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Appendix B.16

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	21.23	22.23	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#12	21.24	22.24	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#24	21.23	22.23	30.00	PASS
Band42	5MHz	QPSK	42115	25RB#0	20.29	21.29	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#0	21.03	22.03	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#12	21.08	22.08	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#24	21.07	22.07	30.00	PASS
Band42	5MHz	QPSK	42590	25RB#0	20.11	21.11	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#0	21.12	22.12	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#12	21.29	22.29	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#24	21.16	22.16	30.00	PASS
Band42	5MHz	QPSK	43065	25RB#0	20.17	21.17	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#0	20.34	21.34	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#12	20.25	21.25	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#24	20.1	21.1	30.00	PASS
Band42	5MHz	16QAM	42115	25RB#0	19.27	20.27	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#0	20.04	21.04	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#12	20.06	21.06	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#24	20.03	21.03	30.00	PASS
Band42	5MHz	16QAM	42590	25RB#0	19.1	20.1	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#0	20.12	21.12	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#12	20.18	21.18	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#24	20.12	21.12	30.00	PASS
Band42	5MHz	16QAM	43065	25RB#0	19.16	20.16	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#0	20.17	21.17	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#12	19.31	20.31	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#24	19.22	20.22	30.00	PASS
Band42	5MHz	64QAM	42115	25RB#0	18.27	19.27	30.00	PASS



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Band42	5MHz	64QAM	42590	1RB#0	19.19	20.19	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#12	19.14	20.14	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#24	19.19	20.19	30.00	PASS
Band42	5MHz	64QAM	42590	25RB#0	18.16	19.16	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#0	19.27	20.27	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#12	19.22	20.22	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#24	19.2	20.2	30.00	PASS
Band42	5MHz	64QAM	43065	25RB#0	18.15	19.15	30.00	PASS
Band42	5MHz	256QAM	42115	1RB#0	16.12	17.12	30.00	PASS
Band42	5MHz	256QAM	42115	1RB#12	16.24	17.24	30.00	PASS
Band42	5MHz	256QAM	42115	1RB#24	16.13	17.13	30.00	PASS
Band42	5MHz	256QAM	42115	25RB#0	16.3	17.3	30.00	PASS
Band42	5MHz	256QAM	42590	1RB#0	16.02	17.02	30.00	PASS
Band42	5MHz	256QAM	42590	1RB#12	16.07	17.07	30.00	PASS
Band42	5MHz	256QAM	42590	1RB#24	16.01	17.01	30.00	PASS
Band42	5MHz	256QAM	42590	25RB#0	16.12	17.12	30.00	PASS
Band42	5MHz	256QAM	43065	1RB#0	16.1	17.1	30.00	PASS
Band42	5MHz	256QAM	43065	1RB#12	16.12	17.12	30.00	PASS
Band42	5MHz	256QAM	43065	1RB#24	16.08	17.08	30.00	PASS
Band42	5MHz	256QAM	43065	25RB#0	16.16	17.16	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#0	21.2	22.2	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#24	21.27	22.27	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#49	21.2	22.2	30.00	PASS
Band42	10MHz	QPSK	42140	50RB#0	20.27	21.27	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#0	21.05	22.05	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#24	21.12	22.12	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#49	21.05	22.05	30.00	PASS
Band42	10MHz	QPSK	42590	50RB#0	20.16	21.16	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#0	21.16	22.16	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#24	21.21	22.21	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#49	21.15	22.15	30.00	PASS
Band42	10MHz	QPSK	43040	50RB#0	20.18	21.18	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#0	20.19	21.19	30.00	PASS



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Band42	10MHz	16QAM	42140	1RB#49	20.15	21.15	30.00	PASS
Band42	10MHz	16QAM	42140	50RB#0	19.29	20.29	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#0	20.03	21.03	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#24	20.01	21.01	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#49	20.04	21.04	30.00	PASS
Band42	10MHz	16QAM	42590	50RB#0	19.12	20.12	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#0	20.12	21.12	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#24	20.19	21.19	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#49	20.08	21.08	30.00	PASS
Band42	10MHz	16QAM	43040	50RB#0	19.17	20.17	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#0	19.24	20.24	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#24	19.37	20.37	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#49	19.21	20.21	30.00	PASS
Band42	10MHz	64QAM	42140	50RB#0	18.27	19.27	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#0	19.16	20.16	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#24	19.19	20.19	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#49	19.09	20.09	30.00	PASS
Band42	10MHz	64QAM	42590	50RB#0	18.13	19.13	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#0	19.15	20.15	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#24	19.27	20.27	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#49	19.19	20.19	30.00	PASS
Band42	10MHz	64QAM	43040	50RB#0	18.19	19.19	30.00	PASS
Band42	10MHz	256QAM	42140	1RB#0	16.28	17.28	30.00	PASS
Band42	10MHz	256QAM	42140	1RB#24	16.26	17.26	30.00	PASS
Band42	10MHz	256QAM	42140	1RB#49	16.22	17.22	30.00	PASS
Band42	10MHz	256QAM	42140	50RB#0	16.28	17.28	30.00	PASS
Band42	10MHz	256QAM	42590	1RB#0	16.06	17.06	30.00	PASS
Band42	10MHz	256QAM	42590	1RB#24	16.13	17.13	30.00	PASS
Band42	10MHz	256QAM	42590	1RB#49	15.97	16.97	30.00	PASS
Band42	10MHz	256QAM	42590	50RB#0	16.13	17.13	30.00	PASS
Band42	10MHz	256QAM	43040	1RB#0	15.98	16.98	30.00	PASS
Band42	10MHz	256QAM	43040	1RB#24	16.25	17.25	30.00	PASS



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Band42	10MHz	256QAM	43040	1RB#49	16.13	17.13	30.00	PASS
Band42	10MHz	256QAM	43040	50RB#0	16.15	17.15	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#0	20.94	21.94	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#38	21.05	22.05	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#74	20.98	21.98	30.00	PASS
Band42	15MHz	QPSK	42165	75RB#0	20.12	21.12	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#0	20.84	21.84	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#38	20.9	21.9	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#74	20.89	21.89	30.00	PASS
Band42	15MHz	QPSK	42590	75RB#0	20	21	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#0	20.89	21.89	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#38	20.96	21.96	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#74	21.03	22.03	30.00	PASS
Band42	15MHz	QPSK	43015	75RB#0	20.13	21.13	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#0	20	21	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#38	20.02	21.02	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#74	19.88	20.88	30.00	PASS
Band42	15MHz	16QAM	42165	75RB#0	19.14	20.14	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#0	19.82	20.82	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#38	19.9	20.9	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#74	19.67	20.67	30.00	PASS
Band42	15MHz	16QAM	42590	75RB#0	19.01	20.01	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#0	19.91	20.91	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#38	20	21	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#74	20	21	30.00	PASS
Band42	15MHz	16QAM	43015	75RB#0	19.13	20.13	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#0	19.04	20.04	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#38	19.14	20.14	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#74	19.06	20.06	30.00	PASS
Band42	15MHz	64QAM	42165	75RB#0	18.11	19.11	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#0	18.93	19.93	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#38	18.95	19.95	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#74	18.86	19.86	30.00	PASS



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Band42	15MHz	64QAM	43015	1RB#0	19.08	20.08	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#38	19.11	20.11	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#74	19.04	20.04	30.00	PASS
Band42	15MHz	64QAM	43015	75RB#0	18.1	19.1	30.00	PASS
Band42	15MHz	256QAM	42165	1RB#0	16.07	17.07	30.00	PASS
Band42	15MHz	256QAM	42165	1RB#38	16.06	17.06	30.00	PASS
Band42	15MHz	256QAM	42165	1RB#74	16	17	30.00	PASS
Band42	15MHz	256QAM	42165	75RB#0	16.09	17.09	30.00	PASS
Band42	15MHz	256QAM	42590	1RB#0	15.71	16.71	30.00	PASS
Band42	15MHz	256QAM	42590	1RB#38	15.96	16.96	30.00	PASS
Band42	15MHz	256QAM	42590	1RB#74	15.92	16.92	30.00	PASS
Band42	15MHz	256QAM	42590	75RB#0	16.02	17.02	30.00	PASS
Band42	15MHz	256QAM	43015	1RB#0	15.84	16.84	30.00	PASS
Band42	15MHz	256QAM	43015	1RB#38	16.01	17.01	30.00	PASS
Band42	15MHz	256QAM	43015	1RB#74	16.12	17.12	30.00	PASS
Band42	15MHz	256QAM	43015	75RB#0	16.11	17.11	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#0	20.9	21.9	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#49	21.01	22.01	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#99	21	22	30.00	PASS
Band42	20MHz	QPSK	42190	100RB#0	20.12	21.12	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#0	20.78	21.78	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#49	20.89	21.89	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#99	20.89	21.89	30.00	PASS
Band42	20MHz	QPSK	42590	100RB#0	20	21	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#0	20.96	21.96	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#49	21.07	22.07	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#99	20.93	21.93	30.00	PASS
Band42	20MHz	QPSK	42990	100RB#0	20.03	21.03	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#0	19.98	20.98	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#49	20.03	21.03	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#99	19.91	20.91	30.00	PASS
Band42	20MHz	16QAM	42190	100RB#0	19.1	20.1	30.00	PASS



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Band42	20MHz	16QAM	42590	1RB#0	19.83	20.83	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#49	19.97	20.97	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#99	19.74	20.74	30.00	PASS
Band42	20MHz	16QAM	42590	100RB#0	18.99	19.99	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#0	19.88	20.88	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#49	19.86	20.86	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#99	19.89	20.89	30.00	PASS
Band42	20MHz	16QAM	42990	100RB#0	19.03	20.03	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#0	19.1	20.1	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#49	19.16	20.16	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#99	19	20	30.00	PASS
Band42	20MHz	64QAM	42190	100RB#0	18.17	19.17	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#0	18.95	19.95	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#49	18.97	19.97	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#99	18.88	19.88	30.00	PASS
Band42	20MHz	64QAM	42590	100RB#0	18	19	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#0	18.94	19.94	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#49	19.06	20.06	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#99	18.98	19.98	30.00	PASS
Band42	20MHz	64QAM	42990	100RB#0	18.04	19.04	30.00	PASS
Band42	20MHz	256QAM	42190	1RB#0	15.97	16.97	30.00	PASS
Band42	20MHz	256QAM	42190	1RB#49	16	17	30.00	PASS
Band42	20MHz	256QAM	42190	1RB#99	15.96	16.96	30.00	PASS
Band42	20MHz	256QAM	42190	100RB#0	16.09	17.09	30.00	PASS
Band42	20MHz	256QAM	42590	1RB#0	15.81	16.81	30.00	PASS
Band42	20MHz	256QAM	42590	1RB#49	15.86	16.86	30.00	PASS
Band42	20MHz	256QAM	42590	1RB#99	15.9	16.9	30.00	PASS
Band42	20MHz	256QAM	42590	100RB#0	15.99	16.99	30.00	PASS
Band42	20MHz	256QAM	42990	1RB#0	16	17	30.00	PASS
Band42	20MHz	256QAM	42990	1RB#49	16.05	17.05	30.00	PASS
Band42	20MHz	256QAM	42990	1RB#99	15.98	16.98	30.00	PASS
Band42	20MHz	256QAM	42990	100RB#0	15.99	16.99	30.00	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	9.00	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	9.28	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	10.48	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	10.02	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	10.34	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	10.24	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	10.40	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	10.46	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	10.42	13	PASS
Band42	20MHz	256QAM	42190	100RB#0	10.46	13	PASS
Band42	20MHz	256QAM	42590	100RB#0	10.48	13	PASS
Band42	20MHz	256QAM	42990	100RB#0	10.48	13	PASS



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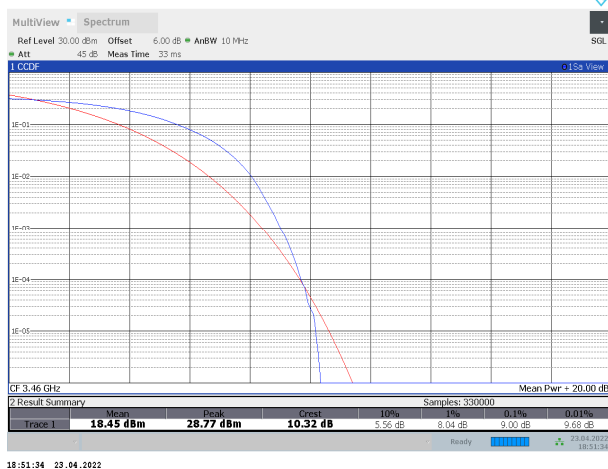
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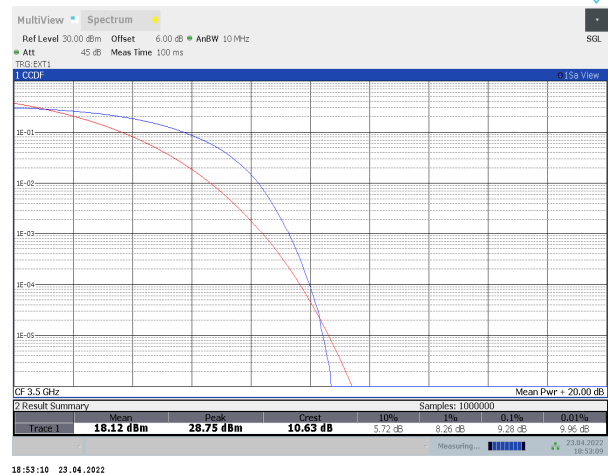
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Test Graphs

