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Appendix B.47

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(d Bm)	Limit (dBm)	Verdict
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	1RB#0-0RB#0	25.63	19.53	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	50RB#0-100RB#0	24.78	18.68	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	1RB#0-0RB#0	25.45	19.35	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	24.32	18.22	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	1RB#0-0RB#0	25.69	19.59	30	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	24.47	18.37	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	1RB#0-0RB#0	24.71	18.61	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	23.62	17.52	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	1RB#0-0RB#0	24.36	18.26	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	23.40	17.30	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	1RB#0-0RB#0	24.53	18.43	30	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	23.46	17.36	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	1RB#0-0RB#0	23.71	17.61	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	23.43	17.33	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	1RB#0-0RB#0	23.56	17.46	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	23.40	17.30	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	1RB#0-0RB#0	23.65	17.55	30	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	23.61	17.51	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	1RB#0-0RB#0	20.79	14.69	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	50RB#0-100RB#0	21.65	15.55	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	1RB#0-0RB#0	20.61	14.51	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	50RB#0-100RB#0	21.38	15.28	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	1RB#0-0RB#0	20.56	14.46	30	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	50RB#0-100RB#0	21.56	15.46	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	1RB#0-0RB#0	25.72	19.62	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	24.54	18.44	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	1RB#0-0RB#0	25.40	19.30	30	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	24.46	18.36	30	PASS



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, RB#0, RB#1, RB#2, RB#3, Result. Contains 50 rows of test data.



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42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	1RB#0-0RB#0	23.58	17.48	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	50RB#0-100RB#0	22.98	16.88	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	1RB#0-0RB#0	20.54	14.44	30	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	50RB#0-100RB#0	21.00	14.90	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	1RB#0-0RB#0	20.42	14.32	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	50RB#0-100RB#0	20.94	14.84	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	1RB#0-0RB#0	20.54	14.44	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	50RB#0-100RB#0	21.06	14.96	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	1RB#0-0RB#0	25.74	19.64	30	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	50RB#0-100RB#0	24.66	18.56	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	11.62	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	11.64	13	PASS
42-42	20MHz-20MHz	QPSK-QPSK	42792-42990	100RB#0-100RB#0	11.64	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42190-42388	100RB#0-100RB#0	11.66	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	11.62	13	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42792-42990	100RB#0-100RB#0	11.66	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42190-42388	100RB#0-100RB#0	11.76	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	11.86	13	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42792-42990	100RB#0-100RB#0	11.66	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42190-42388	100RB#0-100RB#0	11.62	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	11.66	13	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42792-42990	100RB#0-100RB#0	11.70	13	PASS



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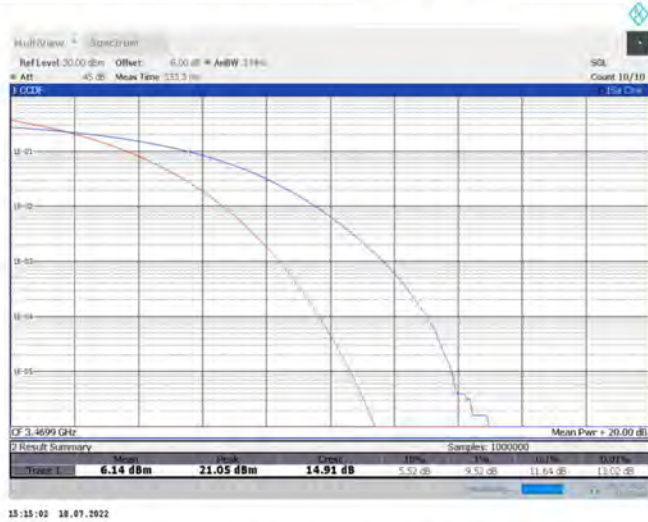
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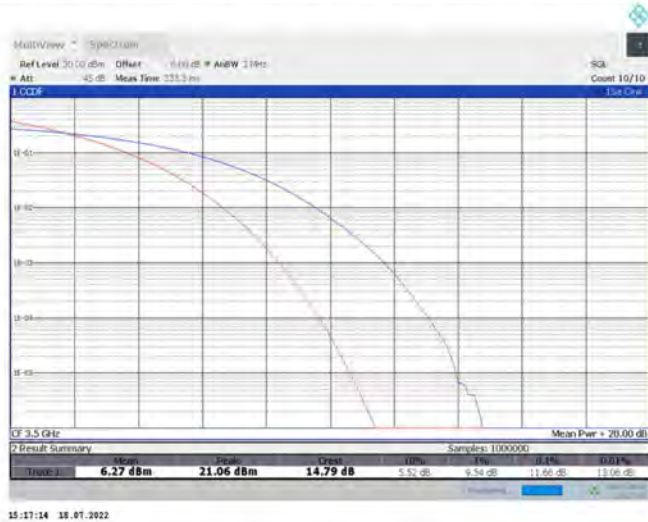
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Test Graphs

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



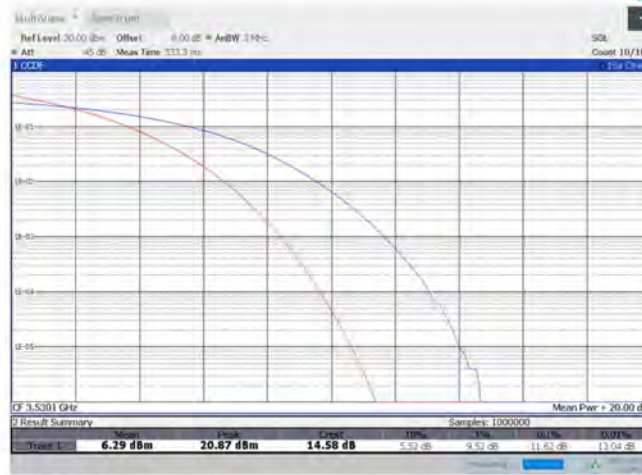
42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



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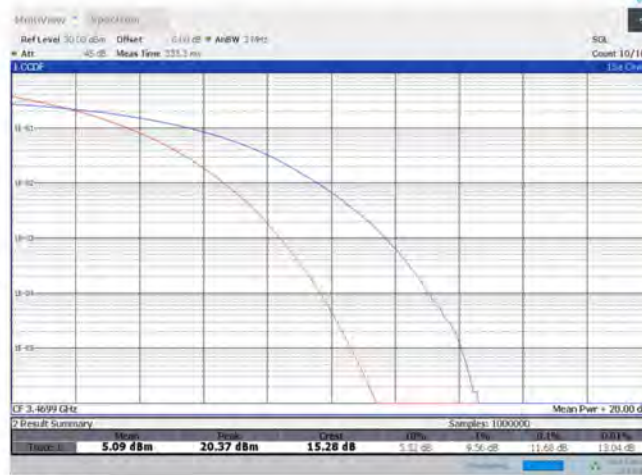
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



15:19:28 18.01.2022

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



15:15:33 18.01.2022

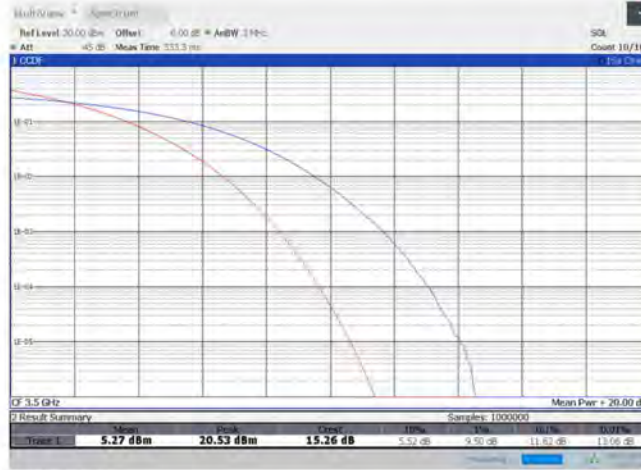


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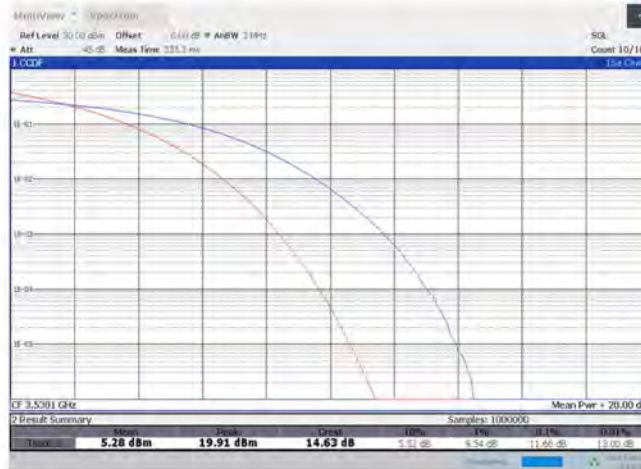
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



15:17:44 18.01.2022

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



15:19:58 18.01.2022

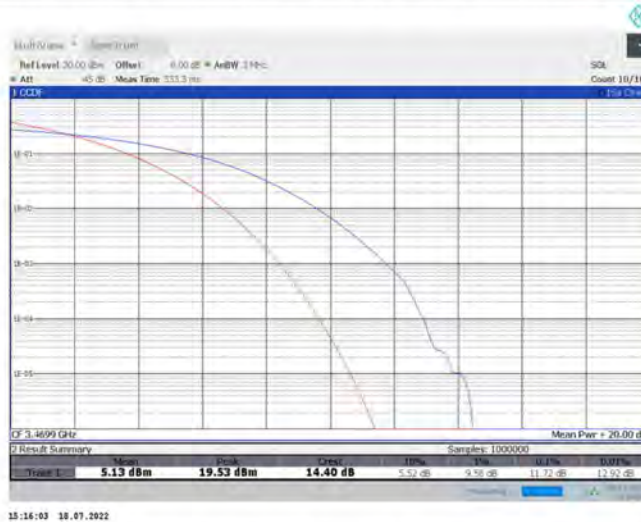


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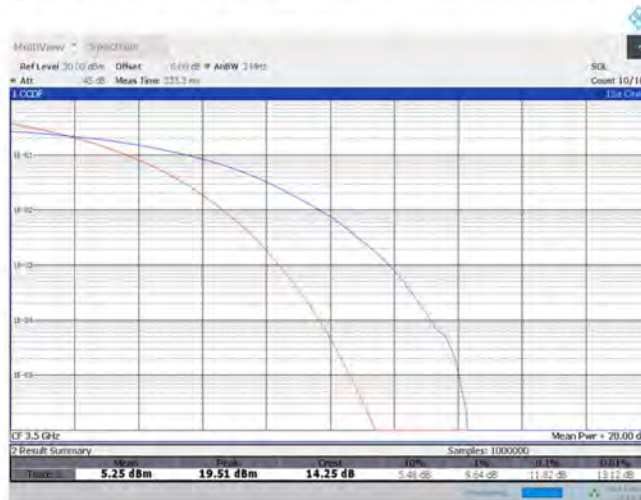
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



15:16:03 18.01.2022

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



15:18:15 18.01.2022

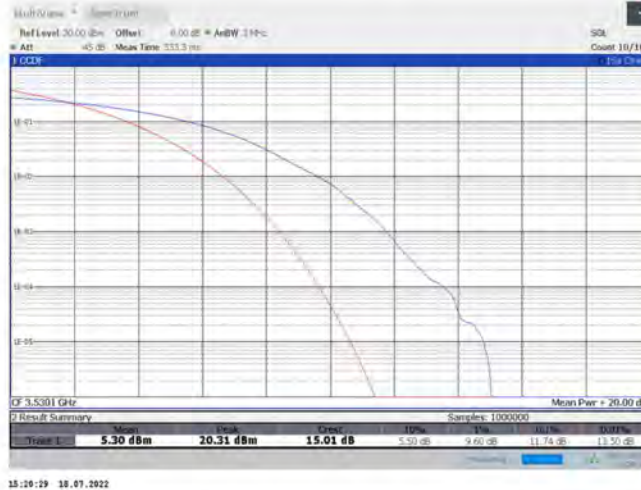


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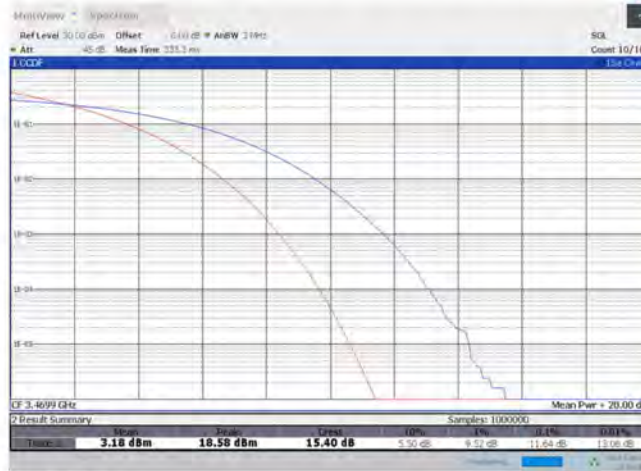
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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



15:20:29 18.01.2022

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



15:16:34 18.01.2022

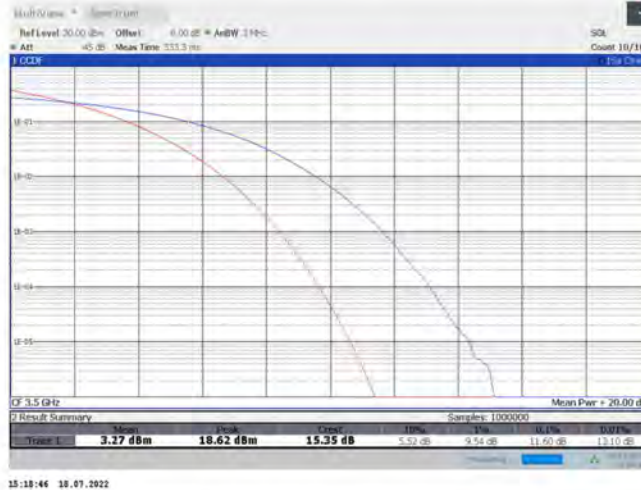


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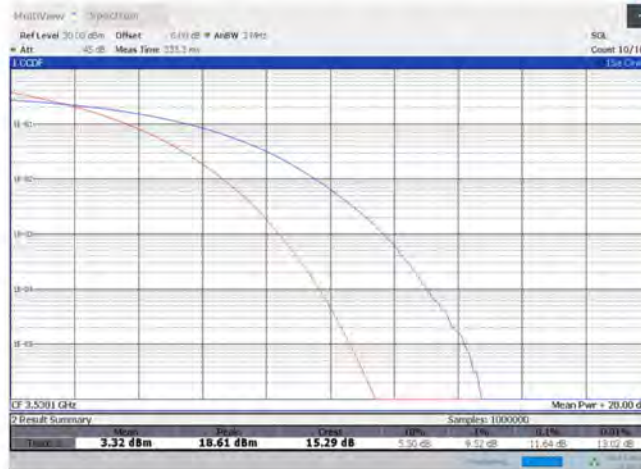
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



