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Appendix B.23

LTE CA_42C(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
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	1RB#0-0RB#0	21.35	17.06	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	50RB#0-100RB#0	19.63	15.34	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	1RB#0-0RB#0	21.03	16.74	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	19.46	15.17	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	1RB#0-0RB#0	21.10	16.81	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	19.54	15.25	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	1RB#0-0RB#0	20.72	16.43	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	18.67	14.38	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	1RB#0-0RB#0	20.40	16.11	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	18.50	14.21	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	1RB#0-0RB#0	20.47	16.18	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	18.62	14.33	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	1RB#0-0RB#0	19.58	15.29	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	18.71	14.42	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	1RB#0-0RB#0	19.34	15.05	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	18.49	14.2	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	1RB#0-0RB#0	19.51	15.22	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	18.71	14.42	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	1RB#0-0RB#0	16.61	12.32	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	50RB#0-100RB#0	16.76	12.47	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	1RB#0-0RB#0	16.30	12.01	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	50RB#0-100RB#0	16.55	12.26	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	1RB#0-0RB#0	16.47	12.18	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	50RB#0-100RB#0	16.73	12.44	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	1RB#0-0RB#0	21.52	17.23	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	19.82	15.53	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	1RB#0-0RB#0	21.30	17.01	30	PASS



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42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	19.54	15.25	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	1RB#0-0RB#0	21.32	17.03	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	75RB#0-100RB#0	19.64	15.35	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	1RB#0-0RB#0	20.91	16.62	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	75RB#0-100RB#0	18.85	14.56	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	1RB#0-0RB#0	20.67	16.38	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	75RB#0-100RB#0	18.52	14.23	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	1RB#0-0RB#0	20.72	16.43	30	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	75RB#0-100RB#0	18.63	14.34	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	1RB#0-0RB#0	19.88	15.59	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	75RB#0-100RB#0	18.77	14.48	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	1RB#0-0RB#0	19.63	15.34	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	75RB#0-100RB#0	18.55	14.26	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	1RB#0-0RB#0	19.68	15.39	30	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	75RB#0-100RB#0	18.68	14.39	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42168-42339	1RB#0-0RB#0	16.80	12.51	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42168-42339	75RB#0-100RB#0	16.77	12.48	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42493-42664	1RB#0-0RB#0	16.57	12.28	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42493-42664	75RB#0-100RB#0	16.53	12.24	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42819-42990	1RB#0-0RB#0	16.60	12.31	30	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42819-42990	75RB#0-100RB#0	16.63	12.34	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	100RB#0-50RB#0	19.75	15.46	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	1RB#0-0RB#0	21.32	17.03	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	100RB#0-50RB#0	19.49	15.2	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	1RB#0-0RB#0	21.09	16.8	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	100RB#0-50RB#0	19.64	15.35	30	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	1RB#0-0RB#0	21.11	16.82	30	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	100RB#0-50RB#0	18.83	14.54	30	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	1RB#0-0RB#0	20.70	16.41	30	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	100RB#0-50RB#0	18.53	14.24	30	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	1RB#0-0RB#0	20.46	16.17	30	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	100RB#0-50RB#0	18.72	14.43	30	PASS



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42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	1RB#0-0RB#0	20.52	16.23	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	100RB#0-50RB#0	18.80	14.51	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	1RB#0-0RB#0	19.74	15.45	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	100RB#0-50RB#0	18.50	14.21	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	1RB#0-0RB#0	19.37	15.08	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	100RB#0-50RB#0	18.67	14.38	30	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	1RB#0-0RB#0	19.56	15.27	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42190-42334	100RB#0-50RB#0	16.78	12.49	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42190-42334	1RB#0-0RB#0	16.65	12.36	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42541-42685	100RB#0-50RB#0	16.50	12.21	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42541-42685	1RB#0-0RB#0	16.31	12.02	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42891-43035	100RB#0-50RB#0	16.69	12.4	30	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42891-43035	1RB#0-0RB#0	16.51	12.22	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	100RB#0-75RB#0	19.71	15.42	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	1RB#0-0RB#0	21.31	17.02	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	100RB#0-75RB#0	19.52	15.23	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	1RB#0-0RB#0	21.11	16.82	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	100RB#0-75RB#0	19.62	15.33	30	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	1RB#0-0RB#0	21.16	16.87	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	100RB#0-75RB#0	18.79	14.5	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	1RB#0-0RB#0	20.66	16.37	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	100RB#0-75RB#0	18.58	14.29	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	1RB#0-0RB#0	20.49	16.2	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	100RB#0-75RB#0	18.68	14.39	30	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	1RB#0-0RB#0	20.55	16.26	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	100RB#0-75RB#0	18.71	14.42	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	1RB#0-0RB#0	19.68	15.39	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	100RB#0-75RB#0	18.53	14.24	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	1RB#0-0RB#0	19.45	15.16	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	100RB#0-75RB#0	18.66	14.37	30	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	1RB#0-0RB#0	19.52	15.23	30	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42190-42361	100RB#0-75RB#0	16.69	12.4	30	PASS



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42-42	20MHz-15MHz	256QAM-256QAM	42190-42361	1RB#0-0RB#0	16.61	12.32	30	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42516-42687	100RB#0-75RB#0	16.53	12.24	30	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42516-42687	1RB#0-0RB#0	16.39	12.1	30	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42841-43012	100RB#0-75RB#0	16.60	12.31	30	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42841-43012	1RB#0-0RB#0	16.47	12.18	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	19.71	15.42	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	1RB#0-0RB#0	21.37	17.08	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	19.53	15.24	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	1RB#0-0RB#0	21.20	16.91	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	19.58	15.29	30	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	1RB#0-0RB#0	21.17	16.88	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	18.83	14.54	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	1RB#0-0RB#0	20.75	16.46	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	18.59	14.3	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	1RB#0-0RB#0	20.57	16.28	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	18.66	14.37	30	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	1RB#0-0RB#0	20.57	16.28	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	18.76	14.47	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	1RB#0-0RB#0	19.71	15.42	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	18.54	14.25	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	1RB#0-0RB#0	19.49	15.2	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	18.58	14.29	30	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	1RB#0-0RB#0	19.49	15.2	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42190-42388	100RB#0-100RB#0	16.75	12.46	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42190-42388	1RB#0-0RB#0	16.66	12.37	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	16.55	12.26	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	1RB#0-0RB#0	16.42	12.13	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42792-42990	100RB#0-100RB#0	16.58	12.29	30	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42792-42990	1RB#0-0RB#0	16.45	12.16	30	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	100RB#0-25RB#0	19.69	15.4	30	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	1RB#0-0RB#0	21.74	17.45	30	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	100RB#0-25RB#0	19.48	15.19	30	PASS



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42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	1RB#0-0RB#0	21.62	17.33	30	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	100RB#0-25RB#0	19.72	15.43	30	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	1RB#0-0RB#0	21.58	17.29	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	100RB#0-25RB#0	18.75	14.46	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	1RB#0-0RB#0	21.13	16.84	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	100RB#0-25RB#0	18.57	14.28	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	1RB#0-0RB#0	20.98	16.69	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	100RB#0-25RB#0	18.71	14.42	30	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	1RB#0-0RB#0	21.02	16.73	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	100RB#0-25RB#0	18.72	14.43	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	1RB#0-0RB#0	20.01	15.72	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	100RB#0-25RB#0	18.55	14.26	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	1RB#0-0RB#0	19.85	15.56	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	100RB#0-25RB#0	18.69	14.4	30	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	1RB#0-0RB#0	19.88	15.59	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42190-42307	100RB#0-25RB#0	16.76	12.47	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42190-42307	1RB#0-0RB#0	16.95	12.66	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42565-42682	100RB#0-25RB#0	16.58	12.29	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42565-42682	1RB#0-0RB#0	16.74	12.45	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42940-43057	100RB#0-25RB#0	16.73	12.44	30	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42940-43057	1RB#0-0RB#0	16.93	12.64	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	1RB#0-0RB#0	21.40	17.11	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	50RB#0-100RB#0	17.86	13.57	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	1RB#0-0RB#0	21.15	16.86	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	50RB#0-100RB#0	17.60	13.31	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	1RB#0-0RB#0	21.21	16.92	30	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	50RB#0-100RB#0	17.73	13.44	30	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	1RB#0-0RB#0	20.75	16.46	30	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	50RB#0-100RB#0	18.19	13.9	30	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	1RB#0-0RB#0	20.55	16.26	30	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	50RB#0-100RB#0	17.99	13.7	30	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	1RB#0-0RB#0	20.62	16.33	30	PASS



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42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	50RB#0-100RB#0	18.07	13.78	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	1RB#0-0RB#0	19.69	15.4	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	50RB#0-100RB#0	18.12	13.83	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	1RB#0-0RB#0	19.38	15.09	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	50RB#0-100RB#0	17.93	13.64	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	1RB#0-0RB#0	19.53	15.24	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	50RB#0-100RB#0	18.02	13.73	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	1RB#0-0RB#0	16.58	12.29	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	50RB#0-100RB#0	16.04	11.75	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	1RB#0-0RB#0	16.35	12.06	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	50RB#0-100RB#0	15.84	11.55	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	1RB#0-0RB#0	16.46	12.17	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	50RB#0-100RB#0	15.96	11.67	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	8.68	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	8.78	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	8.86	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	9.74	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	9.72	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	9.76	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	9.96	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	10.04	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	10.00	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42190-42388	100RB#0-100RB#0	10.16	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	10.04	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42792-42990	100RB#0-100RB#0	10.08	13	PASS



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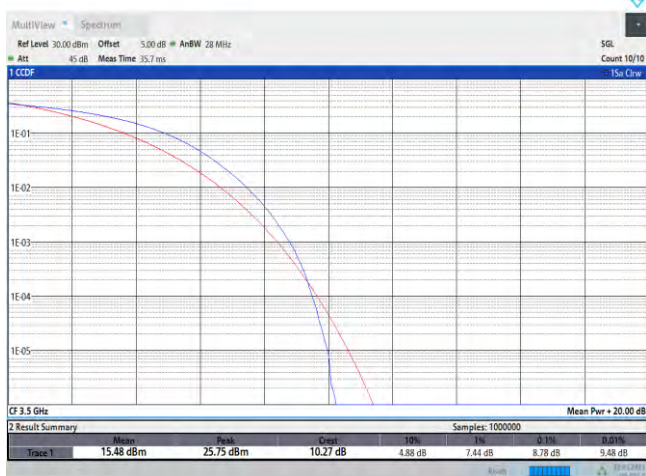
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Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0

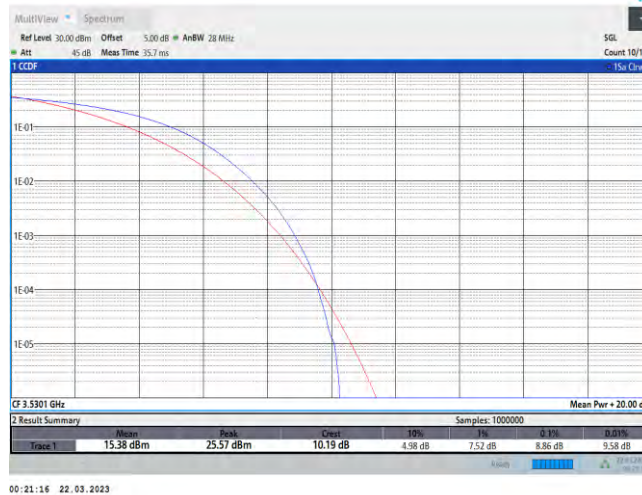


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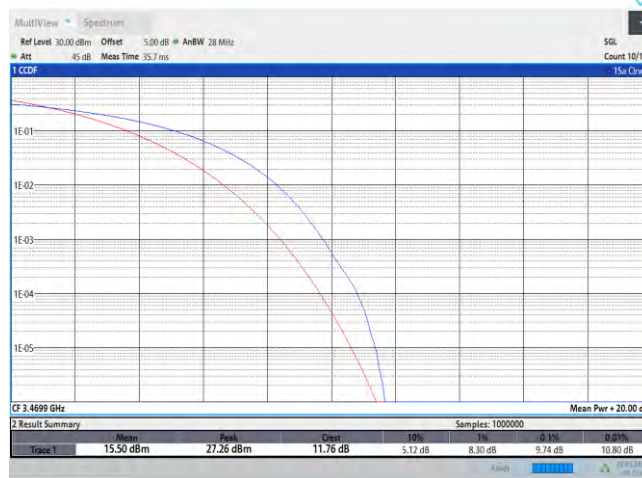
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



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42-42-20MHz-20MHz-16QAM-16QAM-42190-42388-100RB#0-100RB#0



