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# Appendix B.16

## LTE CA\_42C



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### Ant5:

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	23.19	22.89	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	50RB#0-100RB#0	22.03	21.73	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	1RB#0-0RB#0	23.02	22.72	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	21.87	21.57	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	1RB#0-0RB#0	23.16	22.86	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	21.84	21.54	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	1RB#0-0RB#0	22.10	21.80	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	21.07	20.77	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	1RB#0-0RB#0	21.82	21.52	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	20.86	20.56	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	1RB#0-0RB#0	22.16	21.86	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	20.83	20.53	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	1RB#0-0RB#0	21.03	20.73	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	21.08	20.78	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	1RB#0-0RB#0	20.85	20.55	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	20.86	20.56	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	1RB#0-0RB#0	21.05	20.75	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	20.84	20.54	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	1RB#0-0RB#0	23.25	22.95	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	22.05	21.75	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	1RB#0-0RB#0	23.39	23.09	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	21.88	21.58	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	1RB#0-0RB#0	20.32	20.02	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	75RB#0-100RB#0	21.85	21.55	30.00	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	1RB#0-0RB#0	22.08	21.78	30.00	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	75RB#0-100RB#0	21.07	20.77	30.00	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	1RB#0-0RB#0	21.85	21.55	30.00	PASS



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42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	75RB#0-100RB#0	20.91	20.61	30.00	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	1RB#0-0RB#0	21.86	21.56	30.00	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	75RB#0-100RB#0	20.86	20.56	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	1RB#0-0RB#0	21.05	20.75	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	75RB#0-100RB#0	21.06	20.76	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	1RB#0-0RB#0	20.79	20.49	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	75RB#0-100RB#0	20.92	20.62	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	1RB#0-0RB#0	20.80	20.50	30.00	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	75RB#0-100RB#0	20.92	20.62	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	100RB#0-50RB#0	22.01	21.71	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	1RB#0-0RB#0	23.28	22.98	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	100RB#0-50RB#0	21.90	21.60	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	1RB#0-0RB#0	23.00	22.70	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	100RB#0-50RB#0	21.84	21.54	30.00	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	1RB#0-0RB#0	23.09	22.79	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	100RB#0-50RB#0	21.03	20.73	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	1RB#0-0RB#0	22.12	21.82	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	100RB#0-50RB#0	20.92	20.62	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	1RB#0-0RB#0	21.92	21.62	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	100RB#0-50RB#0	20.86	20.56	30.00	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	1RB#0-0RB#0	22.15	21.85	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	100RB#0-50RB#0	21.07	20.77	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	1RB#0-0RB#0	21.12	20.82	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	100RB#0-50RB#0	20.96	20.66	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	1RB#0-0RB#0	20.84	20.54	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	100RB#0-50RB#0	20.84	20.54	30.00	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	1RB#0-0RB#0	21.19	20.89	30.00	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	100RB#0-75RB#0	22.04	21.74	30.00	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	1RB#0-0RB#0	23.21	22.91	30.00	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	100RB#0-75RB#0	21.81	21.51	30.00	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	1RB#0-0RB#0	23.01	22.71	30.00	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	100RB#0-75RB#0	21.74	21.44	30.00	PASS



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42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	1RB#0-0RB#0	23.04	22.74	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	100RB#0-75RB#0	21.03	20.73	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	1RB#0-0RB#0	22.09	21.79	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	100RB#0-75RB#0	20.81	20.51	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	1RB#0-0RB#0	21.83	21.53	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	100RB#0-75RB#0	20.73	20.43	30.00	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	1RB#0-0RB#0	22.05	21.75	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	100RB#0-75RB#0	21.08	20.78	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	1RB#0-0RB#0	21.17	20.87	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	100RB#0-75RB#0	20.84	20.54	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	1RB#0-0RB#0	20.81	20.51	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	100RB#0-75RB#0	20.79	20.49	30.00	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	1RB#0-0RB#0	21.06	20.76	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	21.96	21.66	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	1RB#0-0RB#0	23.22	22.92	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	21.80	21.50	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	1RB#0-0RB#0	22.94	22.64	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	21.89	21.59	30.00	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	1RB#0-0RB#0	23.08	22.78	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	20.93	20.63	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	1RB#0-0RB#0	22.26	21.96	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	20.81	20.51	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	1RB#0-0RB#0	21.90	21.60	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	20.87	20.57	30.00	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	1RB#0-0RB#0	21.95	21.65	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	20.98	20.68	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	1RB#0-0RB#0	21.21	20.91	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	20.89	20.59	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	1RB#0-0RB#0	20.82	20.52	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	20.90	20.60	30.00	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	1RB#0-0RB#0	20.99	20.69	30.00	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	100RB#0-25RB#0	22.03	21.73	30.00	PASS



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42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	1RB#0-0RB#0	23.17	22.87	30.00	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	100RB#0-25RB#0	21.79	21.49	30.00	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	1RB#0-0RB#0	22.95	22.65	30.00	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	100RB#0-25RB#0	21.68	21.38	30.00	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	1RB#0-0RB#0	23.01	22.71	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	100RB#0-25RB#0	20.94	20.64	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	1RB#0-0RB#0	21.99	21.69	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	100RB#0-25RB#0	20.83	20.53	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	1RB#0-0RB#0	22.11	21.81	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	100RB#0-25RB#0	20.70	20.40	30.00	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	1RB#0-0RB#0	21.95	21.65	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	100RB#0-25RB#0	20.97	20.67	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	1RB#0-0RB#0	21.05	20.75	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	100RB#0-25RB#0	20.82	20.52	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	1RB#0-0RB#0	20.96	20.66	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	100RB#0-25RB#0	20.71	20.41	30.00	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	1RB#0-0RB#0	21.13	20.83	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	1RB#0-0RB#0	24.27	23.97	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	50RB#0-100RB#0	20.56	20.26	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	1RB#0-0RB#0	22.98	22.68	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	50RB#0-100RB#0	20.32	20.02	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	1RB#0-0RB#0	23.00	22.70	30.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	50RB#0-100RB#0	20.25	19.95	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	1RB#0-0RB#0	22.06	21.76	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	50RB#0-100RB#0	20.47	20.17	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	1RB#0-0RB#0	21.88	21.58	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	50RB#0-100RB#0	20.24	19.94	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	1RB#0-0RB#0	21.66	21.36	30.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	50RB#0-100RB#0	20.19	19.89	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	1RB#0-0RB#0	22.05	21.75	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	50RB#0-100RB#0	20.41	20.11	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	1RB#0-0RB#0	20.80	20.50	30.00	PASS



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42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	50RB#0-100RB#0	20.20	19.90	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	1RB#0-0RB#0	20.72	20.42	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	50RB#0-100RB#0	20.12	19.82	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
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	10.18	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	10.14	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	10.16	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	10.20	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	10.12	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	10.12	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	10.14	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	10.16	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	10.14	13	PASS



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Test Graphs

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



23:05:24 28.05.2023

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



23:07:09 28.05.2023



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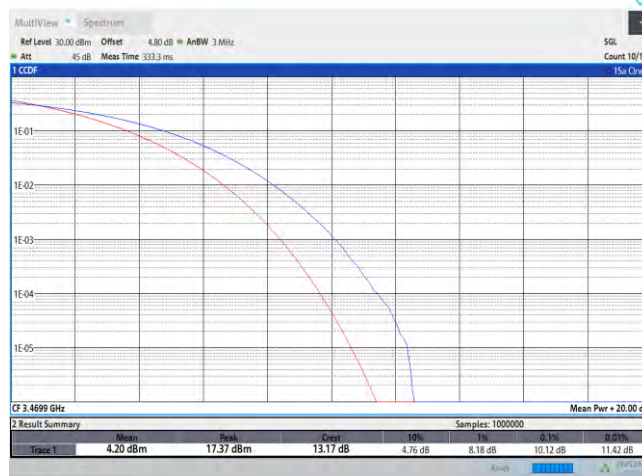


42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



23:08:54 28.05.2023

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



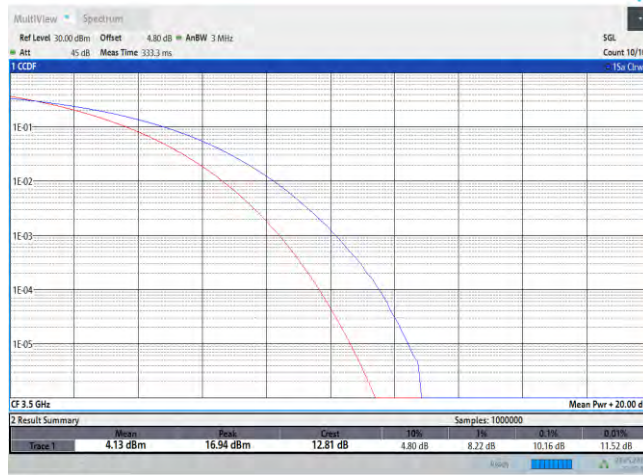
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



23:07:40 28.05.2023

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



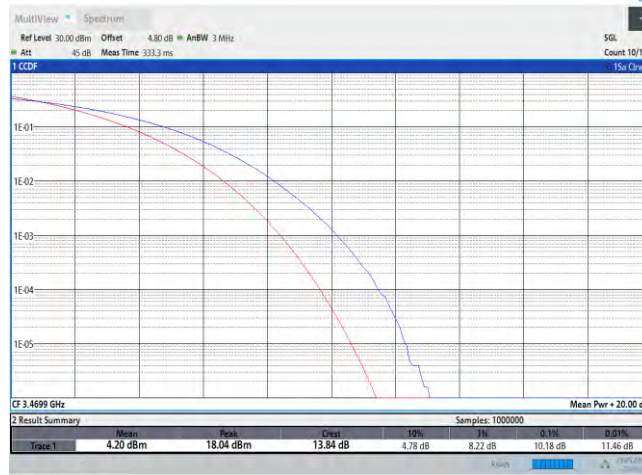
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



23:06:27 28.05.2023

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



23:08:12 28.05.2023



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



23:09:57 28.05.2023



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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



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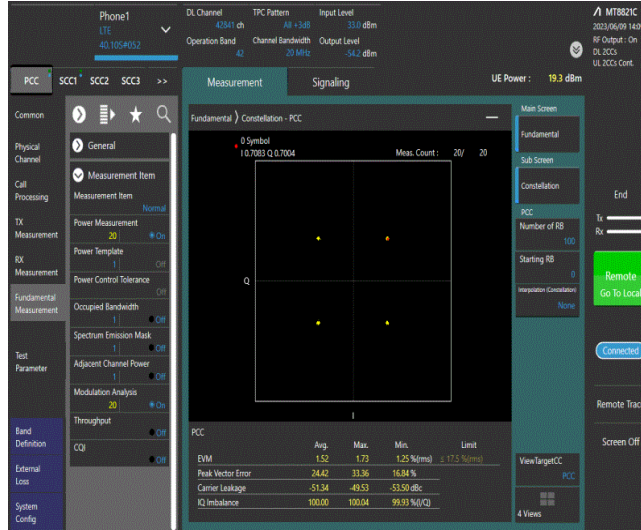
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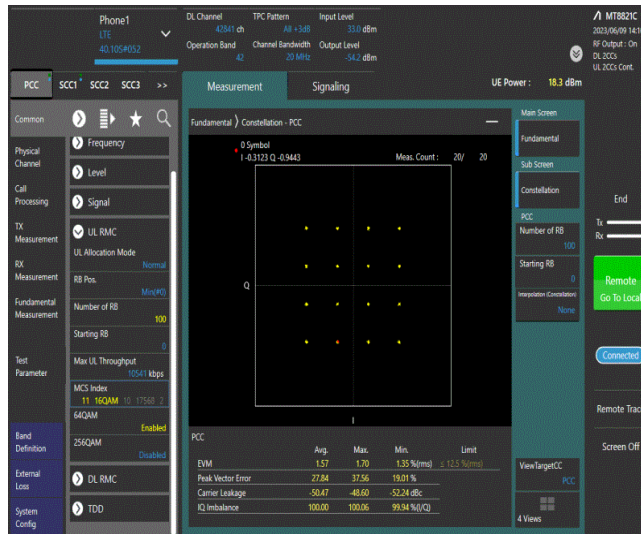
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Test Graphs

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



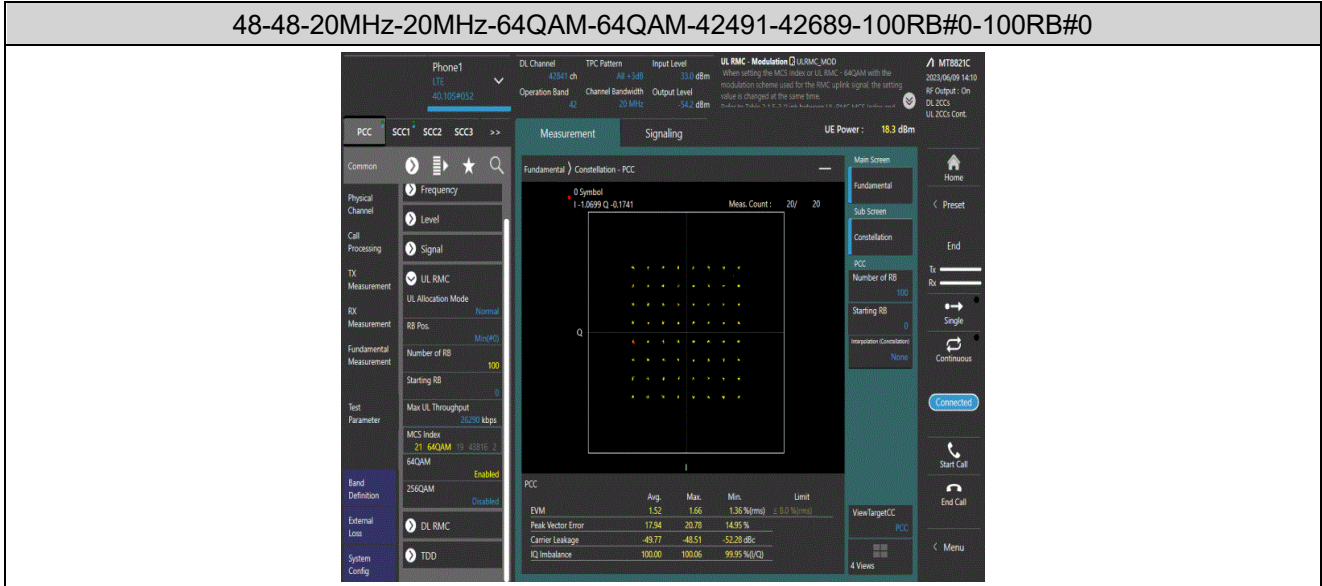
48-48-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



