

Report No.: SEWA2309000114RG09

Rev.: 01

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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(dBm)	Limit(dBm)	Verdict
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	1RB#0-0RB#0	21.05	22.05	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42145-42289	50RB#0-100RB#0	19.96	20.96	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	1RB#0-0RB#0	21	22	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42496-42640	50RB#0-100RB#0	19.85	20.85	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	1RB#0-0RB#0	20.95	21.95	30.00	PASS
42-42	10MHz-20MHz	QPSK-QPSK	42846-42990	50RB#0-100RB#0	19.9	20.9	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	1RB#0-0RB#0	20.08	21.08	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42145-42289	50RB#0-100RB#0	18.91	19.91	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	1RB#0-0RB#0	19.98	20.98	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42496-42640	50RB#0-100RB#0	18.82	19.82	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	1RB#0-0RB#0	19.85	20.85	30.00	PASS
42-42	10MHz-20MHz	16QAM-16QAM	42846-42990	50RB#0-100RB#0	18.88	19.88	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	1RB#0-0RB#0	19.16	20.16	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42145-42289	50RB#0-100RB#0	18.93	19.93	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	1RB#0-0RB#0	19.11	20.11	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42496-42640	50RB#0-100RB#0	18.85	19.85	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	1RB#0-0RB#0	18.97	19.97	30.00	PASS
42-42	10MHz-20MHz	64QAM-64QAM	42846-42990	50RB#0-100RB#0	18.93	19.93	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	1RB#0-0RB#0	16.06	17.06	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42145-42289	50RB#0-100RB#0	16.91	17.91	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	1RB#0-0RB#0	16.02	17.02	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42496-42640	50RB#0-100RB#0	16.87	17.87	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	1RB#0-0RB#0	15.89	16.89	30.00	PASS
42-42	10MHz-20MHz	256QAM-256QAM	42846-42990	50RB#0-100RB#0	16.91	17.91	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	1RB#0-0RB#0	20.97	21.97	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42168-42339	75RB#0-100RB#0	19.96	20.96	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	1RB#0-0RB#0	20.97	21.97	30.00	PASS
42-42	15MHz-20MHz	QPSK-QPSK	42493-42664	75RB#0-100RB#0	19.85	20.85	30.00	PASS



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, Reference, Value 1, Value 2, Limit, Result. Contains 40 rows of test data.



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, Sample ID, and 4 numerical results. Rows include various modulation types like 64QAM, 256QAM, and QPSK across different frequencies (20MHz, 15MHz).



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, Sample ID, SNR, BER, Error Rate, Result. Contains 45 rows of test data.



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Table with 9 columns: Test ID, Frequency, Modulation, Standard, Test Result 1, Test Result 2, Test Result 3, Test Result 4, Status. Contains 40 rows of test data.