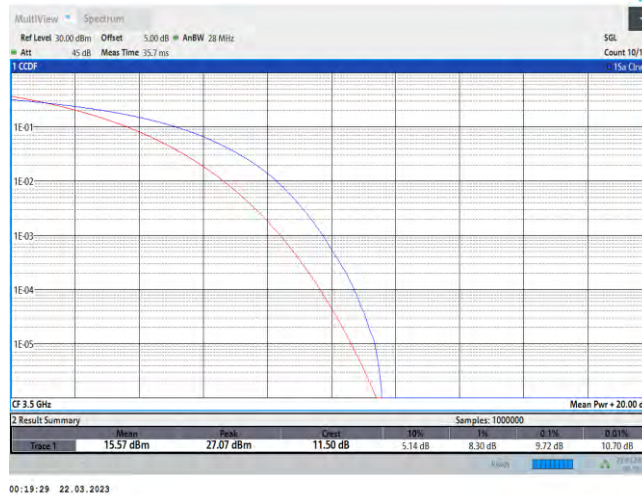
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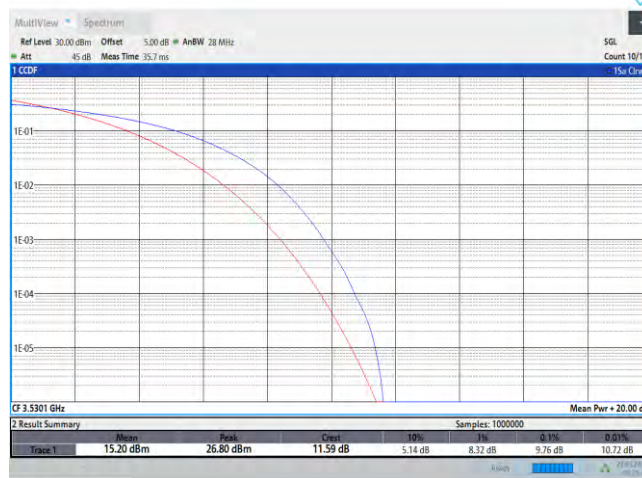
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



00:19:29 22.03.2023

42-42-20MHz-20MHz-16QAM-16QAM-42792-42990-100RB#0-100RB#0



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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



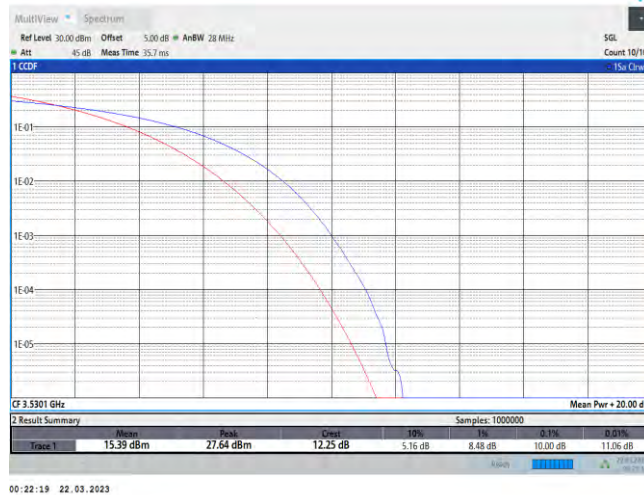
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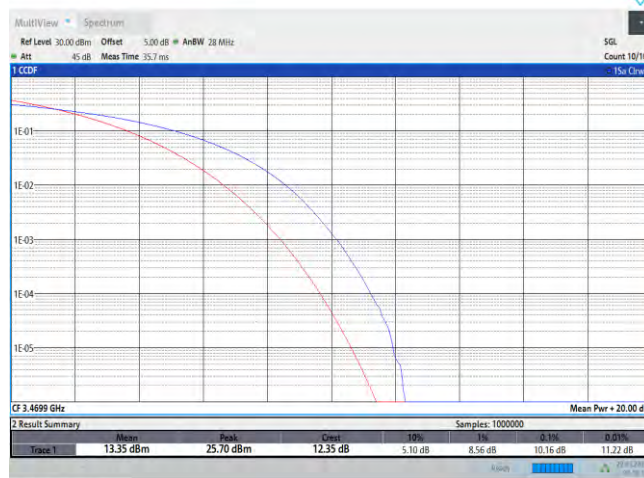
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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



00:22:19 22.03.2023

42-42-20MHz-20MHz-256QAM-256QAM-42190-42388-100RB#0-100RB#0



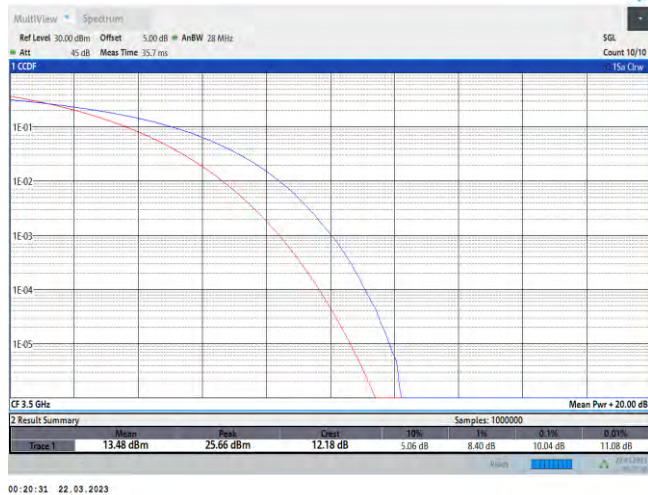
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



00:20:31 22.03.2023

42-42-20MHz-20MHz-256QAM-256QAM-42792-42990-100RB#0-100RB#0



00:22:50 22.03.2023



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	PASS



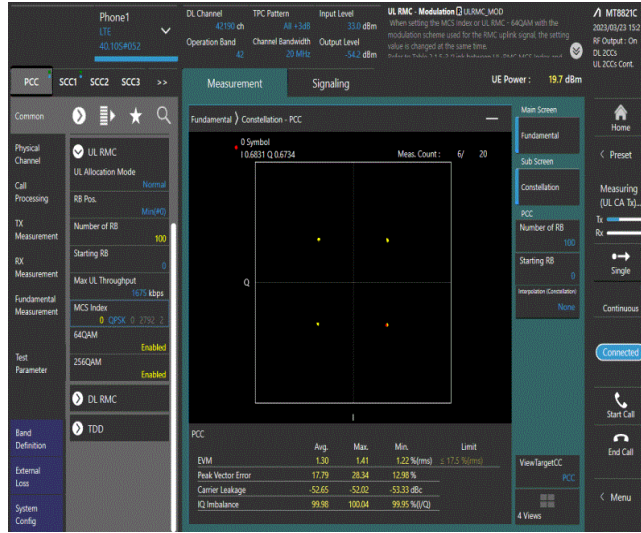
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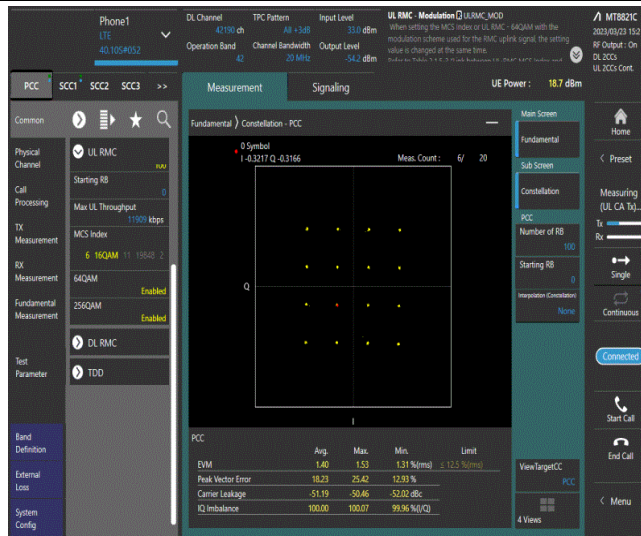
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Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



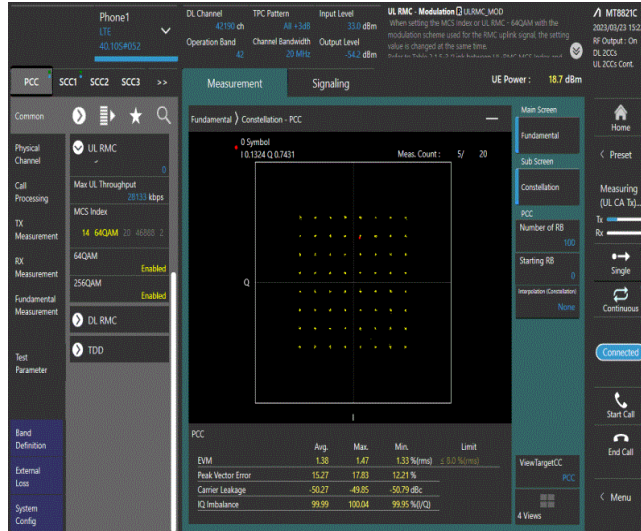
48-48-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



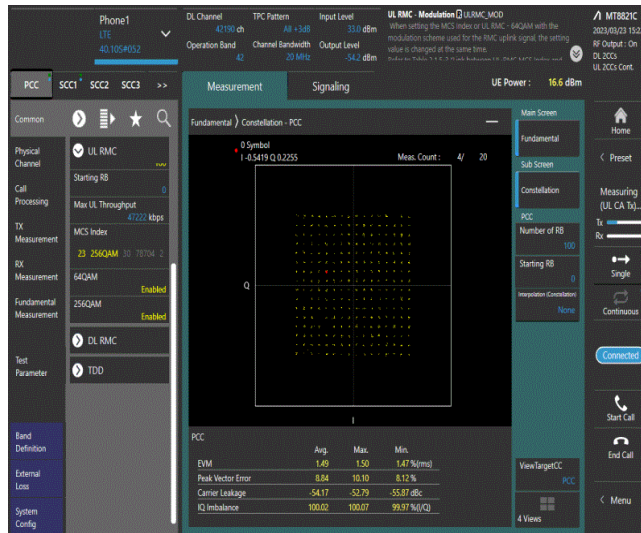
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48-48-20MHz-20MHz-64QAM-64QAM-42491-42689-100RB#0-100RB#0



48-48-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#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
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	50RB#0-100RB#0	28.157	30.67	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	28.166	30.80	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	28.172	31.07	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	28.08	30.93	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	28.066	30.93	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	28.086	30.80	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	28.022	30.67	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	28.019	30.27	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	28.019	30.53	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	50RB#0-100RB#0	28.087	31.33	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	50RB#0-100RB#0	28.088	31.33	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	50RB#0-100RB#0	28.097	31.33	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	32.986	37.07	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	32.97	37.20	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	75RB#0-100RB#0	32.966	37.07	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	75RB#0-100RB#0	32.854	35.33	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	75RB#0-100RB#0	32.843	35.60	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	75RB#0-100RB#0	32.854	35.47	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	75RB#0-100RB#0	32.855	36.13	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	75RB#0-100RB#0	32.848	36.13	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	75RB#0-100RB#0	32.84	36.13	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42168-42339	75RB#0-100RB#0	32.882	35.73	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42493-42664	75RB#0-100RB#0	32.878	35.73	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42819-42990	75RB#0-100RB#0	32.858	35.87	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	100RB#0-50RB#0	28.301	33.87	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	100RB#0-50RB#0	28.245	33.47	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	100RB#0-50RB#0	28.285	33.60	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	100RB#0-50RB#0	28.07	31.73	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	100RB#0-50RB#0	28.055	31.20	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	100RB#0-50RB#0	28.081	30.80	PASS



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42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	100RB#0-50RB#0	28.086	32.67	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	100RB#0-50RB#0	28.061	32.80	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	100RB#0-50RB#0	28.075	32.93	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42190-42334	100RB#0-50RB#0	28.236	32.13	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42541-42685	100RB#0-50RB#0	28.229	31.73	PASS
42-42	20MHz-10MHz	256QAM-256QAM	42891-43035	100RB#0-50RB#0	28.206	32.80	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	100RB#0-75RB#0	33.017	37.60	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	100RB#0-75RB#0	33.017	37.73	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	100RB#0-75RB#0	33.027	37.73	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	100RB#0-75RB#0	32.912	35.87	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	100RB#0-75RB#0	32.912	35.87	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	100RB#0-75RB#0	32.921	36.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	100RB#0-75RB#0	32.856	37.20	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	100RB#0-75RB#0	32.823	37.07	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	100RB#0-75RB#0	32.845	37.20	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42190-42361	100RB#0-75RB#0	32.995	37.20	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42516-42687	100RB#0-75RB#0	32.975	36.40	PASS
42-42	20MHz-15MHz	256QAM-256QAM	42841-43012	100RB#0-75RB#0	32.981	36.93	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	37.805	42.67	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	37.786	42.93	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	37.796	42.80	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	37.706	40.93	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	37.721	41.07	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	37.729	41.33	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	37.65	41.73	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	37.671	41.73	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	37.663	41.73	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42190-42388	100RB#0-100RB#0	37.792	42.13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	37.771	41.87	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42792-42990	100RB#0-100RB#0	37.792	42.13	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	100RB#0-25RB#0	23.948	33.42	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	100RB#0-25RB#0	23.859	32.83	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	100RB#0-25RB#0	23.939	33.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	100RB#0-25RB#0	23.033	32.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	100RB#0-25RB#0	23.031	32.08	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	100RB#0-25RB#0	23.037	31.92	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	100RB#0-25RB#0	23.478	33.75	PASS