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



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



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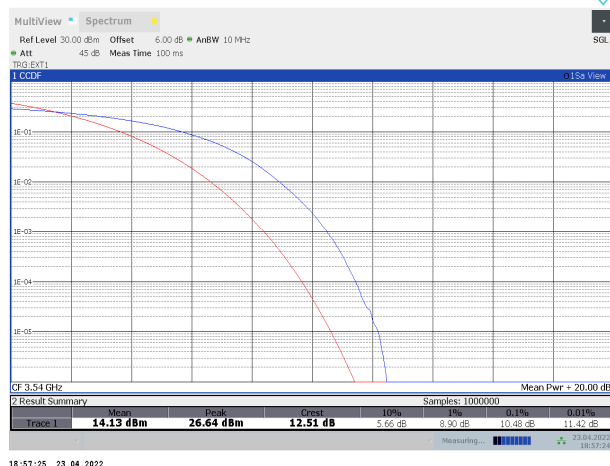
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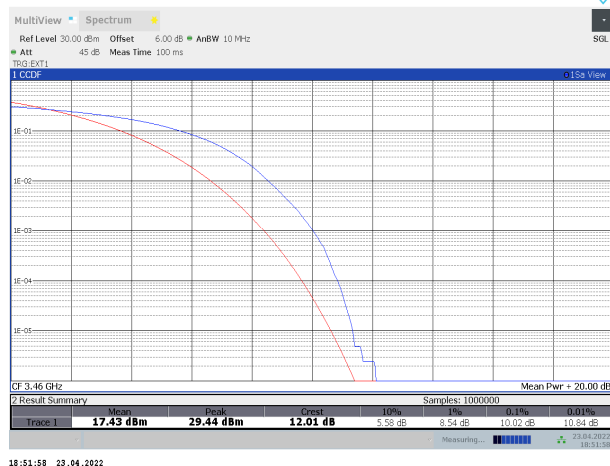
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Band42-20MHz-QPSK-42990-100RB#0



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



18:51:58 23.04.2022



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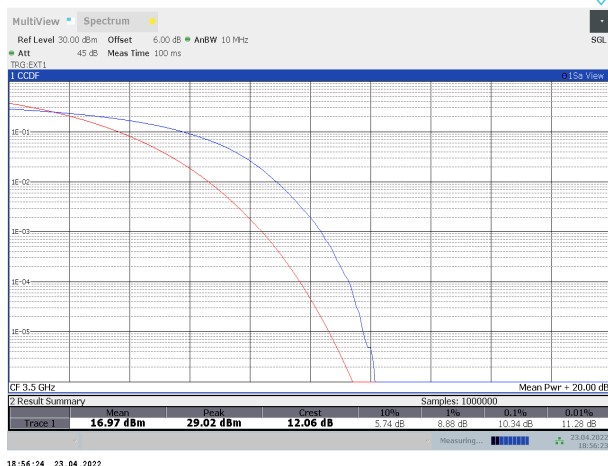
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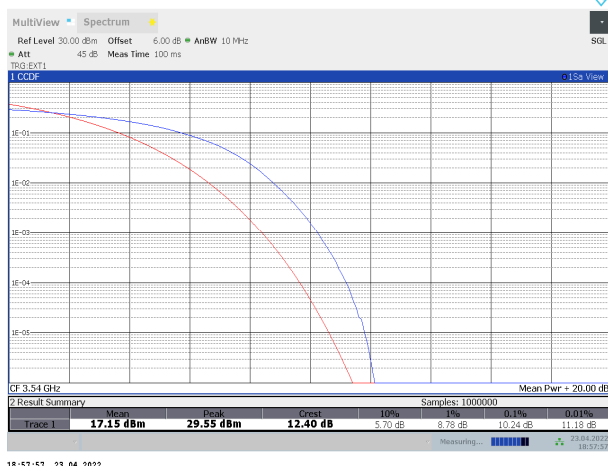
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Band42-20MHz-16QAM-42590-100RB#0



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



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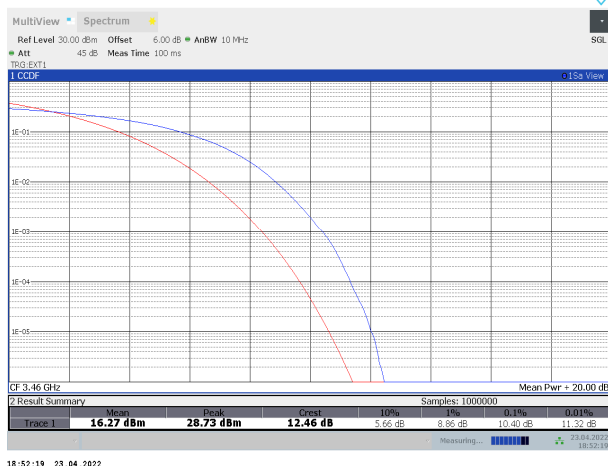
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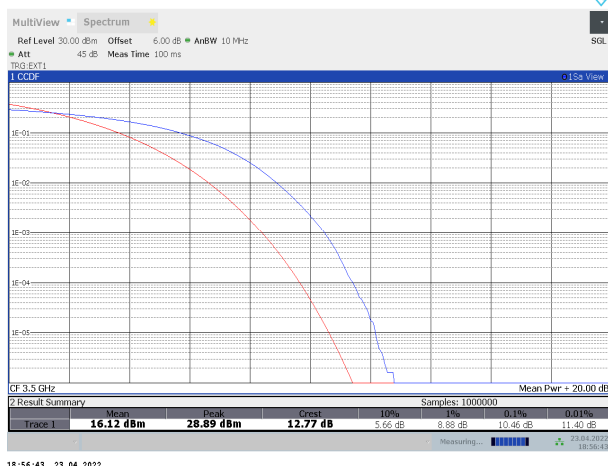
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Band42-20MHz-64QAM-42190-100RB#0



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



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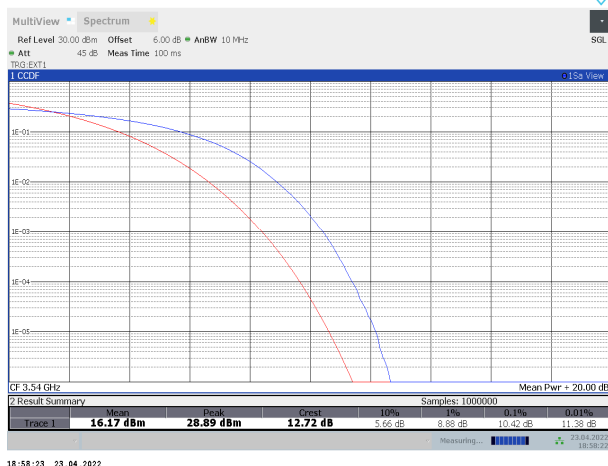
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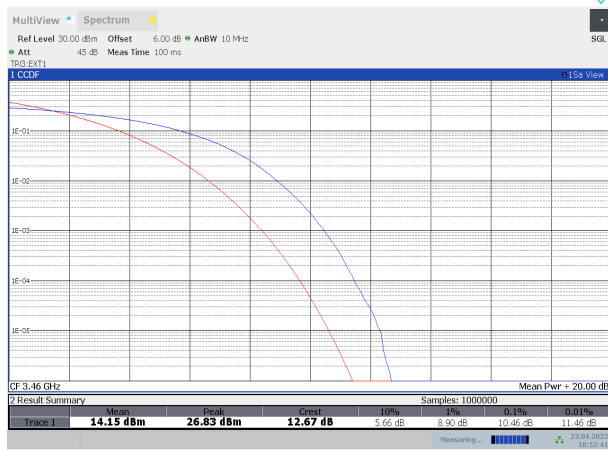
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Band42-20MHz-64QAM-42990-100RB#0



18:58:23 23.04.2022

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



18:52:41 23.04.2022



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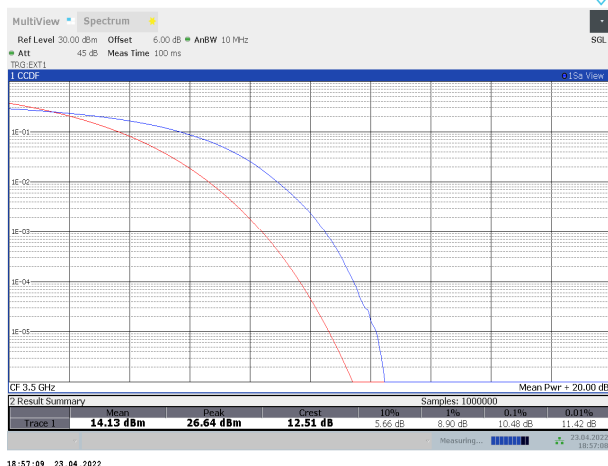
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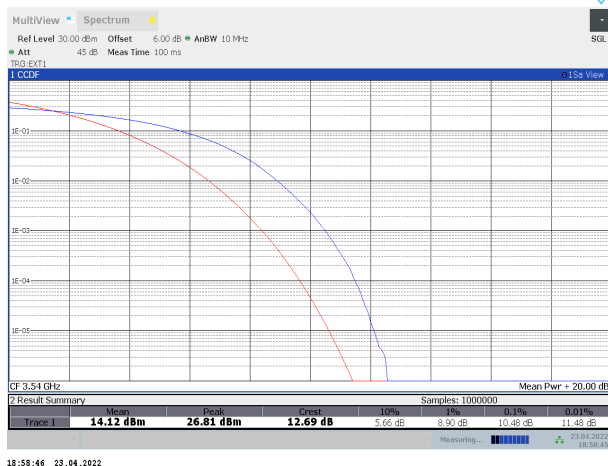
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Band42-20MHz-256QAM-42590-100RB#0



Band42-20MHz-256QAM-42990-100RB#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
Band42	5MHz	QPSK	42115	25RB#0	4.514	5.83	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.510	5.49	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.513	5.41	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.511	5.37	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.518	5.30	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.516	5.25	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.511	5.32	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.514	5.57	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.510	5.31	PASS
Band42	5MHz	256QAM	42115	25RB#0	4.508	5.34	PASS
Band42	5MHz	256QAM	42590	25RB#0	4.511	5.58	PASS
Band42	5MHz	256QAM	43065	25RB#0	4.517	5.41	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.996	10.63	PASS
Band42	10MHz	QPSK	42590	50RB#0	9.000	10.20	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.998	10.87	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.989	10.67	PASS
Band42	10MHz	16QAM	42590	50RB#0	9.009	10.77	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.988	10.27	PASS
Band42	10MHz	64QAM	42140	50RB#0	9.020	10.70	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.985	10.97	PASS
Band42	10MHz	64QAM	43040	50RB#0	9.014	10.80	PASS
Band42	10MHz	256QAM	42140	50RB#0	9.015	10.17	PASS
Band42	10MHz	256QAM	42590	50RB#0	9.015	11.13	PASS
Band42	10MHz	256QAM	43040	50RB#0	9.016	10.33	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.506	15.85	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.499	16.00	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.479	15.85	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.527	15.80	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.492	15.20	PASS