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42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	1RB#0-0RB#0	19	20	30.00	PASS
42-42	5MHz-20MHz	64QAM-64QAM	42873-42990	50RB#0-100RB#0	18.4	19.4	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	1RB#0-0RB#0	15.91	16.91	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42123-42240	50RB#0-100RB#0	16.36	17.36	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	1RB#0-0RB#0	15.94	16.94	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42498-42615	50RB#0-100RB#0	16.36	17.36	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	1RB#0-0RB#0	15.92	16.92	30.00	PASS
42-42	5MHz-20MHz	256QAM-256QAM	42873-42990	50RB#0-100RB#0	16.35	17.35	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	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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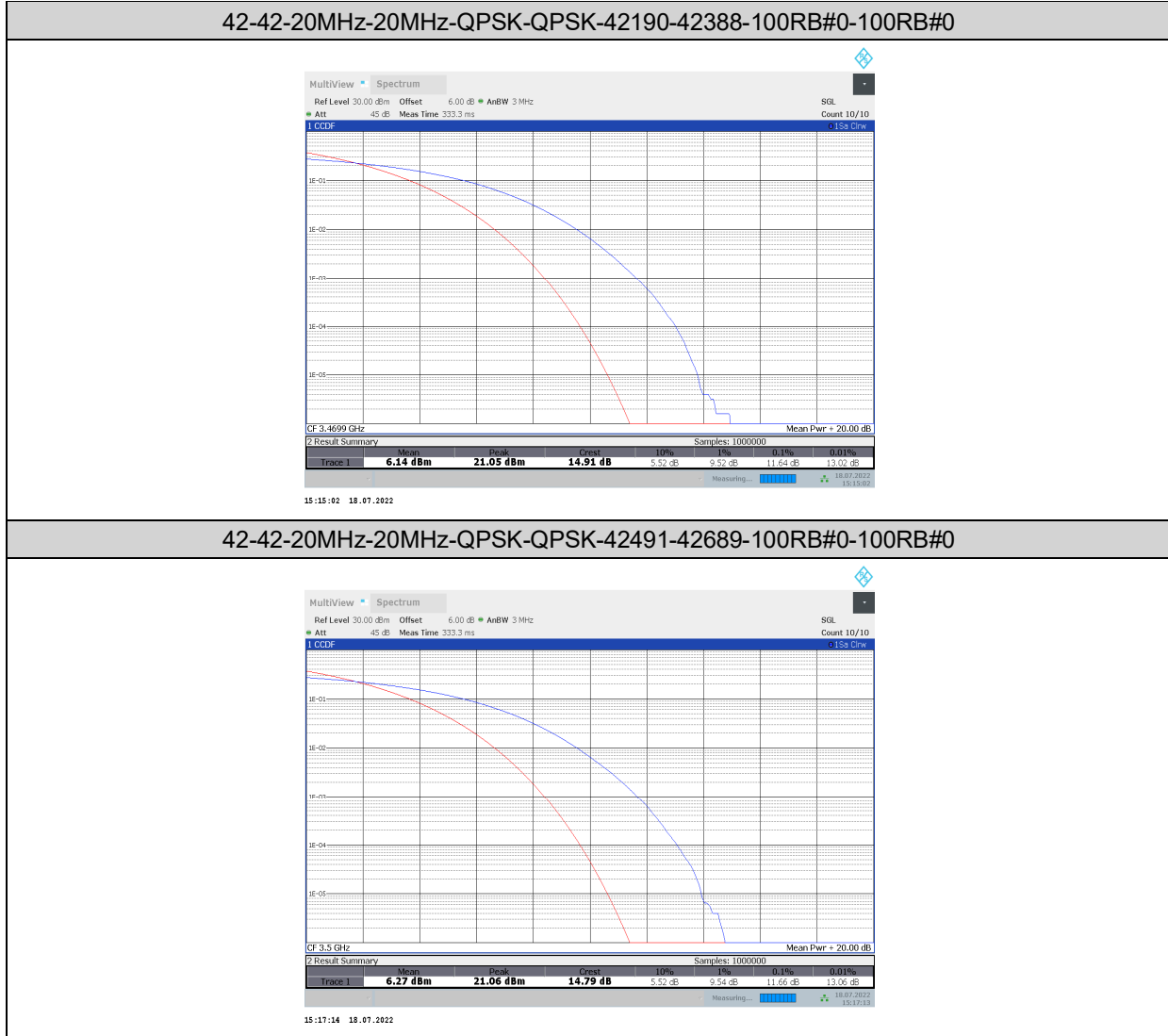
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Test Graphs

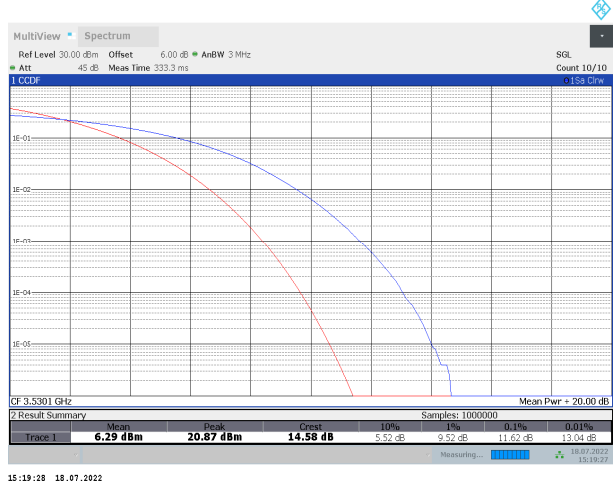


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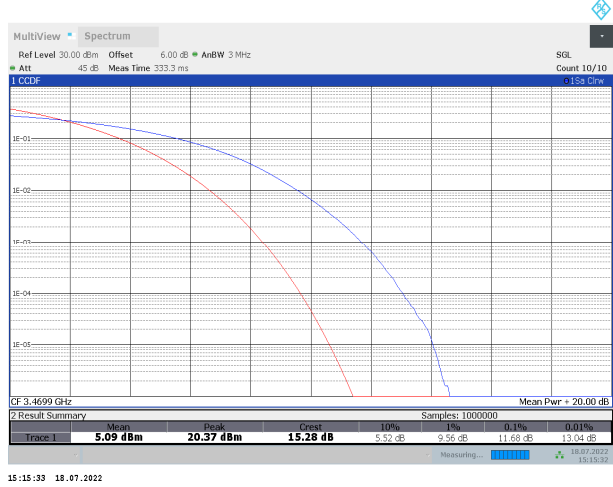
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