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



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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	28.008	30.13	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	28.137	30.53	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	28.067	30.40	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	28.112	30.13	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	28.035	30.27	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	27.963	30.80	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	28.091	30.13	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	28.083	31.73	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	28.053	30.27	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	32.820	35.60	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	32.846	35.47	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	75RB#0-100RB#0	32.856	36.93	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	75RB#0-100RB#0	32.778	35.73	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	75RB#0-100RB#0	32.768	37.47	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	75RB#0-100RB#0	32.821	35.20	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	75RB#0-100RB#0	32.726	37.33	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	75RB#0-100RB#0	32.943	35.33	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	75RB#0-100RB#0	32.913	36.27	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	100RB#0-50RB#0	28.027	30.40	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	100RB#0-50RB#0	28.119	31.73	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	100RB#0-50RB#0	28.141	31.07	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	100RB#0-50RB#0	28.148	30.93	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	100RB#0-50RB#0	28.021	30.67	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	100RB#0-50RB#0	28.086	30.40	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42190-42334	100RB#0-50RB#0	28.101	30.27	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42541-42685	100RB#0-50RB#0	28.097	31.87	PASS
42-42	20MHz-10MHz	64QAM-64QAM	42891-43035	100RB#0-50RB#0	28.138	32.80	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42190-42361	100RB#0-75RB#0	32.885	35.20	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42516-42687	100RB#0-75RB#0	33.053	35.60	PASS
42-42	20MHz-15MHz	QPSK-QPSK	42841-43012	100RB#0-75RB#0	32.924	35.33	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42190-42361	100RB#0-75RB#0	32.996	35.33	PASS



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42-42	20MHz-15MHz	16QAM-16QAM	42516-42687	100RB#0-75RB#0	32.915	37.07	PASS
42-42	20MHz-15MHz	16QAM-16QAM	42841-43012	100RB#0-75RB#0	32.957	35.73	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42190-42361	100RB#0-75RB#0	32.834	35.47	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42516-42687	100RB#0-75RB#0	32.853	36.27	PASS
42-42	20MHz-15MHz	64QAM-64QAM	42841-43012	100RB#0-75RB#0	32.950	35.20	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42190-42388	100RB#0-100RB#0	37.730	40.27	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	37.909	40.53	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	37.805	40.13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	37.648	40.27	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	37.700	40.67	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	37.760	40.13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	37.683	41.60	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	37.615	40.13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	37.701	41.47	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42190-42307	100RB#0-25RB#0	23.040	24.42	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42565-42682	100RB#0-25RB#0	22.957	24.58	PASS
42-42	20MHz-5MHz	QPSK-QPSK	42940-43057	100RB#0-25RB#0	22.900	24.33	PASS
42-42	20MHz-5MHz	QPSK-QPSK	45065-45182	100RB#0-25RB#0	22.946	24.42	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42190-42307	100RB#0-25RB#0	22.937	24.33	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42565-42682	100RB#0-25RB#0	22.981	24.42	PASS
42-42	20MHz-5MHz	16QAM-16QAM	42940-43057	100RB#0-25RB#0	22.925	24.25	PASS
42-42	20MHz-5MHz	16QAM-16QAM	45065-45182	100RB#0-25RB#0	22.928	24.33	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42190-42307	100RB#0-25RB#0	22.846	24.58	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42565-42682	100RB#0-25RB#0	22.861	24.25	PASS
42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	100RB#0-25RB#0	22.962	24.25	PASS
42-42	20MHz-5MHz	64QAM-64QAM	45065-45182	100RB#0-25RB#0	22.928	24.33	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	25RB#0-100RB#0	22.826	24.08	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	25RB#0-100RB#0	22.902	24.25	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	25RB#0-100RB#0	22.876	24.17	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	25RB#0-100RB#0	22.863	24.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	25RB#0-100RB#0	22.808	24.17	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	25RB#0-100RB#0	22.900	24.17	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	25RB#0-100RB#0	22.910	24.17	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	25RB#0-100RB#0	22.873	24.08	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	25RB#0-100RB#0	22.863	24.00	PASS

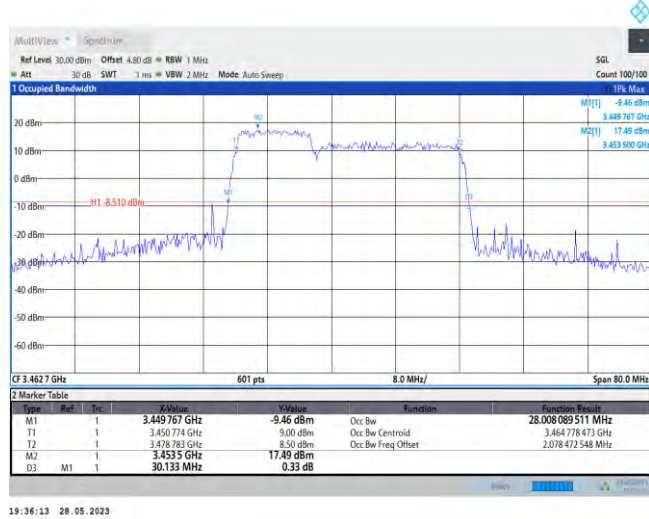


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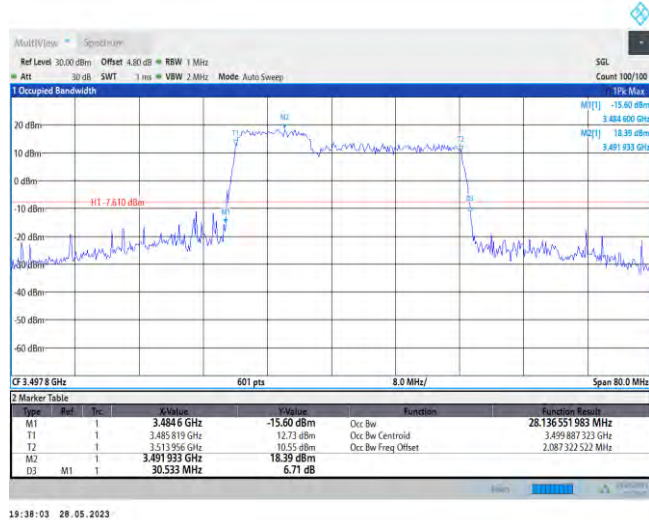
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Test Graphs

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



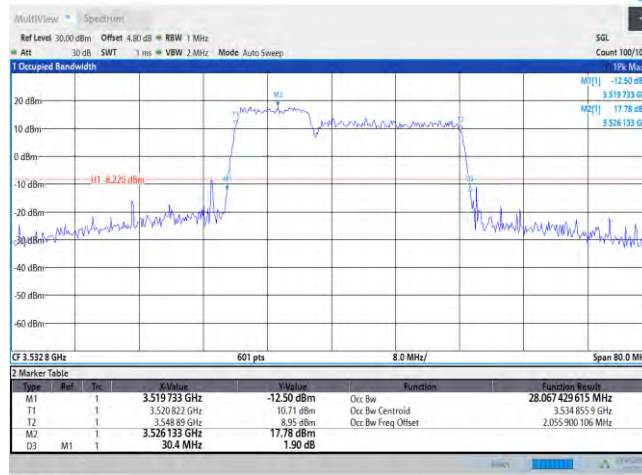
42-42-10MHz-20MHz-QPSK-QPSK-42496-42640-50RB#0-100RB#0



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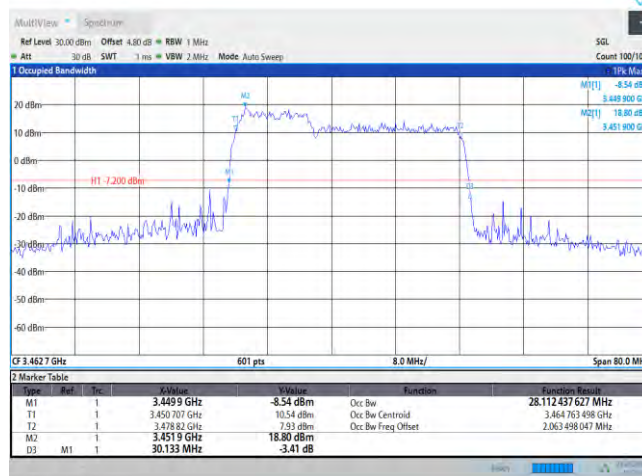
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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-50RB#0-100RB#0



19:39:53 28.05.2023

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



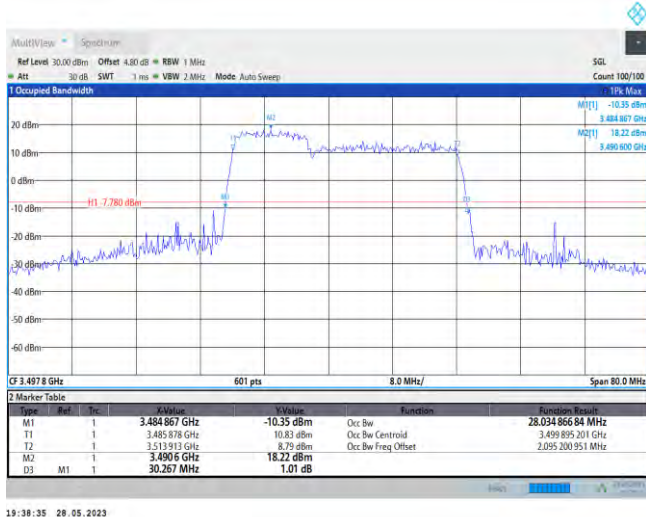
19:36:45 28.05.2023



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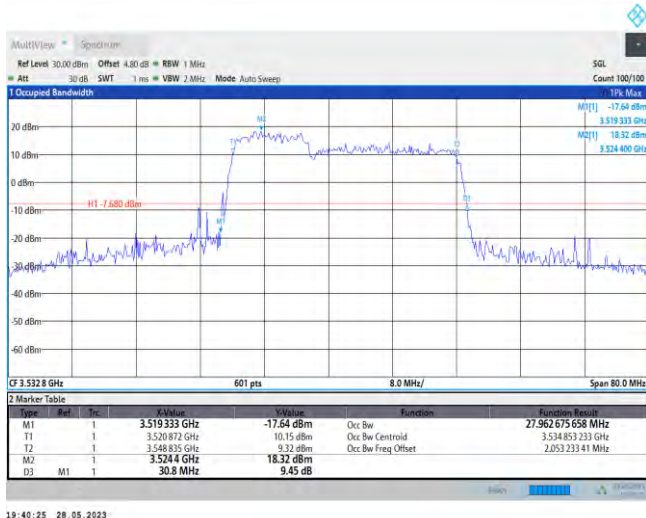
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42-42-10MHz-20MHz-16QAM-16QAM-42496-42640-50RB#0-100RB#0



19:38:35 28.05.2023

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



19:40:25 28.05.2023

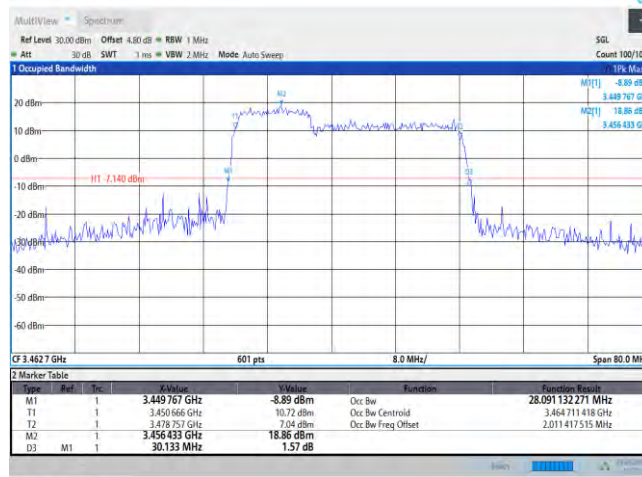


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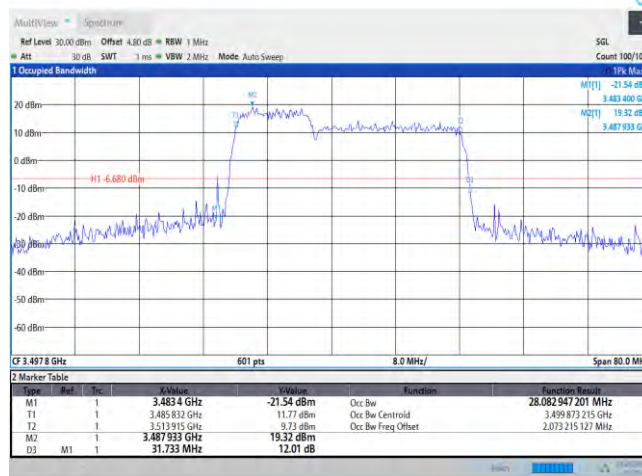
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19:37:17 28.05.2023

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



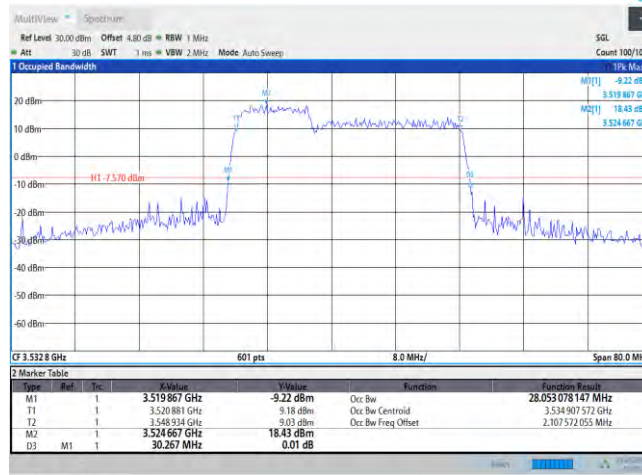
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42-42-10MHz-20MHz-64QAM-64QAM-42846-42990-50RB#0-100RB#0



19:40:57 28.05.2023

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



19:47:22 28.05.2023



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



19:49:12 28.05.2023

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



19:47:18 09.06.2023



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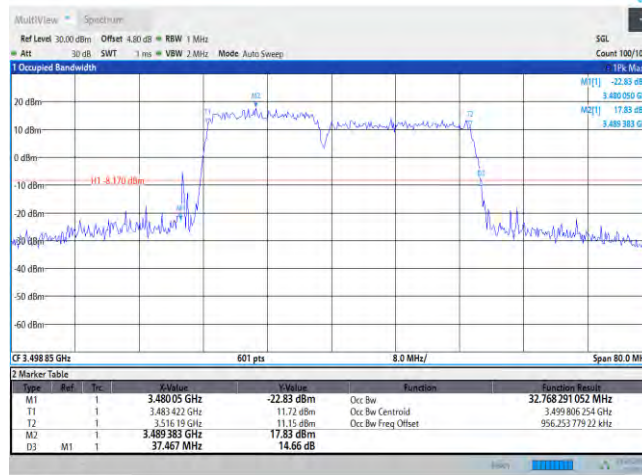
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42-42-15MHz-20MHz-16QAM-16QAM-42168-42339-75RB#0-100RB#0



19:47:54 28.05.2023

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



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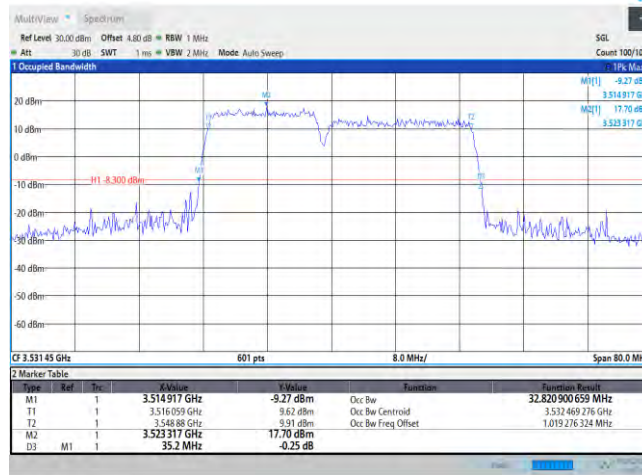