15:18:46 18.01.2022

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



15:20:59 18.01.2022



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	42491-42689	100RB#0-100RB#0	11.64	PASS
42-42	20MHz-20MHz	16QAM-16QAM	42491-42689	100RB#0-100RB#0	11.62	PASS
42-42	20MHz-20MHz	64QAM-64QAM	42491-42689	100RB#0-100RB#0	11.86	PASS
42-42	20MHz-20MHz	256QAM-256QAM	42491-42689	100RB#0-100RB#0	11.66	PASS



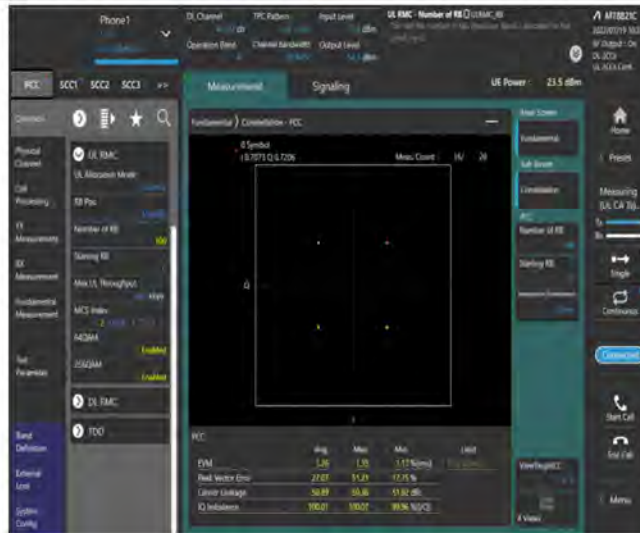
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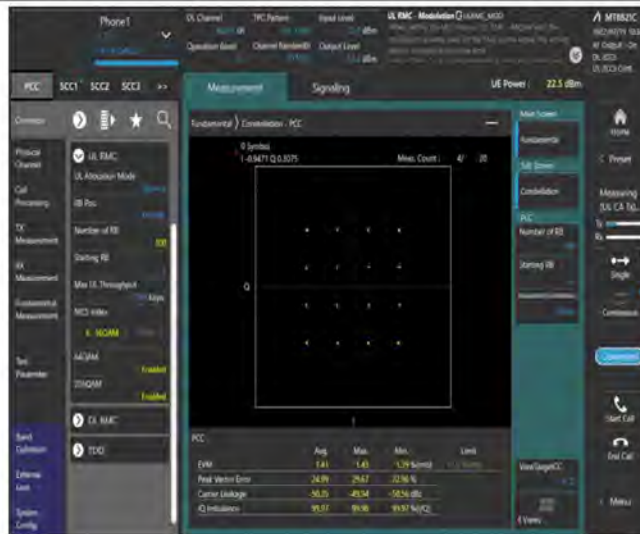
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Test Graphs

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



42-42-20MHz-20MHz-16QAM-6QAM-42491-42689-100RB#0-100RB#0

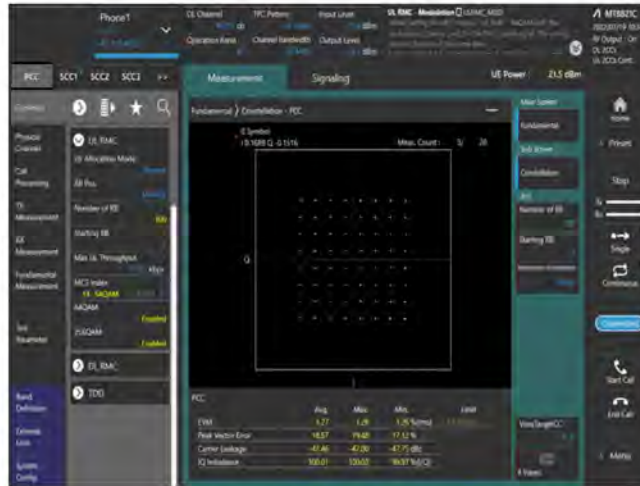


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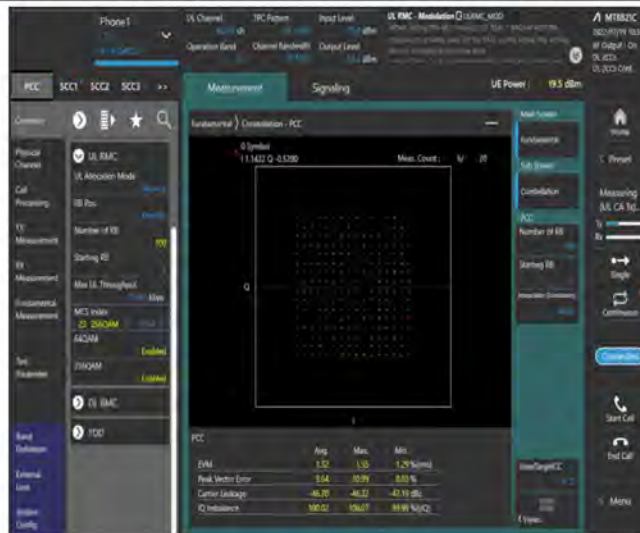
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42-42-20MHz-20MHz-64QAM-64QAM-42491-42689-100RB#0-100RB#0



42-42-20MHz-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	27.759	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	27.679	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	27.654	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	27.907	33.47	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	27.912	34.53	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	27.86	32.53	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	27.906	31.87	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	27.88	32.93	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	27.921	32.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	50RB#0-100RB#0	27.879	32.53	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	50RB#0-100RB#0	27.857	32.53	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	50RB#0-100RB#0	27.841	32.80	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	32.437	35.07	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	32.54	34.80	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42819-42990	75RB#0-100RB#0	32.625	34.93	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42168-42339	75RB#0-100RB#0	32.631	36.67	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42493-42664	75RB#0-100RB#0	32.645	36.93	PASS
42-42	15MHz-20MHz	16QAM-16QAM	42819-42990	75RB#0-100RB#0	32.664	37.60	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42168-42339	75RB#0-100RB#0	32.654	36.93	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42493-42664	75RB#0-100RB#0	32.645	37.87	PASS
42-42	15MHz-20MHz	64QAM-64QAM	42819-42990	75RB#0-100RB#0	32.602	37.47	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42168-42339	75RB#0-100RB#0	32.737	41.33	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42493-42664	75RB#0-100RB#0	32.617	38.53	PASS
42-42	15MHz-20MHz	256QAM-256QAM	42819-42990	75RB#0-100RB#0	32.651	38.80	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42190-42334	100RB#0-50RB#0	27.825	30.27	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42541-42685	100RB#0-50RB#0	27.78	30.40	PASS
42-42	20MHz-10MHz	QPSK-QPSK	42891-43035	100RB#0-50RB#0	27.792	30.13	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42190-42334	100RB#0-50RB#0	27.953	34.13	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42541-42685	100RB#0-50RB#0	27.963	33.47	PASS
42-42	20MHz-10MHz	16QAM-16QAM	42891-43035	100RB#0-50RB#0	27.944	34.00	PASS



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Table with 8 columns: Test ID, Frequency, Modulation, Standard, Reference, Result 1, Result 2, Status. Contains 50 rows of test data.



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42-42	20MHz-5MHz	64QAM-64QAM	45065-45182	100RB#0-25RB#0	22.906	26.83	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42190-42307	100RB#0-25RB#0	22.857	27.25	PASS
42-42	20MHz-5MHz	256QAM-256QAM	42940-43057	100RB#0-25RB#0	22.889	25.33	PASS
42-42	20MHz-5MHz	256QAM-256QAM	45065-45182	100RB#0-25RB#0	22.875	25.58	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42123-42240	25RB#0-100RB#0	22.6	24.00	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42498-42615	25RB#0-100RB#0	22.469	23.92	PASS
42-42	5MHz-20MHz	QPSK-QPSK	42873-42990	25RB#0-100RB#0	22.698	24.00	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42123-42240	25RB#0-100RB#0	22.663	25.17	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42498-42615	25RB#0-100RB#0	22.699	25.67	PASS
42-42	5MHz-20MHz	16QAM-16QAM	42873-42990	25RB#0-100RB#0	22.679	25.50	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42123-42240	25RB#0-100RB#0	22.634	24.25	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42498-42615	25RB#0-100RB#0	22.631	24.83	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	25RB#0-100RB#0	22.66	25.25	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	25RB#0-100RB#0	22.647	25.17	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	25RB#0-100RB#0	22.709	25.50	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	25RB#0-100RB#0	22.671	24.42	PASS



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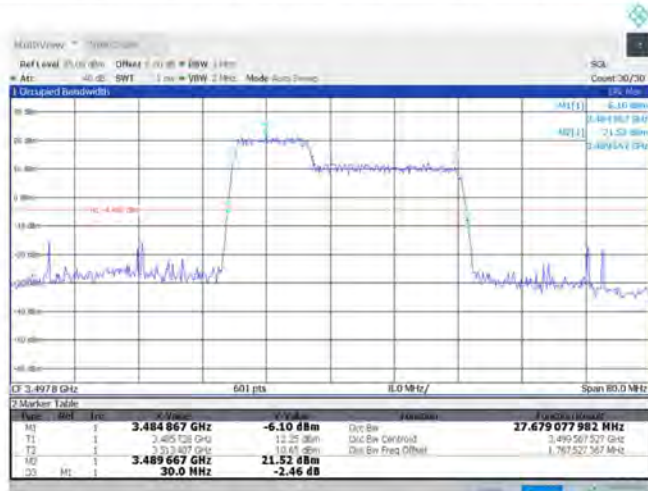
Test Graphs

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



14:31:44 18.07.2022

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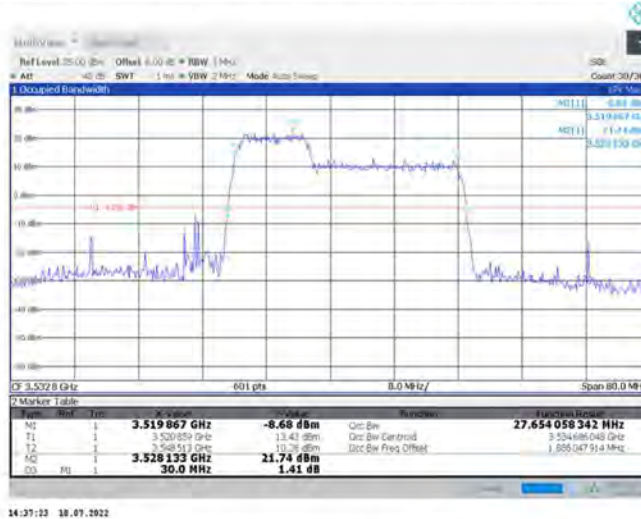


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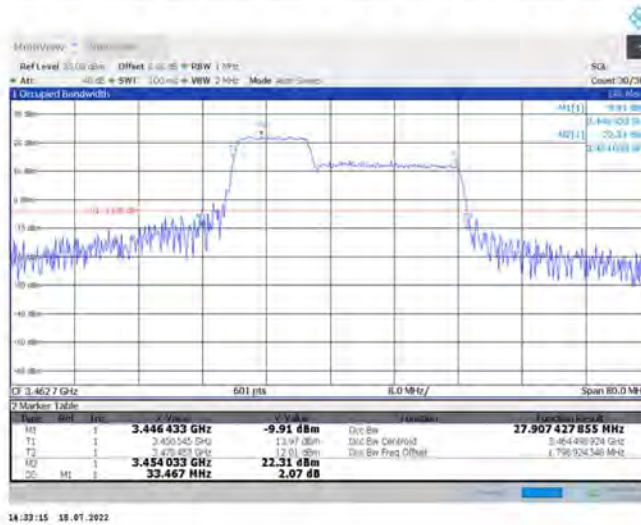
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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-50RB#0-100RB#0



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

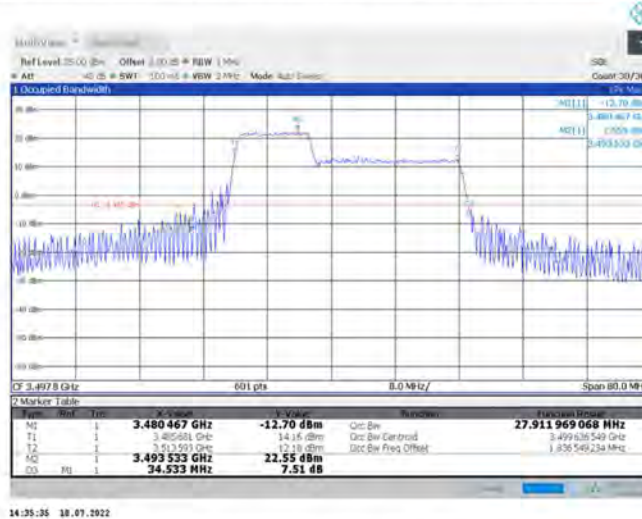


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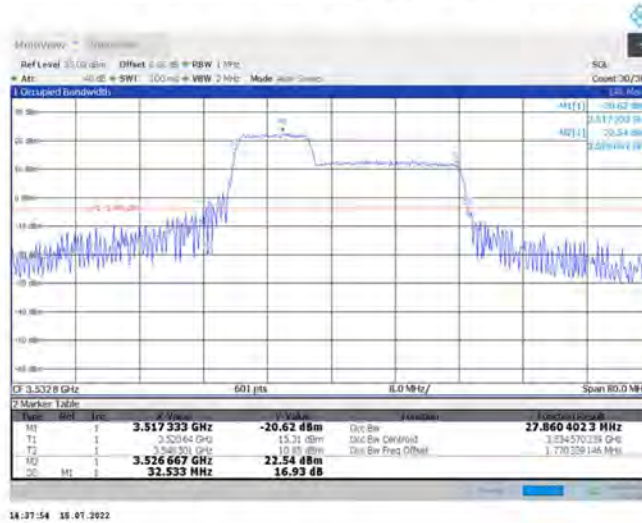
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42-42-10MHz-20MHz-16QAM-16QAM-42496-42640-50RB#0-100RB#0