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42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	100RB#0-25RB#0	23.594	32.58	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	100RB#0-25RB#0	23.531	30.58	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42190-42307	100RB#0-25RB#0	23.156	33.25	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42565-42682	100RB#0-25RB#0	23.156	33.67	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42940-43057	100RB#0-25RB#0	23.172	33.08	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	25RB#0-100RB#0	23.012	25.67	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	25RB#0-100RB#0	25.666	28.83	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	25RB#0-100RB#0	25.652	28.83	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	25RB#0-100RB#0	22.923	25.17	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	25RB#0-100RB#0	25.356	28.42	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	25RB#0-100RB#0	25.365	28.50	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	25RB#0-100RB#0	22.859	25.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	25RB#0-100RB#0	24.697	28.17	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	25RB#0-100RB#0	24.722	28.08	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	25RB#0-100RB#0	22.923	25.42	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	25RB#0-100RB#0	25.321	27.92	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	25RB#0-100RB#0	25.367	28.17	PASS



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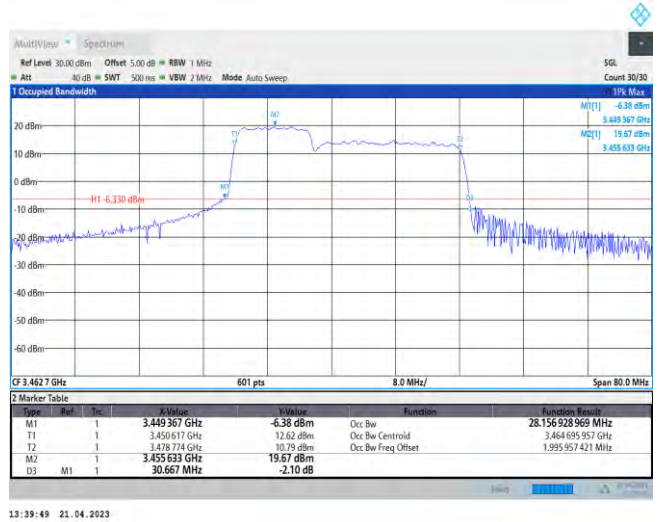
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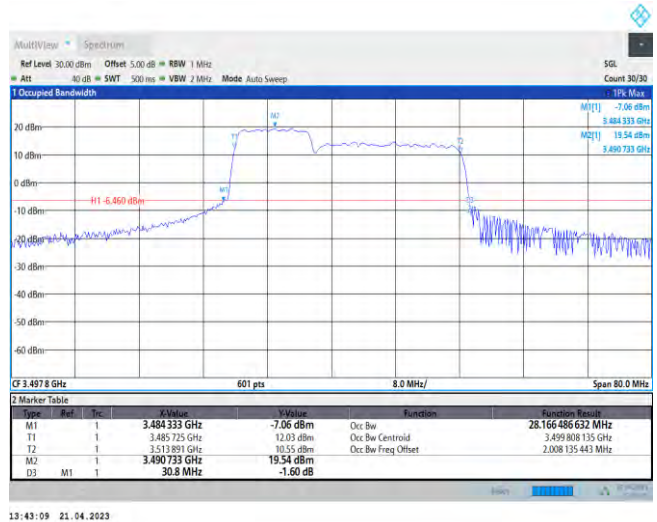
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Test Graphs

42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-50RB#0-100RB#0



42-42-10MHz-20MHz-QPSK-QPSK-42496-42640-50RB#0-100RB#0



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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-50RB#0-100RB#0



13:46:28 21.04.2023

42-42-10MHz-20MHz-16QAM-16QAM-42145-42289-50RB#0-100RB#0



13:40:35 21.04.2023



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42-42-10MHz-20MHz-16QAM-16QAM-42496-42640-50RB#0-100RB#0



13:43:55 21.04.2023

42-42-10MHz-20MHz-16QAM-16QAM-42846-42990-50RB#0-100RB#0



13:47:13 21.04.2023



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42-42-10MHz-20MHz-64QAM-64QAM-42145-42289-50RB#0-100RB#0



42-42-10MHz-20MHz-64QAM-64QAM-42496-42640-50RB#0-100RB#0



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42-42-10MHz-20MHz-64QAM-64QAM-42846-42990-50RB#0-100RB#0



13:47:59 21.04.2023

42-42-10MHz-20MHz-256QAM-256QAM-42145-42289-50RB#0-100RB#0



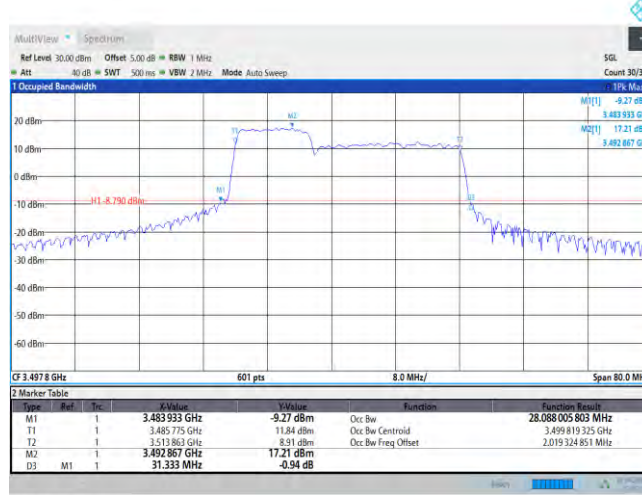
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42-42-10MHz-20MHz-256QAM-256QAM-42496-42640-50RB#0-100RB#0



13:45:26 21. 04. 2023

42-42-10MHz-20MHz-256QAM-256QAM-42846-42990-50RB#0-100RB#0



13:48:44 21. 04. 2023



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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0



14:01:18 21.04.2023

42-42-15MHz-20MHz-QPSK-QPSK-42493-42664-75RB#0-100RB#0



14:04:37 21.04.2023



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42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-75RB#0-100RB#0



14:07:56 21.04.2023

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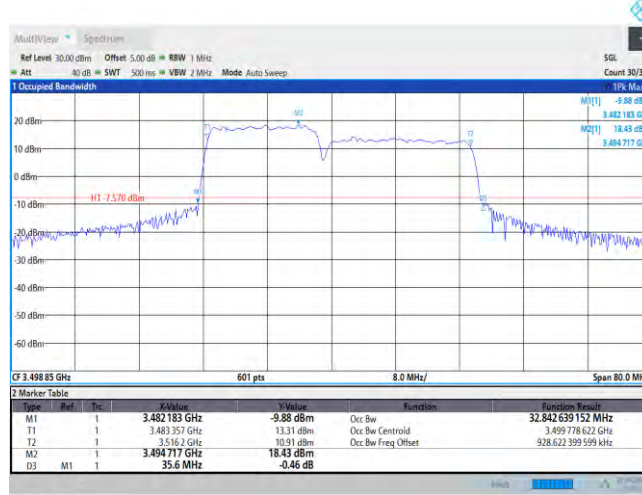
14:02:03 21.04.2023



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42-42-15MHz-20MHz-16QAM-16QAM-42493-42664-75RB#0-100RB#0



14:05:22 21.04.2023

42-42-15MHz-20MHz-16QAM-16QAM-42819-42990-75RB#0-100RB#0



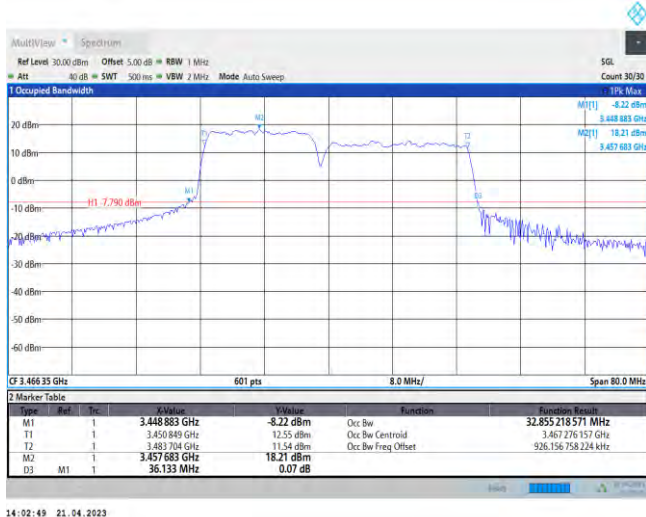
14:08:41 21.04.2023



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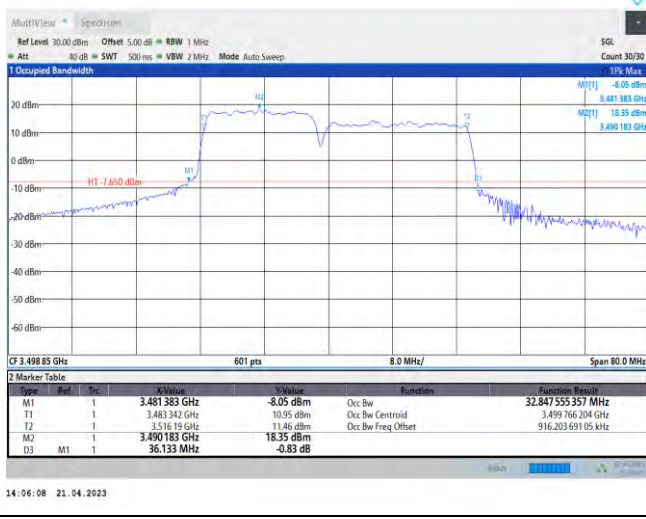
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42-42-15MHz-20MHz-64QAM-64QAM-42168-42339-75RB#0-100RB#0



14:02:49 21.04.2023

42-42-15MHz-20MHz-64QAM-64QAM-42493-42664-75RB#0-100RB#0



14:06:08 21.04.2023



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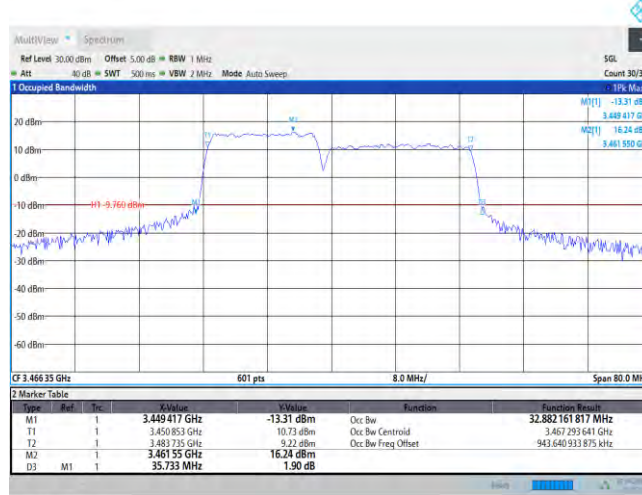
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42-42-15MHz-20MHz-64QAM-64QAM-42819-42990-75RB#0-100RB#0



14:09:27 21.04.2023

42-42-15MHz-20MHz-256QAM-256QAM-42168-42339-75RB#0-100RB#0



14:03:35 21.04.2023



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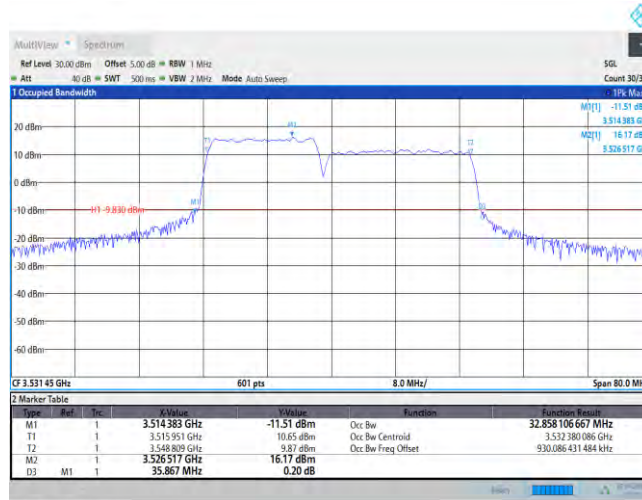
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14:06:53 21.04.2023

42-42-15MHz-20MHz-256QAM-256QAM-42819-42990-75RB#0-100RB#0



14:10:12 21.04.2023



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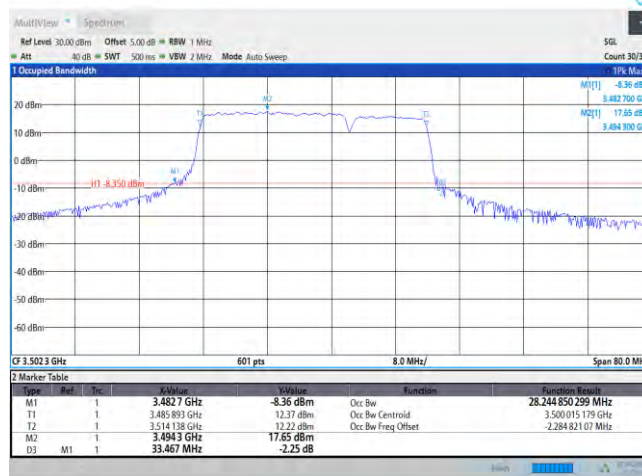
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