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Band42	15MHz	16QAM	43015	75RB#0	13.473	16.15	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.487	15.50	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.489	16.10	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.475	16.00	PASS
Band42	15MHz	256QAM	42165	75RB#0	13.521	16.00	PASS
Band42	15MHz	256QAM	42590	75RB#0	13.476	15.75	PASS
Band42	15MHz	256QAM	43015	75RB#0	13.504	16.15	PASS
Band42	20MHz	QPSK	42190	100RB#0	18.046	21.27	PASS
Band42	20MHz	QPSK	42590	100RB#0	18.020	22.40	PASS
Band42	20MHz	QPSK	42990	100RB#0	18.026	22.60	PASS
Band42	20MHz	16QAM	42190	100RB#0	18.042	22.13	PASS
Band42	20MHz	16QAM	42590	100RB#0	18.059	22.13	PASS
Band42	20MHz	16QAM	42990	100RB#0	18.034	20.80	PASS
Band42	20MHz	64QAM	42190	100RB#0	18.046	22.47	PASS
Band42	20MHz	64QAM	42590	100RB#0	18.008	21.67	PASS
Band42	20MHz	64QAM	42990	100RB#0	18.059	22.40	PASS
Band42	20MHz	256QAM	42190	100RB#0	18.055	22.60	PASS
Band42	20MHz	256QAM	42590	100RB#0	18.035	22.80	PASS
Band42	20MHz	256QAM	42990	100RB#0	18.020	21.27	PASS



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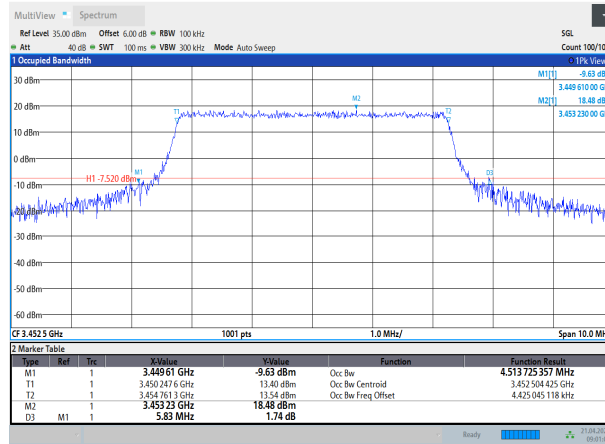
Report No.: SEWA2309000114RG09

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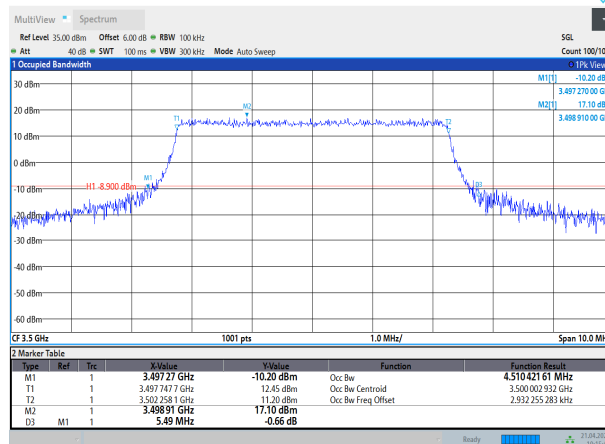
Test Graphs

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



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



10:15:43 21.04.2022



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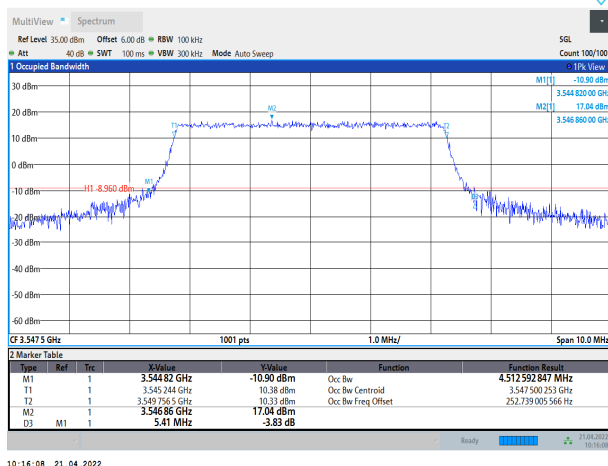
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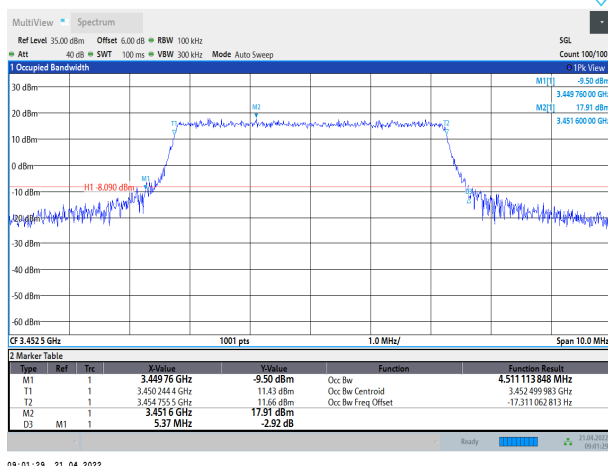
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Band42-5MHz-QPSK-43065-25RB#0



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



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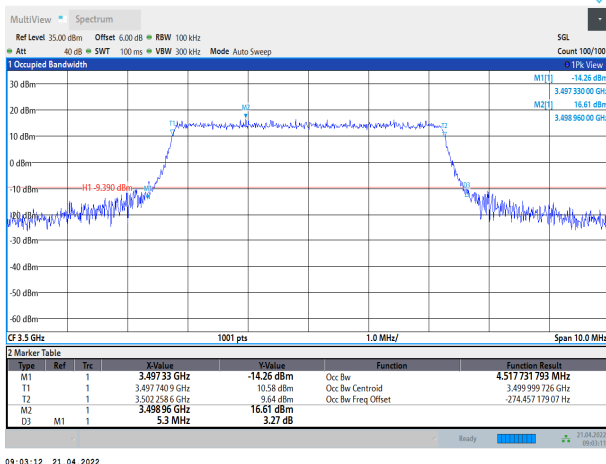
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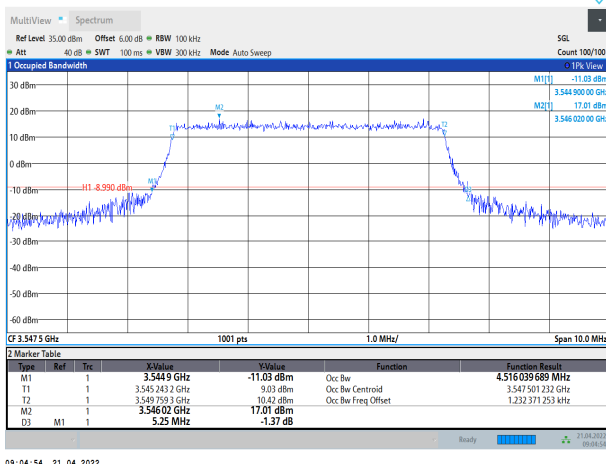
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Band42-5MHz-16QAM-42590-25RB#0



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



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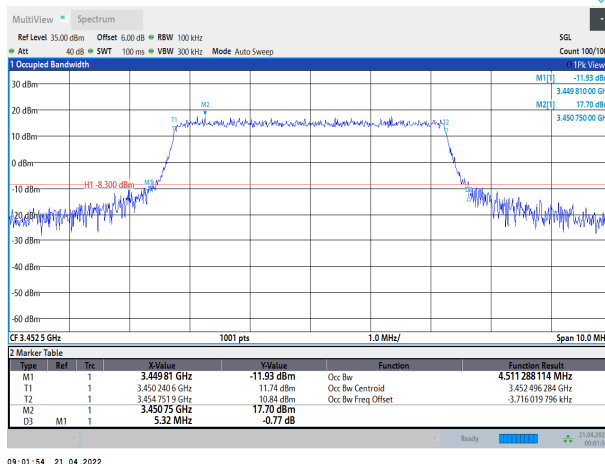
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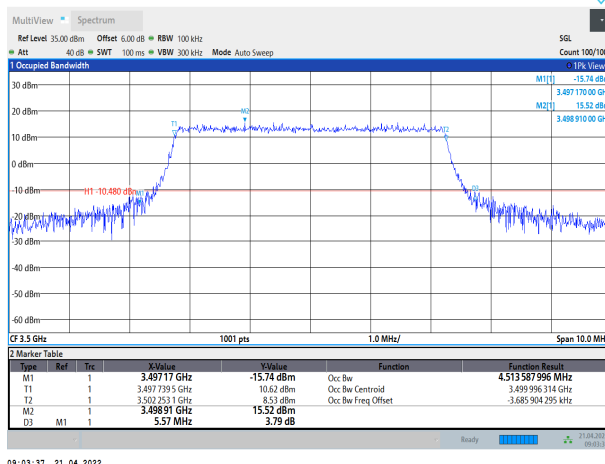
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Band42-5MHz-64QAM-42115-25RB#0



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



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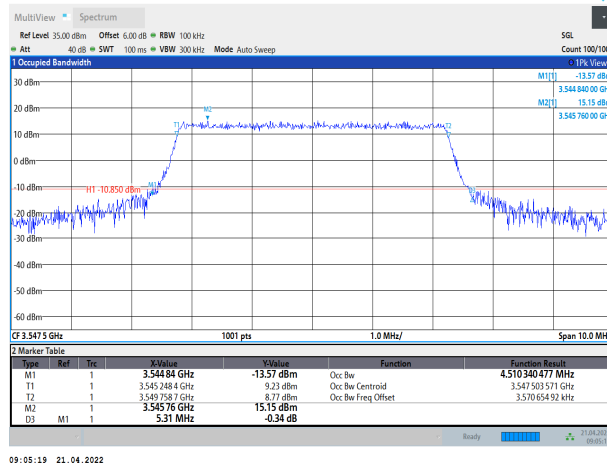
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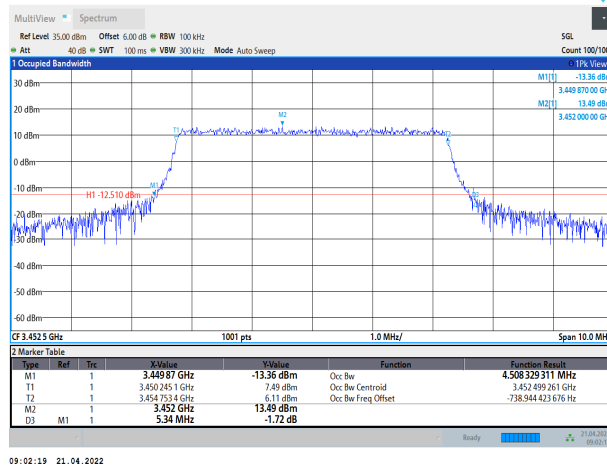
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Band42-5MHz-64QAM-43065-25RB#0



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



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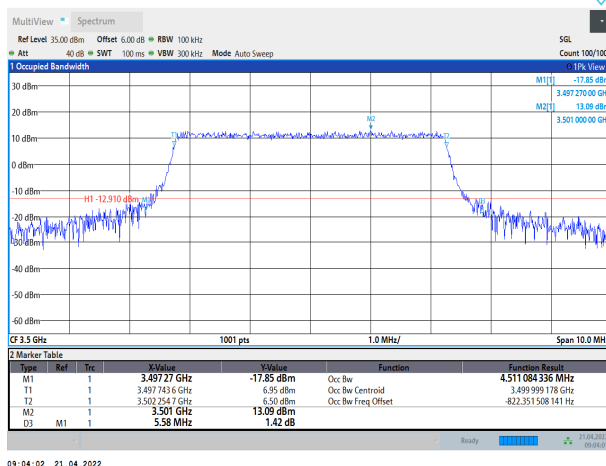
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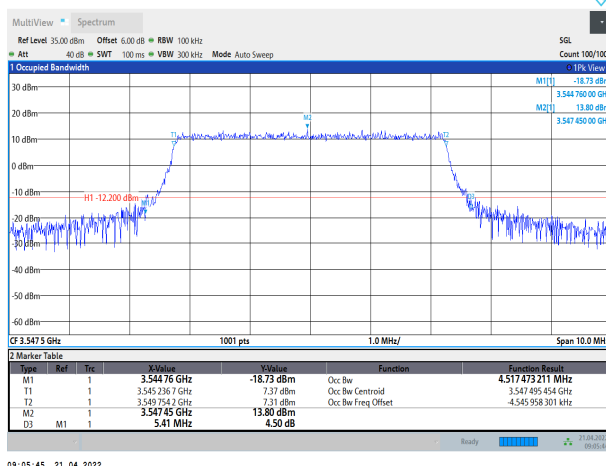
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Band42-5MHz-256QAM-43065-25RB#0