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

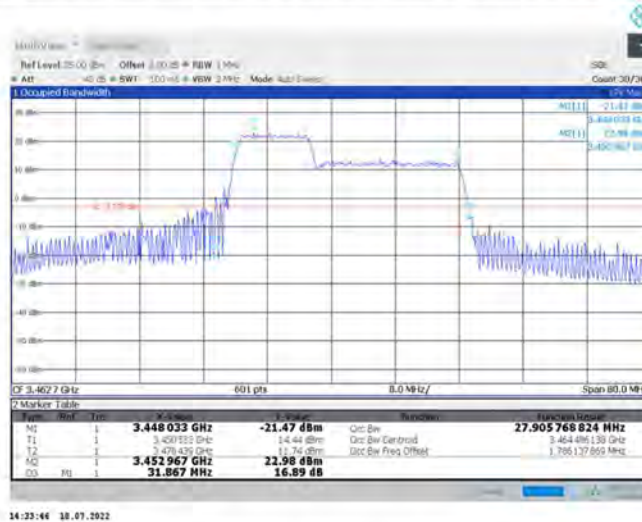


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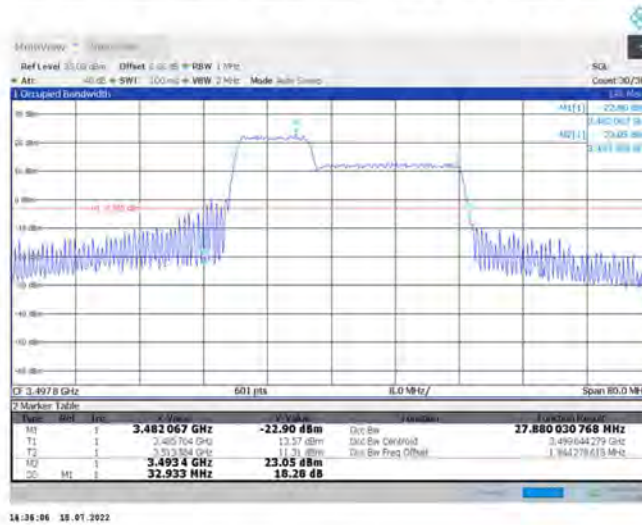
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42-42-10MHz-20MHz-64QAM-64QAM-42145-42289-50RB#0-100RB#0



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

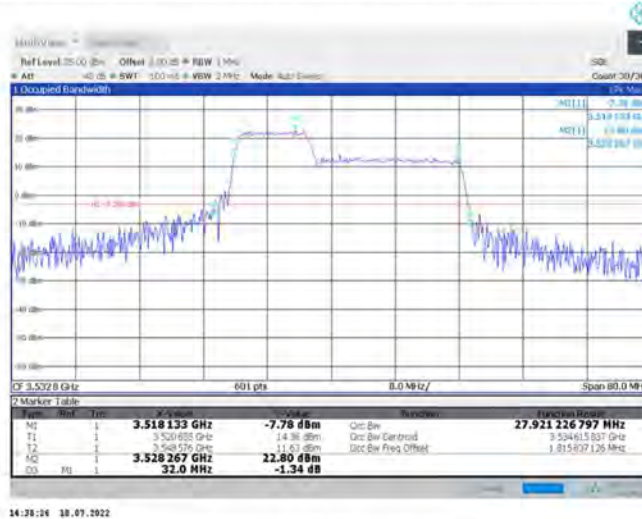


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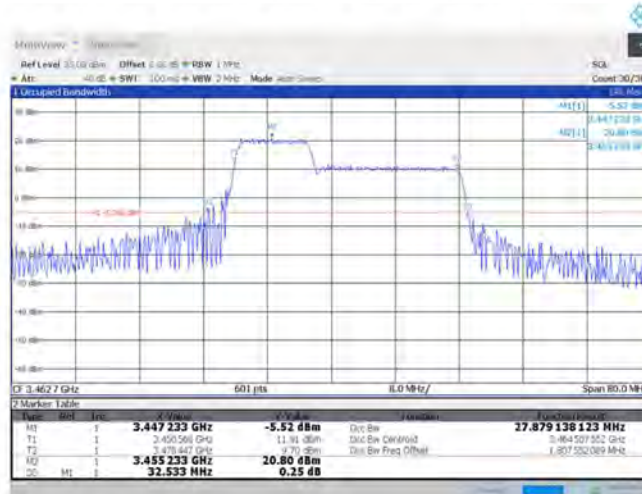
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42-42-10MHz-20MHz-64QAM-64QAM-42846-42990-50RB#0-100RB#0



14:28:24 18.01.2022

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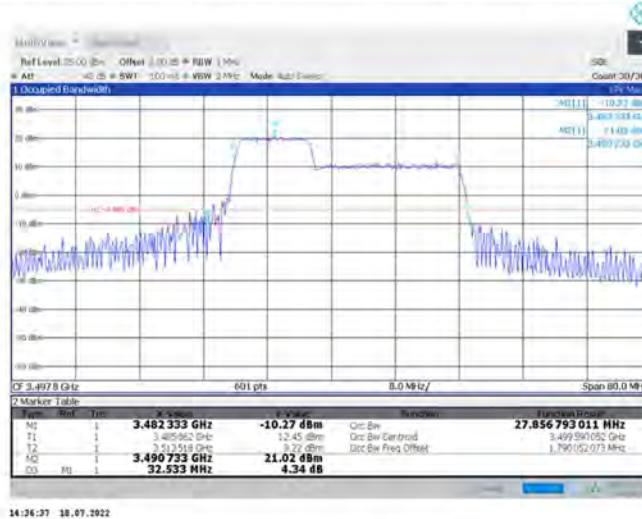


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14:24:27 18.01.2022

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14:38:57 18.01.2022



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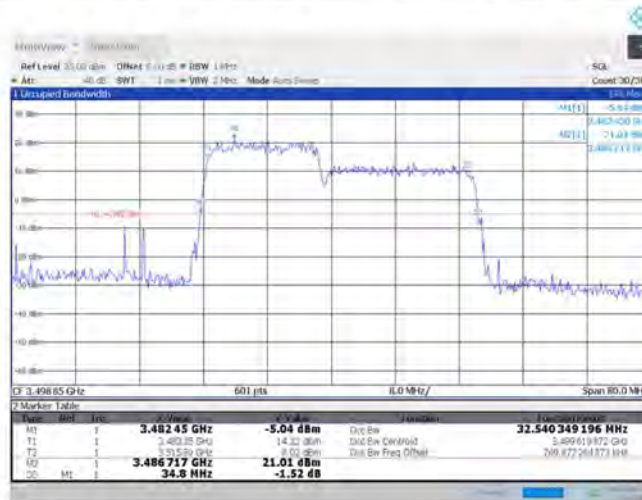
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0



14:46:50 18.07.2022

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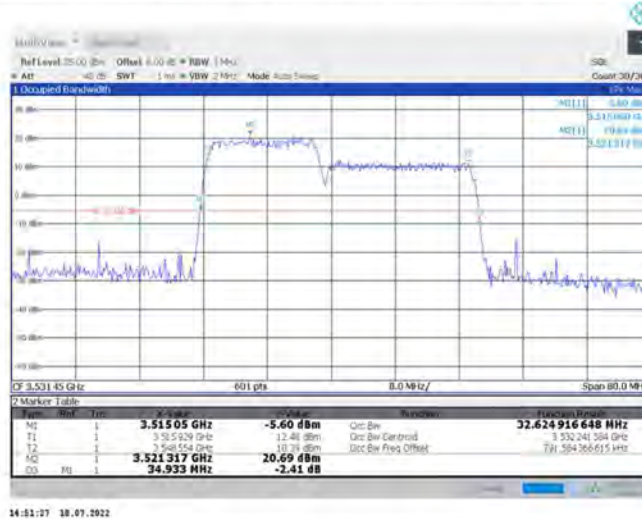


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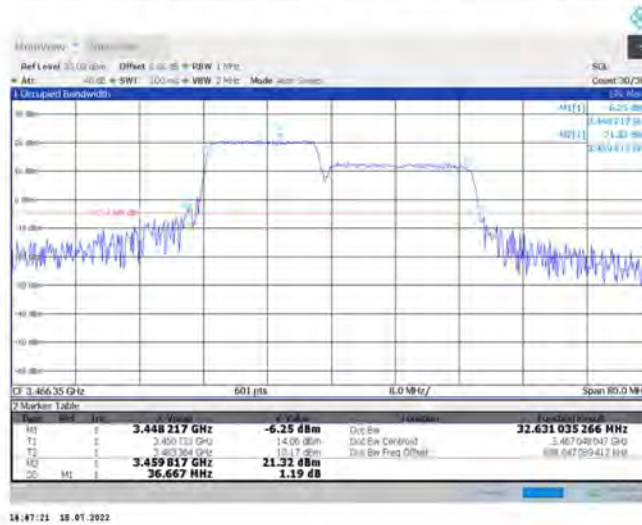
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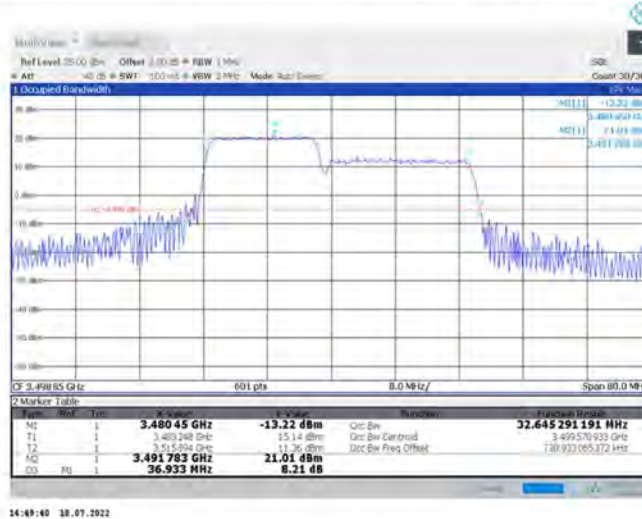
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14:49:40 18.01.2022

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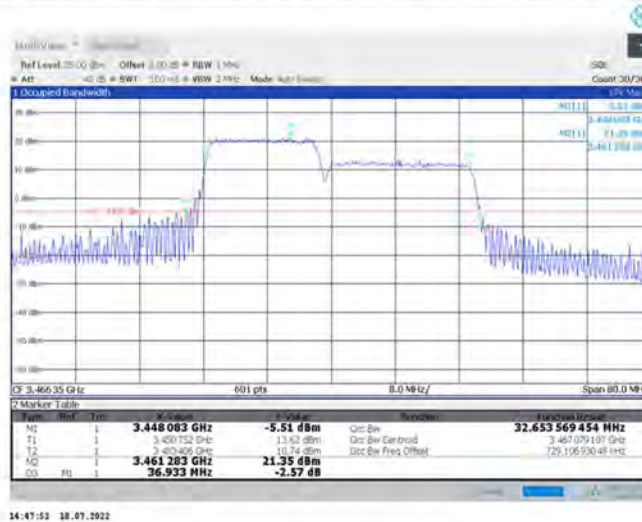


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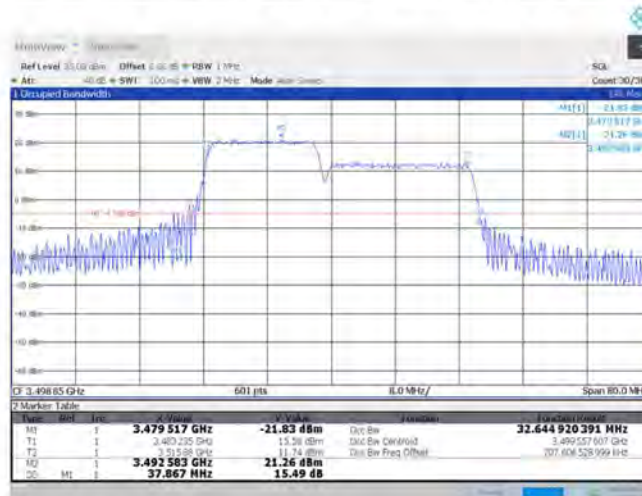
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14:50:11 18.01.2022