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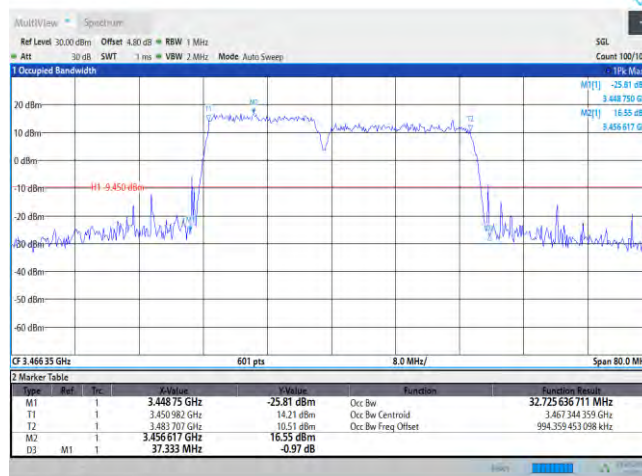


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19:47:50 09.06.2023

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



19:48:25 20.05.2023



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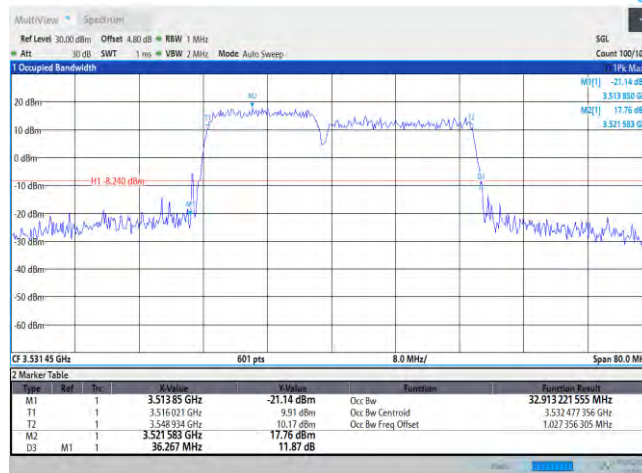
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42-42-15MHz-20MHz-64QAM-64QAM-42493-42664-75RB#0-100RB#0



19:50:15 28.05.2023

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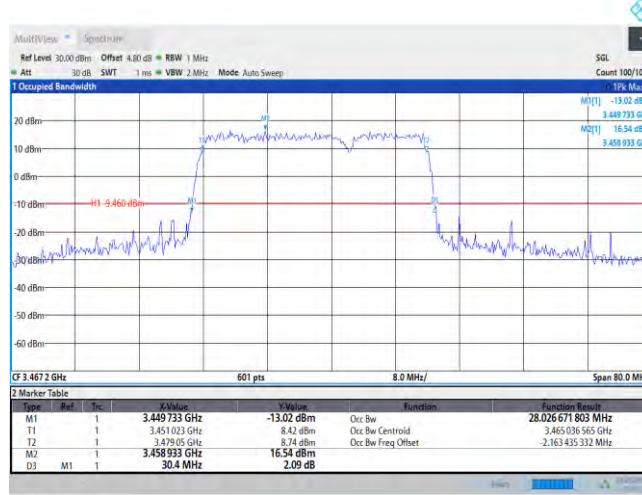
19:48:21 09.06.2023



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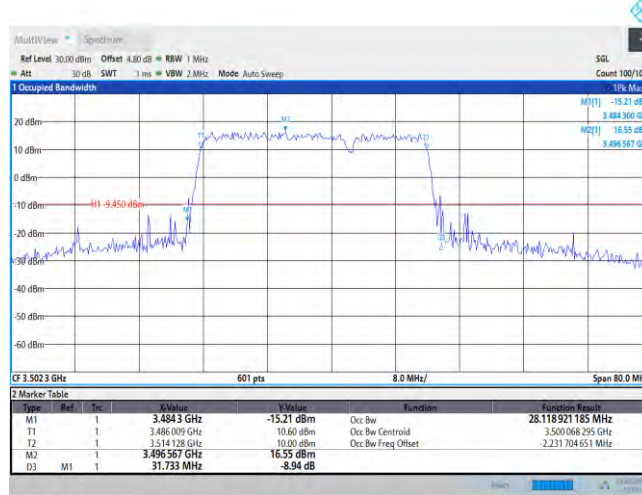
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



19:41:53 28.05.2023

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



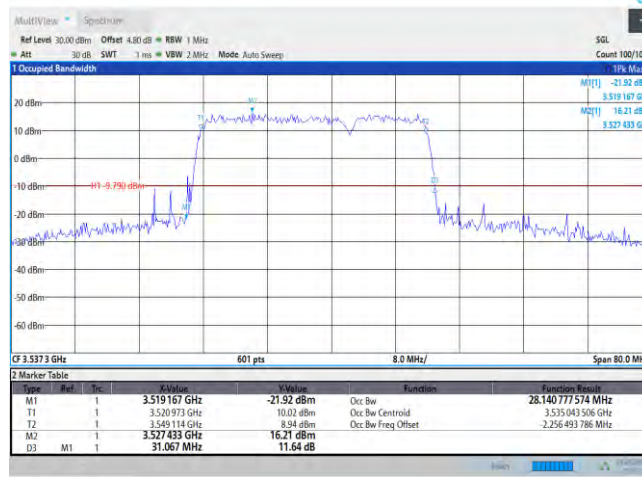
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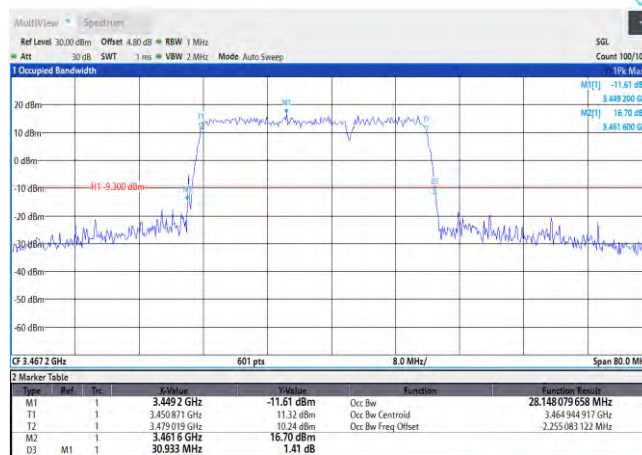
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



19:45:33 28.05.2023

42-42-20MHz-10MHz-16QAM-16QAM-42190-42334-100RB#0-50RB#0



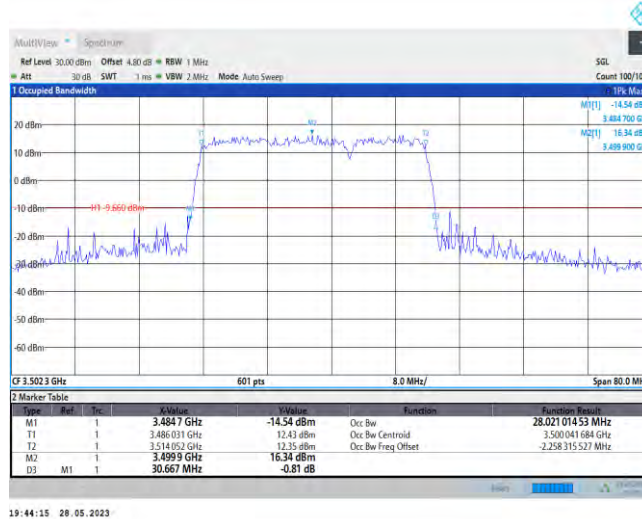
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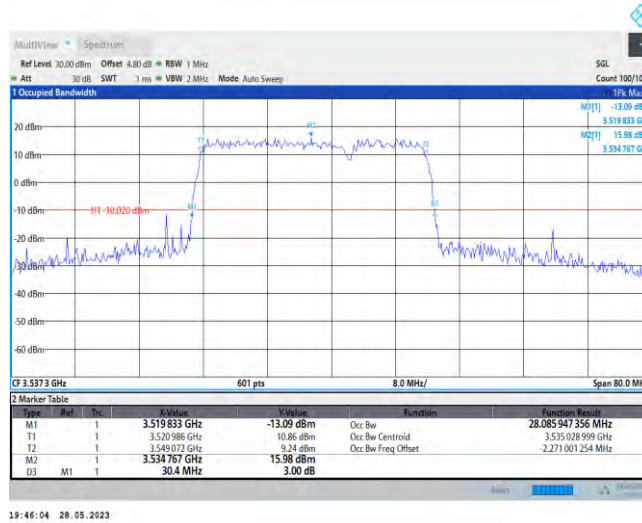
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42-42-20MHz-10MHz-16QAM-16QAM-42541-42685-100RB#0-50RB#0



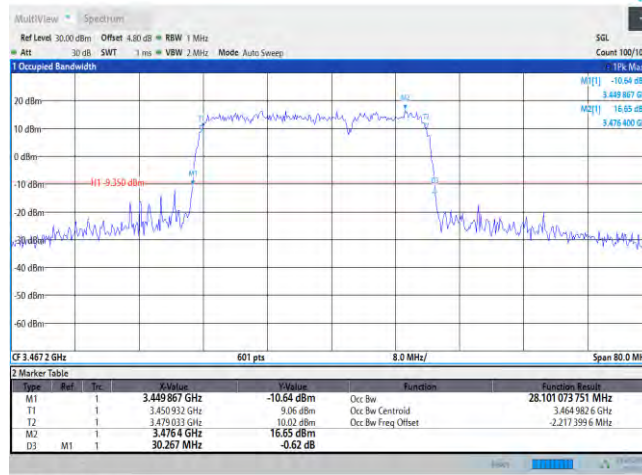
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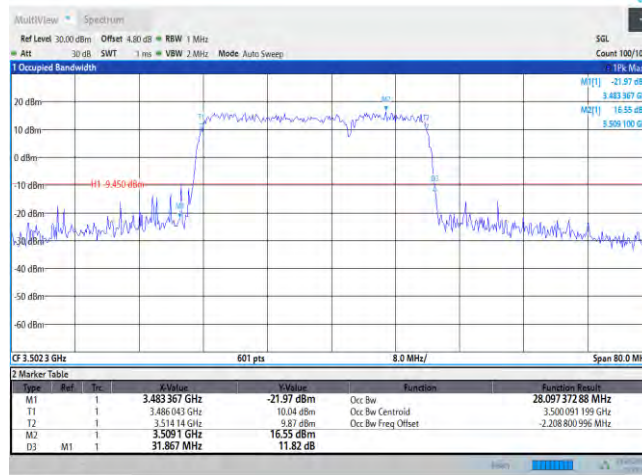
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42-42-20MHz-10MHz-64QAM-64QAM-42190-42334-100RB#0-50RB#0



19:42:57 28.05.2023

42-42-20MHz-10MHz-64QAM-64QAM-42541-42685-100RB#0-50RB#0



19:44:46 28.05.2023

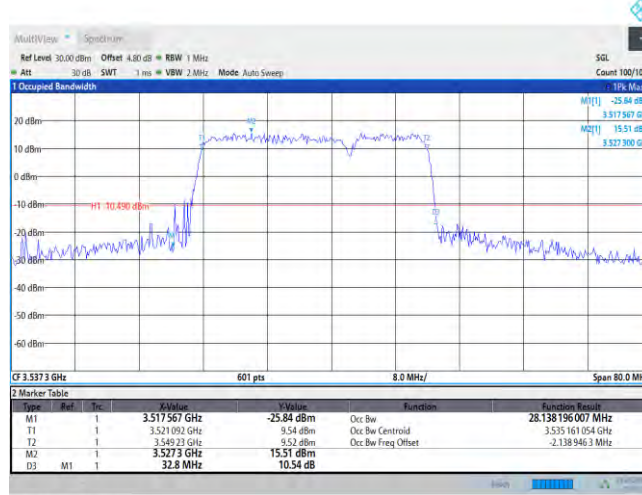


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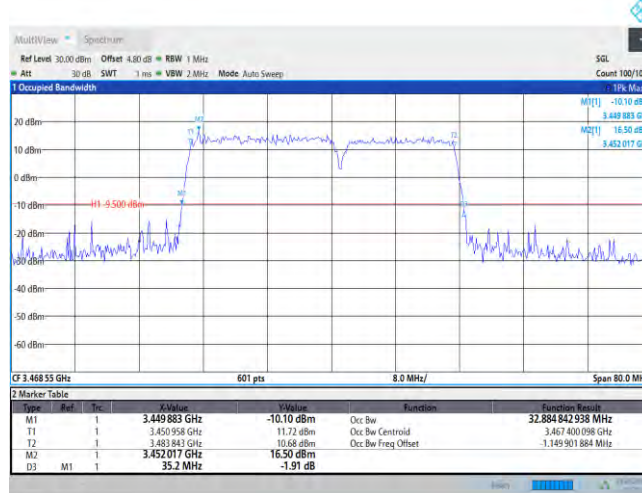
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42-42-20MHz-10MHz-64QAM-64QAM-42891-43035-100RB#0-50RB#0



19:46:36 28.05.2023

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



20:24:40 28.05.2023



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42-42-20MHz-15MHz-QPSK-QPSK-42516-42687-100RB#0-75RB#0