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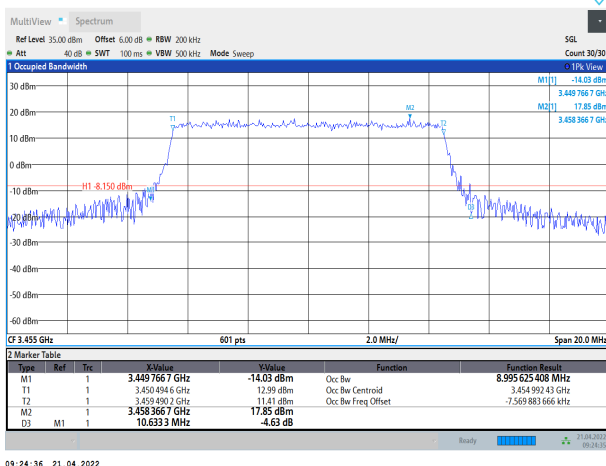
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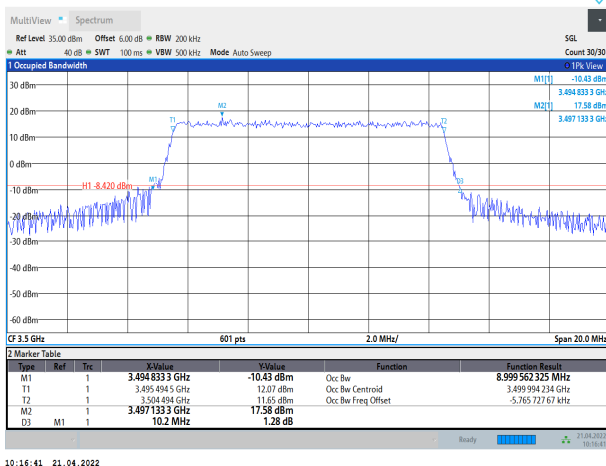
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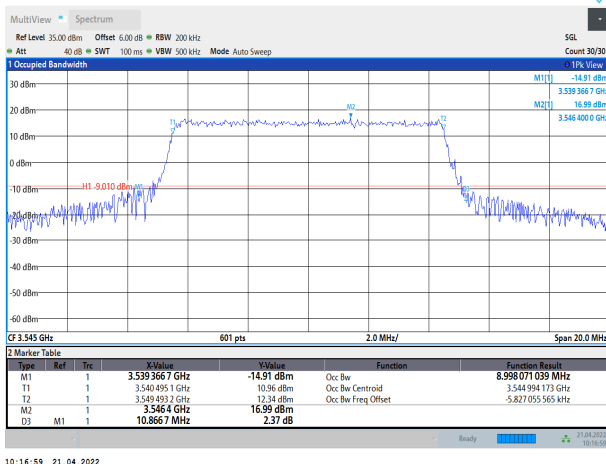
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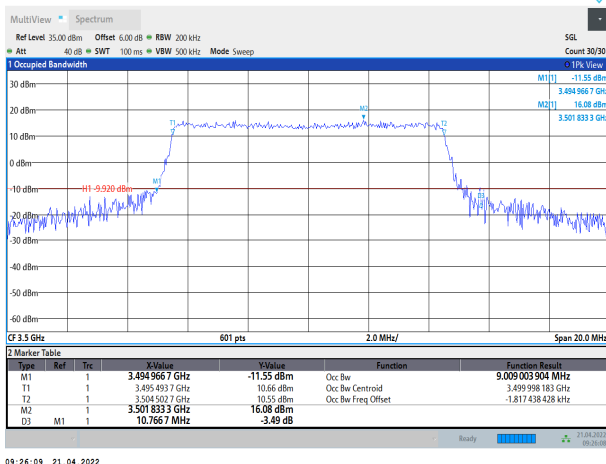
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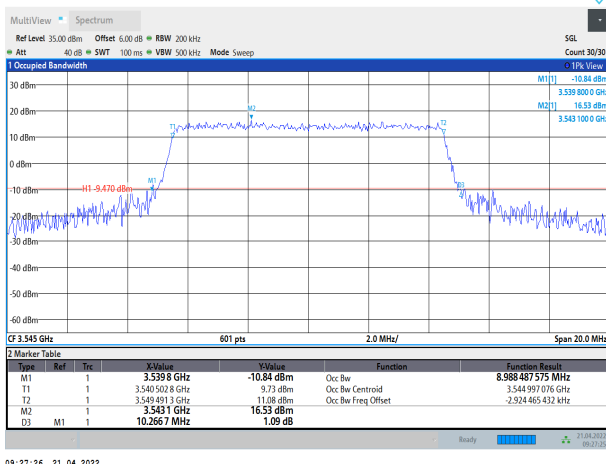
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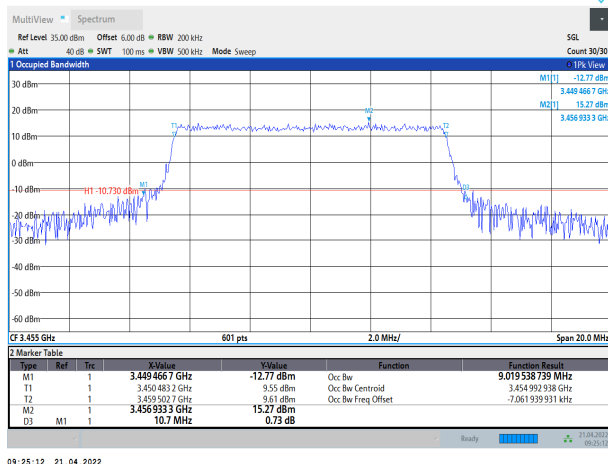
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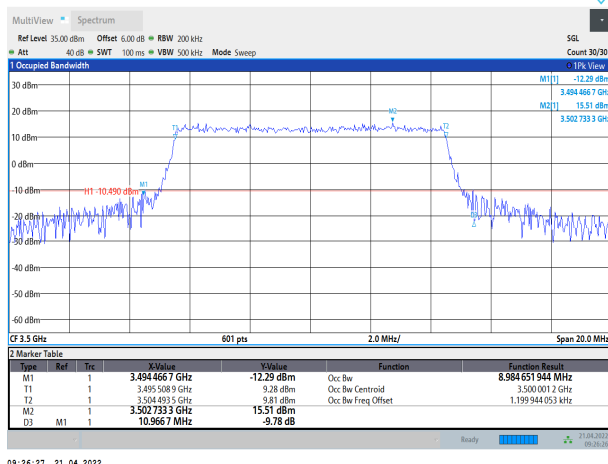
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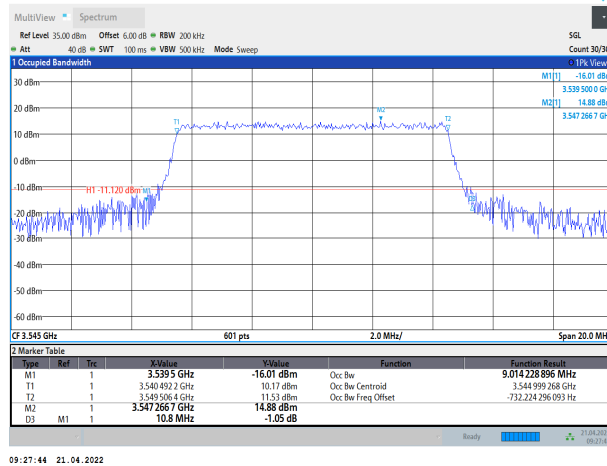
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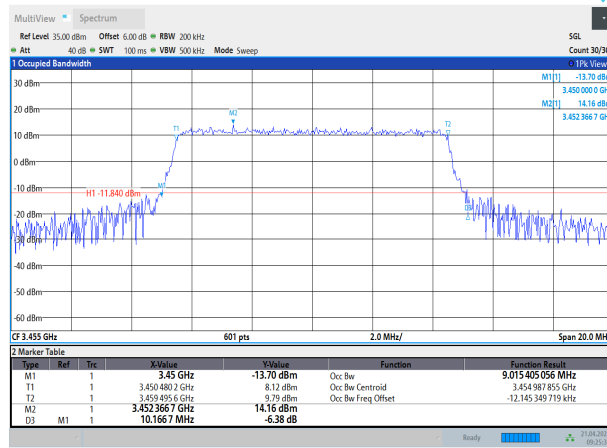
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Band42-10MHz-256QAM-42140-50RB#0



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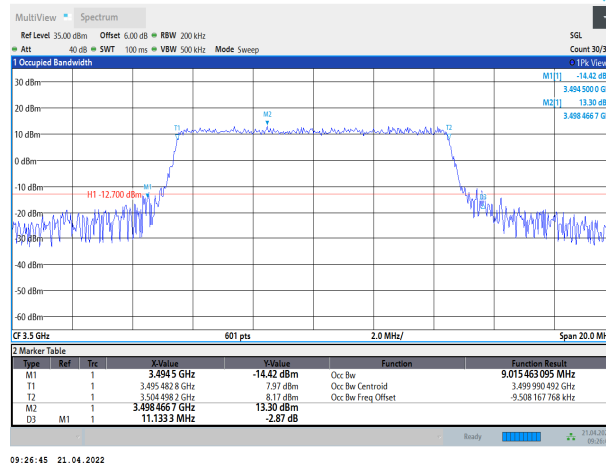
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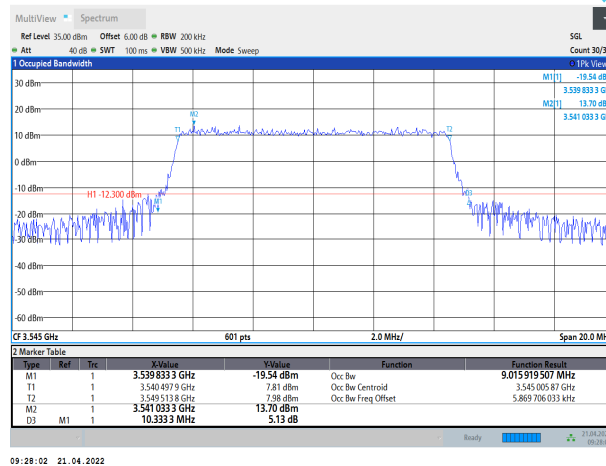
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Band42-10MHz-256QAM-43040-50RB#0