13:50:25 21.04.2023

42-42-20MHz-10MHz-QPSK-QPSK-42541-42685-100RB#0-50RB#0



13:53:45 21.04.2023



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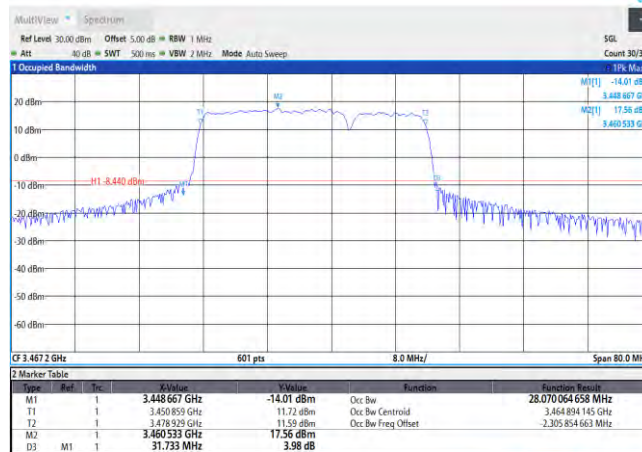
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



13:57:05 21.04.2023

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13:51:10 21.04.2023

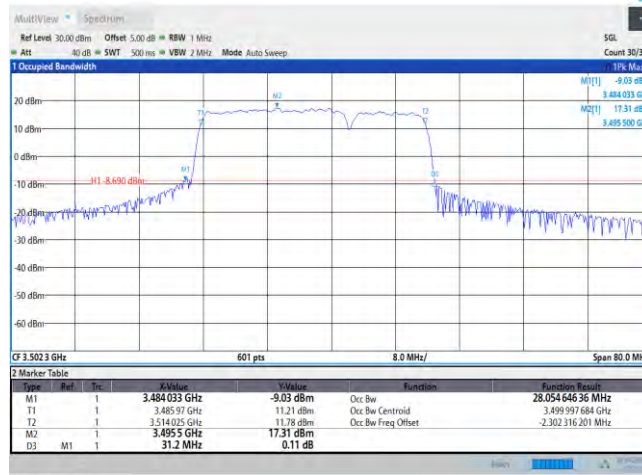


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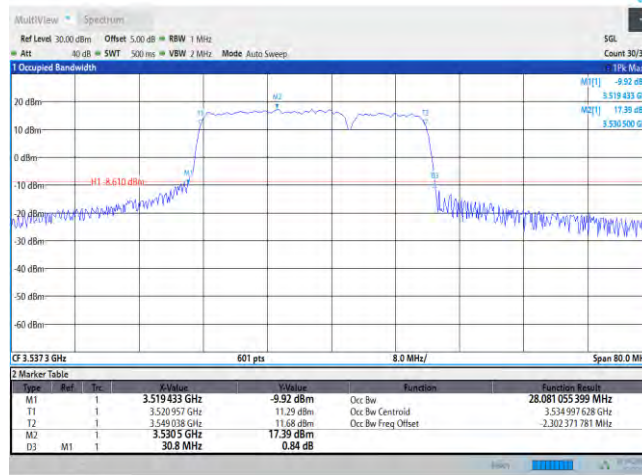
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42-42-20MHz-10MHz-16QAM-16QAM-42541-42685-100RB#0-50RB#0



13:54:30 21.04.2023

42-42-20MHz-10MHz-16QAM-16QAM-42891-43035-100RB#0-50RB#0



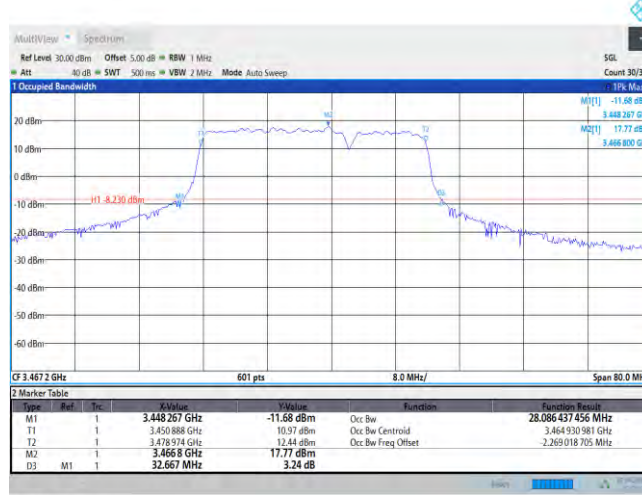
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42-42-20MHz-10MHz-64QAM-64QAM-42190-42334-100RB#0-50RB#0



13:51:56 21.04.2023

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13:55:16 21.04.2023



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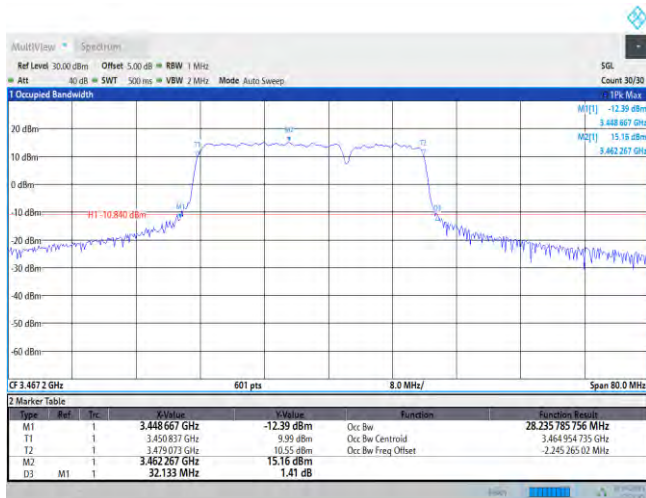
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13:58:37 21.04.2023

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13:52:41 21.04.2023



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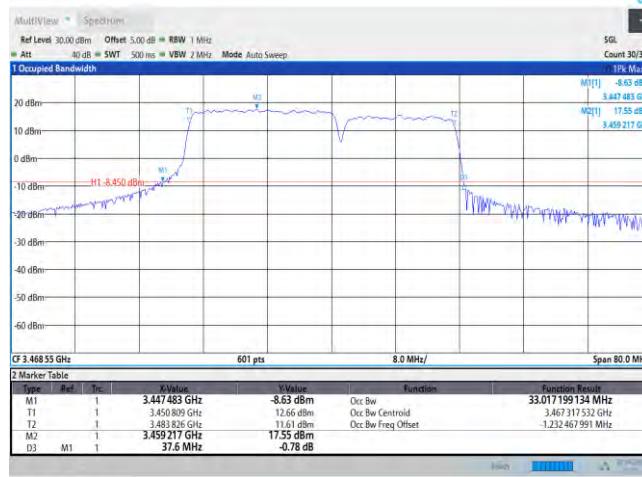
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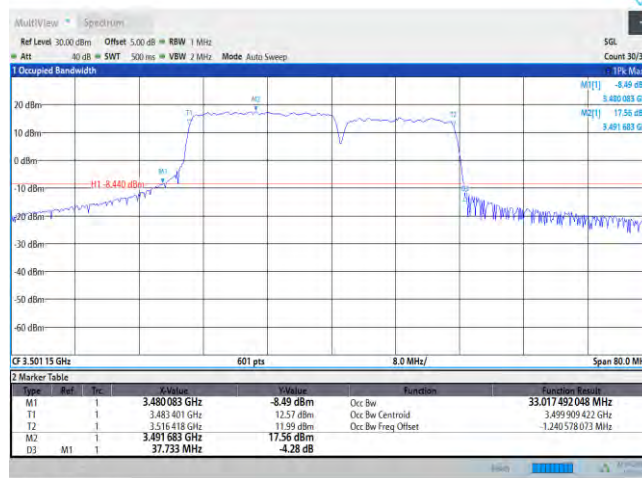
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



14:11:37 21.04.2023

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14:14:57 21.04.2023



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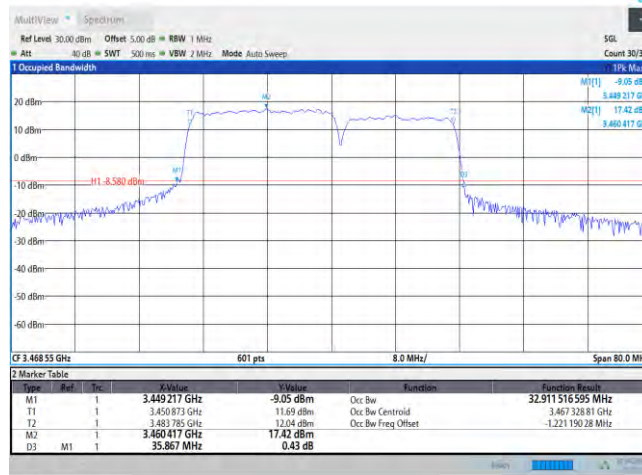
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



14:18:17 21.04.2023

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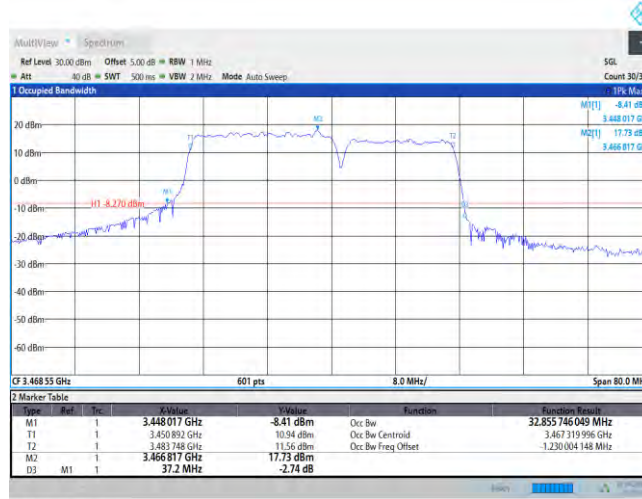
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14:13:08 21.04.2023

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14:19:49 21.04.2023

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14:13:54 21.04.2023



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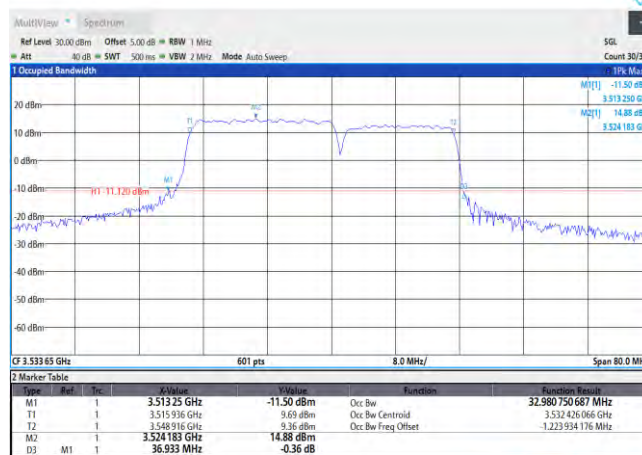
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14:17:14 21.04.2023

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14:20:34 21.04.2023



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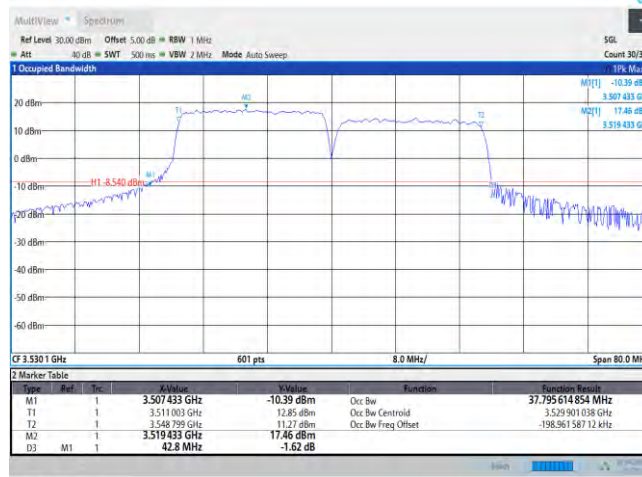
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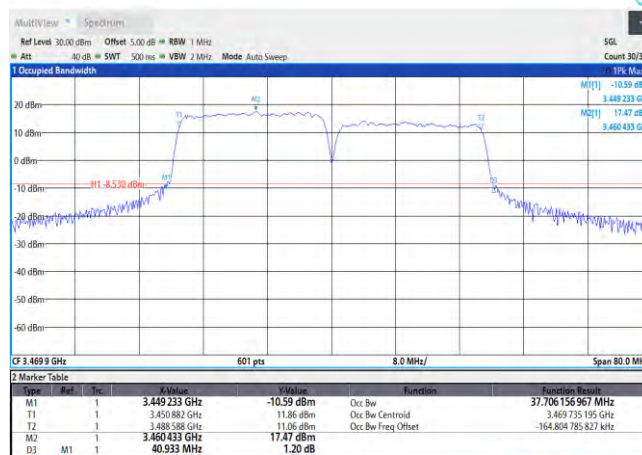
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14:28:30 21. 04. 2023