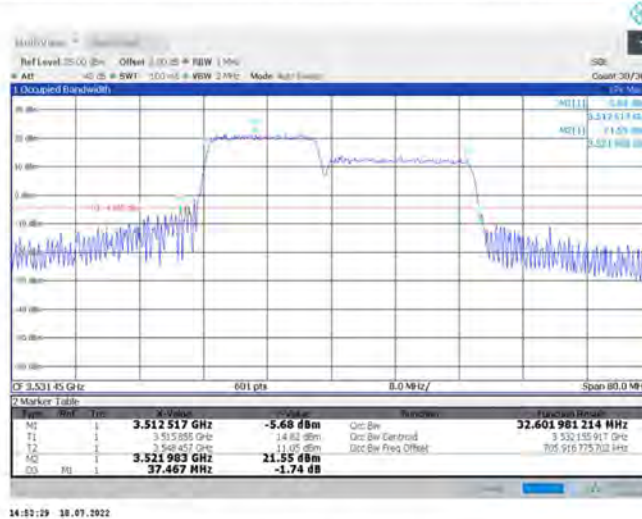


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14:32:29 18.01.2022

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14:48:23 18.01.2022

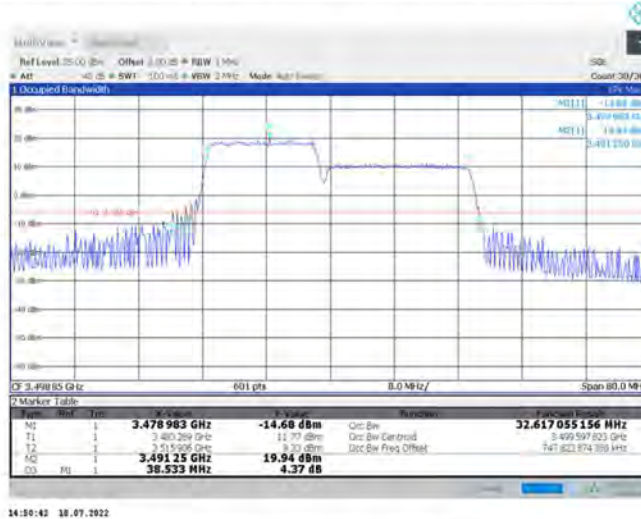


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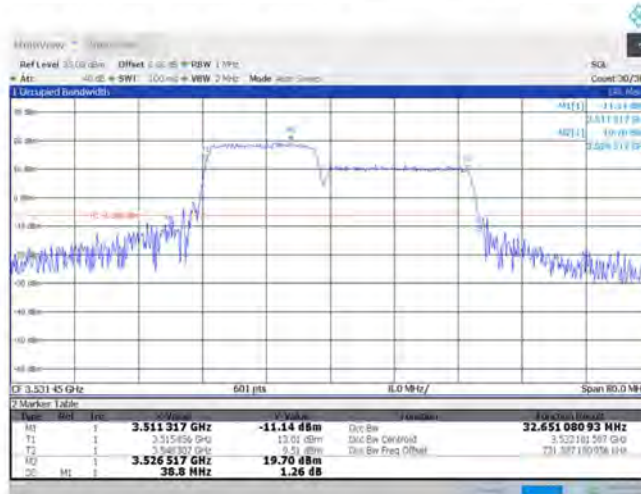
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42-42-15MHz-20MHz-256QAM-256QAM-42493-42664-75RB#0-100RB#0



14:50:42 16.07.2022

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14:53:00 16.07.2022



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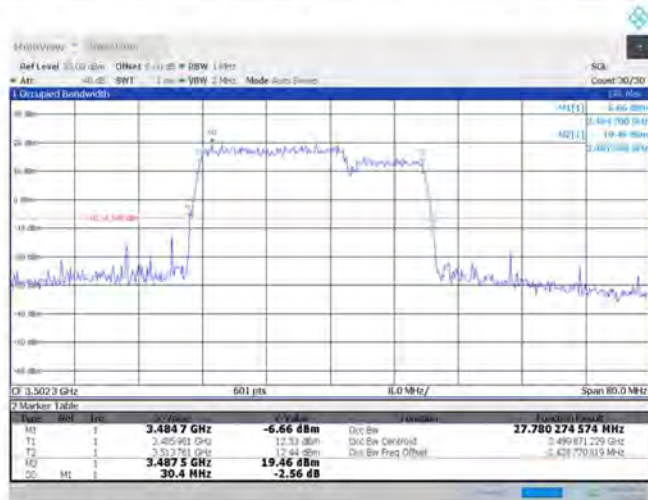
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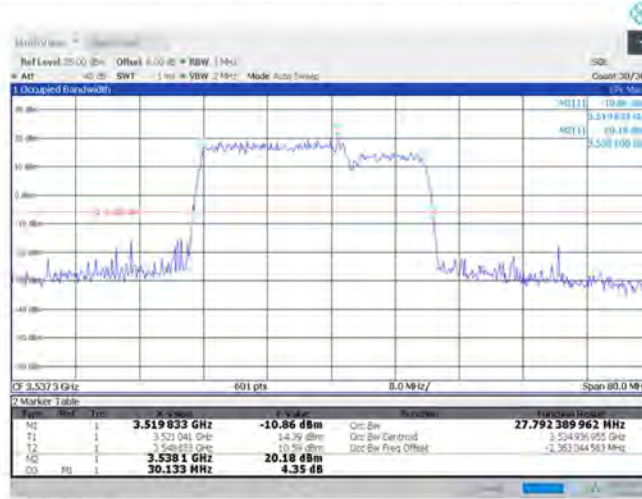


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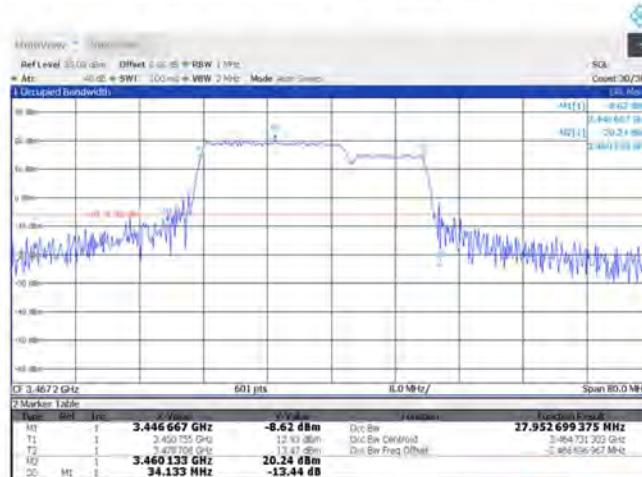
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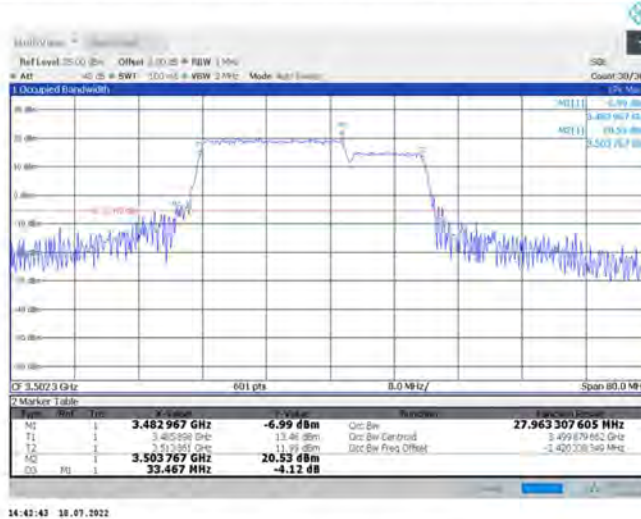
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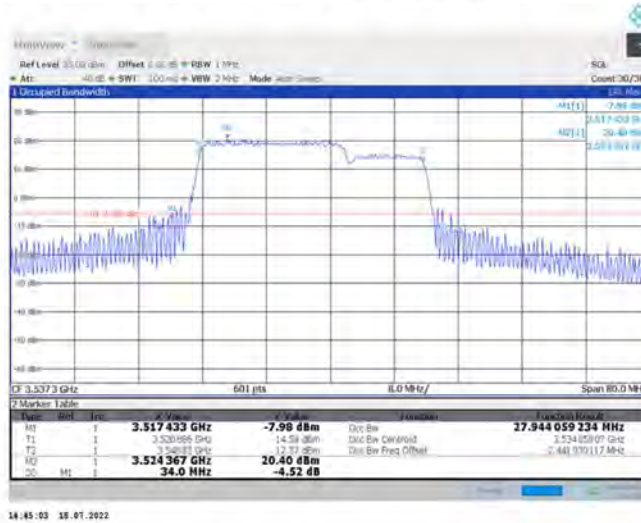
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42-42-20MHz-10MHz-16QAM-16QAM-42541-42685-100RB#0-50RB#0



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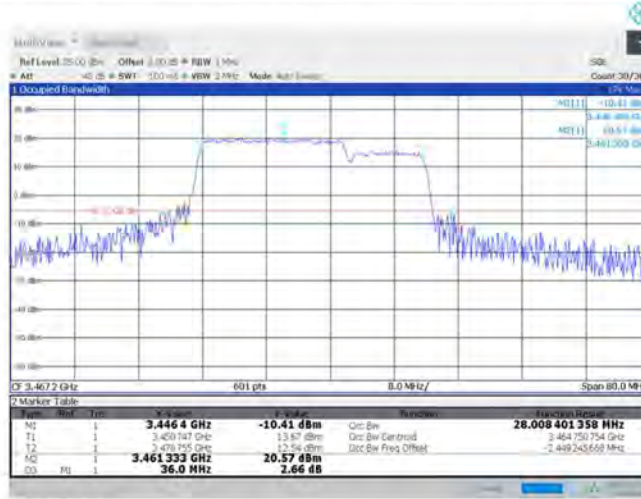


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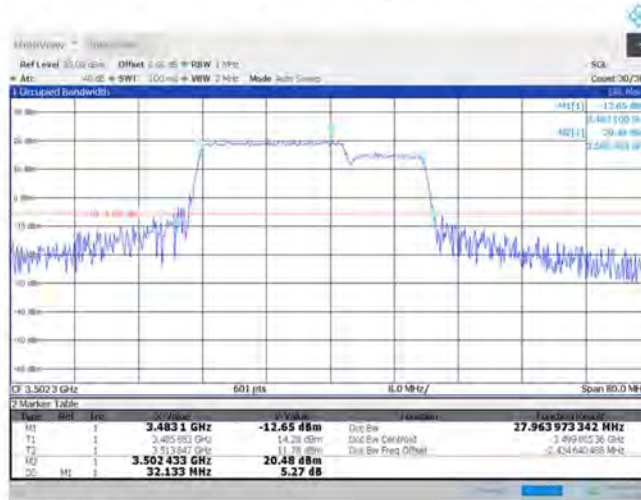
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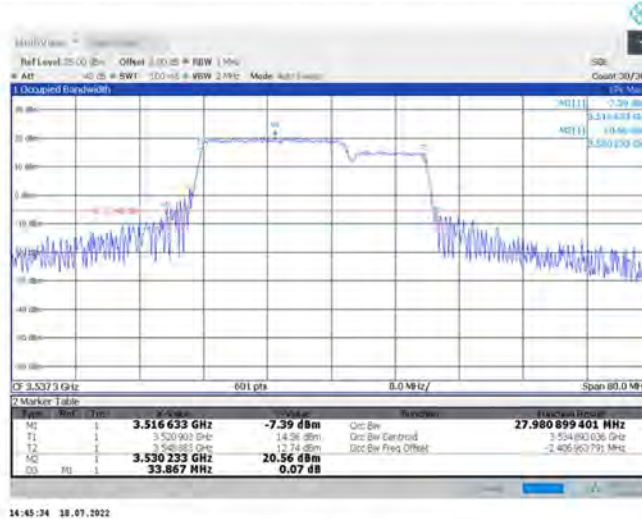


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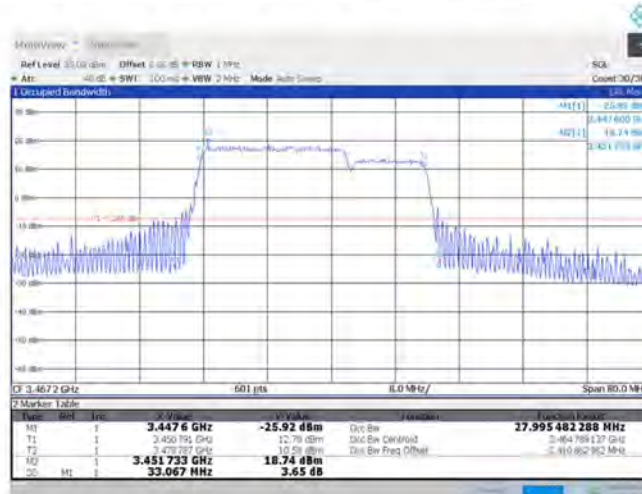
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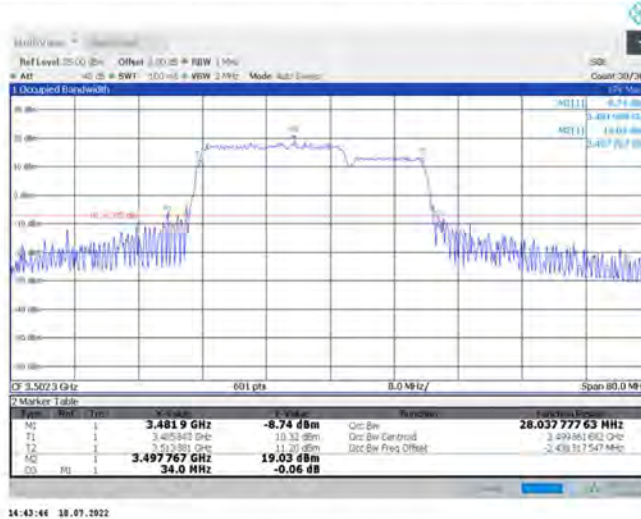


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42-42-20MHz-10MHz-256QAM-256QAM-42541-42685-100RB#0-50RB#0



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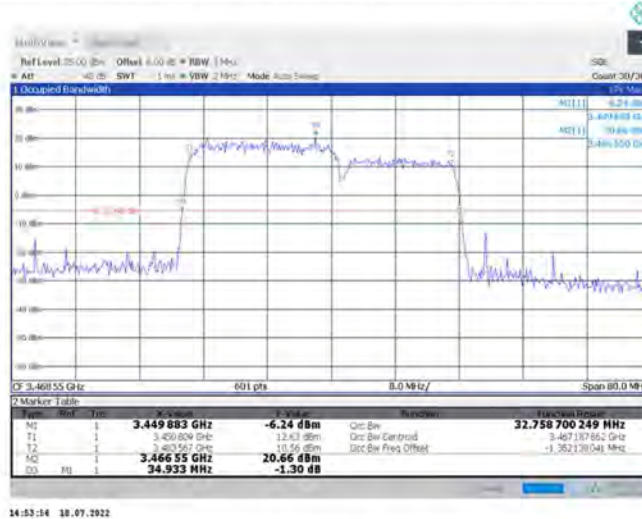