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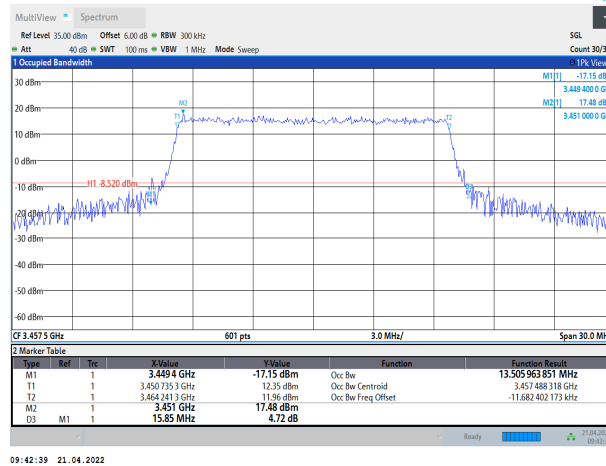
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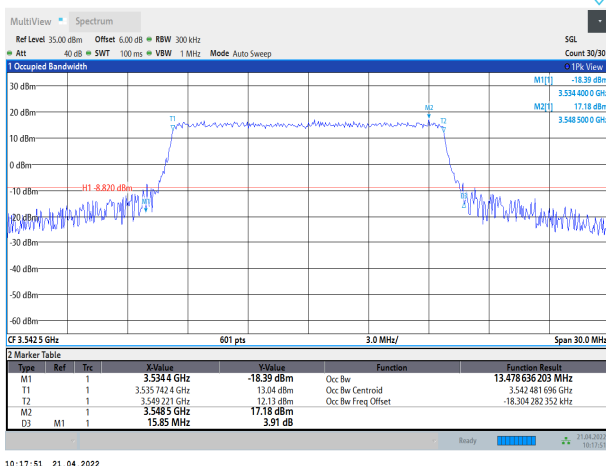
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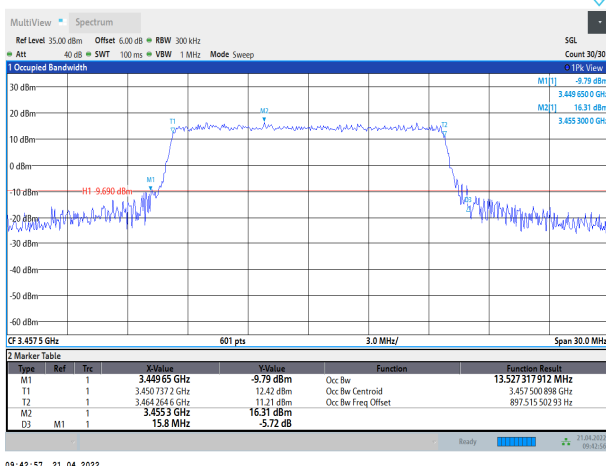
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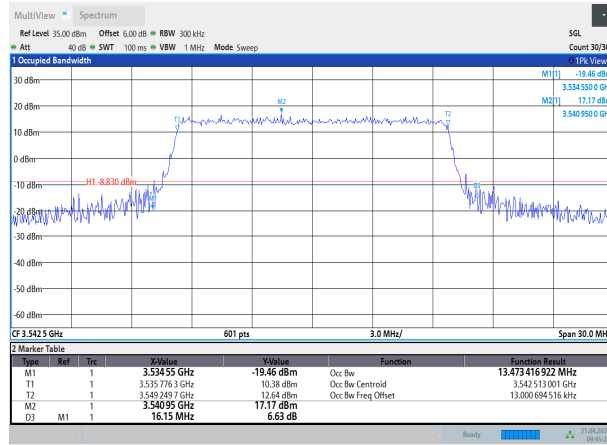
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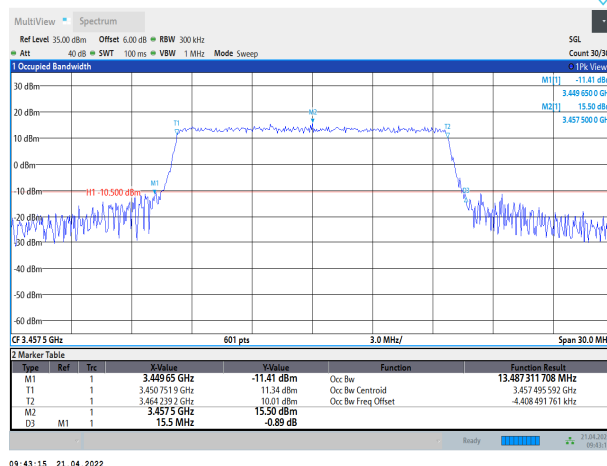
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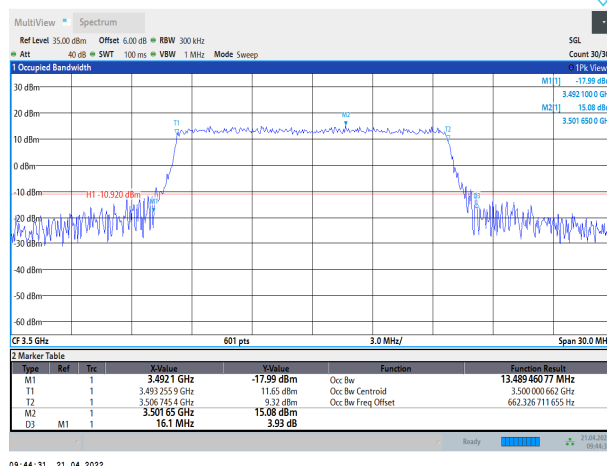
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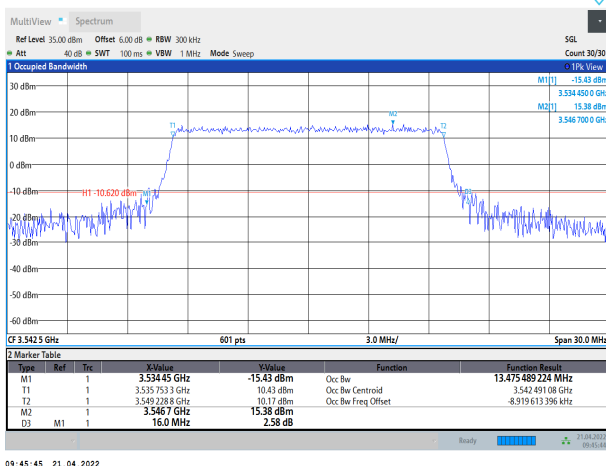
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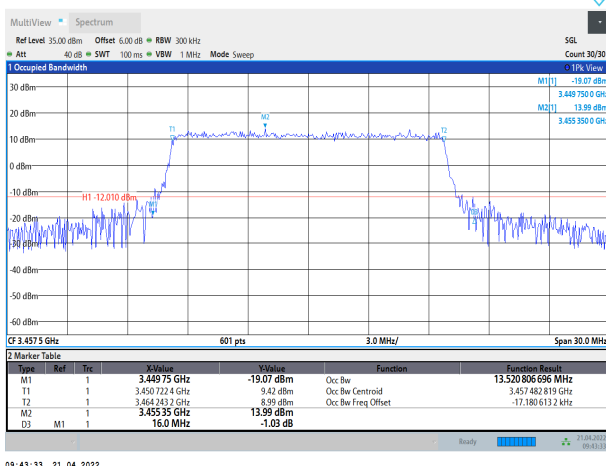
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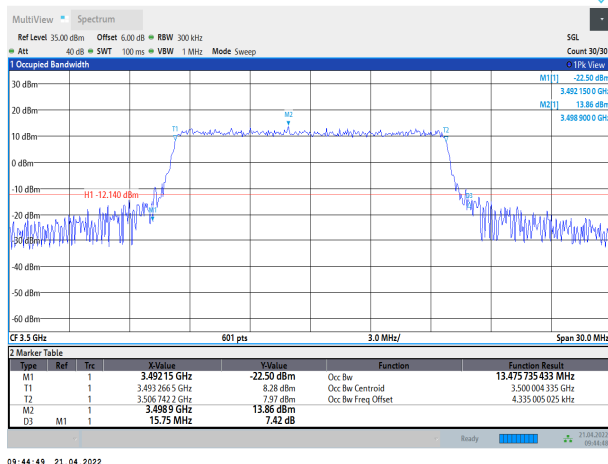
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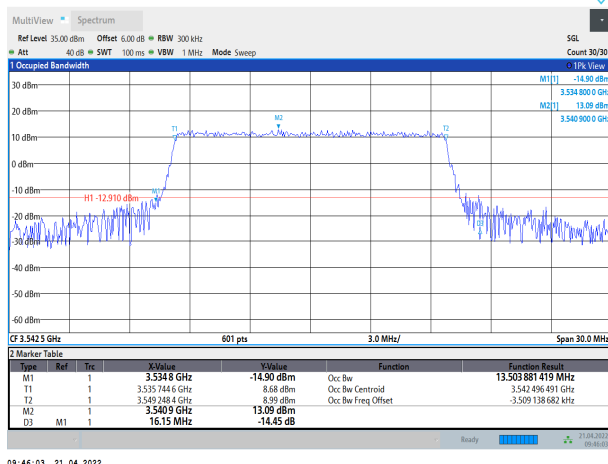
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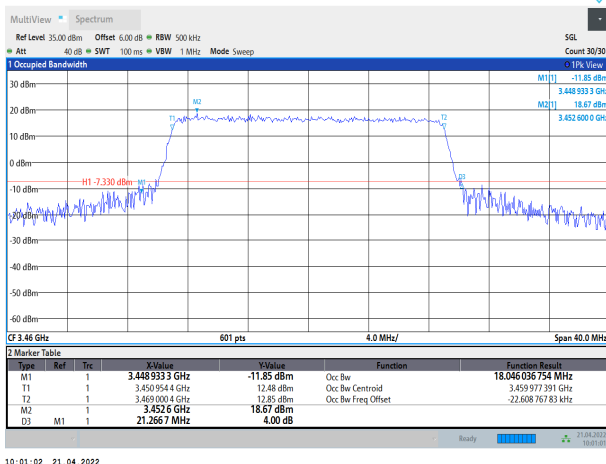
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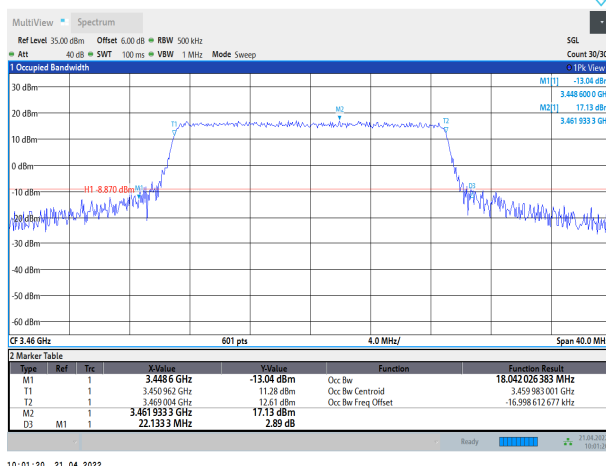
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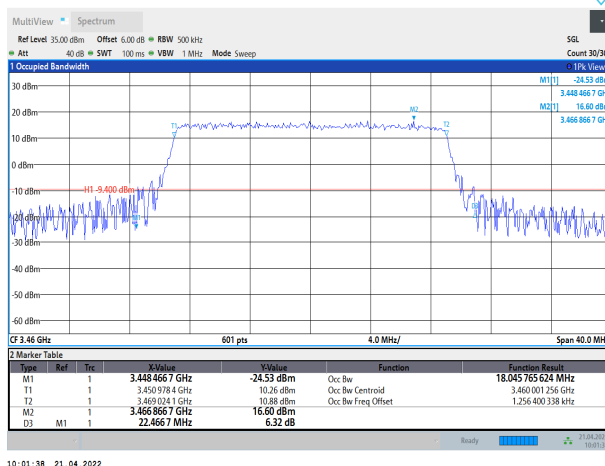
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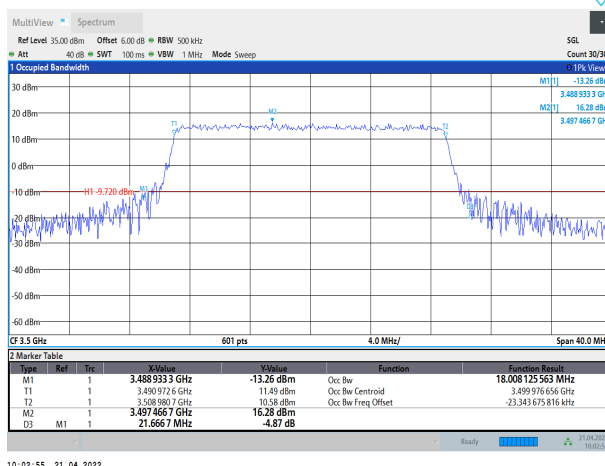
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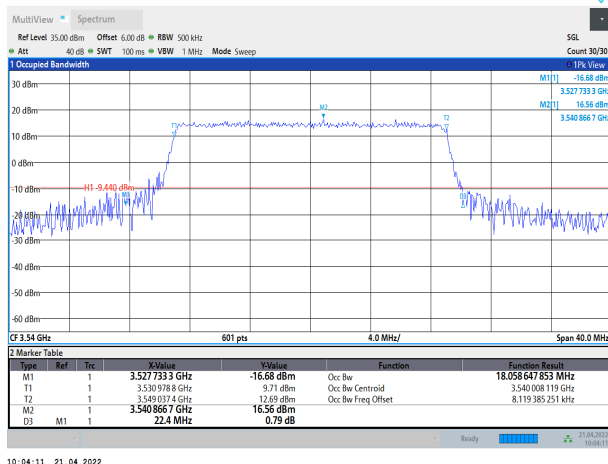
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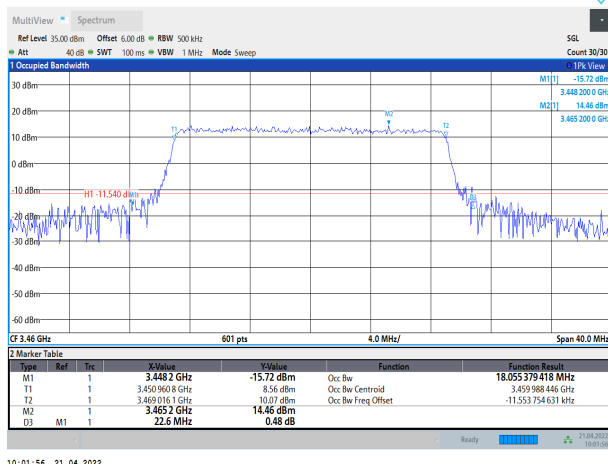
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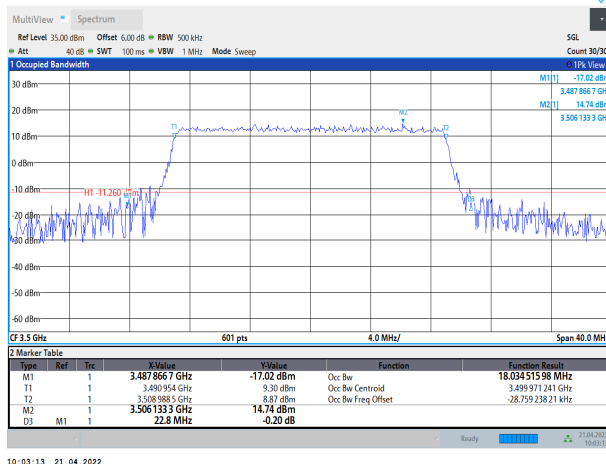
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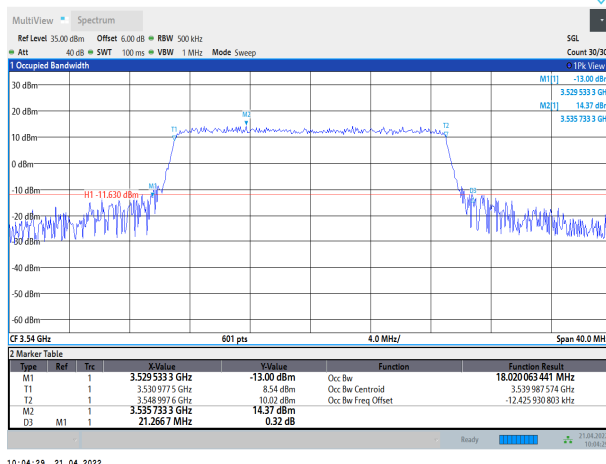
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Band42-20MHz-256QAM-42990-100RB#0



