29	32.97	-62.17	-13.00	49.17	285	82	Vertical
2	6982.1800	44.42	-43.32	36.06	-58.11	-13.00	45.11	169	146	Vertical
3	7969	45.74	-42.42	36.97	-54.97	-13.00	41.97	138	212	Vertical
4	10473.2700	36.55	-38.72	38.93	-58.50	-13.00	45.50	256	359	Vertical
5	13964.3600	34.18	-35.74	40.11	-56.71	-13.00	43.71	274	294	Vertical
6	17455.4500	34.17	-35.00	39.05	-57.05	-13.00	44.05	184	3	Vertical



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Test Band = LTE Band 42 _20MHz_3450~3550_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5300.8333	43.49	-44.86	32.89	-63.74	-13.00	50.74	400	115	Horizontal
2	7062.1800	40.03	-43.75	36.24	-62.74	-13.00	49.74	228	82	Horizontal
3	9367.8333	39.67	-39.72	38.47	-56.84	-13.00	43.84	156	295	Horizontal
4	10593.2700	35.64	-38.68	39.05	-59.25	-13.00	46.25	213	245	Horizontal
5	14124.3600	32.80	-35.49	40.20	-57.76	-13.00	44.76	149	34	Horizontal
6	17655.4500	32.49	-33.30	39.89	-56.18	-13.00	43.18	206	328	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	4843.5	52.46	-45.23	32.44	-55.59	-13.00	42.59	209	48	Vertical
2	7062.1800	41.19	-43.75	36.24	-61.58	-13.00	48.58	189	360	Vertical
3	9409.25	39.48	-39.61	38.49	-56.90	-13.00	43.90	246	360	Vertical
4	10593.2700	35.78	-38.68	39.05	-59.11	-13.00	46.11	218	259	Vertical
5	14124.3600	33.13	-35.49	40.20	-57.43	-13.00	44.43	277	96	Vertical
6	17655.4500	32.51	-33.30	39.89	-56.16	-13.00	43.16	165	146	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	-6.80	-0.001943	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	5.80	0.001657	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	-11.70	-0.003343	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	4.40	0.001257	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	2.10	0.000600	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	6.40	0.001829	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	3.50	0.001000	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	-9.40	-0.002686	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	2.00	0.000571	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	1.90	0.000543	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	0.60	0.000171	PASS

---End of Attachment---



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