20:26:30 28.05.2023

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18:53:35 09.06.2023



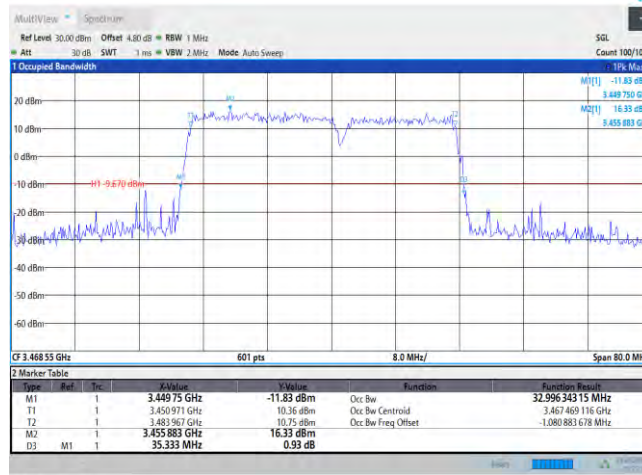
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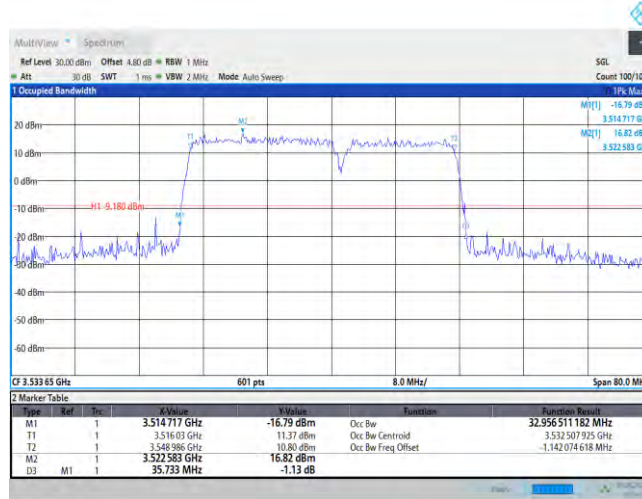
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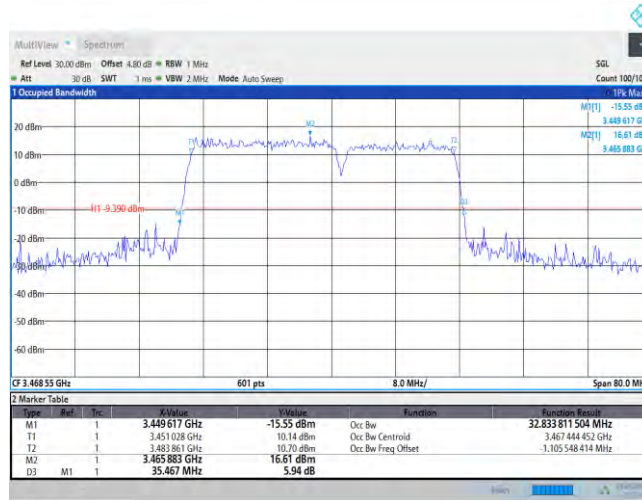
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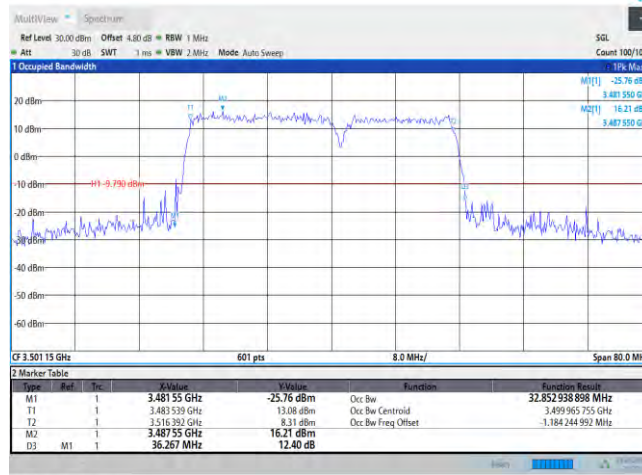
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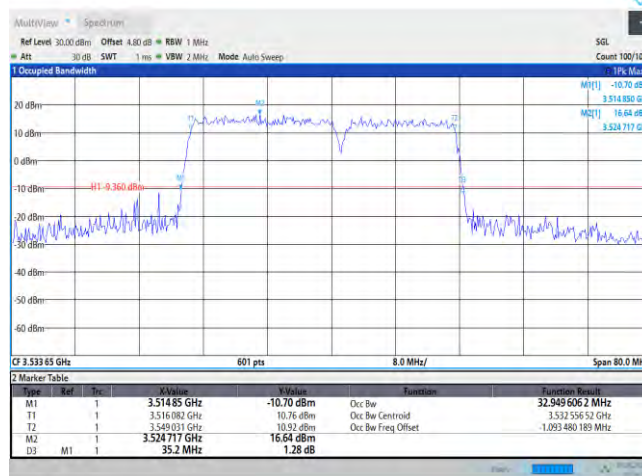
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20:27:33 28.05.2023

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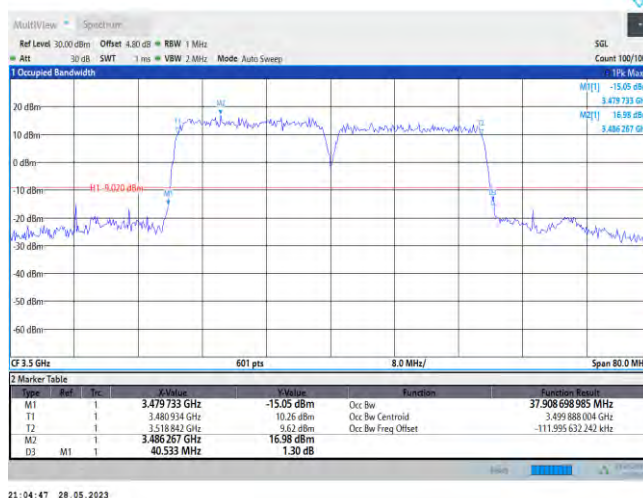
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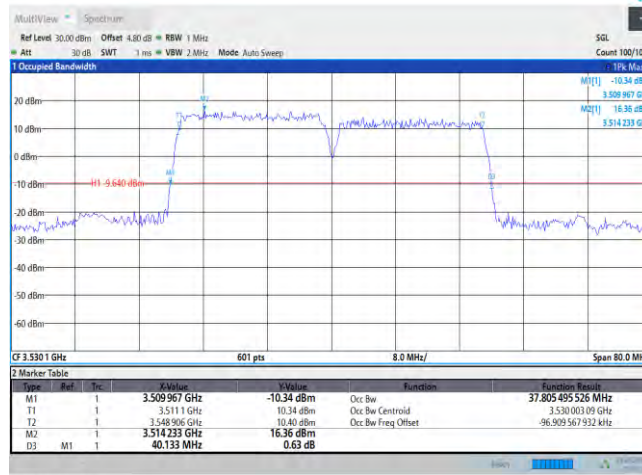
21:04:47 28.05.2023



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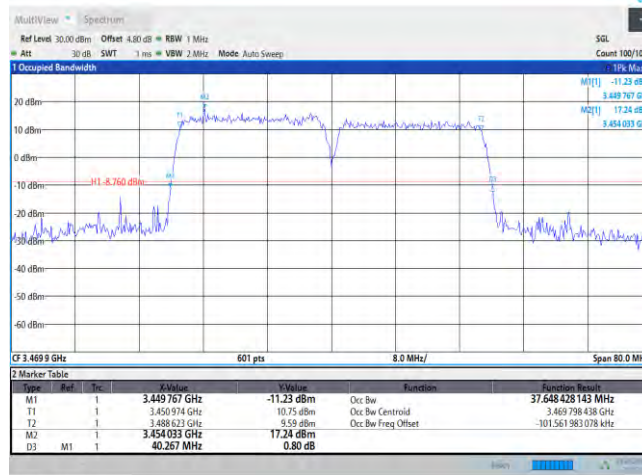
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



21:06:34 28.05.2023

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



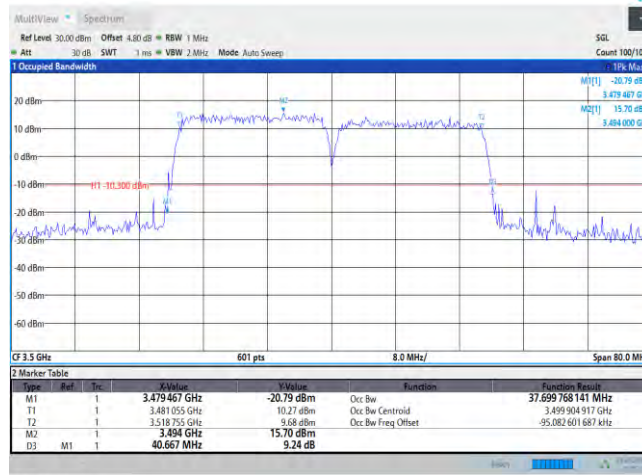
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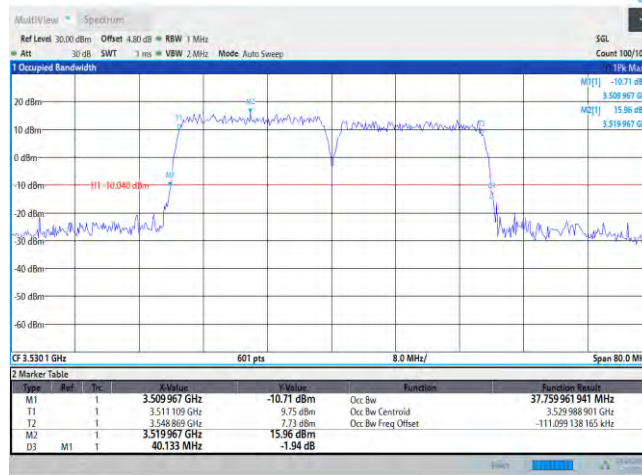
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



21:05:19 28.05.2023

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



21:07:05 28.05.2023



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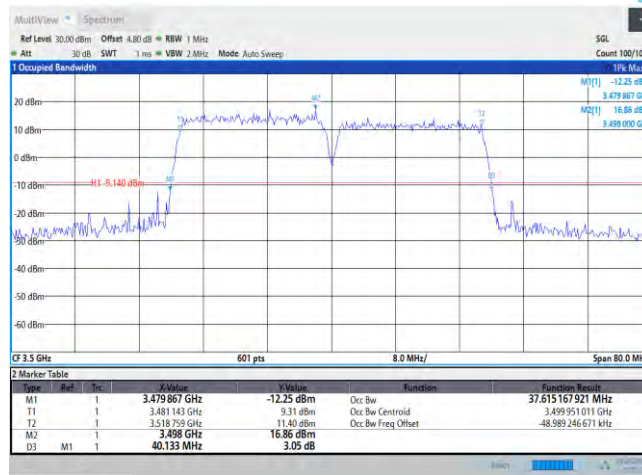
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



21:04:04 20.05.2023

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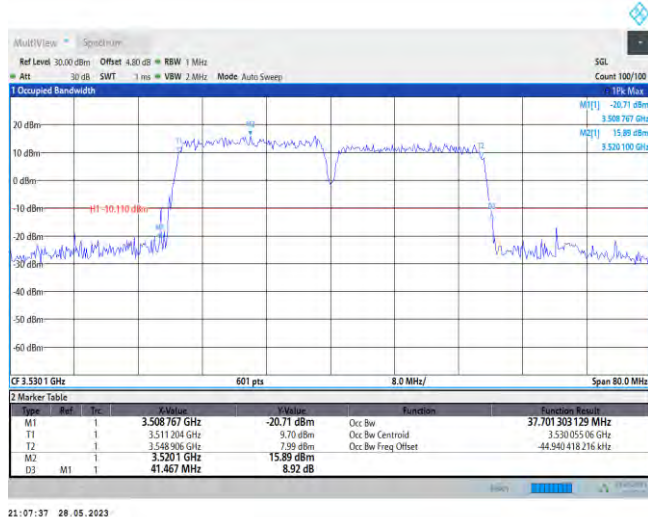
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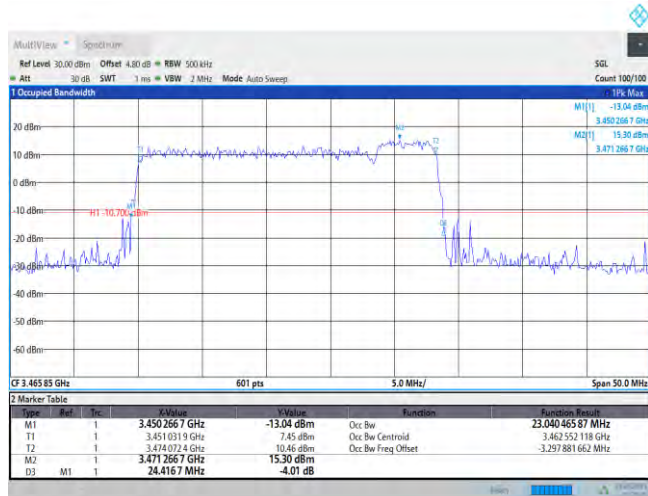
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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



21:07:37 28.05.2023

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



19:24:04 28.05.2023



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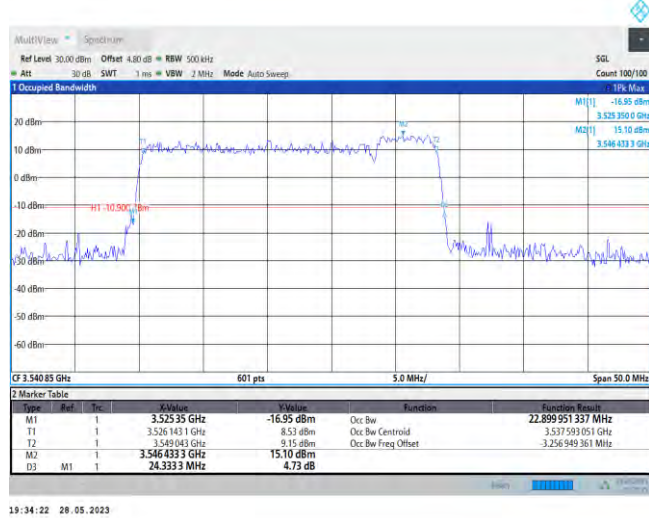
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42-42-20MHz-5MHz-QPSK-QPSK-42565-42682-100RB#0-25RB#0



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



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42-42-20MHz-5MHz-QPSK-QPSK-45065-45182-100RB#0-25RB#0



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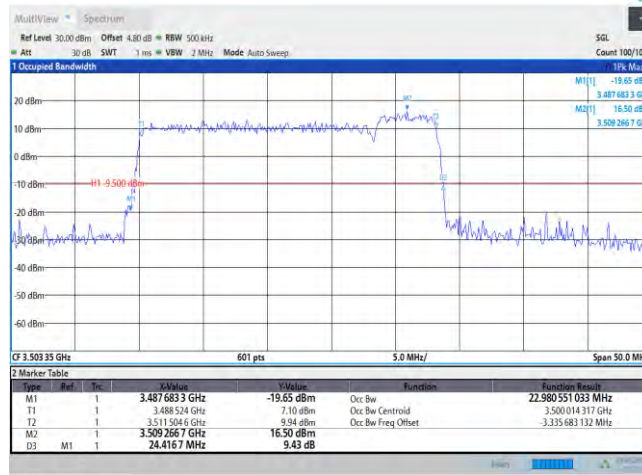
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42-42-20MHz-5MHz-16QAM-16QAM-42565-42682-100RB#0-25RB#0



19:33:03 28.05.2023

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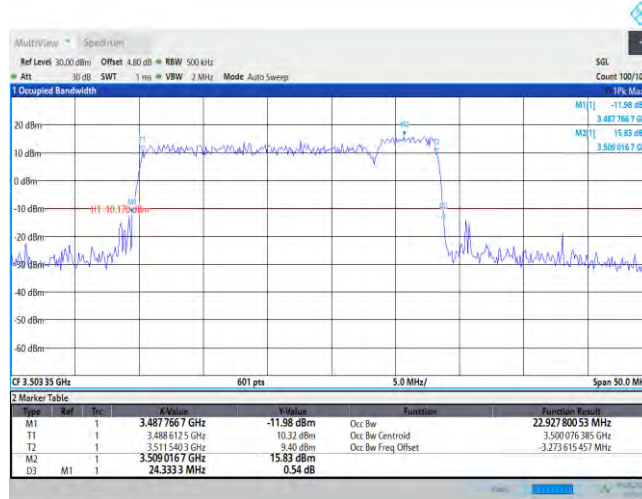
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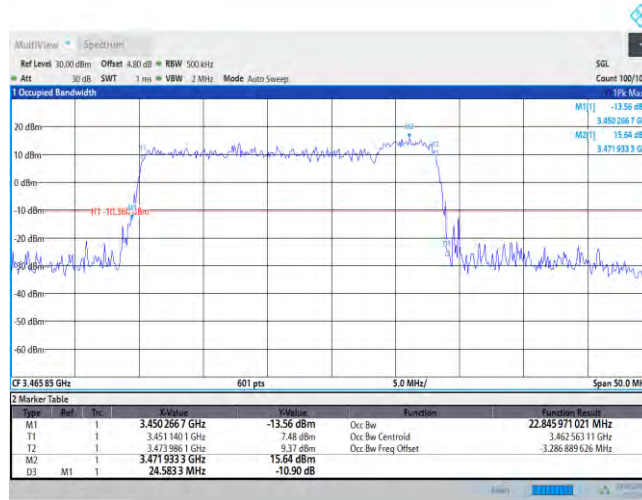
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42-42-20MHz-5MHz-16QAM-16QAM-45065-45182-100RB#0-25RB#0