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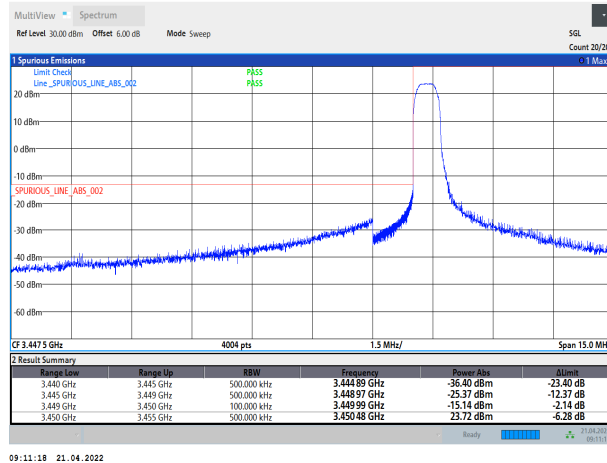
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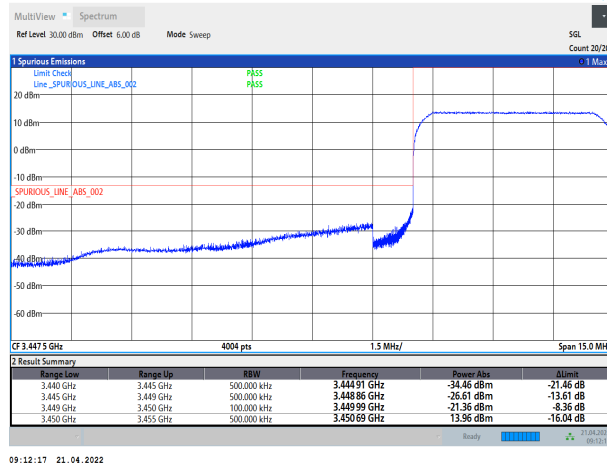
Band Edge

Test Graphs

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



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



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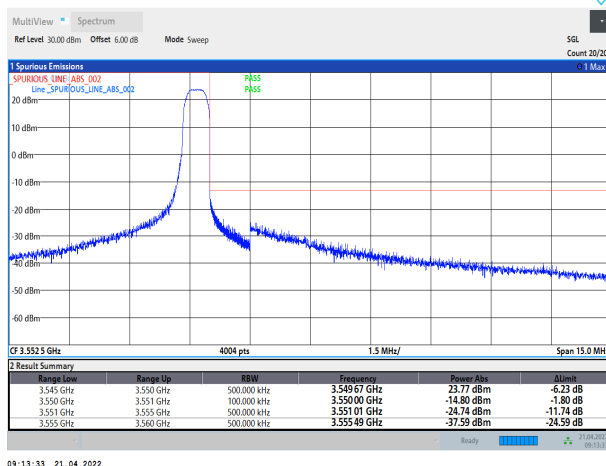
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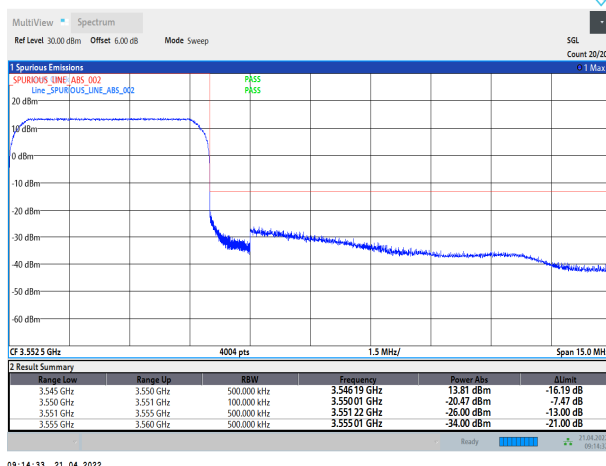
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Band42-5MHz-QPSK-43065-1RB#24



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

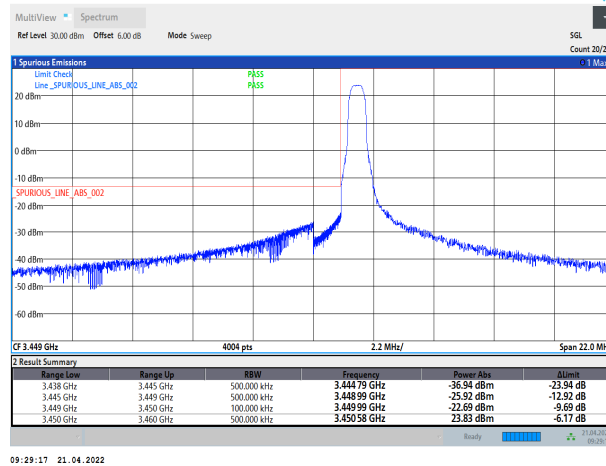


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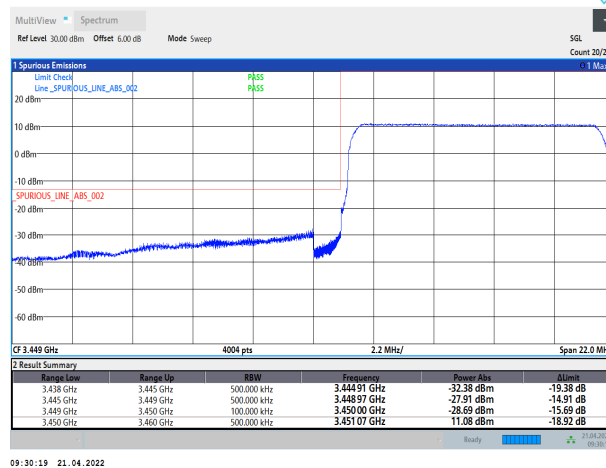
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Band42-10MHz-QPSK-42140-1RB#0



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



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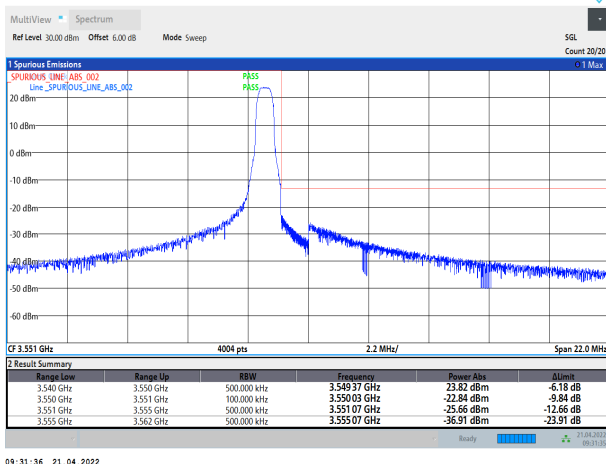
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Band42-10MHz-QPSK-43040-1RB#49



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



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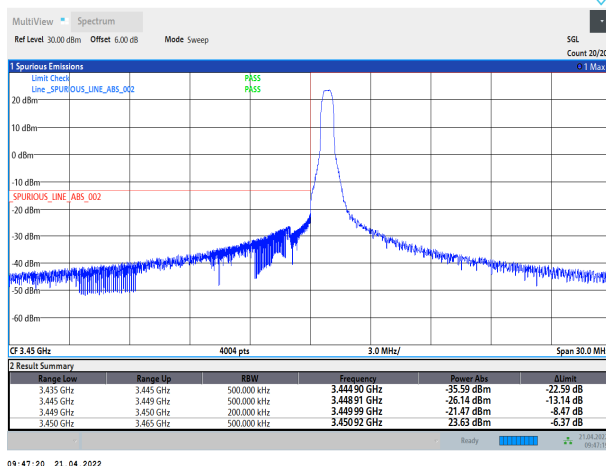
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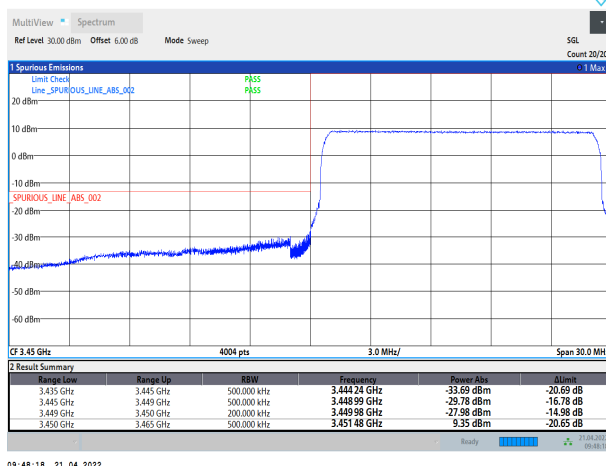
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Band42-15MHz-QPSK-42165-1RB#0



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



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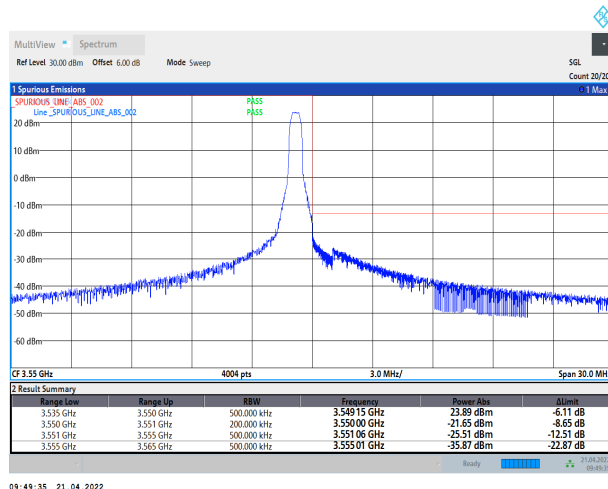
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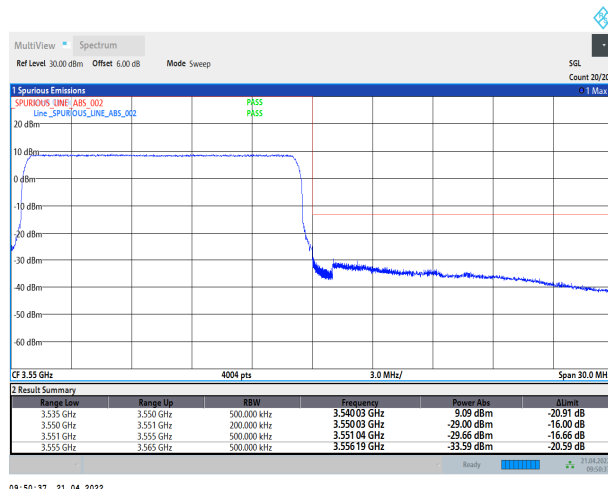
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Band42-15MHz-QPSK-43015-1RB#74