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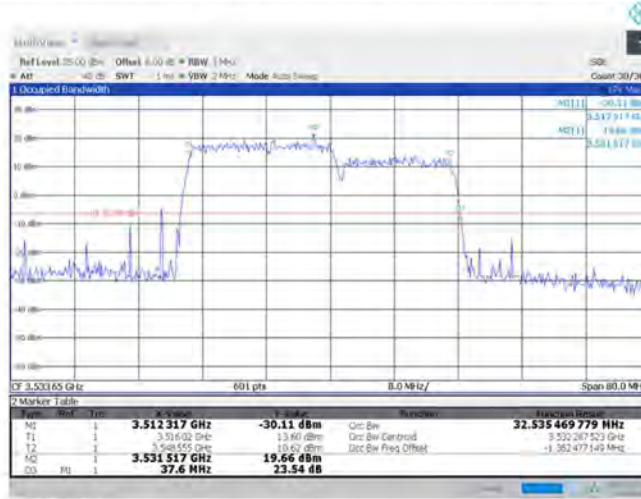


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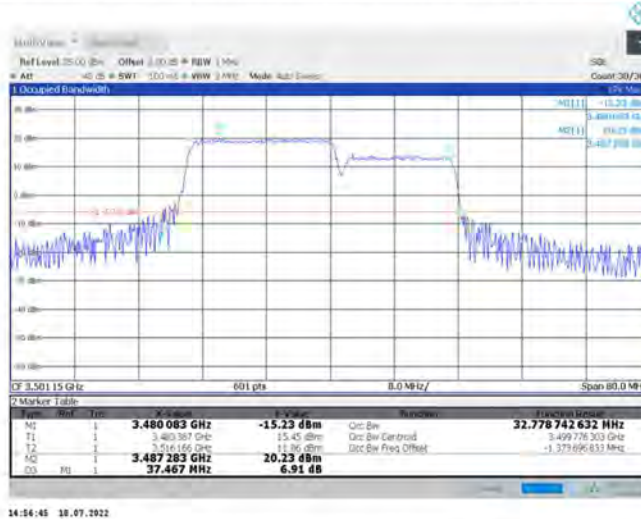


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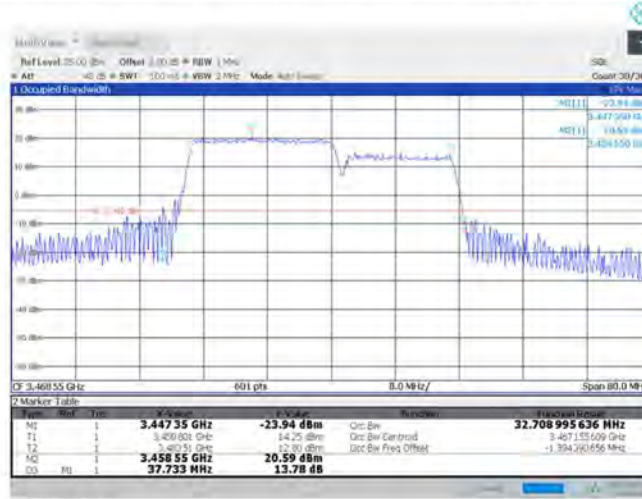


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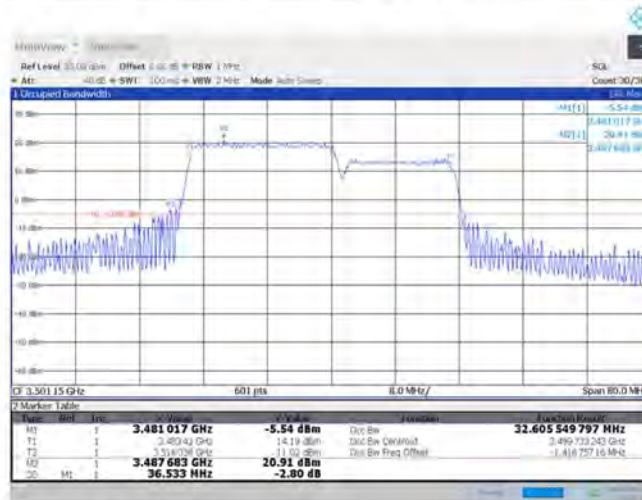
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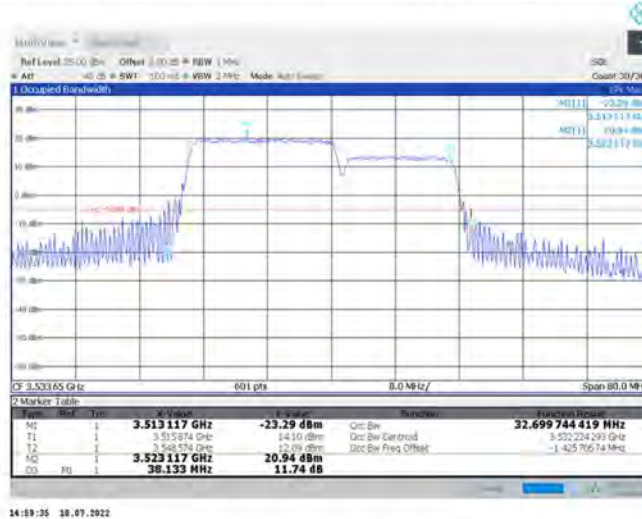


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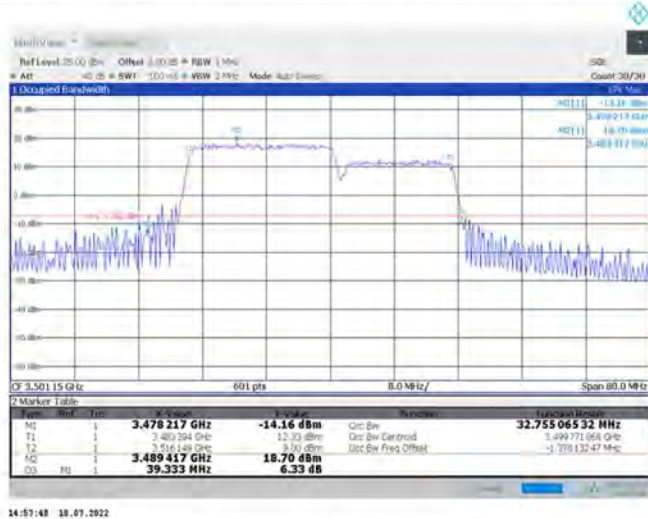


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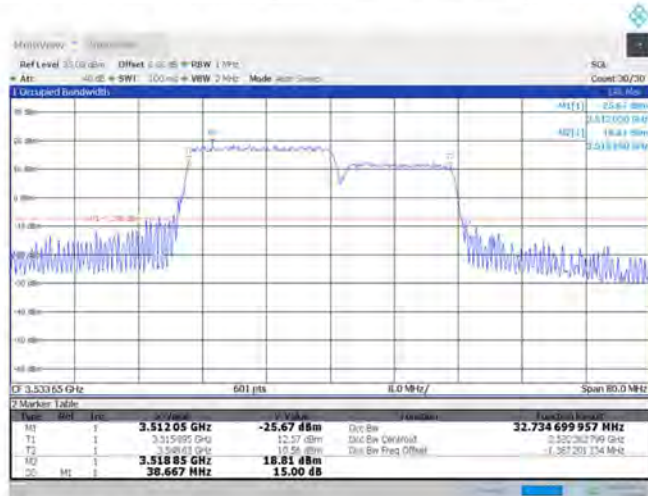
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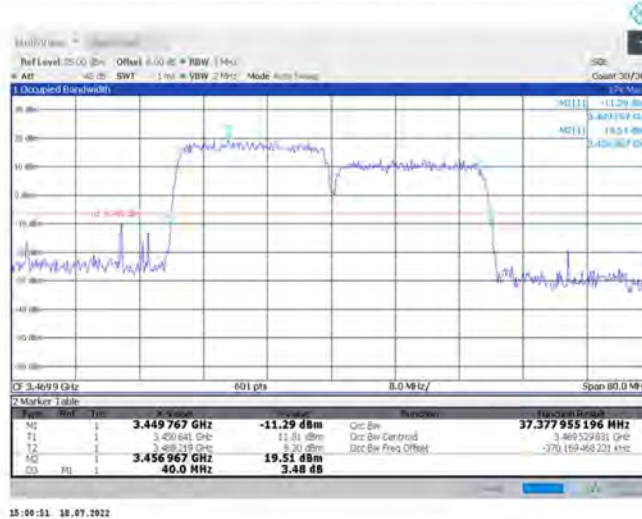
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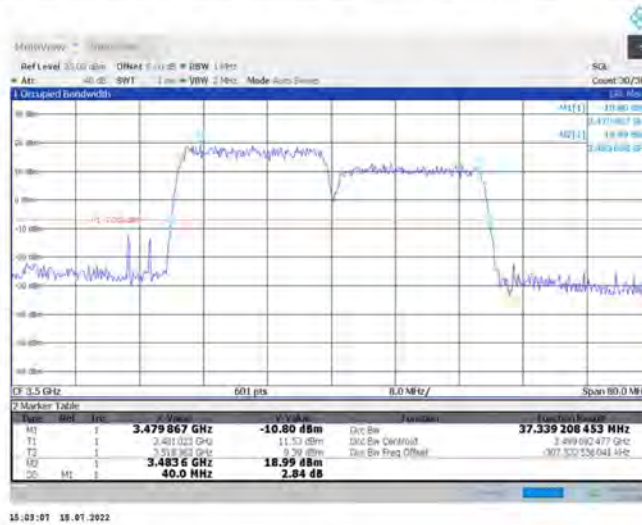
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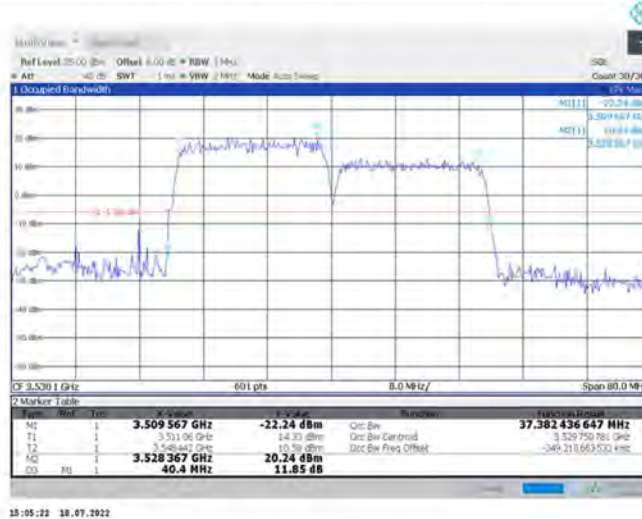


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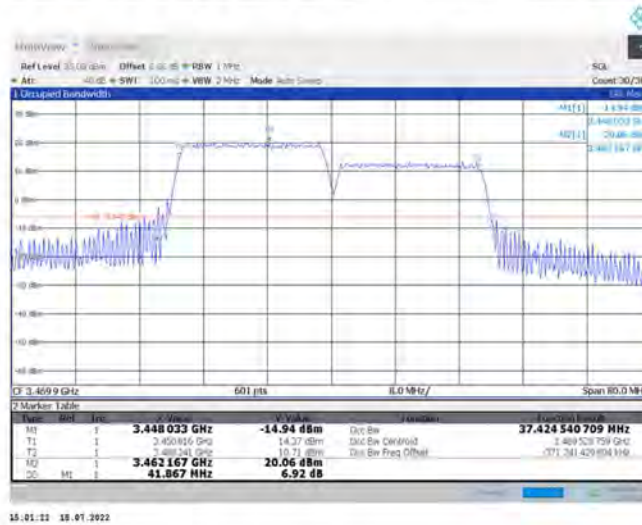
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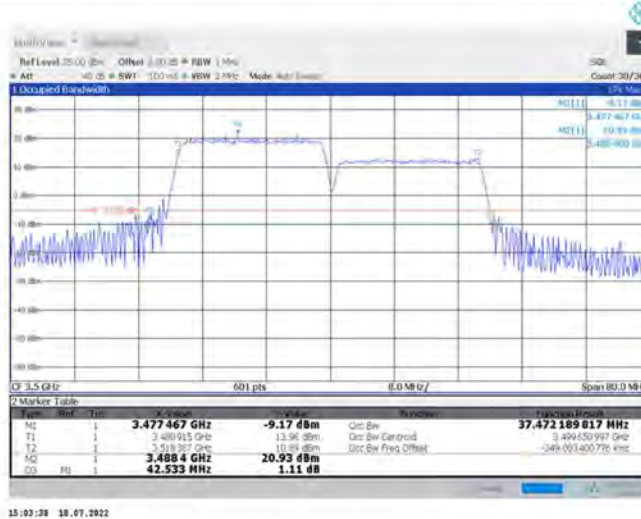
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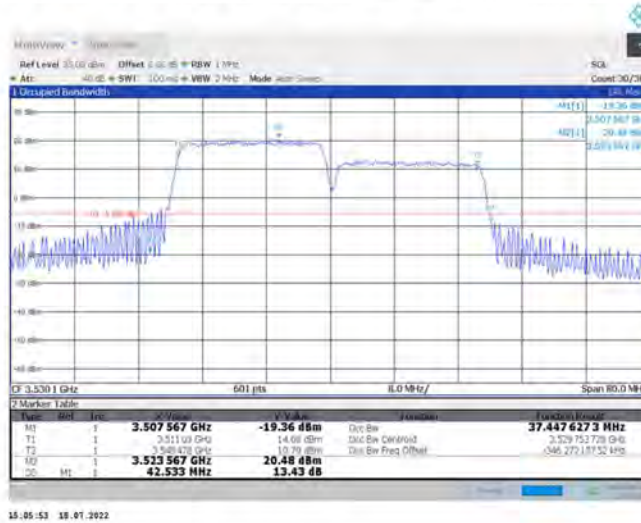
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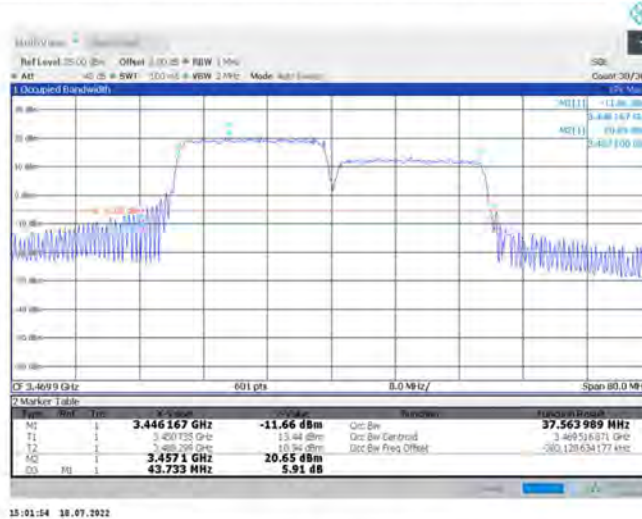