18:52:06 09.06.2023

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19:25:08 20.05.2023



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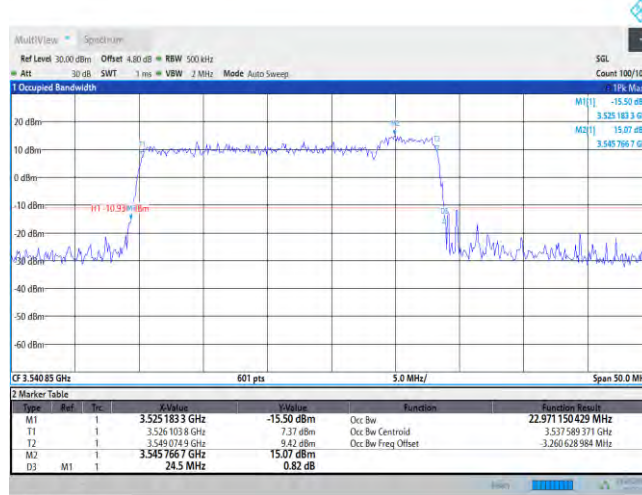
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19:33:35 28.05.2023

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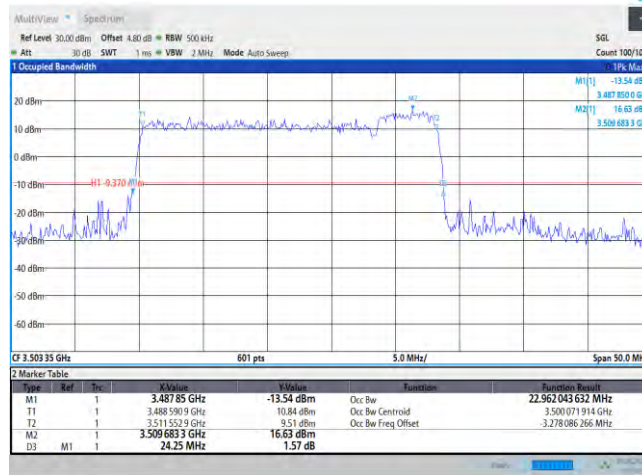


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42-42-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



18:52:38 09.06.2023

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19:18:16 20.05.2023



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



19:20:05 28.05.2023

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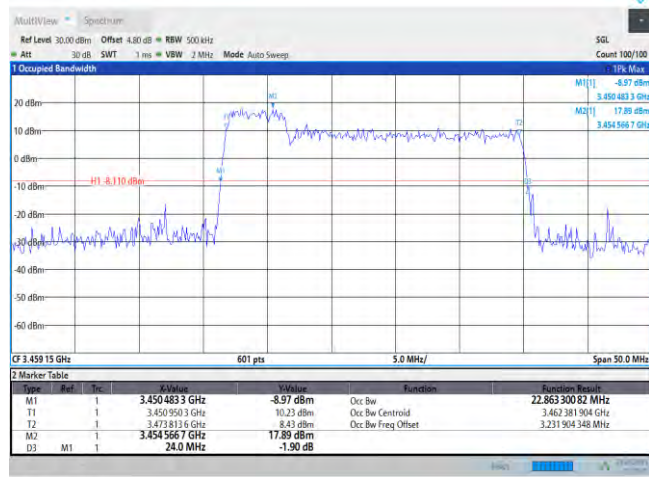


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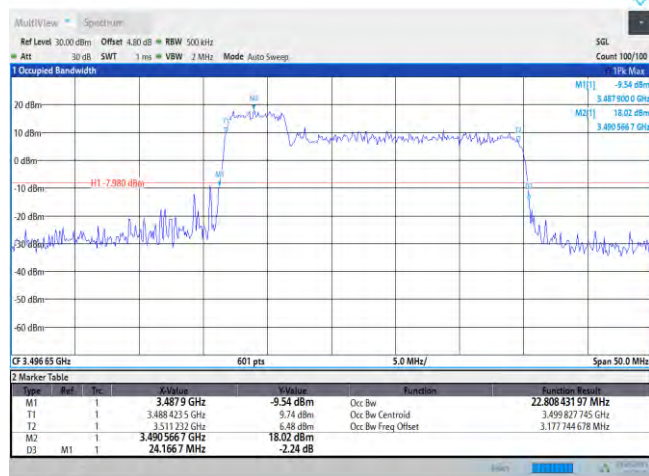
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42-42-5MHz-20MHz-16QAM-16QAM-42123-42240-25RB#0-100RB#0



19:18:48 28.05.2023

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



19:20:36 28.05.2023

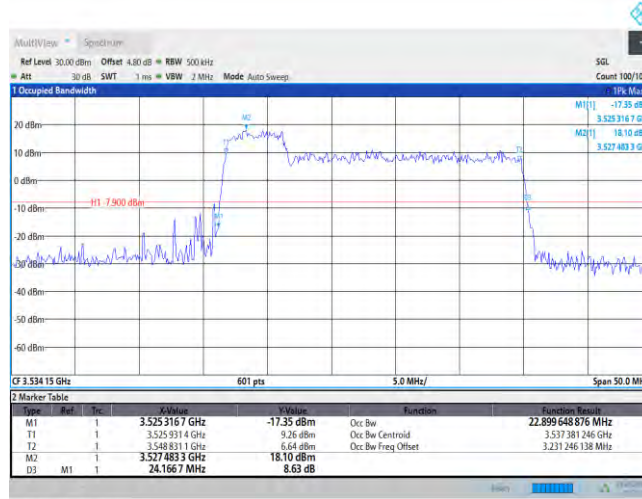


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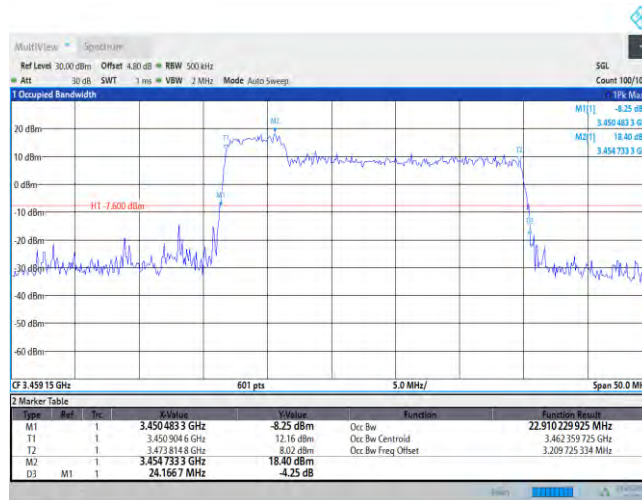


42-42-5MHz-20MHz-16QAM-16QAM-42873-42990-25RB#0-100RB#0



19:22:37 28.05.2023

42-42-5MHz-20MHz-64QAM-64QAM-42123-42240-25RB#0-100RB#0



19:19:20 28.05.2023



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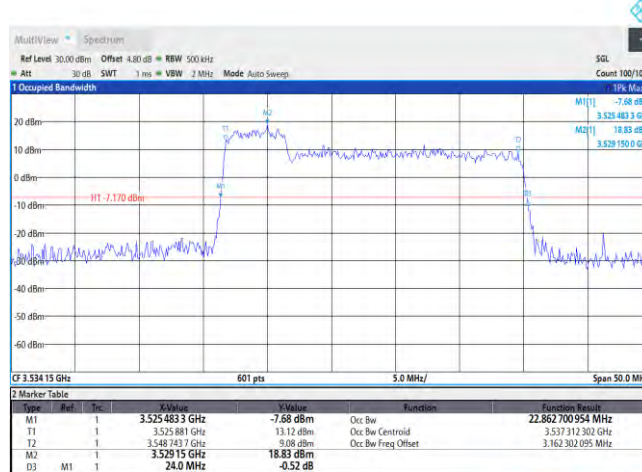
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42-42-5MHz-20MHz-64QAM-64QAM-42498-42615-25RB#0-100RB#0



19:21:08 28.05.2023

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



19:23:09 28.05.2023



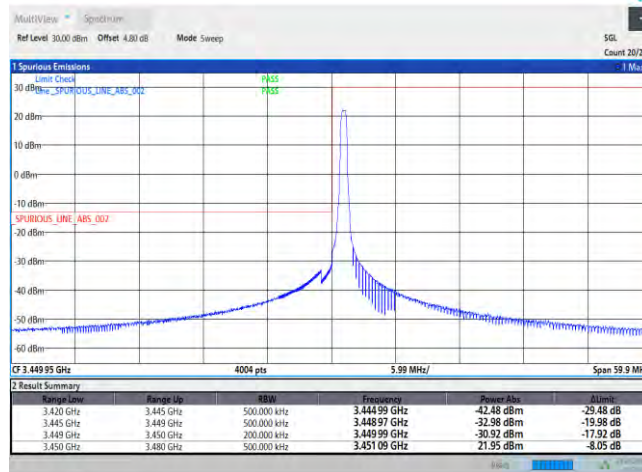
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## Band Edge

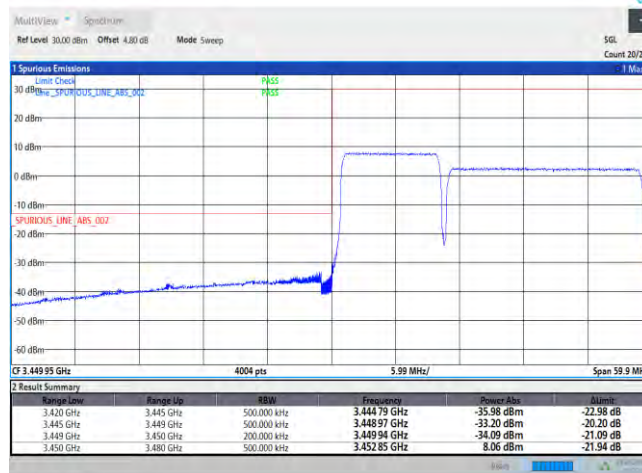
## Test Graphs

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



16:56:09 28.05.2023

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



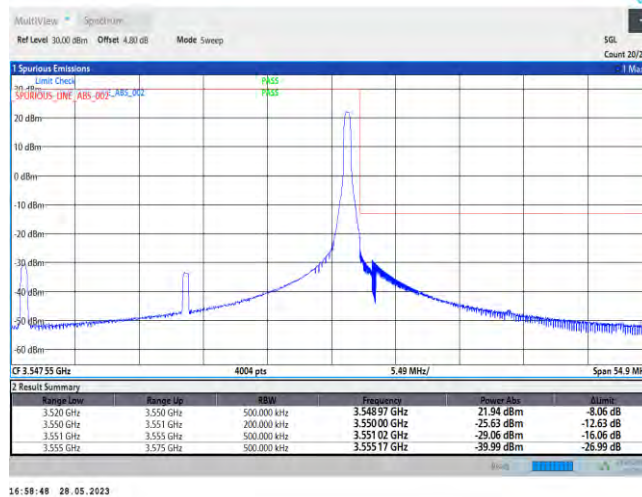
16:57:21 28.05.2023



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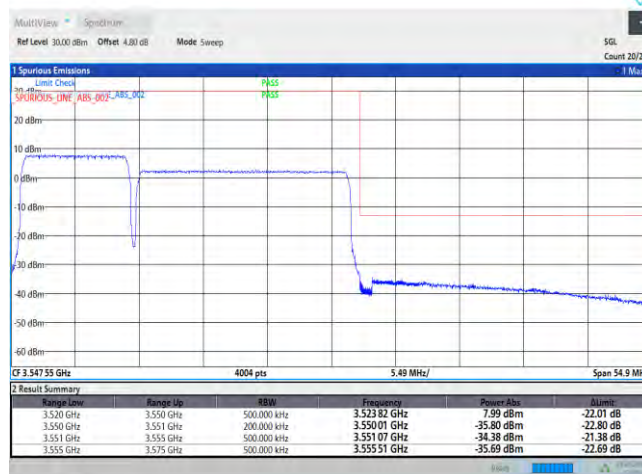
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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-0RB#0-1RB#99



16:58:48 28.05.2023

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



17:00:01 28.05.2023

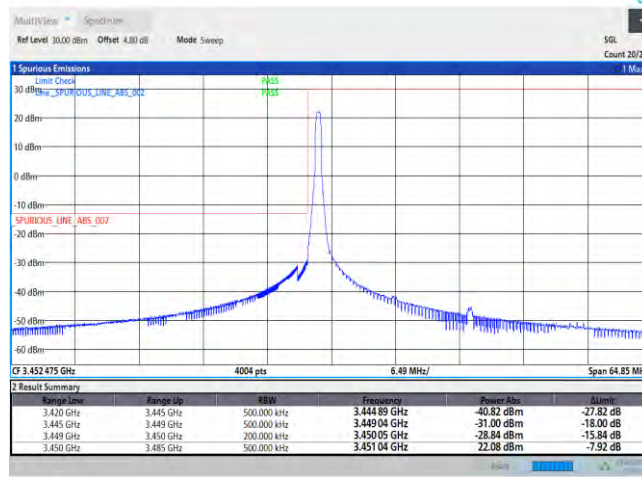


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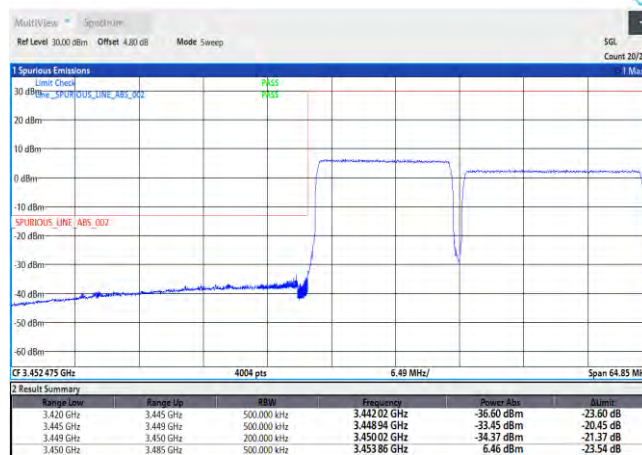
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-1RB#0-0RB#0