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14:22:41 21. 04. 2023

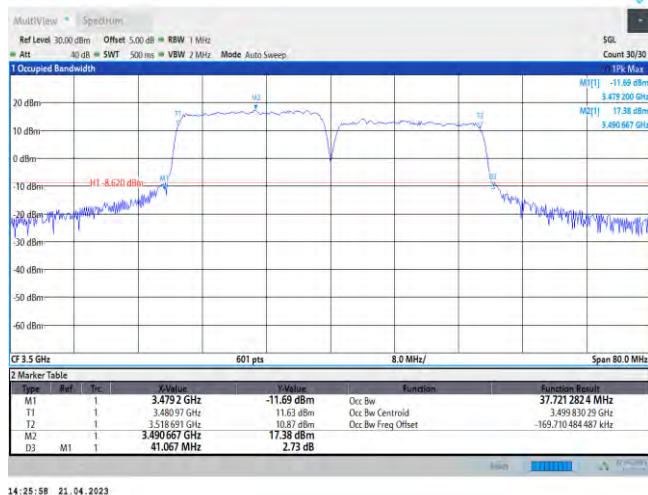


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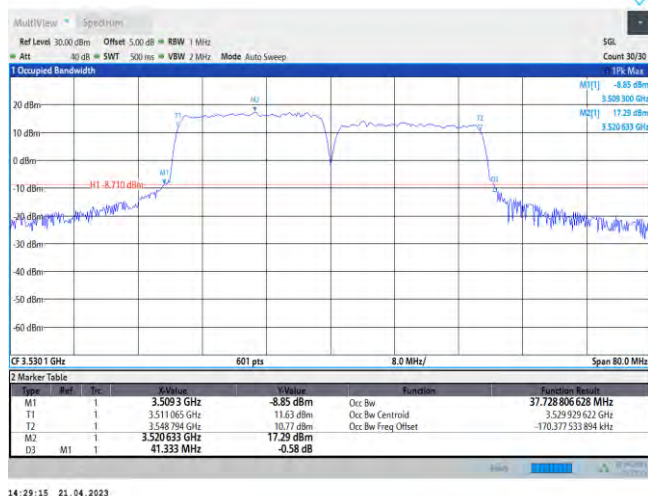
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



14:25:58 21. 04. 2023

42-42-20MHz-20MHz-16QAM-16QAM-42792-42990-100RB#0-100RB#0



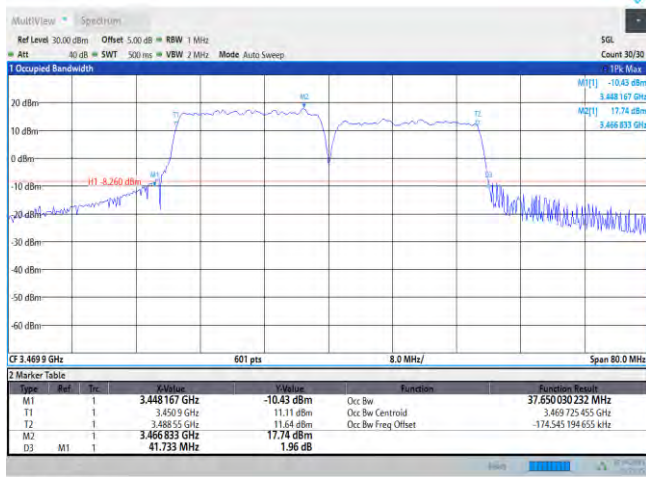
14:29:15 21. 04. 2023



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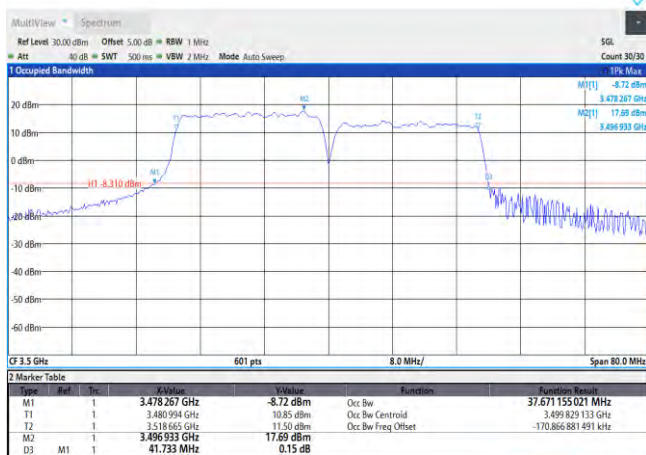
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



14:23:26 21.04.2023

42-42-20MHz-20MHz-64QAM-64QAM-42491-42689-100RB#0-100RB#0



14:26:44 21.04.2023



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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



14:30:01 21.04.2023

42-42-20MHz-20MHz-256QAM-256QAM-42190-42388-100RB#0-100RB#0



14:24:12 21.04.2023



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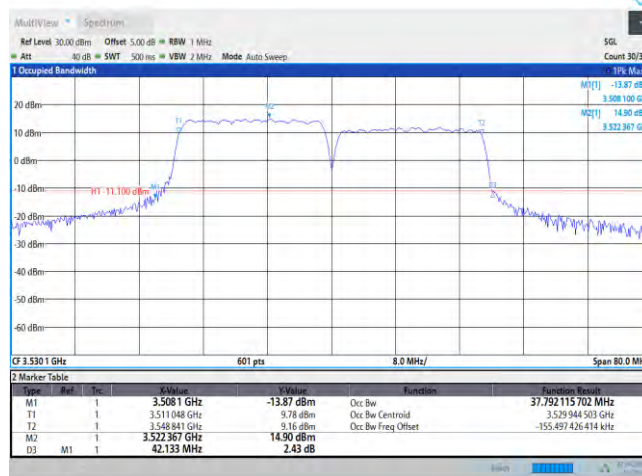
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



14:27:29 21.04.2023

42-42-20MHz-20MHz-256QAM-256QAM-42792-42990-100RB#0-100RB#0



14:30:46 21.04.2023



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42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0



13:28:19 21.04.2023

42-42-20MHz-5MHz-QPSK-QPSK-42565-42682-100RB#0-25RB#0



13:31:38 21.04.2023



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42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-100RB#0-25RB#0



13:34:58 21.04.2023

42-42-20MHz-5MHz-16QAM-16QAM-42190-42307-100RB#0-25RB#0



13:29:04 21.04.2023



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42-42-20MHz-5MHz-16QAM-16QAM-42565-42682-100RB#0-25RB#0



13:32:24 21.04.2023

42-42-20MHz-5MHz-16QAM-16QAM-42940-43057-100RB#0-25RB#0



13:35:43 21.04.2023



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42-42-20MHz-5MHz-64QAM-64QAM-42190-42307-100RB#0-25RB#0



13:29:49 21.04.2023

42-42-20MHz-5MHz-64QAM-64QAM-42565-42682-100RB#0-25RB#0



13:33:09 21.04.2023



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42-42-20MHz-5MHz-64QAM-64QAM-42940-43057-100RB#0-25RB#0



13:36:29 21.04.2023

42-42-20MHz-5MHz-256QAM-256QAM-42190-42307-100RB#0-25RB#0



13:30:35 21.04.2023



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13:33:54 21.04.2023

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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



13:16:49 21.04.2023

42-42-5MHz-20MHz-QPSK-QPSK-42498-42615-25RB#0-100RB#0



13:20:07 21.04.2023



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42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



13:23:25 21.04.2023

42-42-5MHz-20MHz-16QAM-16QAM-42123-42240-25RB#0-100RB#0



13:17:35 21.04.2023



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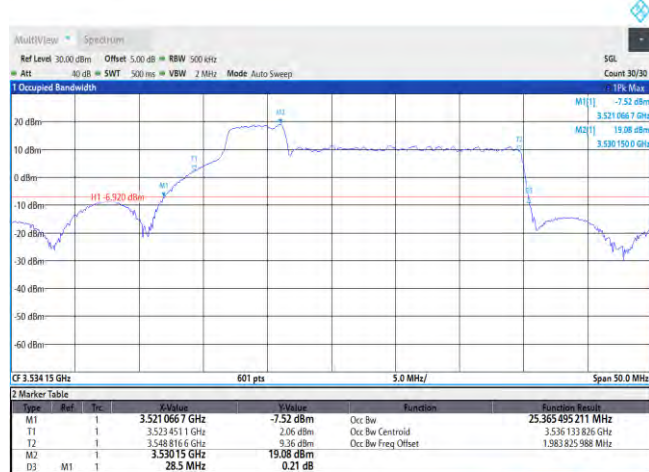
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42-42-5MHz-20MHz-16QAM-16QAM-42498-42615-25RB#0-100RB#0



13:20:53 21.04.2023

42-42-5MHz-20MHz-16QAM-16QAM-42873-42990-25RB#0-100RB#0



13:24:11 21.04.2023



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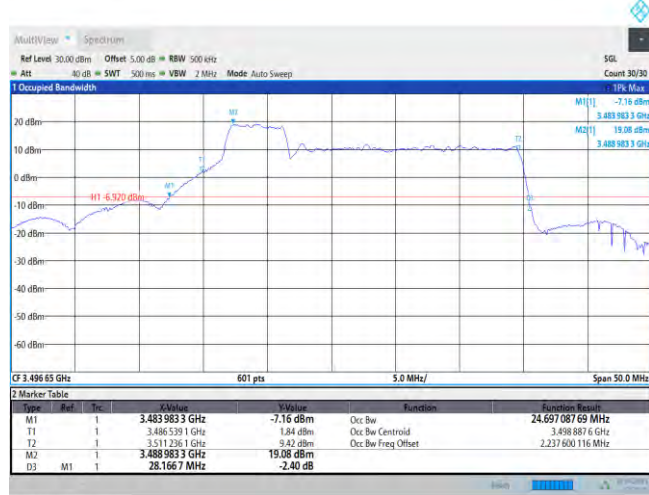
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13:18:20 21.04.2023

42-42-5MHz-20MHz-64QAM-64QAM-42498-42615-25RB#0-100RB#0



13:21:38 21.04.2023



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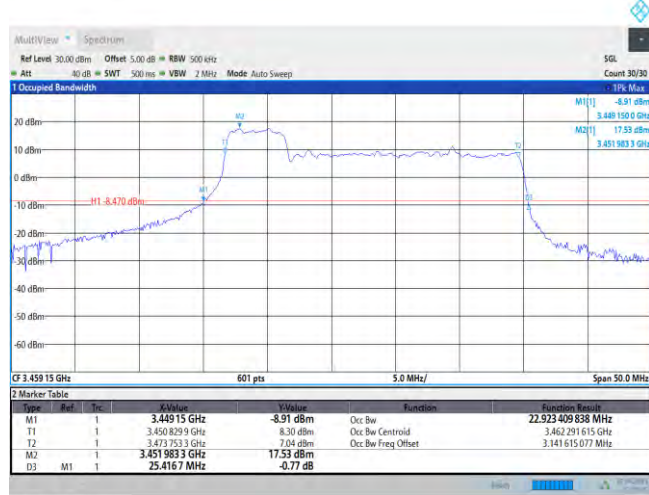
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42-42-5MHz-20MHz-64QAM-64QAM-42873-42990-25RB#0-100RB#0



13:24:56 21.04.2023

42-42-5MHz-20MHz-256QAM-256QAM-42123-42240-25RB#0-100RB#0



13:19:05 21.04.2023



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42-42-5MHz-20MHz-256QAM-256QAM-42498-42615-25RB#0-100RB#0



13:22:23 21. 04. 2023

42-42-5MHz-20MHz-256QAM-256QAM-42873-42990-25RB#0-100RB#0



13:25:41 21. 04. 2023



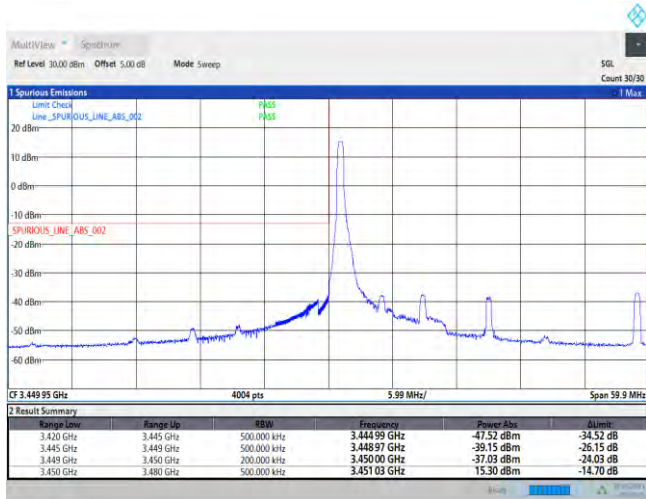
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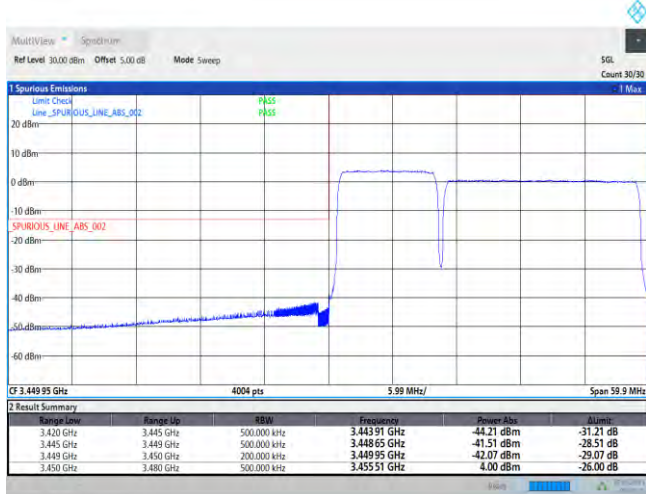
Band Edge