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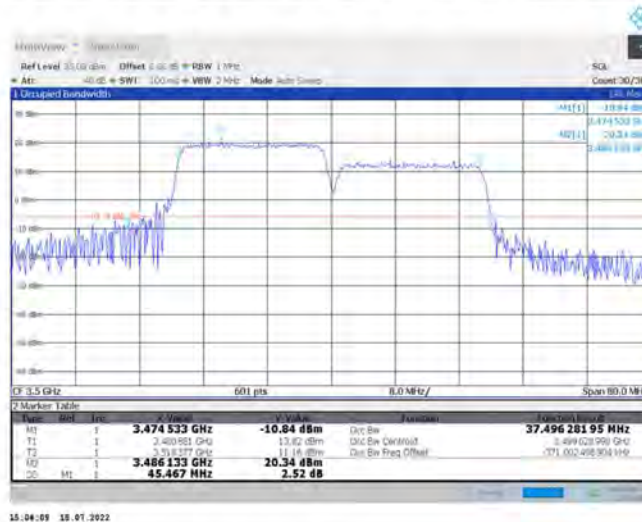
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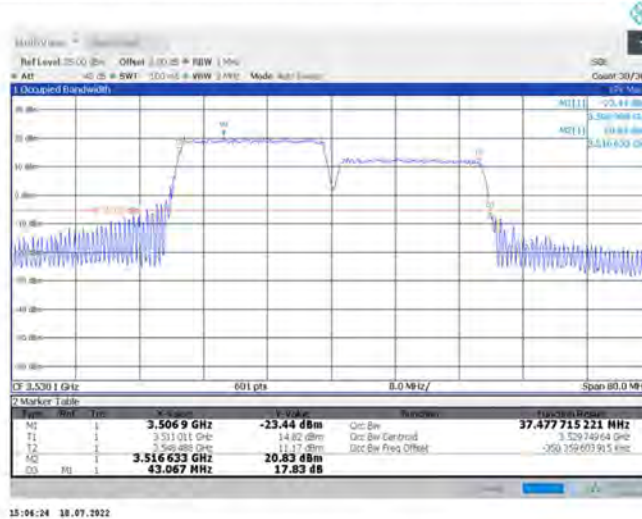
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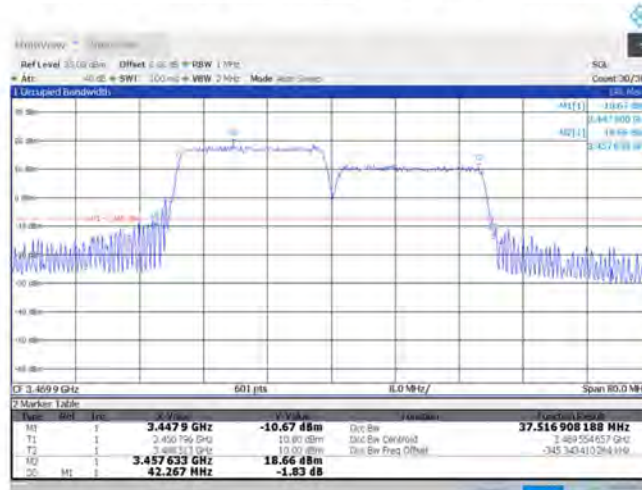
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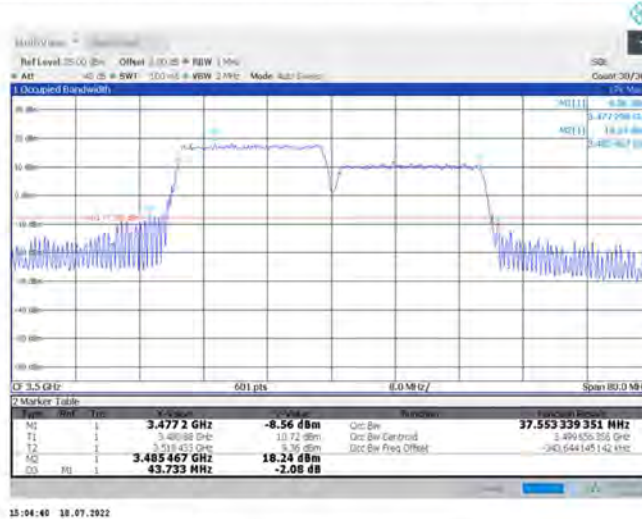


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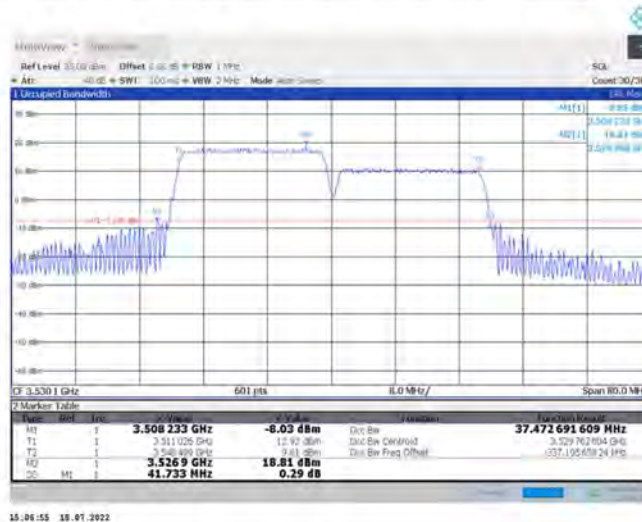
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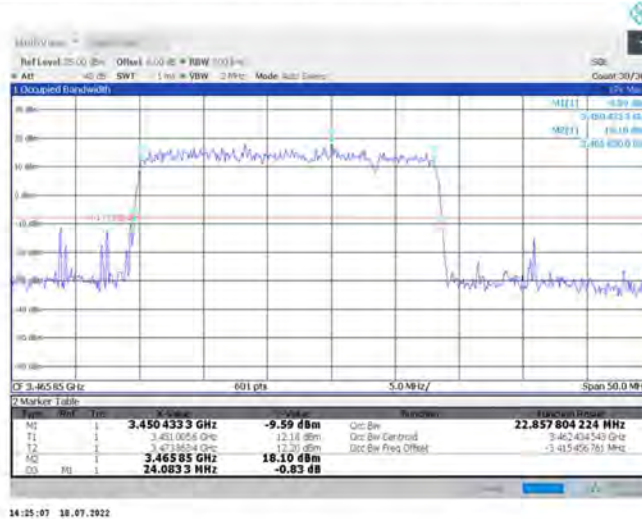


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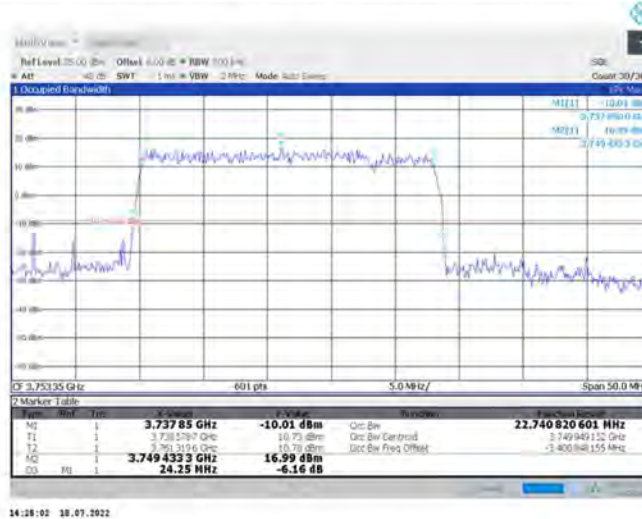
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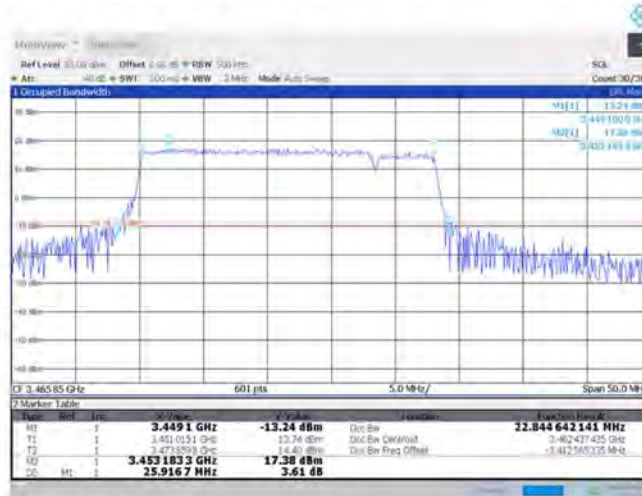
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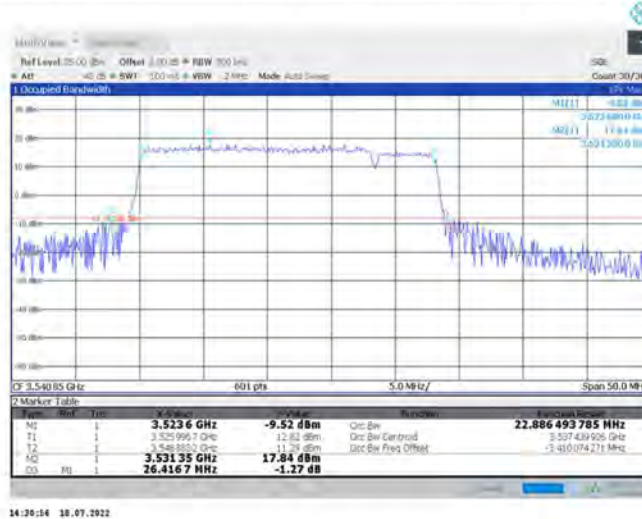
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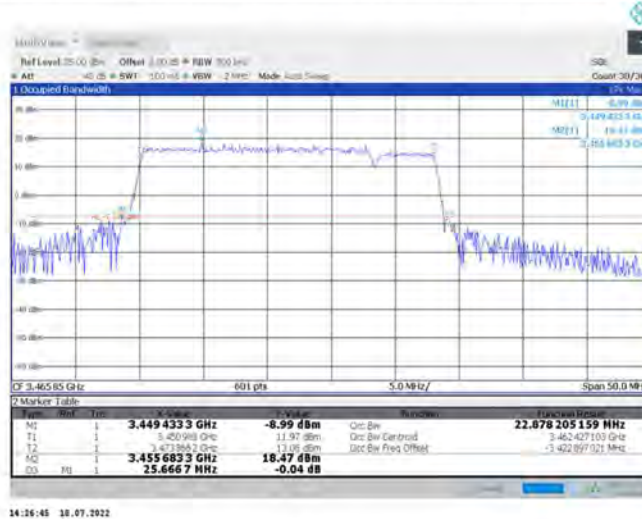


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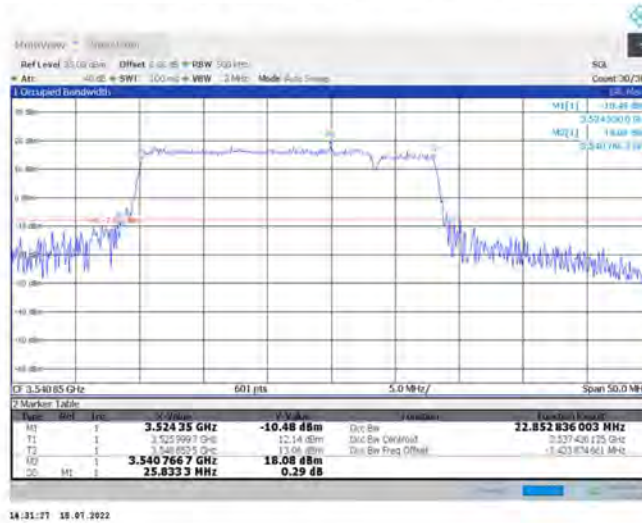
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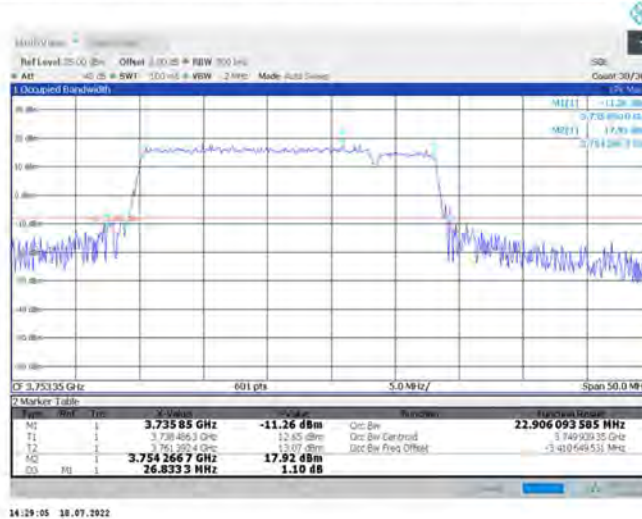