17:06:55 28.05.2023

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



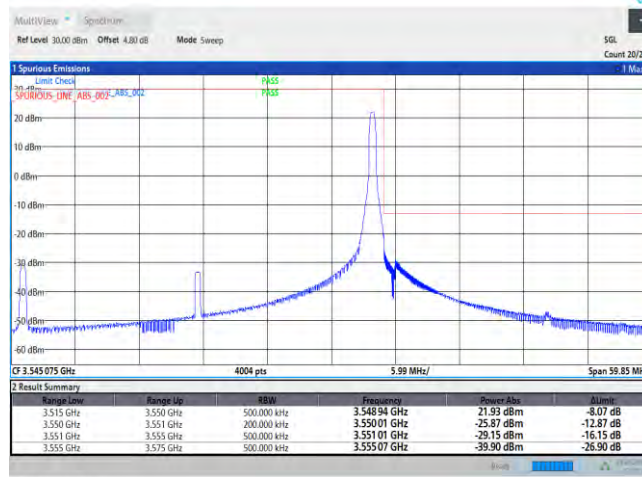
17:08:07 28.05.2023



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



17:10:14 28.05.2023

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



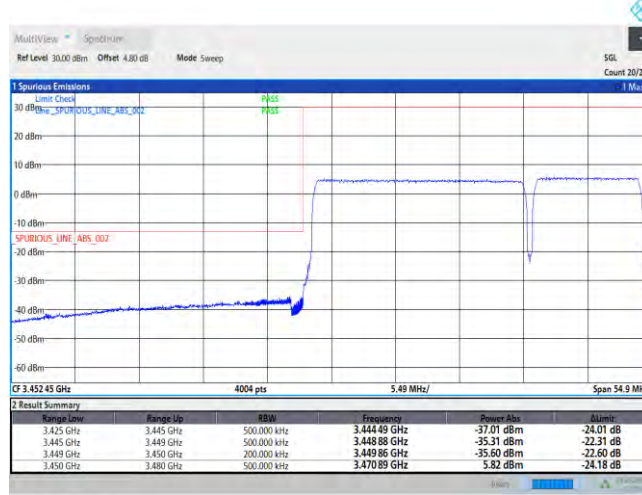
17:11:27 28.05.2023



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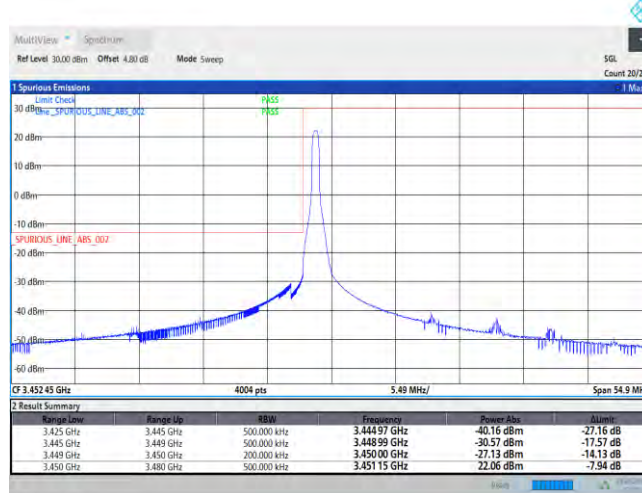
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



17:02:48 28.05.2023

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



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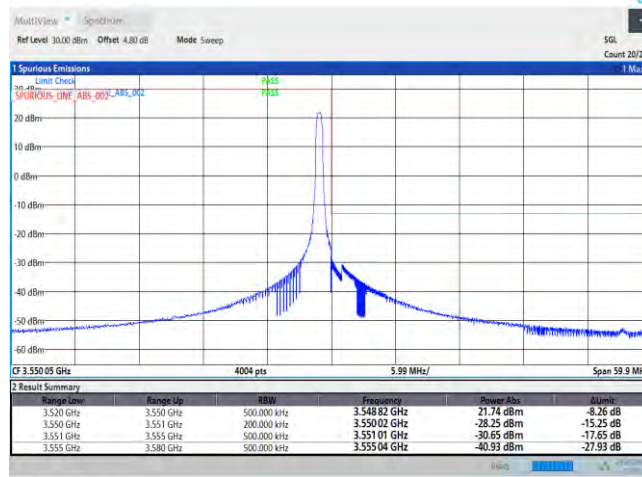


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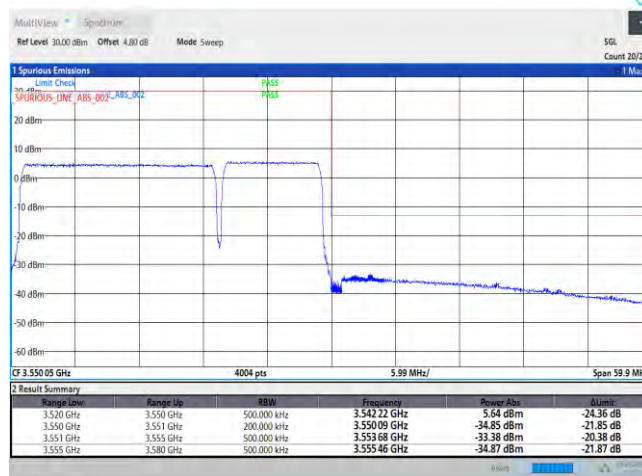
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



17:04:14 28.05.2023

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



17:05:28 28.05.2023



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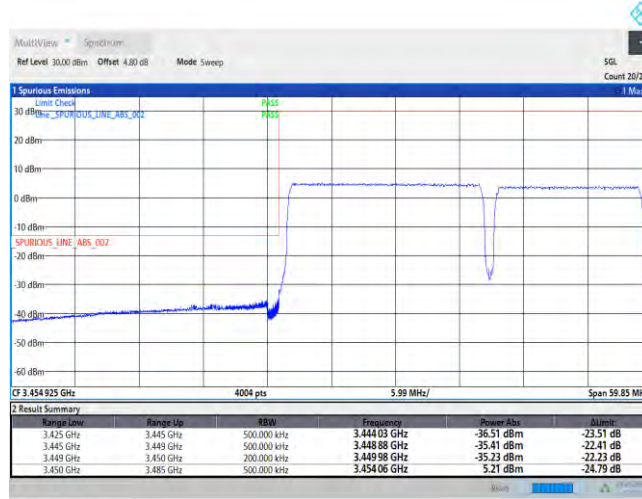
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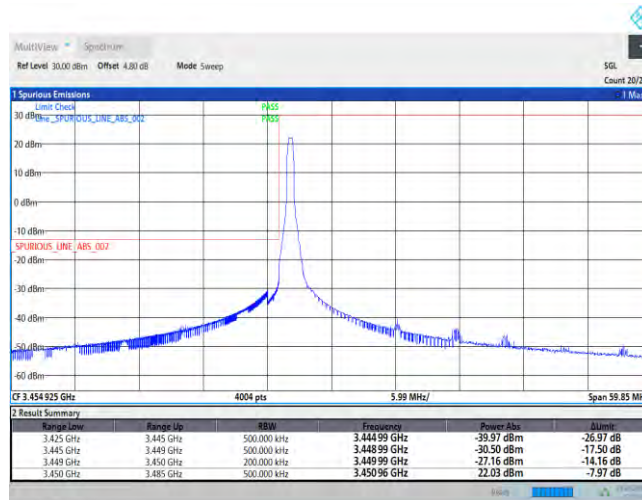


42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



17:14:13 28.05.2023

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17:13:00 28.05.2023

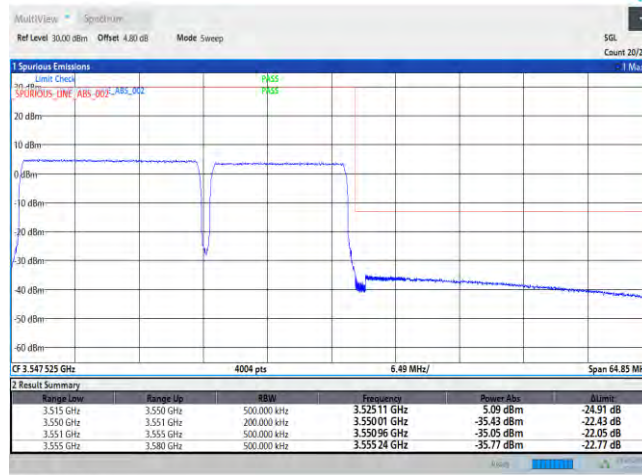


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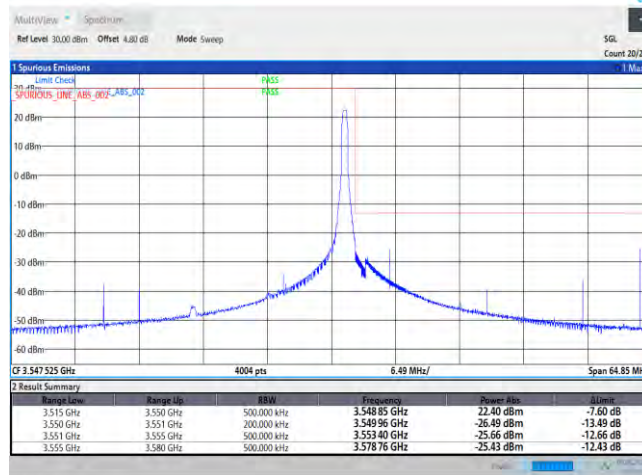
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



17:16:52 28.05.2023

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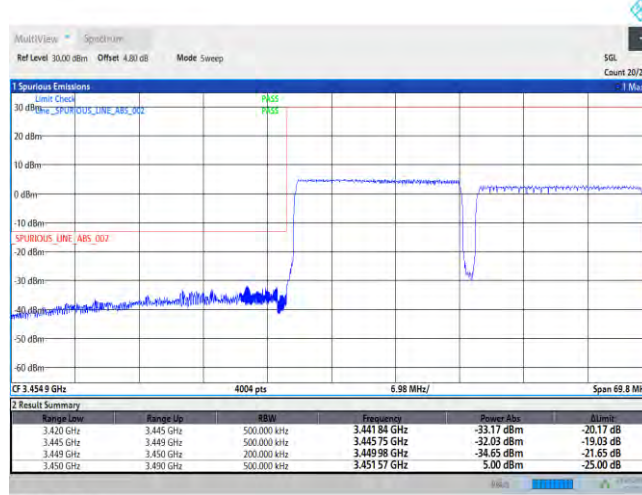
18:36:53 09.06.2023



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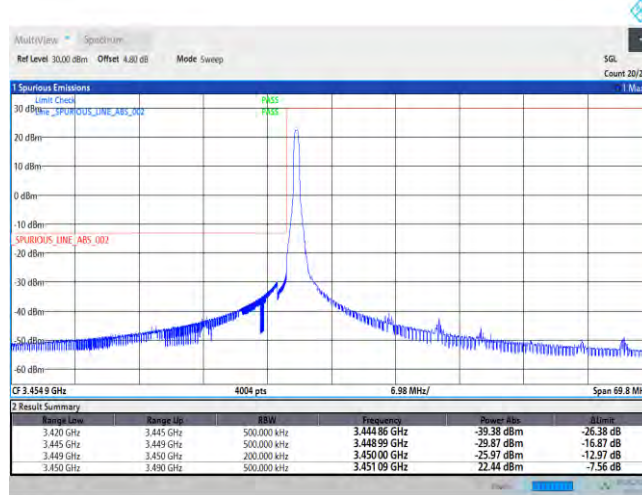
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



17:19:32 28.05.2023

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



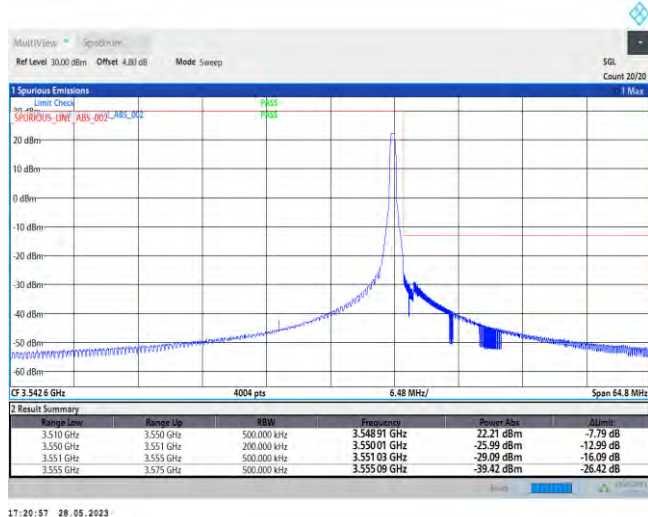
18:16:09 09.06.2023



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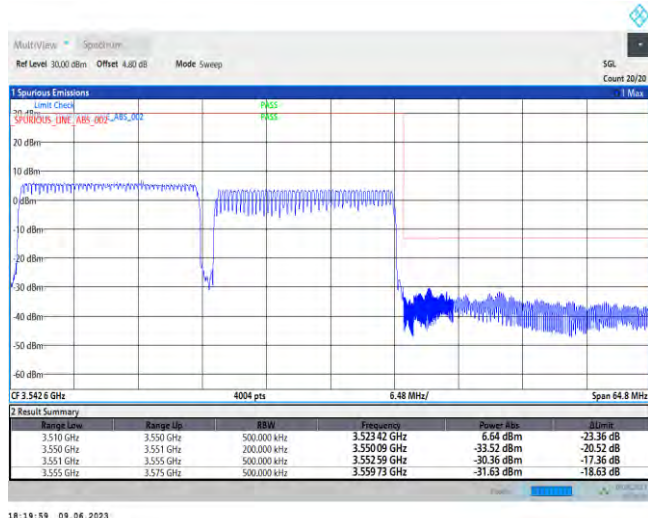
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-0RB#0-1RB#99



17:20:57 28.05.2023

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



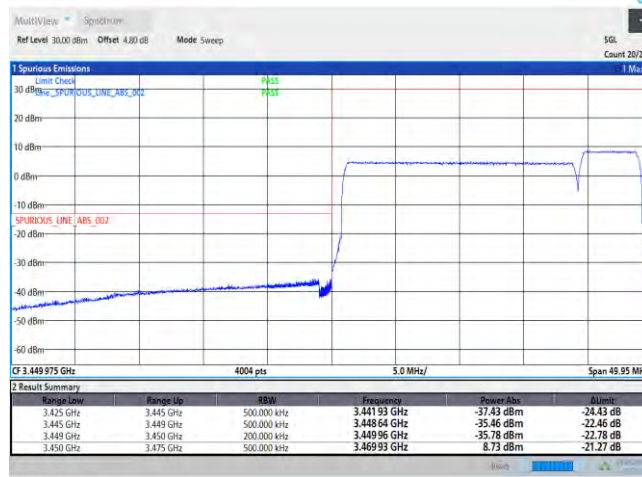
18:19:59 09.06.2023



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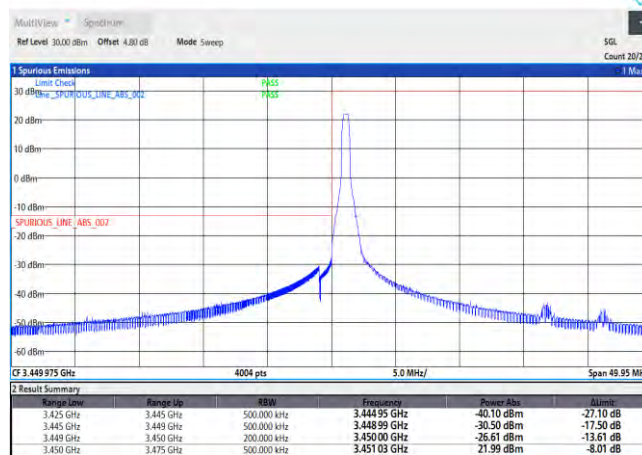
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42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0