Test Graphs

42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-1RB#0-0RB#0



42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-50RB#0-100RB#0

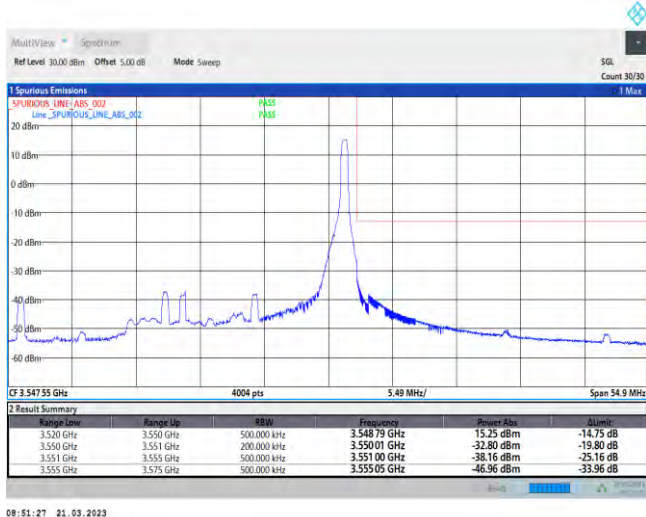


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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-0RB#0-1RB#99



08:51:27 21.03.2023

42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-50RB#0-100RB#0



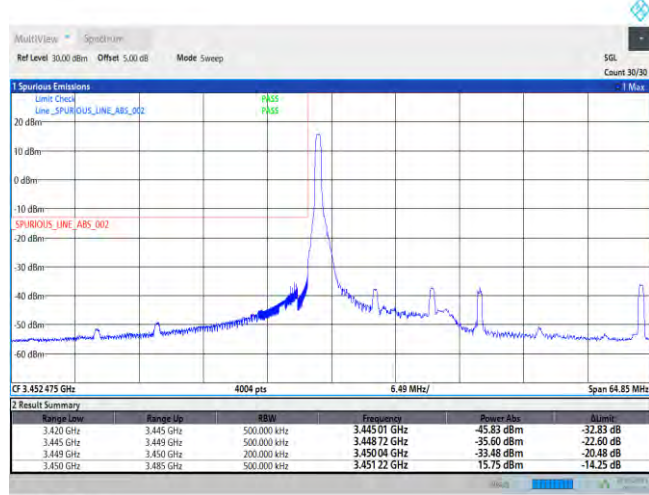
08:53:01 21.03.2023



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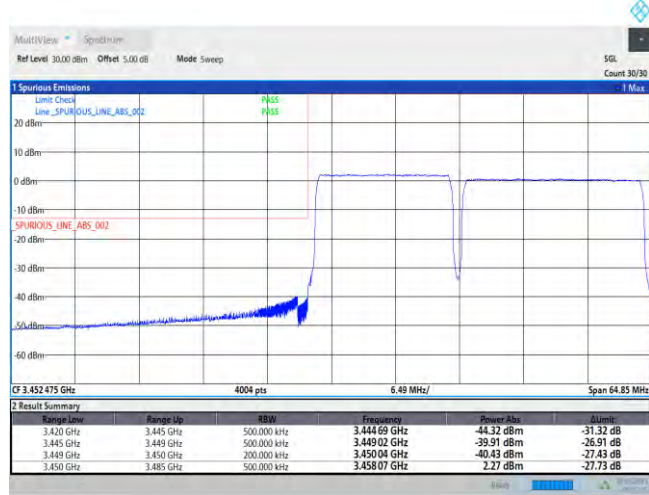
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-1RB#0-0RB#0



09:02:02 21.03.2023

42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0



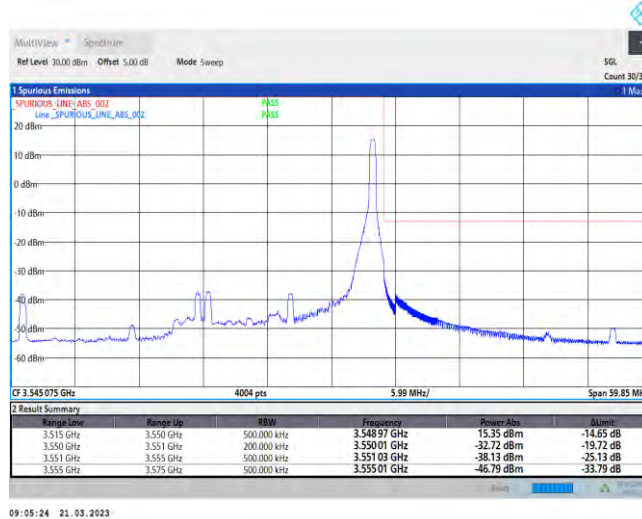
09:03:36 21.03.2023



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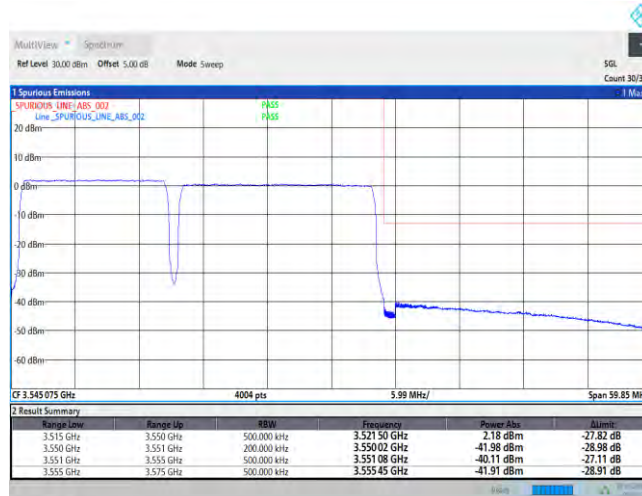
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42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-0RB#0-1RB#99



09:05:24 21. 03. 2023

42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-75RB#0-100RB#0



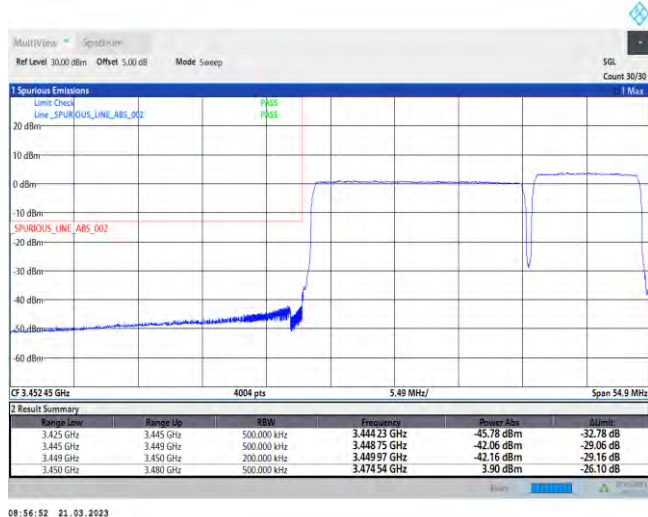
09:06:58 21. 03. 2023



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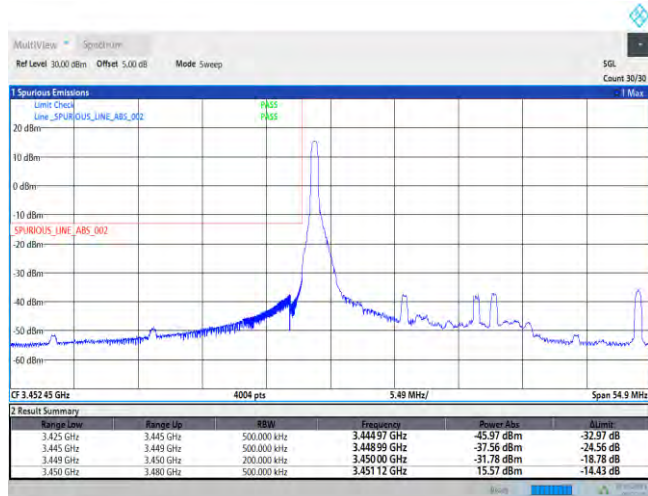
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



08:56:52 21. 03. 2023

42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-1RB#0-0RB#0



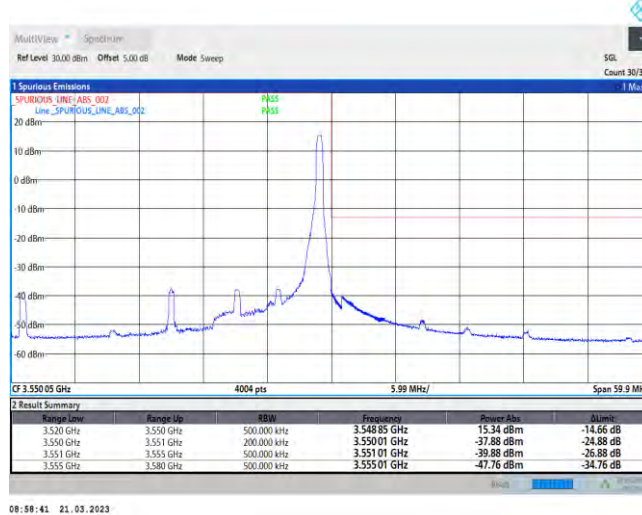
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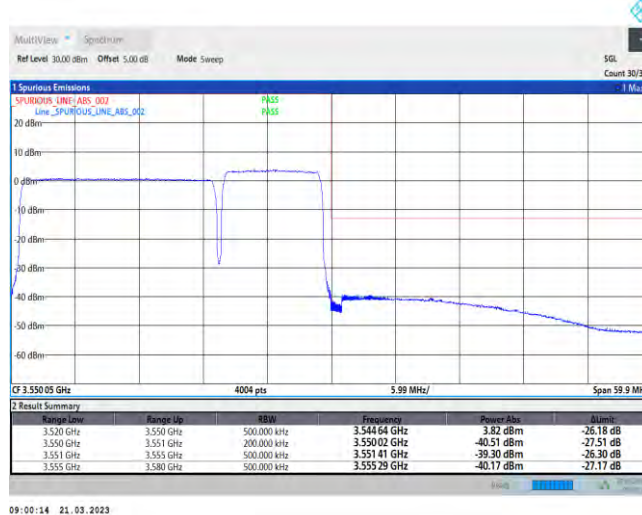
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



08:58:41 21. 03. 2023

42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



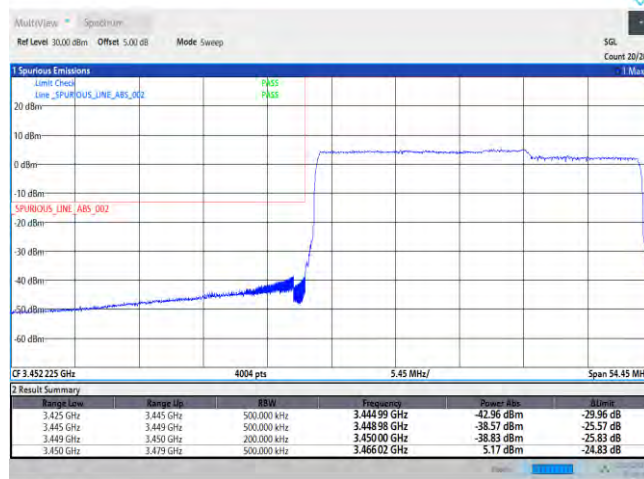
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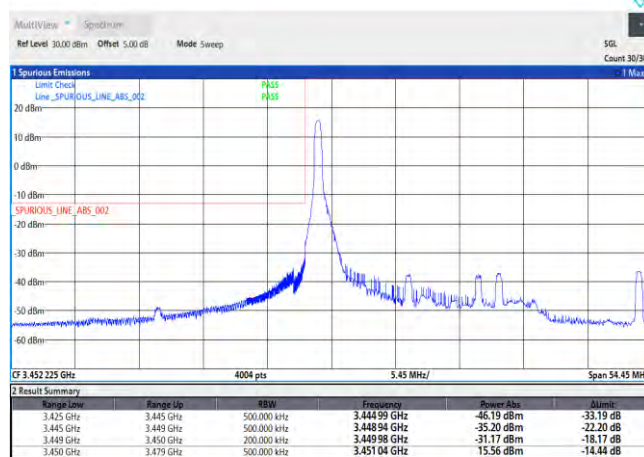
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42307-100RB#0-75RB#0