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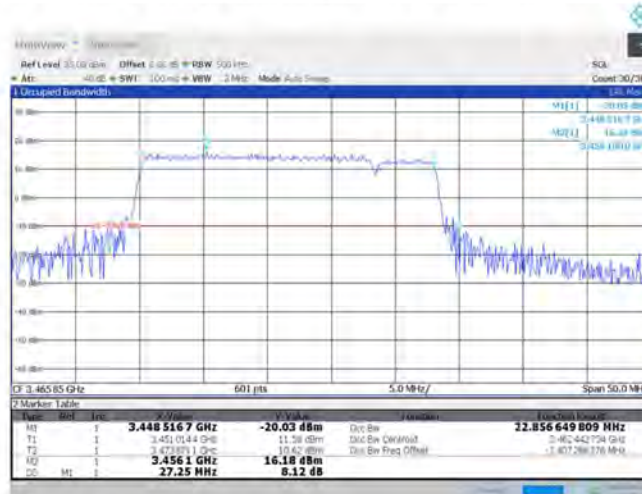
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42-42-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



14:29:05 18.07.2022

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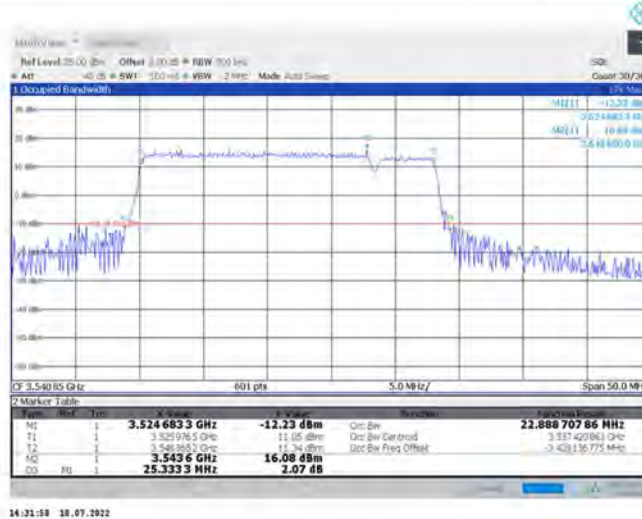


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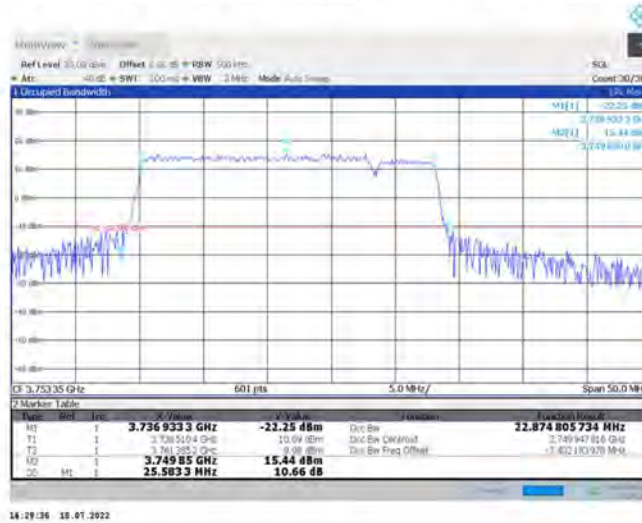
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42-42-20MHz-5MHz-256QAM-256QAM-42940-43057-100RB#0-25RB#0



42-42-20MHz-5MHz-256QAM-256QAM-45065-45182-100RB#0-25RB#0



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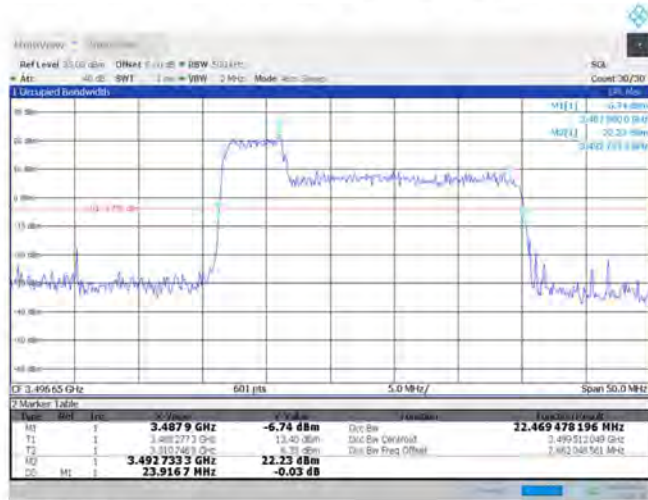
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



14:17:59 18.07.2022

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



14:20:18 18.07.2022



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



14:21:37 18.07.2022

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



14:18:30 18.07.2022

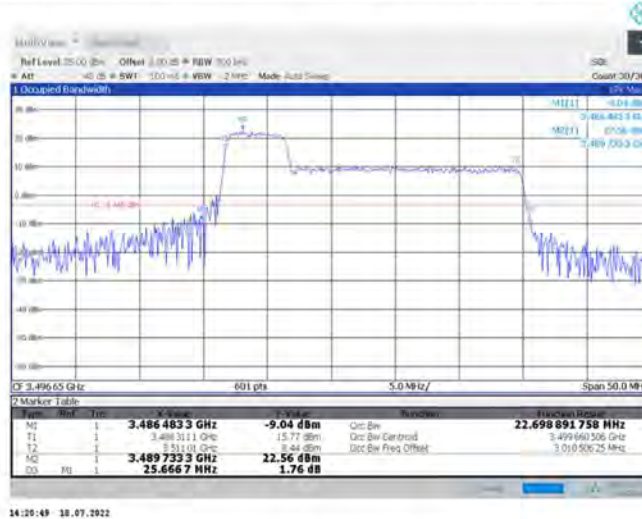


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42-42-5MHz-20MHz-16QAM-16QAM-42498-42615-25RB#0-100RB#0



14:20:49 18.07.2022

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



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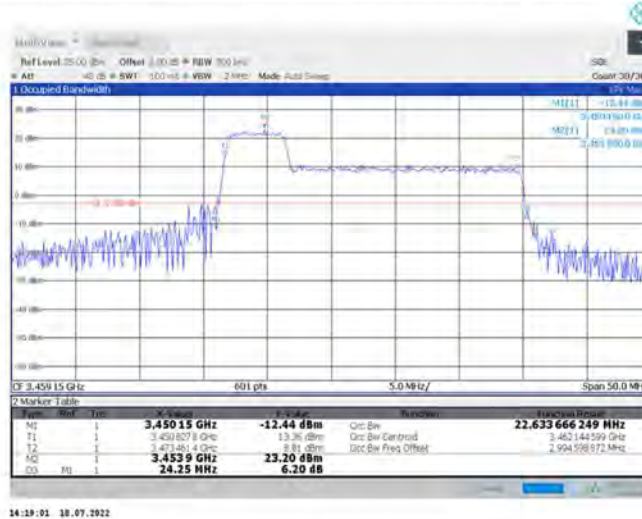


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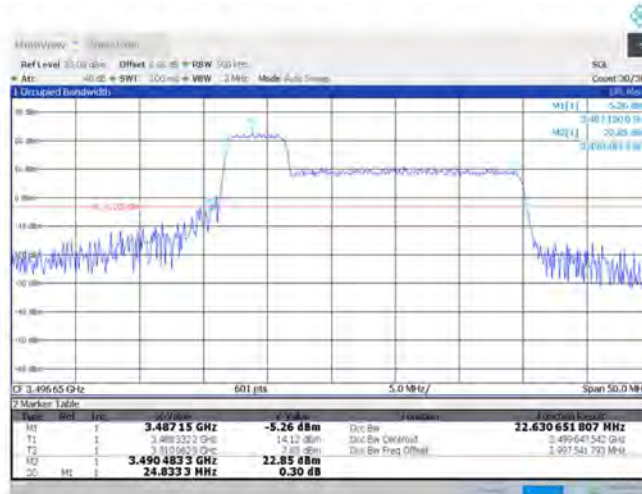
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42-42-5MHz-20MHz-64QAM-64QAM-42123-42240-25RB#0-100RB#0



14:19:01 18.07.2022

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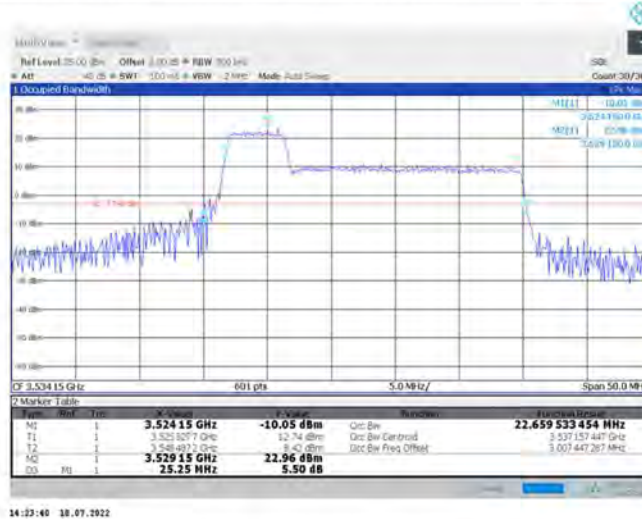


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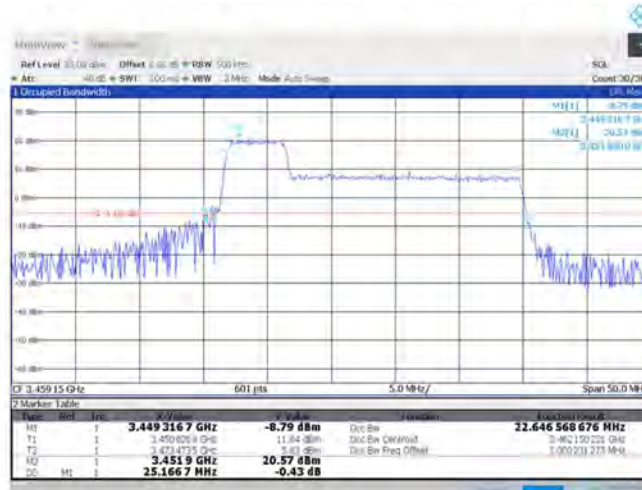
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42-42-5MHz-20MHz-64QAM-64QAM-42873-42990-25RB#0-100RB#0



14:23:40 18.07.2022

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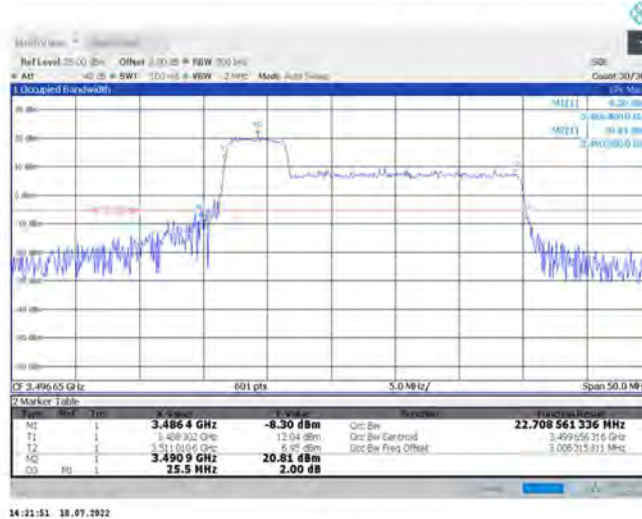


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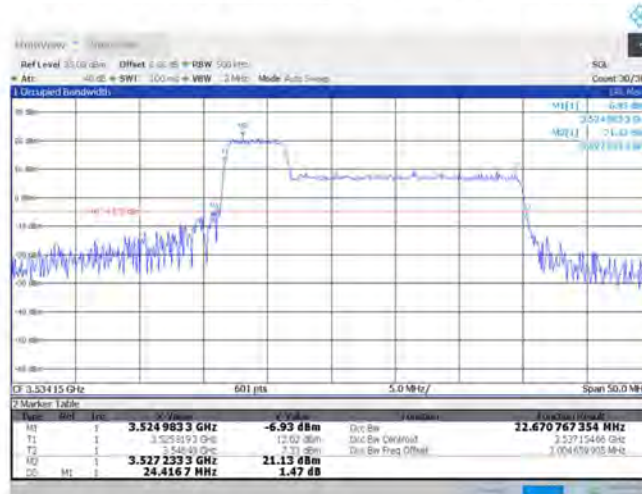
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14:28:11 18.07.2022



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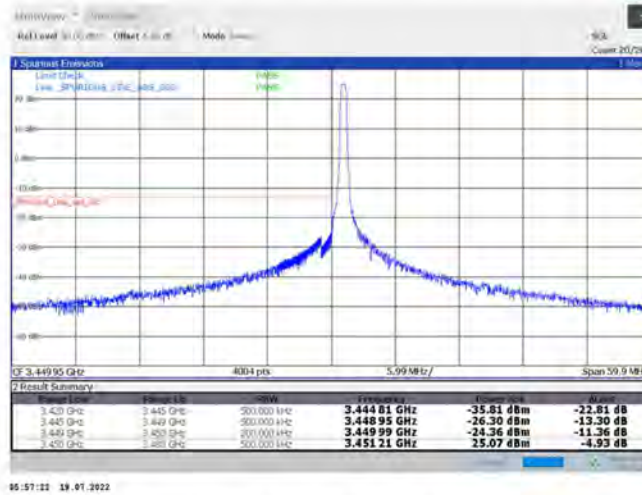
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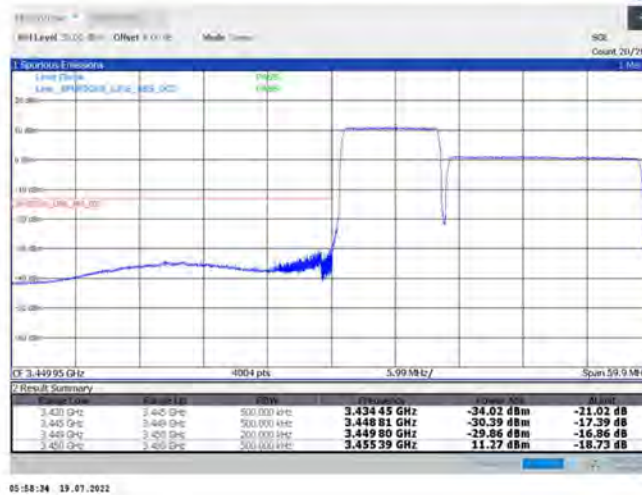
Band Edge