16:52:01 28.05.2023

42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-1RB#0-0RB#0



16:50:48 28.05.2023

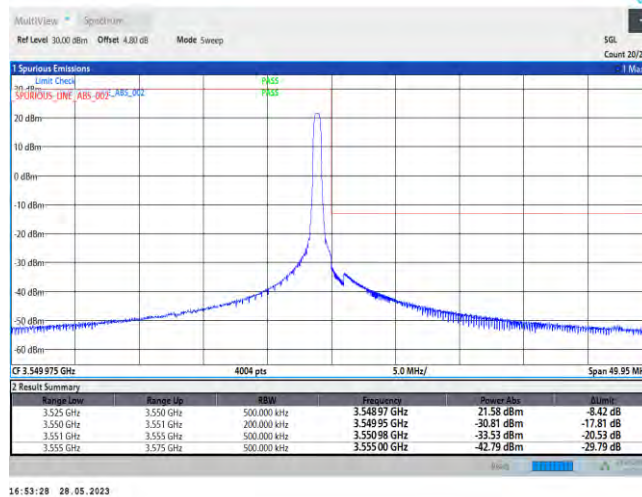


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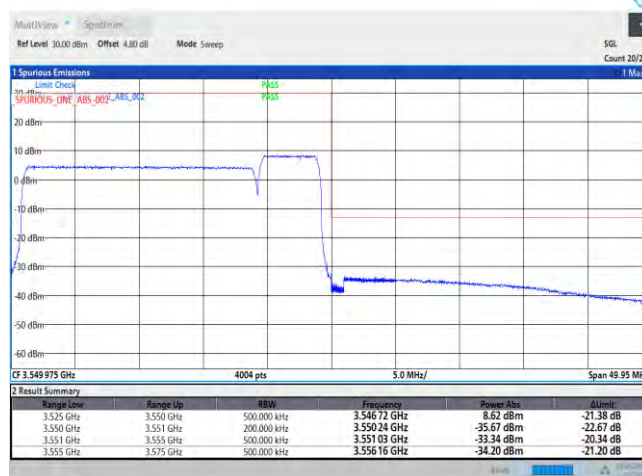
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42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-0RB#0-1RB#24



16:53:28 28.05.2023

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



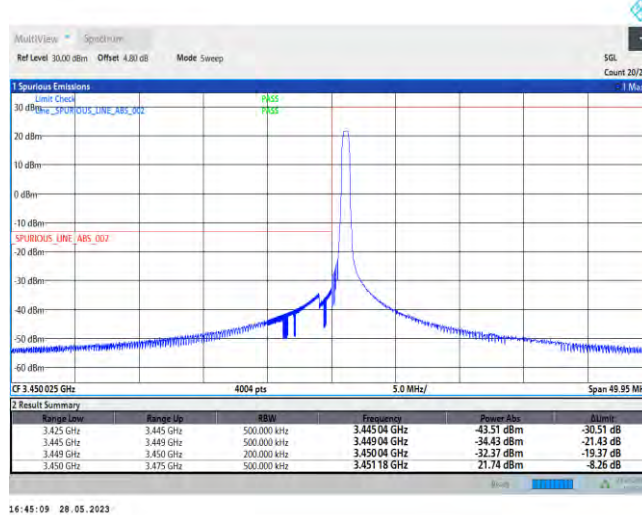
16:54:41 28.05.2023



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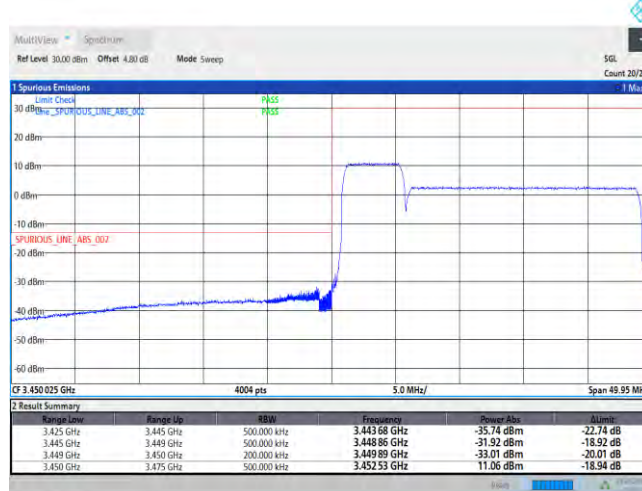
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-1RB#0-0RB#0



16:45:09 28.05.2023

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



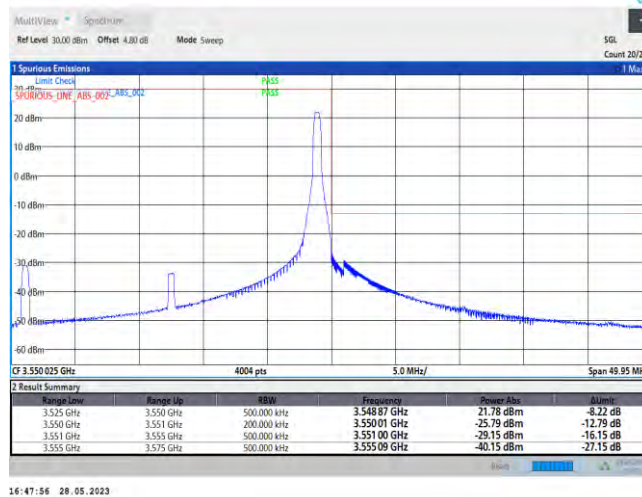
16:46:22 28.05.2023



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42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-0RB#0-1RB#99



16:47:56 28.05.2023

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



16:49:10 28.05.2023



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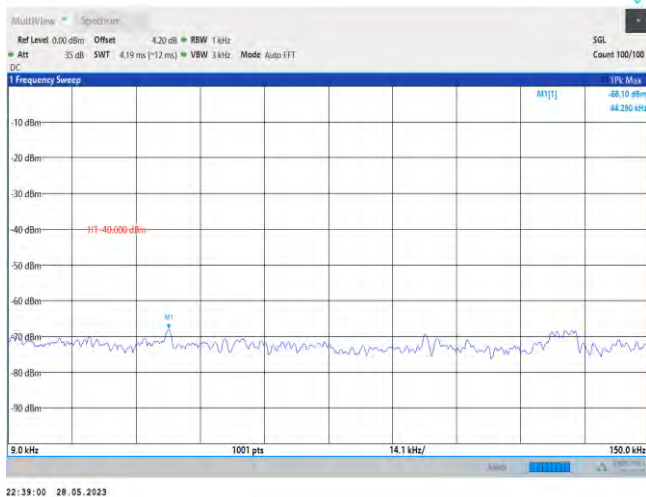
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## Conducted Spurious Emission

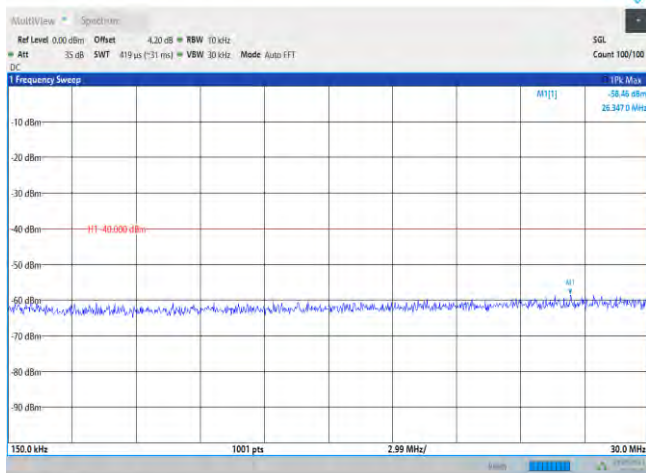
### Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.009~0.15MHz



22:39:00 28.05.2023

42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.15~30MHz



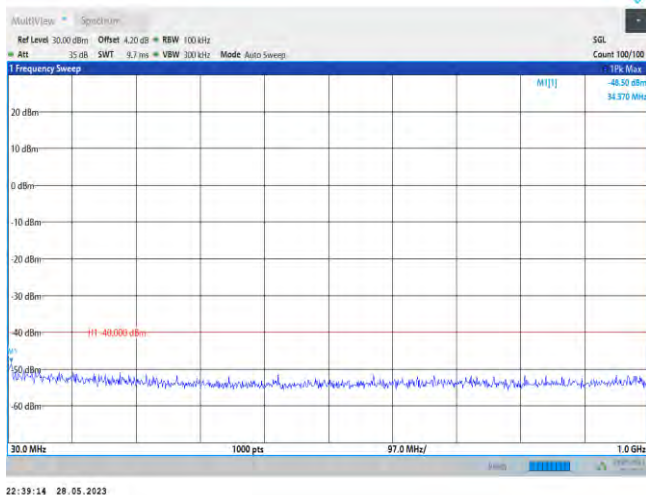
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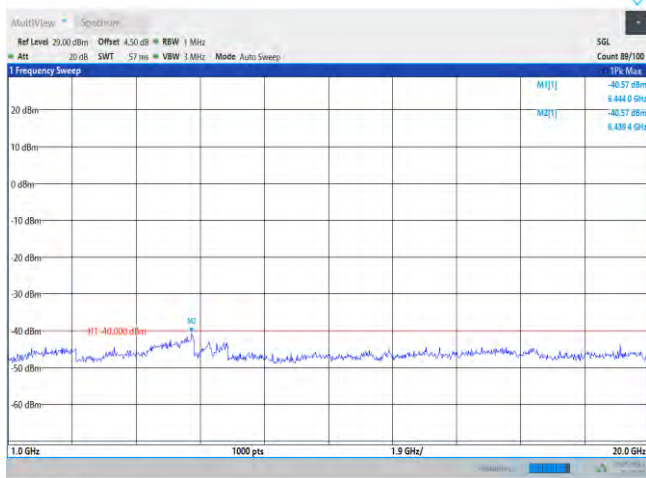
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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-30~1000MHz



22:39:14 20.05.2023

42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-1000~20000MHz



22:39:24 20.05.2023

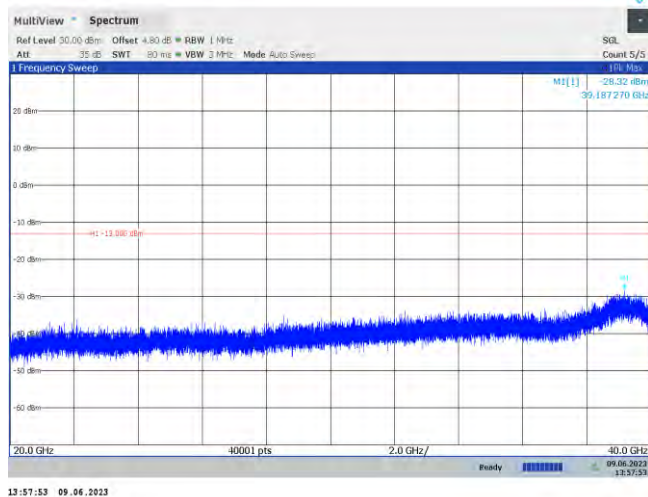


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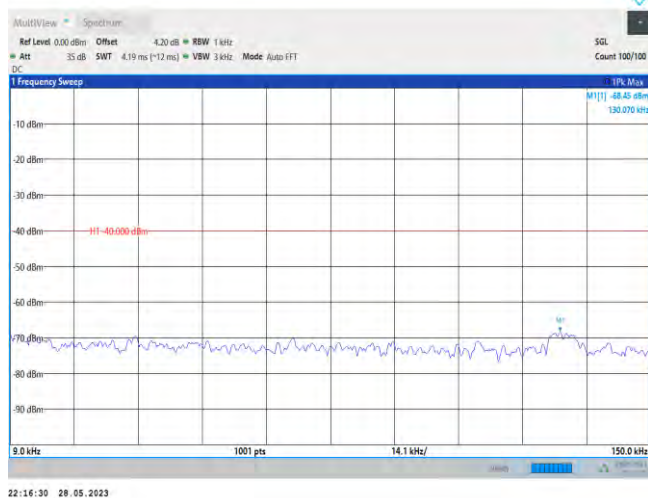
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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-20000~38000MHz



42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.009~0.15MHz

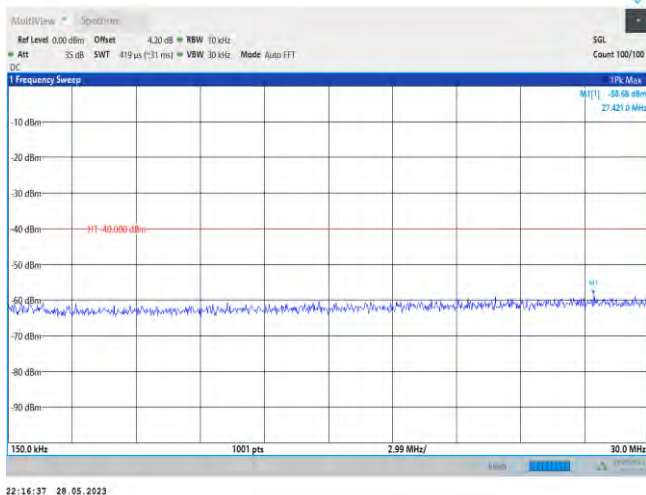


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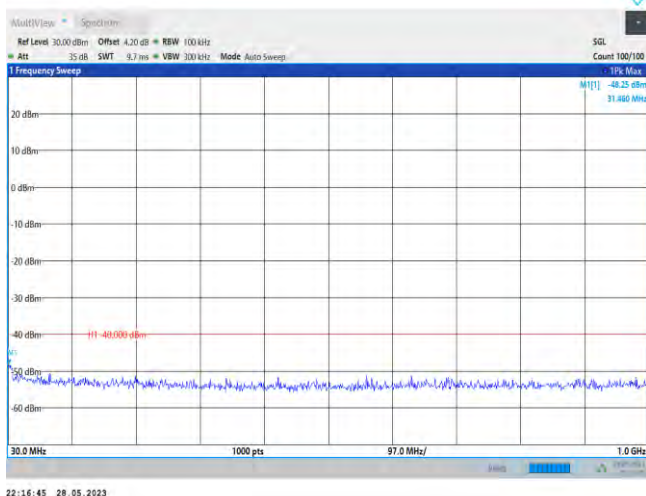
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.15~30MHz



22:16:37 28.05.2023

42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-30~1000MHz



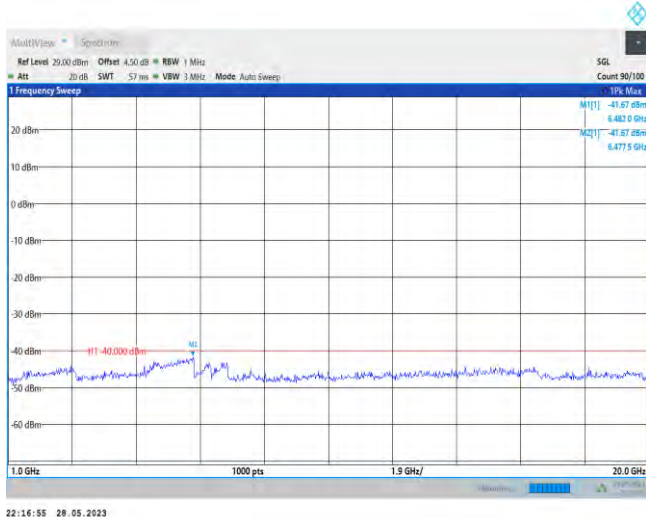
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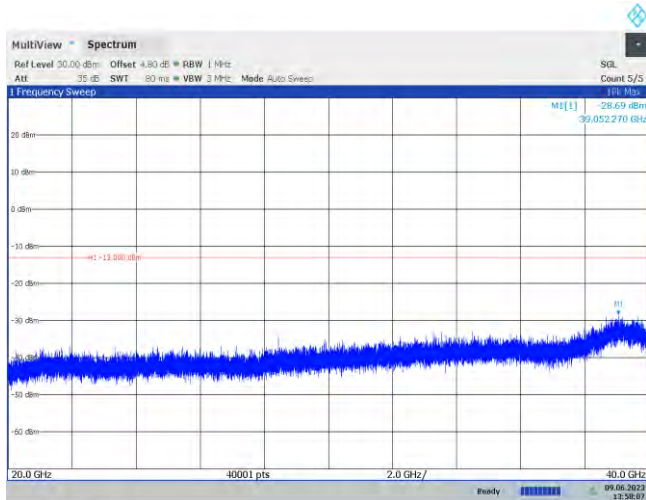
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-1000~20000MHz