07:20:39 23.03.2023

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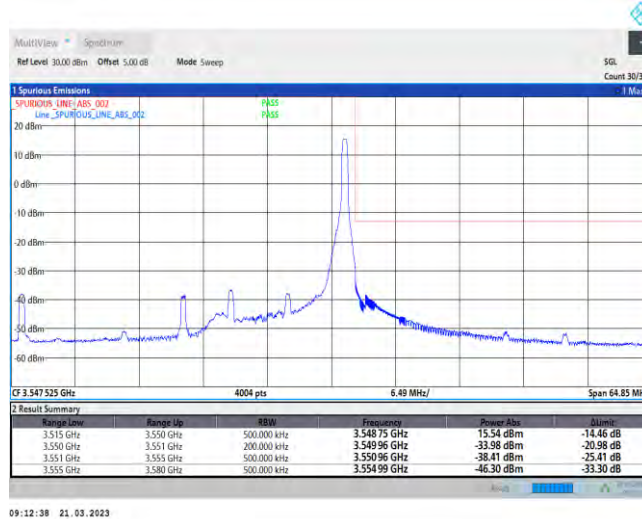
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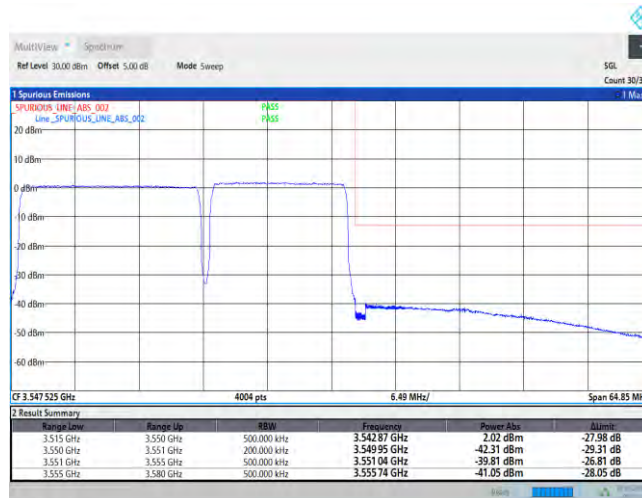
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-0RB#0-1RB#74



09:12:38 21. 03. 2023

42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



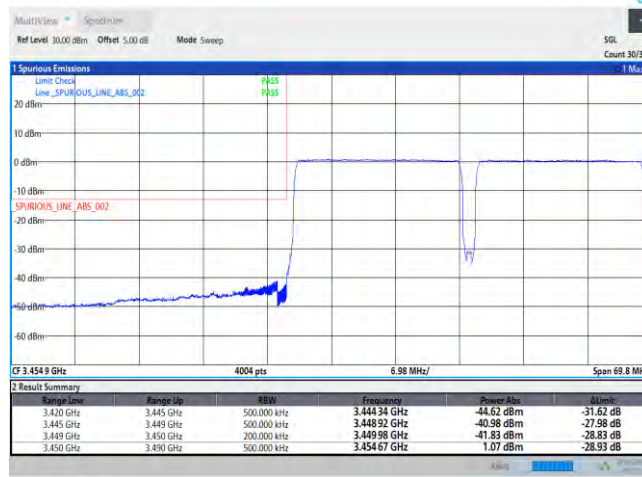
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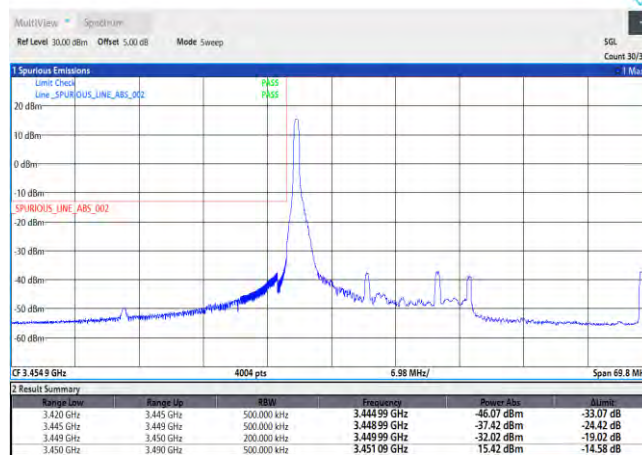
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



09:17:34 21.03.2023

42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0



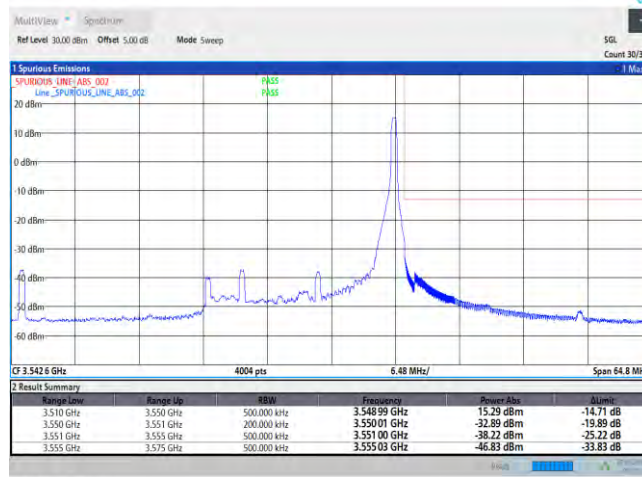
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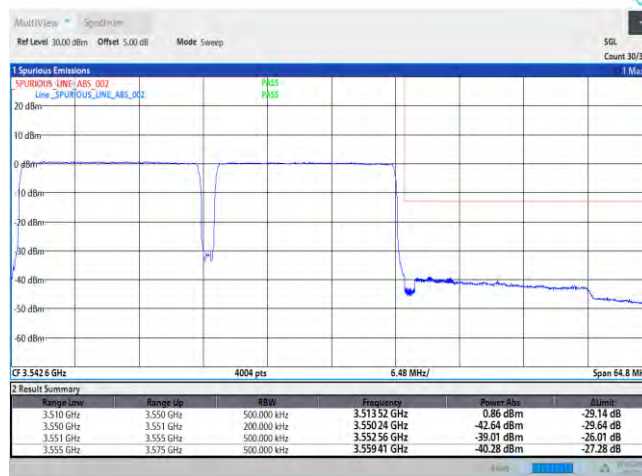
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-0RB#0-1RB#99



09:19:20 21. 03. 2023

42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



09:20:54 21. 03. 2023



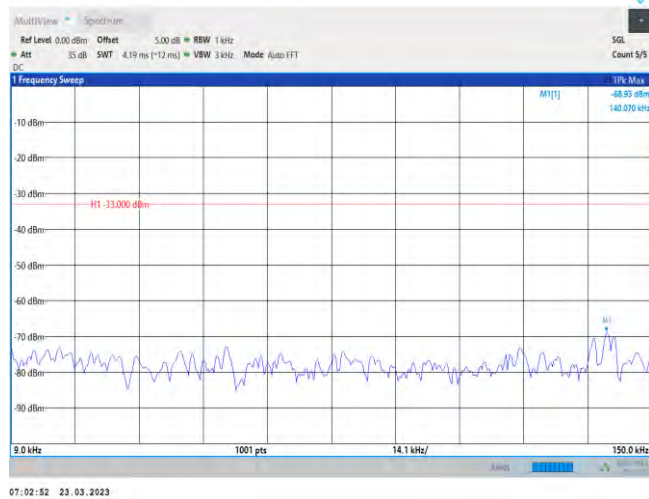
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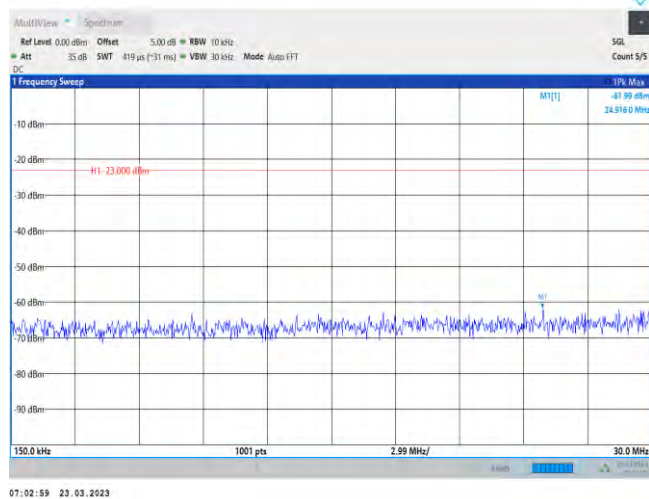
Conducted Spurious Emission

Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-0.009~0.15MHz



42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-0.15~30MHz



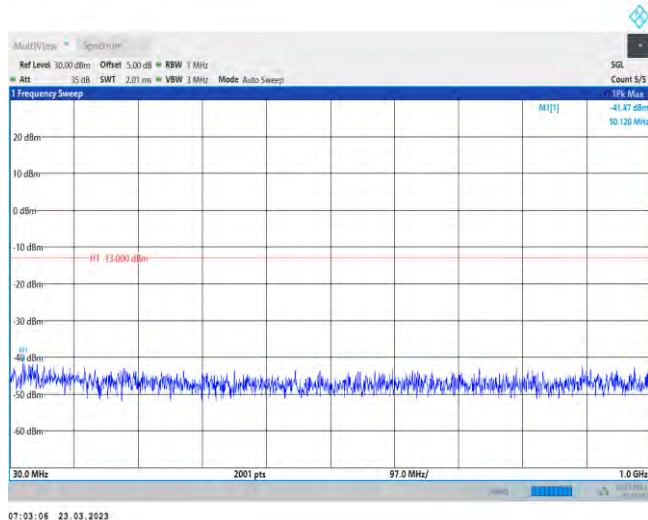
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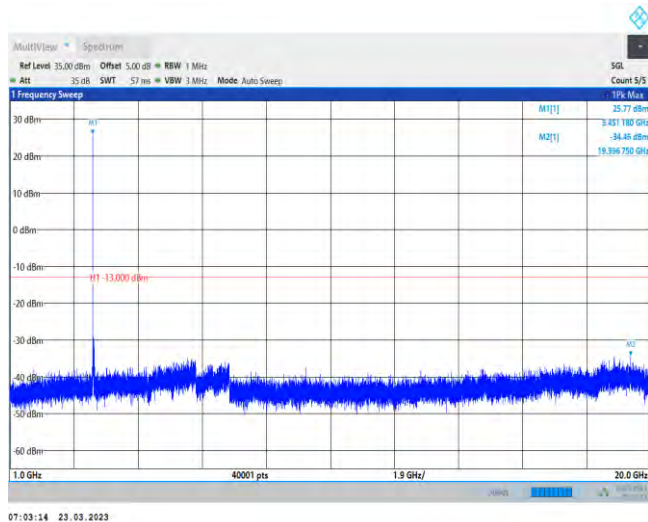
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-30~1000MHz



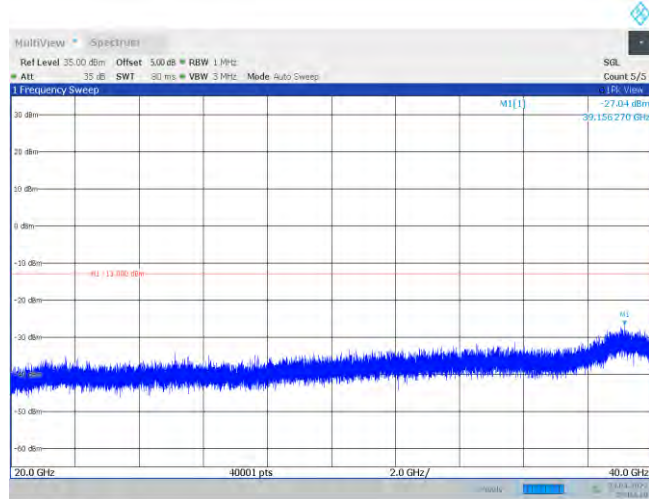
42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-1000~20000MHz



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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0-20000~38000MHz



19:03:10 20.03.2023

42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-1RB#0-0RB#0-0.009~0.15MHz



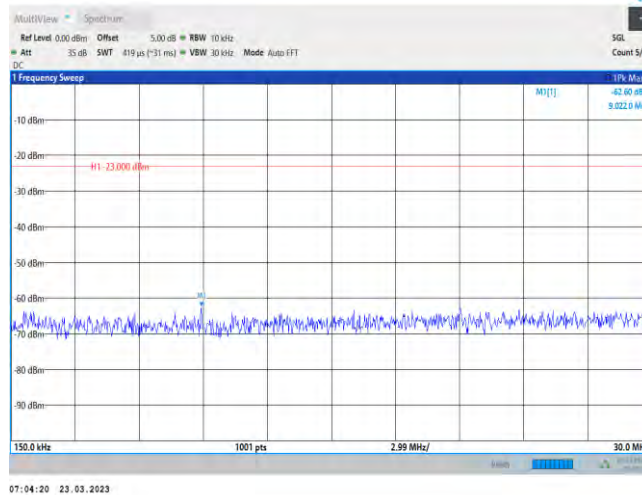
07:04:12 23.03.2023



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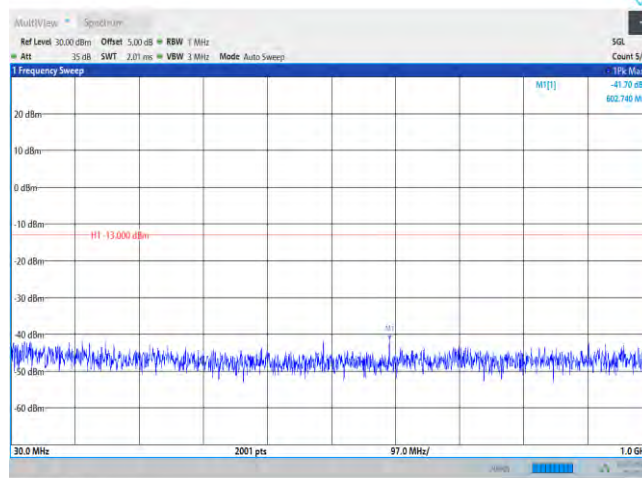
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42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-1RB#0-0RB#0-0.15~30MHz