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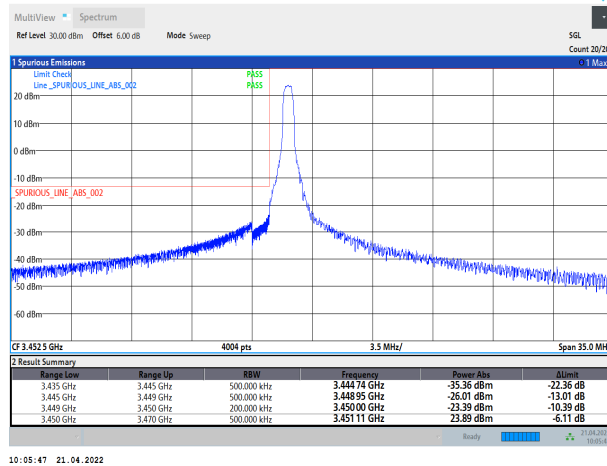
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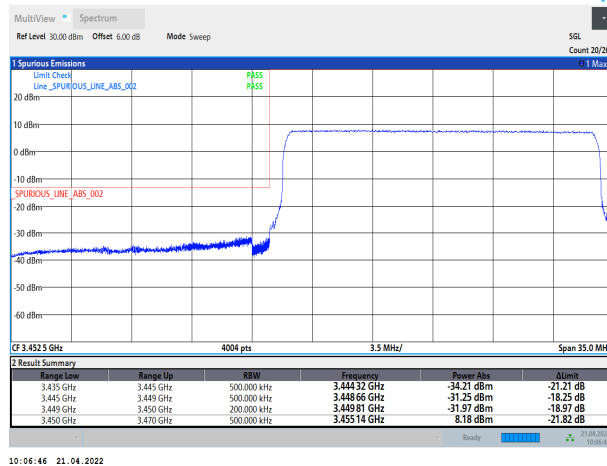
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Band42-20MHz-QPSK-42190-1RB#0



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



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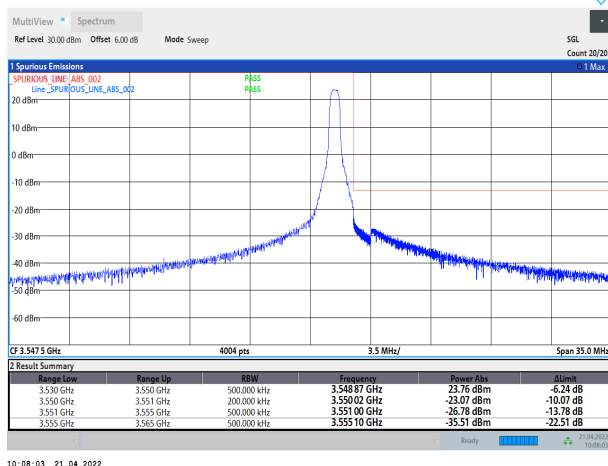
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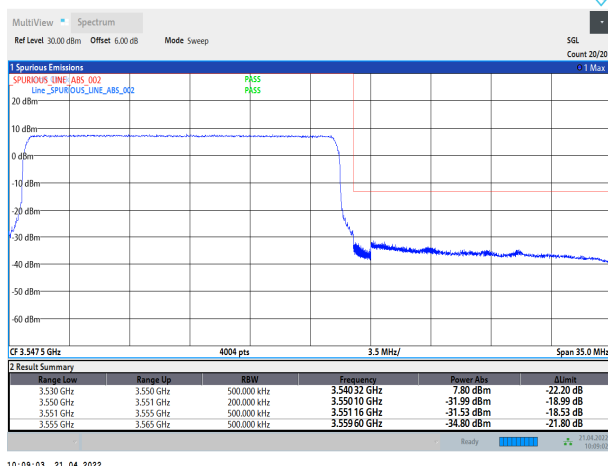
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Band42-20MHz-QPSK-42990-1RB#99



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



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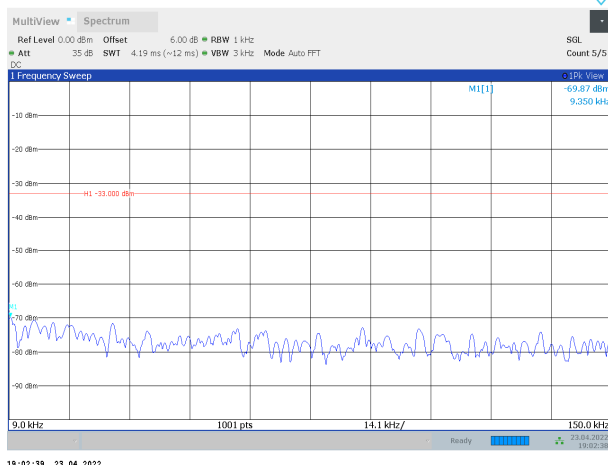
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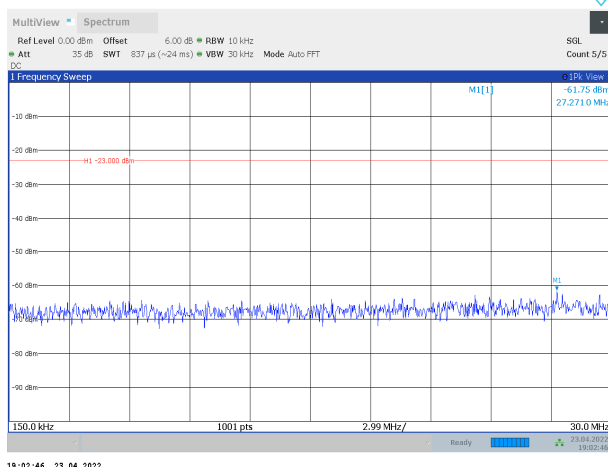
Conducted Spurious Emission

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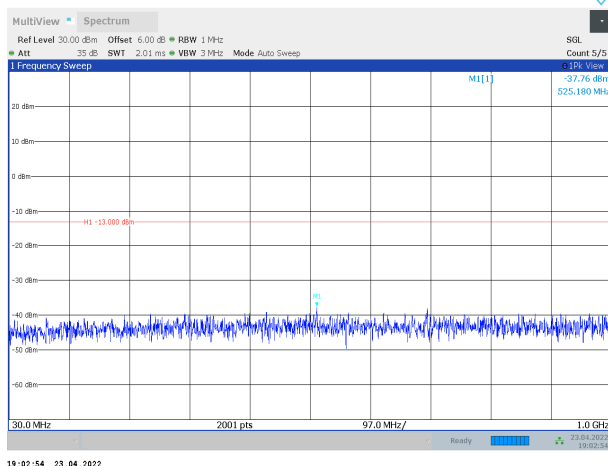
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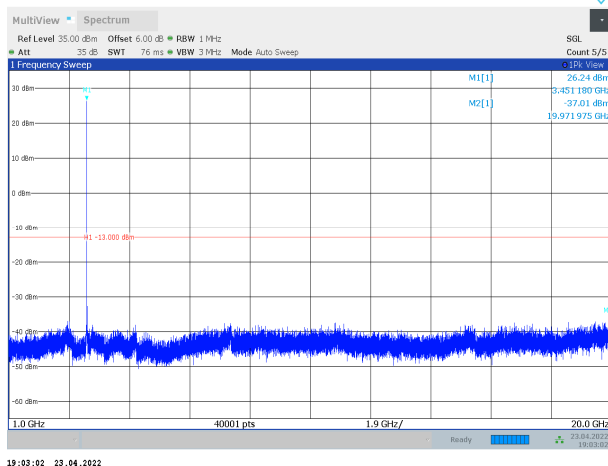
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Band42-20MHz-QPSK-42190-1RB#0-Range4:1000~20000MHz



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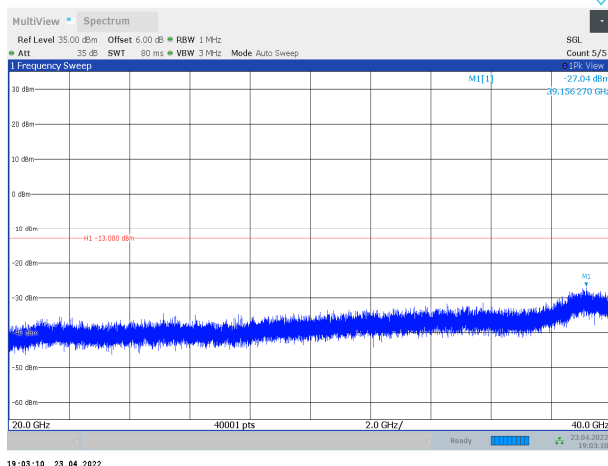
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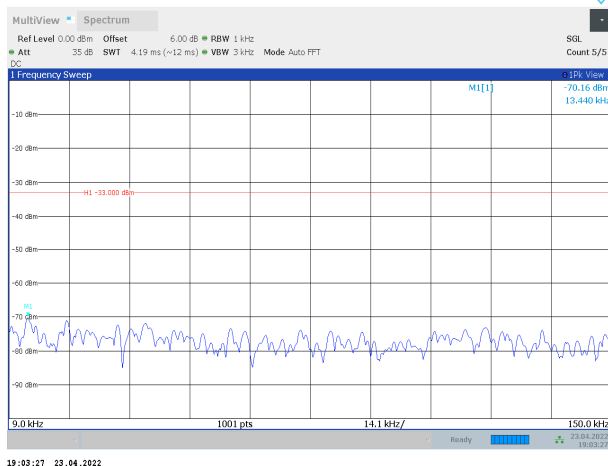
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



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



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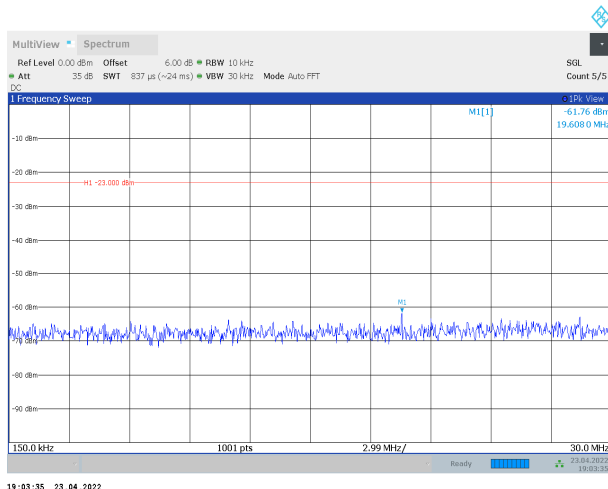
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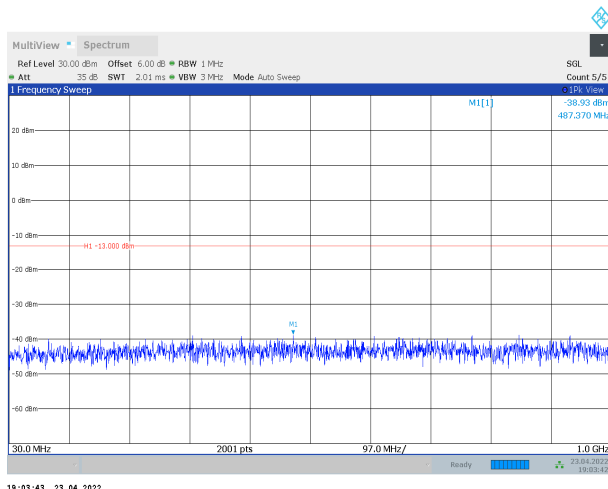
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



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



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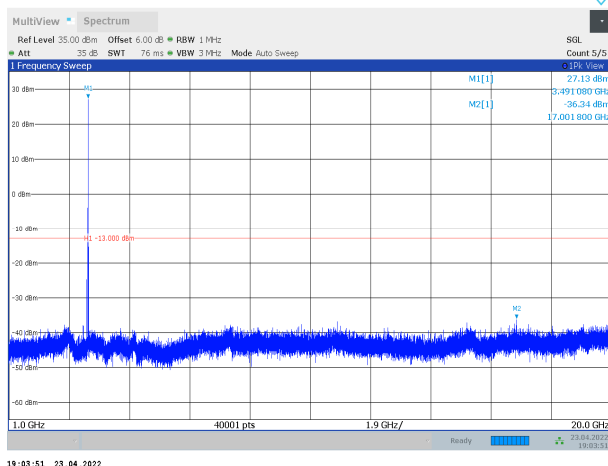
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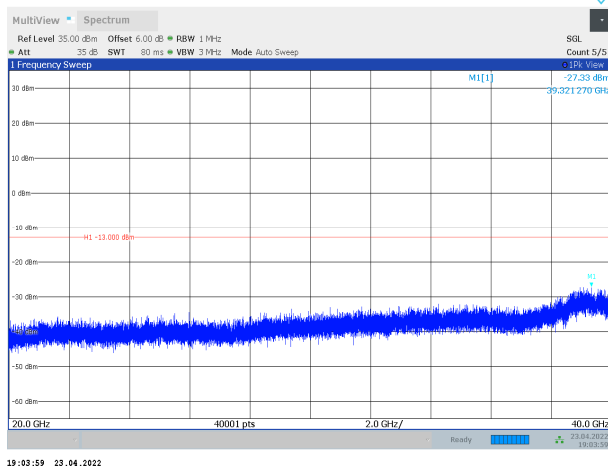
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