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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-20000~38000MHz



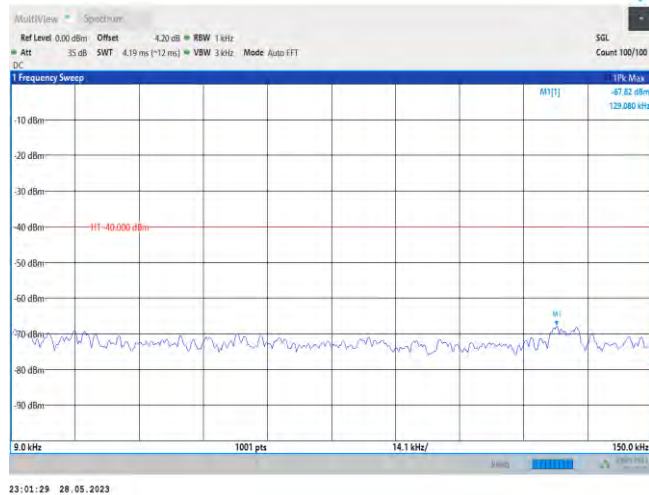
13:58:07 09.06.2023



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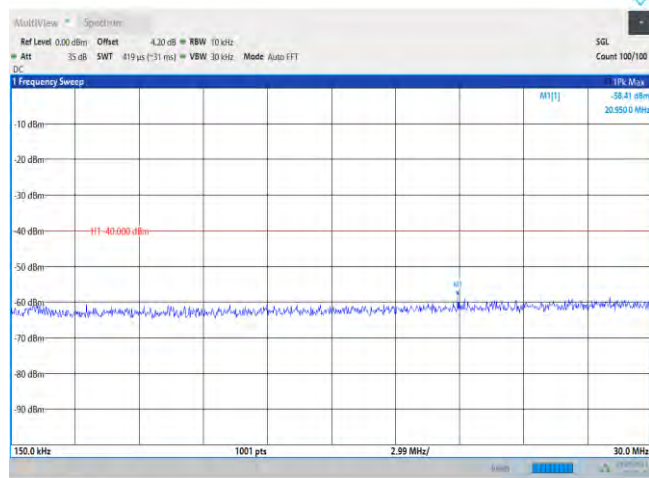
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.009~0.15MHz



23:01:29 28.05.2023

42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.15~30MHz



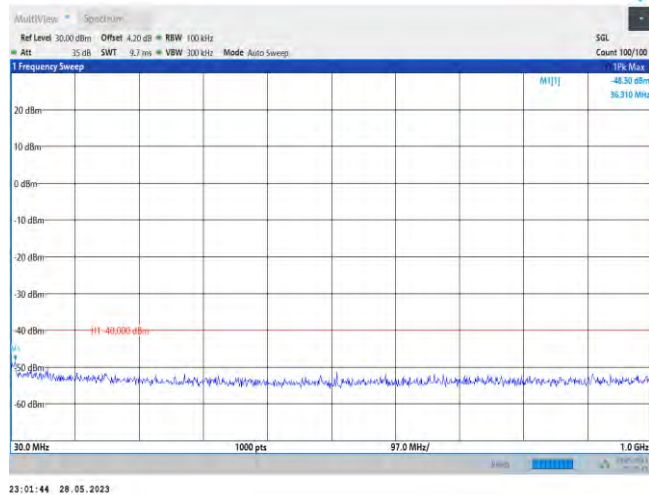
23:01:37 28.05.2023



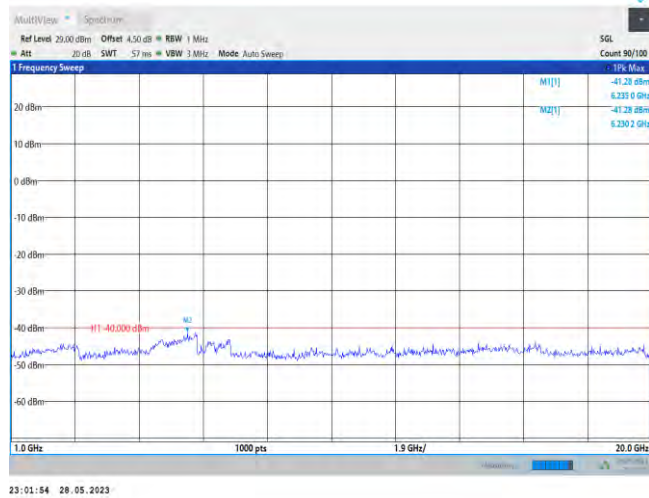
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-30~1000MHz



42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-1000~20000MHz

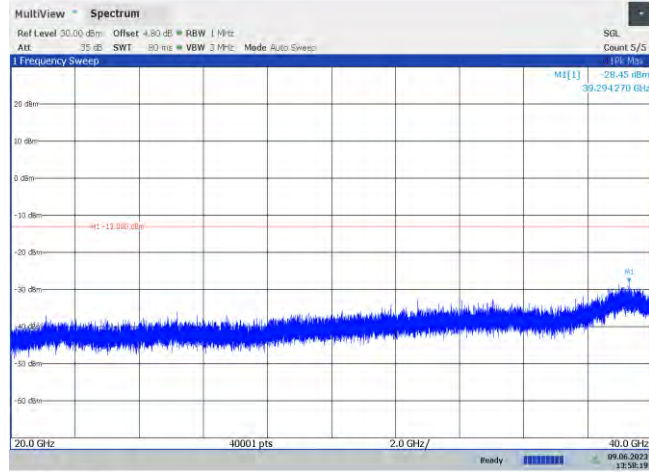


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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-20000~38000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE Band42CA\_TM1

Test Channel = Low3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8364.4375	39.21	-41.70	36.62	-61.13	-13.00	48.13	102	130	Horizontal
2	9342.4167	36.73	-39.86	36.95	-61.43	-13.00	48.43	145	146	Horizontal
3	10097.1042	35.17	-39.07	38.25	-60.91	-13.00	47.91	163	48	Horizontal
4	11028.125	34.16	-37.75	38.70	-60.14	-13.00	47.14	116	114	Horizontal
5	12792.8958	31.23	-36.74	39.04	-61.73	-13.00	48.73	169	32	Horizontal
6	15154.7083	30.01	-34.60	40.98	-58.88	-13.00	45.88	236	310	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7447.7917	40.71	-43.13	36.45	-61.23	-13.00	48.23	102	344	Vertical
2	8350.5417	40.20	-41.75	36.62	-60.19	-13.00	47.19	145	99	Vertical
3	9658.1875	35.95	-39.21	37.55	-60.97	-13.00	47.97	163	263	Vertical
4	11429.6667	32.49	-36.99	38.74	-61.02	-13.00	48.02	199	248	Vertical
5	13831.25	31.32	-35.89	40.60	-59.23	-13.00	46.23	258	280	Vertical
6	16467.1458	32.24	-33.57	40.65	-55.95	-13.00	42.95	136	83	Vertical



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**Test Band = LTE Band42CA\_TM1**  
**Test Channel = Mid3450-3550 ANT3**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7452.5833	40.53	-43.12	36.47	-61.38	-13.00	48.38	121	244	Horizontal
2	8426.7292	39.78	-41.55	36.59	-60.44	-13.00	47.44	169	161	Horizontal
3	9640.9375	35.93	-39.16	37.52	-60.97	-13.00	47.97	132	293	Horizontal
4	10744.9375	33.48	-38.30	38.57	-61.50	-13.00	48.50	258	276	Horizontal
5	11449.7917	32.42	-37.02	38.74	-61.12	-13.00	48.12	164	276	Horizontal
6	14349.7083	30.26	-35.11	41.04	-59.07	-13.00	46.07	147	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7435.8125	41.04	-43.17	36.42	-60.97	-13.00	47.97	112	83	Vertical
2	8378.8125	39.78	-41.64	36.61	-60.51	-13.00	47.51	132	165	Vertical
3	9651.4792	36.01	-39.19	37.54	-60.90	-13.00	47.90	145	99	Vertical
4	11445.4792	32.57	-37.02	38.74	-60.96	-13.00	47.96	158	263	Vertical
5	13845.1458	30.59	-35.76	40.62	-59.80	-13.00	46.80	254	0	Vertical
6	16999.9792	30.60	-33.52	42.30	-55.88	-13.00	42.88	169	99	Vertical



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**Test Band = LTE Band42CA\_TM1**  
**Test Channel = High3450-3550 ANT3**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7437.7292	40.92	-43.16	36.43	-61.07	-13.00	48.07	112	161	Horizontal
2	8400.375	39.20	-41.55	36.60	-61.01	-13.00	48.01	145	212	Horizontal
3	9644.7708	36.25	-39.17	37.53	-60.65	-13.00	47.65	169	4	Horizontal
4	11206.375	33.38	-37.57	38.72	-60.73	-13.00	47.73	258	48	Horizontal
5	13891.625	29.93	-35.32	40.70	-59.94	-13.00	46.94	247	245	Horizontal
6	17002.8542	30.60	-33.54	42.31	-55.89	-13.00	42.89	163	161	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7408.9792	41.26	-43.24	36.35	-60.90	-13.00	47.90	115	3	Vertical
2	8410.9167	39.51	-41.55	36.59	-60.71	-13.00	47.71	145	3	Vertical
3	9607.875	35.73	-39.05	37.45	-61.13	-13.00	48.13	178	279	Vertical
4	11143.125	33.10	-37.62	38.71	-61.07	-13.00	48.07	236	165	Vertical
5	13612.75	30.95	-35.71	40.20	-59.82	-13.00	46.82	154	246	Vertical
6	16481.5208	31.44	-33.48	40.69	-56.61	-13.00	43.61	169	35	Vertical



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**Test Band = LTE Band42CA\_TM1**  
**Test Channel = Low3450-3550 ANT5**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7374.4792	41.73	-43.34	36.25	-60.62	-13.00	47.62	114	293	Horizontal
2	8403.7292	39.14	-41.55	36.60	-61.07	-13.00	48.07	169	360	Horizontal
3	9617.4583	35.48	-39.08	37.47	-61.39	-13.00	48.39	152	293	Horizontal
4	10702.2917	33.63	-38.18	38.55	-61.26	-13.00	48.26	163	310	Horizontal
5	12628.5417	31.57	-37.38	38.99	-62.08	-13.00	49.08	235	129	Horizontal
6	15154.7083	30.43	-34.60	40.98	-58.46	-13.00	45.46	245	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7431.5	40.41	-43.18	36.41	-61.62	-13.00	48.62	132	295	Vertical
2	8417.1458	39.33	-41.55	36.59	-60.89	-13.00	47.89	158	295	Vertical
3	9606.4375	35.95	-39.05	37.45	-60.91	-13.00	47.91	147	328	Vertical
4	11161.3333	33.41	-37.60	38.72	-60.74	-13.00	47.74	269	0	Vertical
5	13727.2708	31.27	-36.15	40.41	-59.73	-13.00	46.73	155	295	Vertical
6	17162.4167	31.75	-34.91	43.03	-55.39	-13.00	42.39	214	281	Vertical



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**Test Band = LTE Band42CA\_TM1**  
**Test Channel = Mid3450-3550 ANT5**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	40.75	-43.26	36.33	-61.45	-13.00	48.45	115	195	Horizontal
2	8406.125	39.06	-41.55	36.60	-61.15	-13.00	48.15	147	146	Horizontal
3	9645.7292	35.86	-39.17	37.53	-61.04	-13.00	48.04	169	259	Horizontal
4	11161.3333	32.88	-37.60	38.72	-61.27	-13.00	48.27	231	16	Horizontal
5	14351.1458	30.36	-35.09	41.04	-58.95	-13.00	45.95	145	63	Horizontal
6	17388.1042	31.56	-35.01	44.05	-54.66	-13.00	41.66	245	212	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7403.7083	40.84	-43.26	36.33	-61.35	-13.00	48.35	136	36	Vertical
2	8422.4167	40.06	-41.55	36.59	-60.16	-13.00	47.16	159	344	Vertical
3	9414.2917	36.79	-39.64	37.09	-61.02	-13.00	48.02	152	53	Vertical
4	11181.4583	32.91	-37.59	38.72	-61.22	-13.00	48.22	236	133	Vertical
5	13845.625	31.00	-35.75	40.62	-59.39	-13.00	46.39	269	3	Vertical
6	17575.4583	30.59	-33.55	44.89	-53.33	-13.00	40.33	214	0	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

**Test Band = LTE Band42CA\_ TM1**  
**Test Channel = High3450-3550 ANT5**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6970.5417	40.87	-43.40	35.15	-62.65	-13.00	49.65	112	360	Horizontal
2	8411.3958	39.26	-41.55	36.59	-60.96	-13.00	47.96	145	114	Horizontal
3	9807.6875	36.43	-39.33	37.83	-60.33	-13.00	47.33	113	3	Horizontal
4	11455.0625	32.31	-37.03	38.75	-61.24	-13.00	48.24	158	65	Horizontal
5	14354.9792	30.59	-35.03	41.04	-58.66	-13.00	45.66	169	341	Horizontal
6	16959.25	30.79	-33.89	42.17	-56.19	-13.00	43.19	147	243	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7395.0833	40.87	-43.28	36.31	-61.37	-13.00	48.37	203	296	Vertical
2	8369.2292	39.09	-41.68	36.62	-61.23	-13.00	48.23	258	199	Vertical
3	9463.6458	36.36	-39.94	37.18	-61.66	-13.00	48.66	147	0	Vertical
4	11144.0833	32.99	-37.62	38.71	-61.18	-13.00	48.18	163	232	Vertical
5	13377	30.38	-36.69	39.78	-61.79	-13.00	48.79	158	215	Vertical
6	16417.7917	31.33	-33.89	40.50	-57.33	-13.00	44.33	269	182	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	-5.70	-0.001633	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	VL	NT	-8.60	-0.002464	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	VN	NT	-13.20	-0.003782	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	3.40	0.000974	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	40	5.90	0.001690	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	30	3.80	0.001089	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	20	2.60	0.000745	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	10	0.90	0.000258	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	0	0.20	0.000057	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	-10	2.20	0.000630	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	-20	-0.50	-0.000143	PASS
42-42	20MHz -20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	NV	-30	-2.00	-0.000573	PASS

---End of Attachment---



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