07:04:20 23.03.2023

42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-1RB#0-0RB#0-30~1000MHz



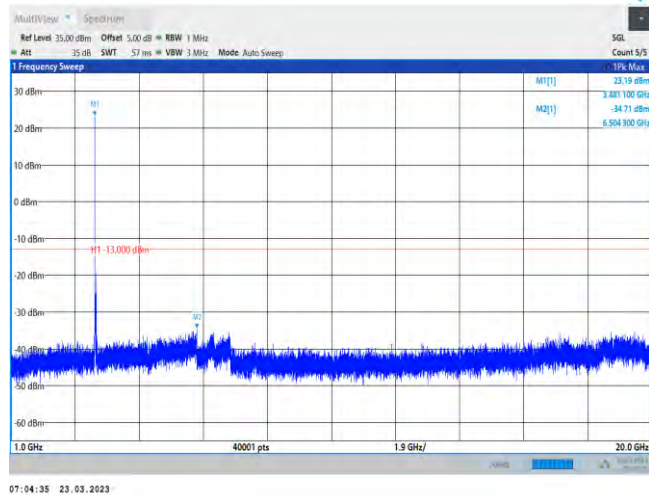
07:04:27 23.03.2023



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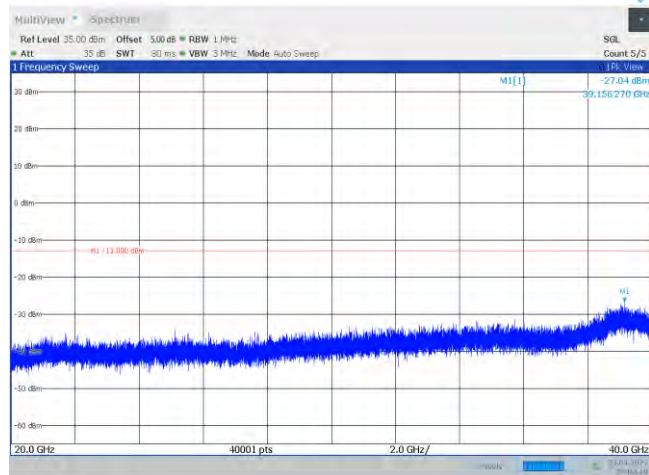
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42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-1RB#0-0RB#0-1000~20000MHz



07:04:35 23.03.2023

42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-1RB#0-0RB#0-20000~40000MHz



19:03:10 20.03.2023

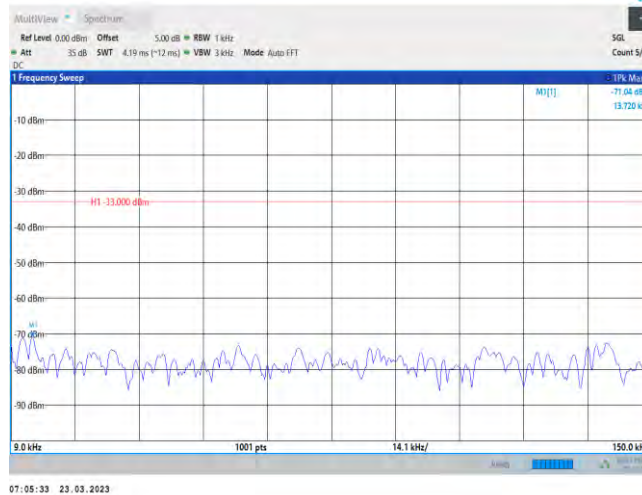


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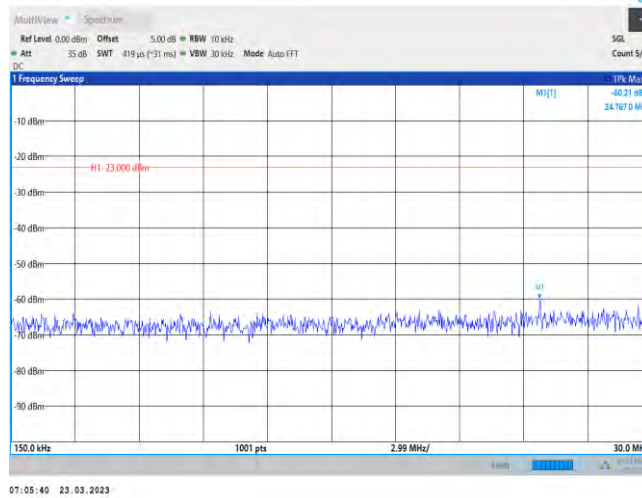
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-1RB#0-0RB#0-0.009~0.15MHz



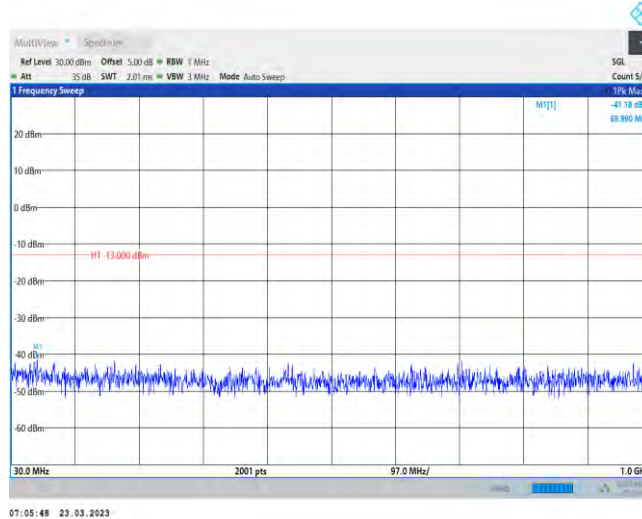
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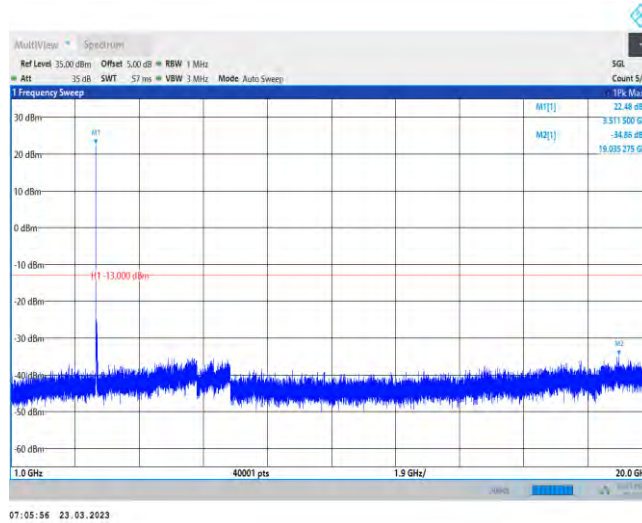
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-1RB#0-0RB#0-30~1000MHz



42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-1RB#0-0RB#0-1000~20000MHz

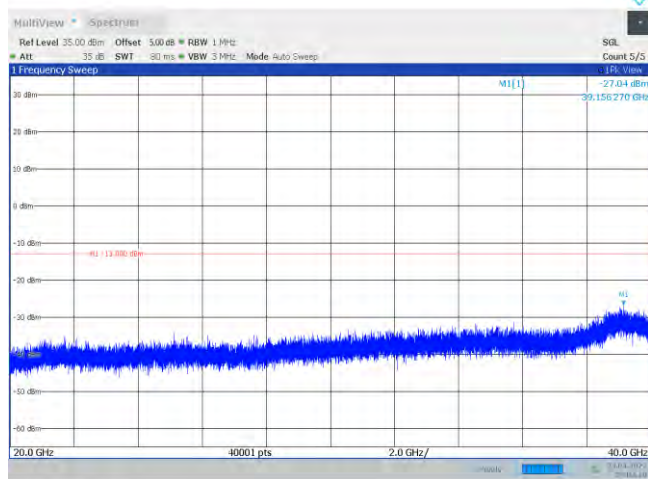


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Field Strength of Spurious Radiation

Test Band = LTE Band 42C 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	4935.6667	42.97	-45.20	32.70	-64.79	-13.00	51.79	143	3	Horizontal
2	6317.5833	42.40	-44.31	34.45	-62.72	-13.00	49.72	268	3	Horizontal
3	6902.1800	40.79	-43.85	35.96	-62.36	-13.00	49.36	195	99	Horizontal
4	10353.2700	34.74	-39.07	38.85	-60.75	-13.00	47.75	205	360	Horizontal
5	13804.3600	31.77	-36.14	39.96	-59.66	-13.00	46.66	193	234	Horizontal
6	17255.4500	33.39	-35.27	38.68	-58.46	-13.00	45.46	224	116	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	4920.5	43.58	-45.16	32.66	-64.18	-13.00	51.18	273	148	Vertical
2	6902.1800	40.80	-43.85	35.96	-62.35	-13.00	49.35	206	180	Vertical
3	9255.25	37.75	-40.18	38.38	-59.31	-13.00	46.31	299	296	Vertical
4	10353.2700	35.19	-39.07	38.85	-60.30	-13.00	47.30	158	116	Vertical
5	13804.3600	32.42	-36.14	39.96	-59.01	-13.00	46.01	167	231	Vertical
6	17255.4500	33.39	-35.27	38.68	-58.46	-13.00	45.46	137	149	Vertical



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Test Band = LTE Band 42C 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	5258.25	42.52	-45.00	32.93	-64.81	-13.00	51.81	249	16	Horizontal
2	6982.1800	40.20	-43.32	36.06	-62.33	-13.00	49.33	238	48	Horizontal
3	8646.25	39.34	-41.46	37.83	-59.55	-13.00	46.55	156	276	Horizontal
4	10473.2700	34.15	-38.72	38.93	-60.90	-13.00	47.90	293	48	Horizontal
5	13964.3600	30.95	-35.74	40.11	-59.94	-13.00	46.94	146	185	Horizontal
6	17455.4500	32.07	-35.00	39.05	-59.15	-13.00	46.15	208	310	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	5268.75	42.86	-44.97	32.92	-64.44	-13.00	51.44	287	359	Vertical
2	6982.1800	40.57	-43.32	36.06	-61.96	-13.00	48.96	163	85	Vertical
3	8706.3333	39.51	-41.48	37.93	-59.31	-13.00	46.31	220	261	Vertical
4	10473.2700	34.50	-38.72	38.93	-60.55	-13.00	47.55	152	66	Vertical
5	13964.3600	31.25	-35.74	40.11	-59.64	-13.00	46.64	164	99	Vertical
6	17455.4500	32.49	-35.00	39.05	-58.73	-13.00	45.73	204	148	Vertical



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Test Band = LTE Band 42C 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	5487.5	42.61	-44.94	32.90	-64.69	-13.00	51.69	234	129	Horizontal
2	7062.1800	40.20	-43.75	36.24	-62.57	-13.00	49.57	196	147	Horizontal
3	8818.9167	38.95	-40.96	38.09	-59.18	-13.00	46.18	248	192	Horizontal
4	10593.2700	34.47	-38.68	39.05	-60.42	-13.00	47.42	167	360	Horizontal
5	14124.3600	29.70	-35.49	40.20	-60.86	-13.00	47.86	218	82	Horizontal
6	17655.4500	31.24	-33.30	39.89	-57.43	-13.00	44.43	206	212	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	4957.8333	43.09	-45.25	32.76	-64.66	-13.00	51.66	157	165	Vertical
2	7062.1800	40.67	-43.75	36.24	-62.10	-13.00	49.10	248	360	Vertical
3	9005	38.52	-40.70	38.20	-59.24	-13.00	46.24	165	144	Vertical
4	10593.2700	34.17	-38.68	39.05	-60.72	-13.00	47.72	298	233	Vertical
5	14124.3600	30.05	-35.49	40.20	-60.51	-13.00	47.51	153	360	Vertical
6	17655.4500	31.18	-33.30	39.89	-57.49	-13.00	44.49	233	148	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
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	VH	NT	31.50	0.008536	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	VL	NT	37.10	0.010054	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	VN	NT	36.90	0.010000	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	50	40.60	0.011002	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	40	44.00	0.011924	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	30	44.60	0.012086	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	20	40.70	0.011030	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	10	50.80	0.013767	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	0	45.70	0.012384	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	-10	43.50	0.011788	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	-20	38.10	0.010325	PASS
42-42	20MHz-20MHz	QPSK -QPSK	42491-42689	100RB#0-100RB#0	NV	-30	40.80	0.011057	PASS

---End of Attachment---



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