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



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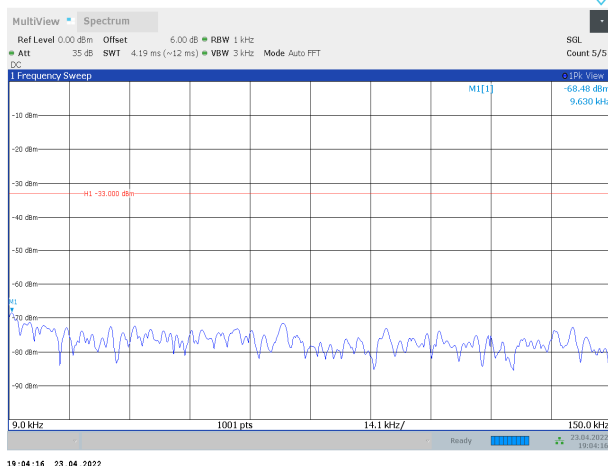
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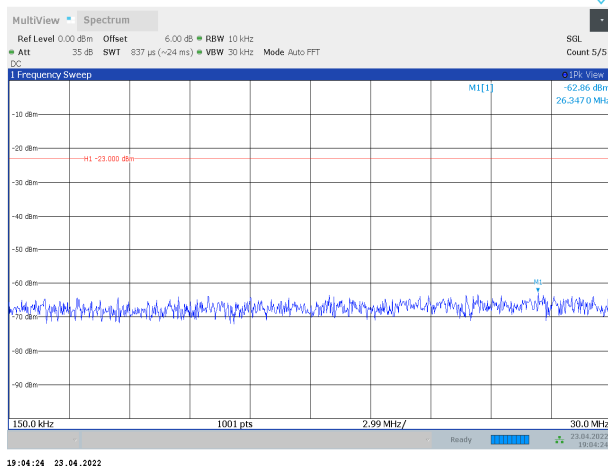
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



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



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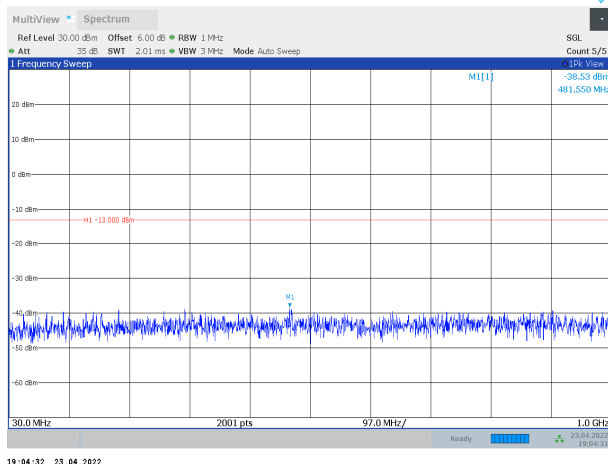
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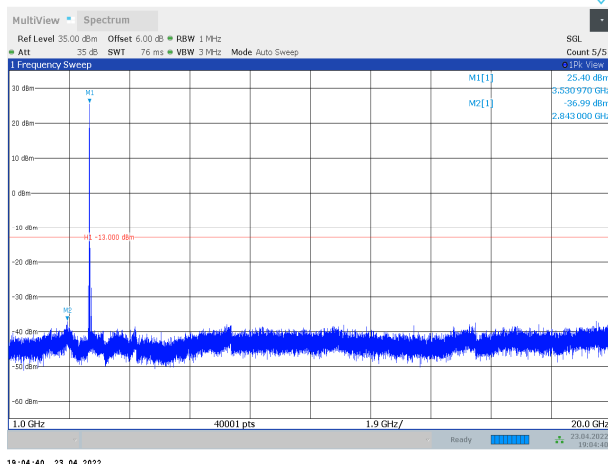
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



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



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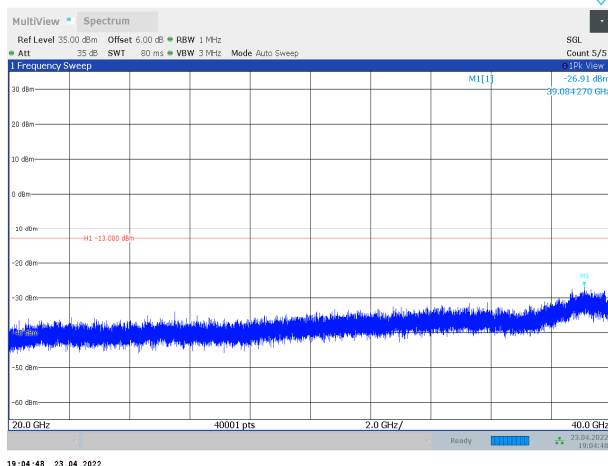


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Band42-20MHz-QPSK-42990-1RB#0-Range5:20000~40000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 42 3450-3550_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8280.1042	42.57	-44.49	36.59	-60.59	-13.00	47.59	Horizontal
2	10039.6042	40.29	-41.70	38.54	-58.13	-13.00	45.13	Horizontal
3	11143.6042	39.27	-40.04	39.37	-56.66	-13.00	43.66	Horizontal
4	12430.6458	37.84	-38.46	38.94	-56.94	-13.00	43.94	Horizontal
5	13905.5208	38.36	-38.38	40.68	-54.60	-13.00	41.60	Horizontal
6	15108.7083	38.21	-38.22	39.89	-55.38	-13.00	42.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7433.4167	44.04	-45.74	36.64	-60.32	-13.00	47.32	Vertical
2	8707.0417	41.60	-43.70	37.19	-60.17	-13.00	47.17	Vertical
3	9574.8125	40.72	-41.96	38.12	-58.38	-13.00	45.38	Vertical
4	10458.3958	39.74	-40.85	38.91	-57.46	-13.00	44.46	Vertical
5	11371.6875	39.12	-39.92	39.33	-56.73	-13.00	43.73	Vertical
6	13742.6042	37.71	-38.19	40.31	-55.43	-13.00	42.43	Vertical



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Test Band = LTE Band 42 3450-3550_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7838.3125	43.60	-44.93	36.39	-60.19	-13.00	47.19	Horizontal
2	8809.5833	42.09	-43.83	37.33	-59.67	-13.00	46.67	Horizontal
3	9823.5	40.11	-41.99	38.34	-58.79	-13.00	45.79	Horizontal
4	10755	39.45	-40.61	39.18	-57.24	-13.00	44.24	Horizontal
5	12451.7292	37.85	-38.57	38.93	-57.05	-13.00	44.05	Horizontal
6	14827.4375	37.34	-37.78	40.24	-55.46	-13.00	42.46	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7417.6042	44.81	-45.66	36.60	-59.50	-13.00	46.50	Vertical
2	8420.0208	42.95	-44.22	36.79	-59.75	-13.00	46.75	Vertical
3	9309.3542	42.26	-42.93	37.88	-58.05	-13.00	45.05	Vertical
4	10360.1667	39.76	-41.18	38.82	-57.86	-13.00	44.86	Vertical
5	12055.4583	39.30	-39.03	39.17	-55.82	-13.00	42.82	Vertical
6	14609.4167	37.69	-38.13	40.41	-55.29	-13.00	42.29	Vertical



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Test Band = LTE Band 42 3450-3550_ TM1
Test Channel = High Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7337.1042	44.41	-45.84	36.41	-60.28	-13.00	47.28	Horizontal
2	8745.375	42.14	-43.77	37.24	-59.64	-13.00	46.64	Horizontal
3	9922.2083	40.81	-41.79	38.43	-57.81	-13.00	44.81	Horizontal
4	11149.8333	38.77	-40.03	39.37	-57.15	-13.00	44.15	Horizontal
5	12031.5	38.47	-38.82	39.18	-56.43	-13.00	43.43	Horizontal
6	14771.8542	37.49	-37.72	40.28	-55.20	-13.00	42.20	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7392.2083	43.98	-45.60	36.54	-60.33	-13.00	47.33	Vertical
2	9332.3542	42.07	-42.90	37.90	-58.19	-13.00	45.19	Vertical
3	10807.7083	39.72	-40.43	39.23	-56.74	-13.00	43.74	Vertical
4	12041.5625	38.22	-38.91	39.18	-56.77	-13.00	43.77	Vertical
5	13901.2083	37.83	-38.35	40.67	-55.11	-13.00	42.11	Vertical
6	15662.625	37.16	-37.88	38.84	-57.14	-13.00	44.14	Vertical



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Test on the worst case for SEWM2304000122RG01:
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	6962.3958	46.47	-42.32	36.12	-54.99	-13.00	41.99	296	162	Horizontal
2	7980.625	38.90	-40.57	37.46	-59.47	-13.00	46.47	265	359	Horizontal
3	12095.2292	34.88	-35.10	38.70	-56.79	-13.00	43.79	284	359	Horizontal
4	10353.27	33.92	-36.67	38.89	-59.12	-13.00	46.12	142	53	Horizontal
5	13804.36	31.96	-35.30	40.08	-58.52	-13.00	45.52	263	328	Horizontal
6	17255.45	31.03	-31.86	39.62	-56.47	-13.00	43.47	228	162	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	6961.9167	43.27	-42.32	36.12	-58.19	-13.00	45.19	196	17	Vertical
2	8925.0625	38.36	-38.87	38.52	-57.26	-13.00	44.26	265	277	Vertical
3	16198.3333	32.45	-32.00	38.04	-56.77	-13.00	43.77	284	92	Vertical
4	10353.27	34.53	-36.67	38.89	-58.51	-13.00	45.51	142	17	Vertical
5	13804.36	32.42	-35.30	40.08	-58.06	-13.00	45.06	263	203	Vertical
6	17255.45	30.47	-31.86	39.62	-57.03	-13.00	44.03	228	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	8029.0208	39.10	-40.46	37.53	-59.09	-13.00	46.09	296	145	Horizontal
2	12969.7083	33.99	-34.90	39.57	-56.60	-13.00	43.60	265	359	Horizontal
3	6982.18	41.52	-42.38	36.17	-59.95	-13.00	46.95	284	184	Horizontal
4	10473.27	33.44	-36.47	39.02	-59.27	-13.00	46.27	142	124	Horizontal
5	13964.36	31.87	-34.95	40.18	-58.16	-13.00	45.16	263	258	Horizontal
6	17455.45	30.31	-31.84	40.42	-56.36	-13.00	43.36	228	296	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	8941.8333	38.02	-38.82	38.54	-57.53	-13.00	44.53	196	18	Vertical
2	12571.5208	33.57	-34.73	39.17	-57.25	-13.00	44.25	265	37	Vertical
3	6982.18	41.52	-42.38	36.17	-59.95	-13.00	46.95	284	92	Vertical
4	10473.27	33.64	-36.47	39.02	-59.07	-13.00	46.07	142	360	Vertical
5	13964.36	32.61	-34.95	40.18	-57.42	-13.00	44.42	256	203	Vertical
6	17455.45	30.53	-31.84	40.42	-56.14	-13.00	43.14	223	360	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	8929.375	38.26	-38.86	38.52	-57.34	-13.00	44.34	265	199	Horizontal
2	13089.5	33.88	-34.65	39.65	-56.37	-13.00	43.37	284	360	Horizontal
3	7062.18	41.65	-42.30	36.24	-59.68	-13.00	46.68	142	162	Horizontal
4	10593.27	33.14	-36.13	39.15	-59.10	-13.00	46.10	263	71	Horizontal
5	14124.36	32.10	-34.81	40.08	-57.89	-13.00	44.89	225	143	Horizontal
6	17655.45	30.53	-31.42	41.22	-54.93	-13.00	41.93	187	252	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	8933.2083	38.39	-38.85	38.53	-57.19	-13.00	44.19	196	222	Vertical
2	12096.1875	34.11	-35.10	38.70	-57.55	-13.00	44.55	265	56	Vertical
3	7062.18	39.51	-42.30	36.24	-61.82	-13.00	48.82	284	3	Vertical
4	10593.27	32.82	-36.13	39.15	-59.42	-13.00	46.42	142	360	Vertical
5	14124.36	32.72	-34.81	40.08	-57.27	-13.00	44.27	263	360	Vertical
6	17655.45	31.19	-31.42	41.22	-54.27	-13.00	41.27	224	92	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	-0.40	-0.000114	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	1.10	0.000314	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	0.10	0.000029	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	-0.40	-0.000114	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	-1.20	-0.000343	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	0.90	0.000257	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	-1.10	-0.000314	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	1.00	0.000286	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	2.50	0.000714	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	1.70	0.000486	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	1.10	0.000314	PASS

---End of Attachment---



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