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

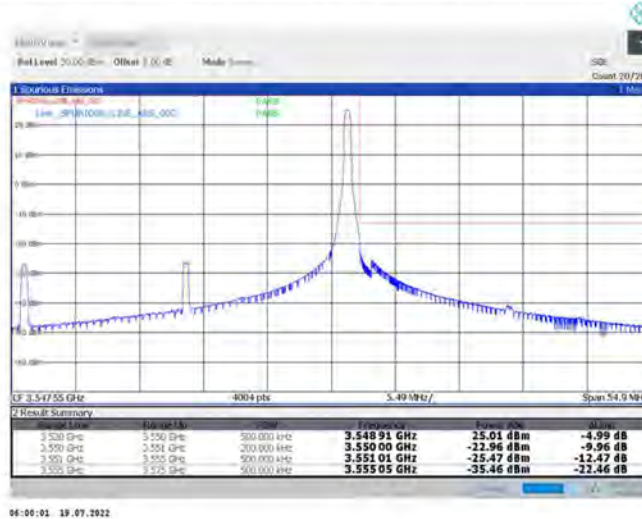


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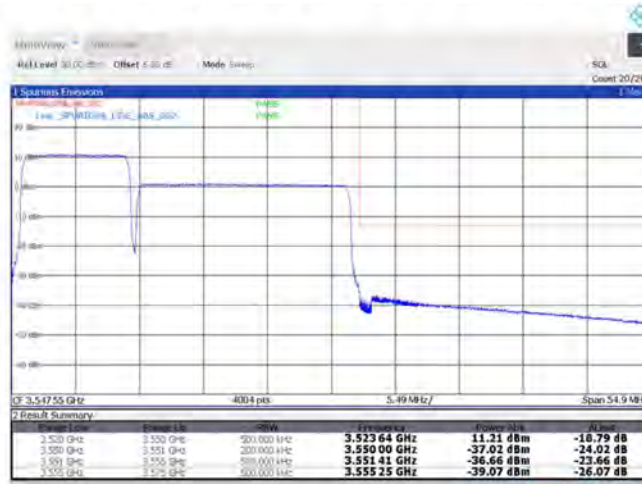
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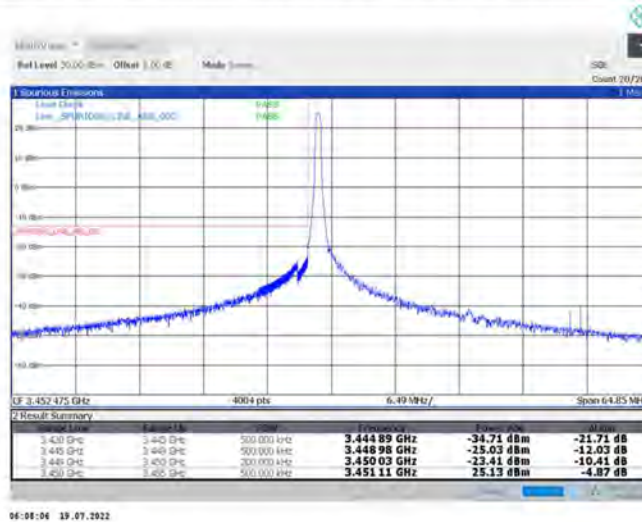


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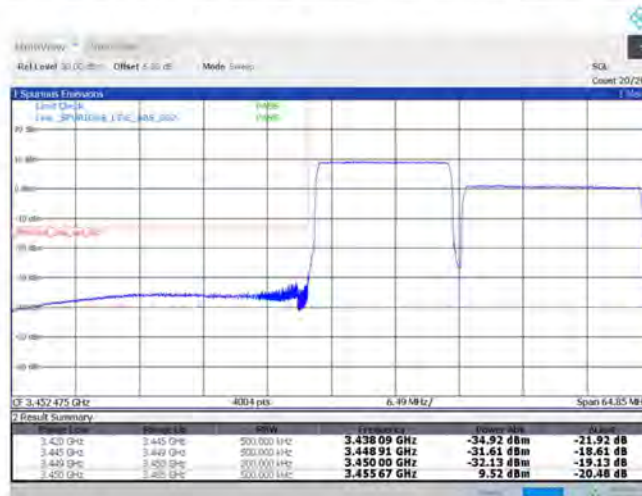
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-1RB#0-0RB#0



06:08:06 19. 07. 2022

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08:09:18 19. 07. 2022

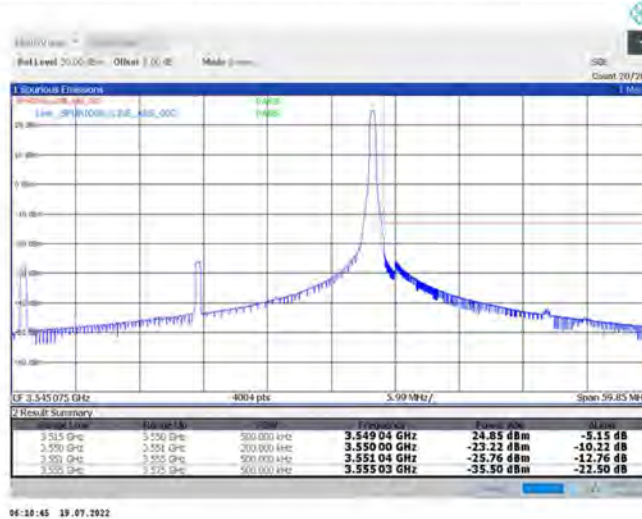


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42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-0RB#0-1RB#99



04:30:45 19. 07. 2022

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



08:11:57 19. 07. 2022

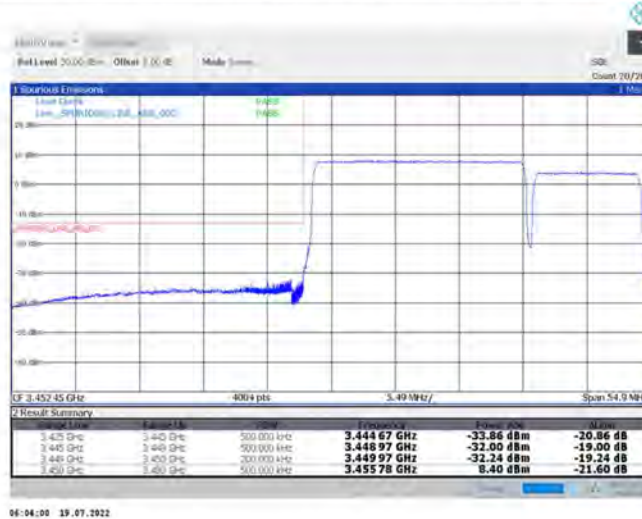


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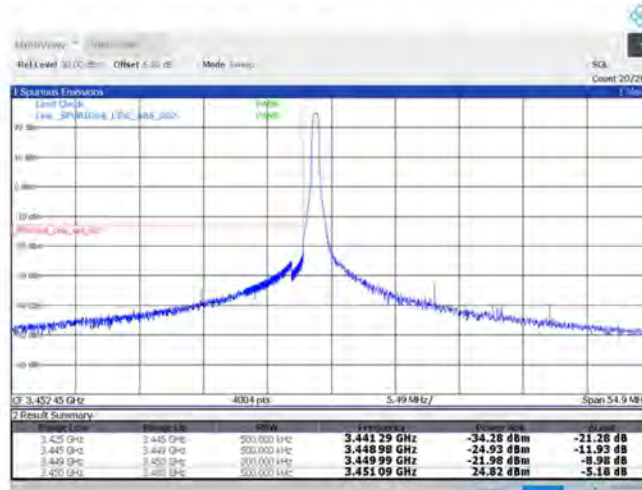
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



06:04:00 19. 07. 2022

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



08:02:46 19. 07. 2022

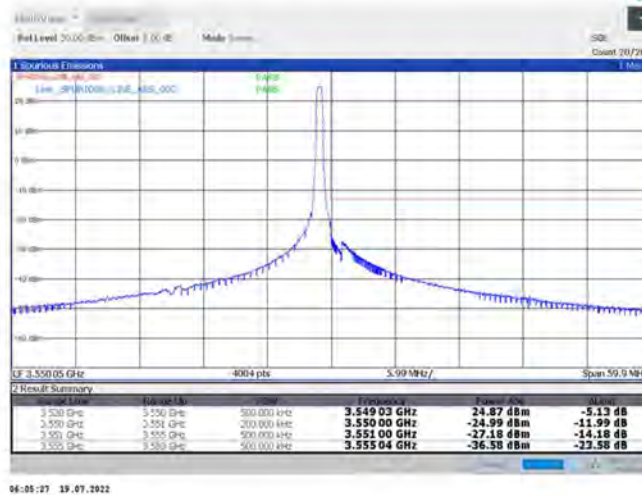


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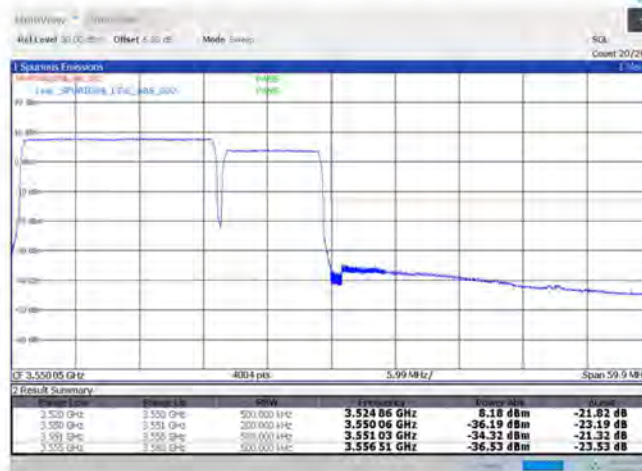
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



06:05:27 19. 07. 2022

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



08:06:39 19. 07. 2022

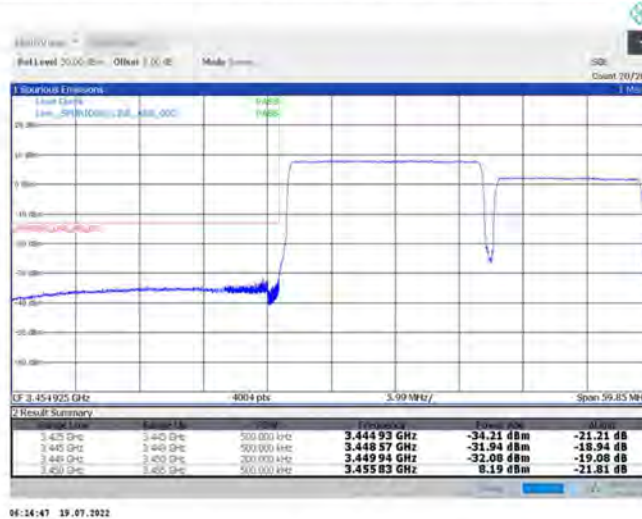


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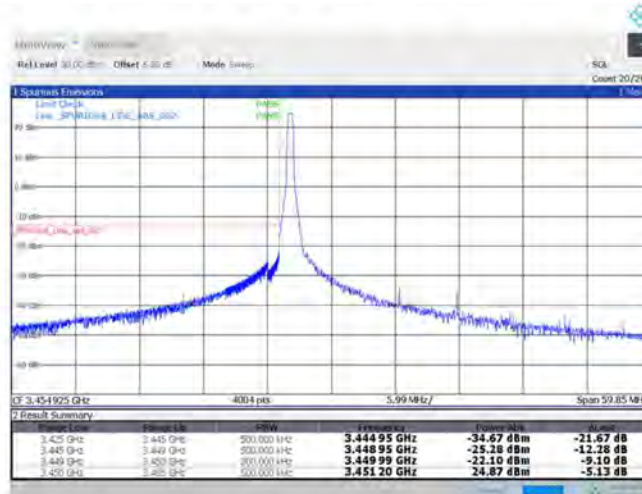
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



04:14:47 19.07.2022

42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-1RB#0-0RB#0



08:13:34 19.07.2022



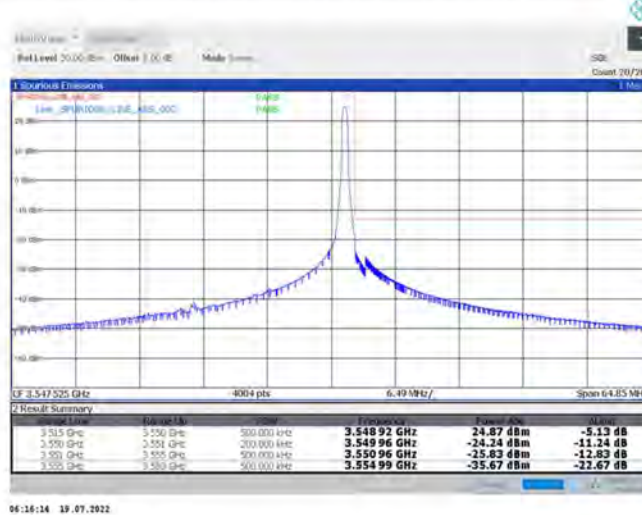
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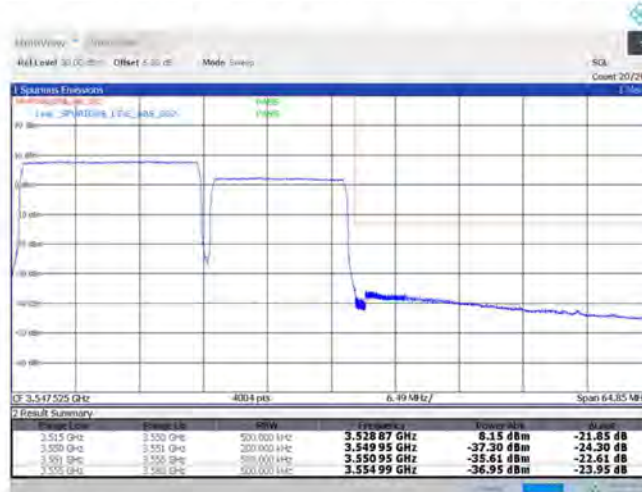
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-0RB#0-1RB#74



04:16:14 19.07.2022

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



08:27:26 19.07.2022



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