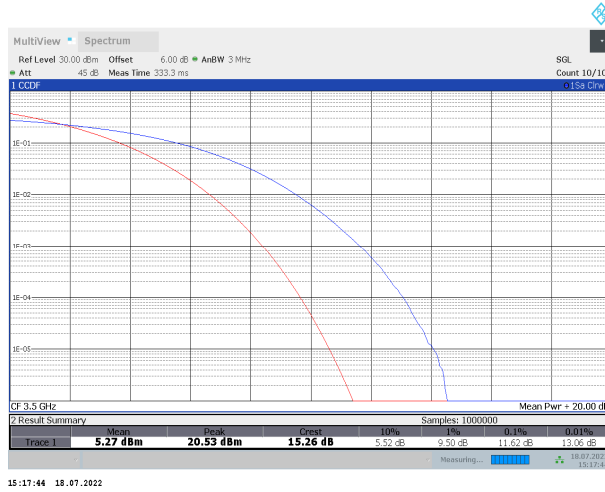
42-42-20MHz-20MHz-16QAM-16QAM-42190-42388-100RB#0-100RB#0



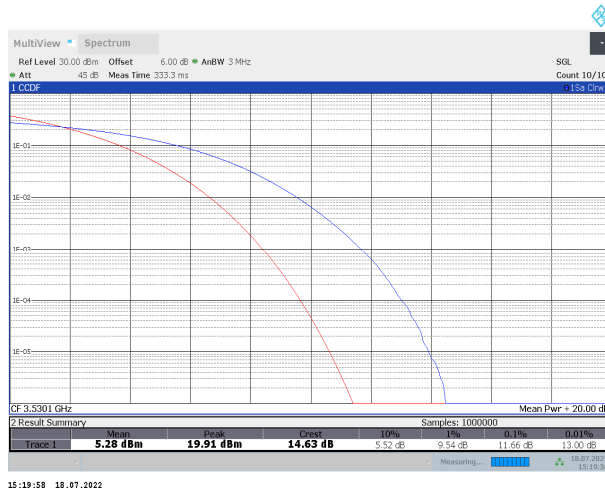
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42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



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

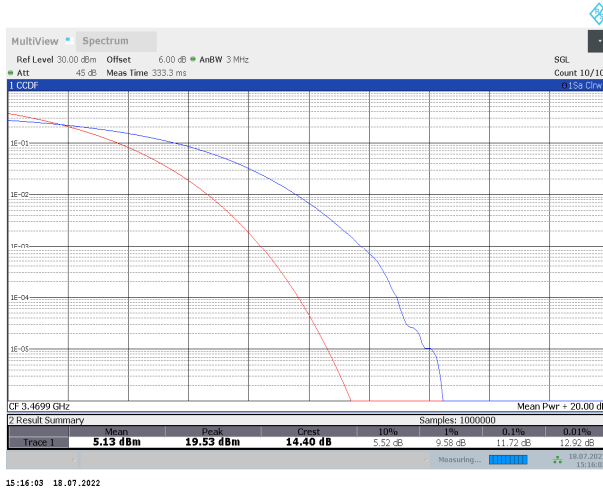


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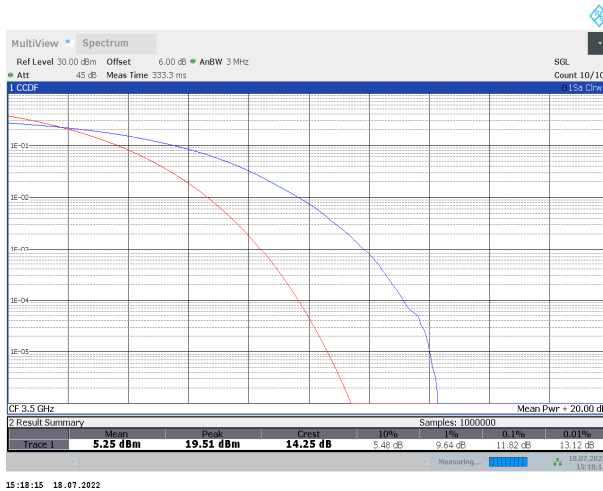
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



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

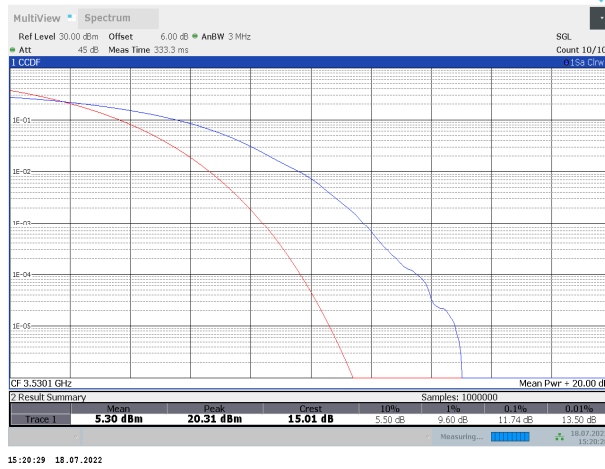


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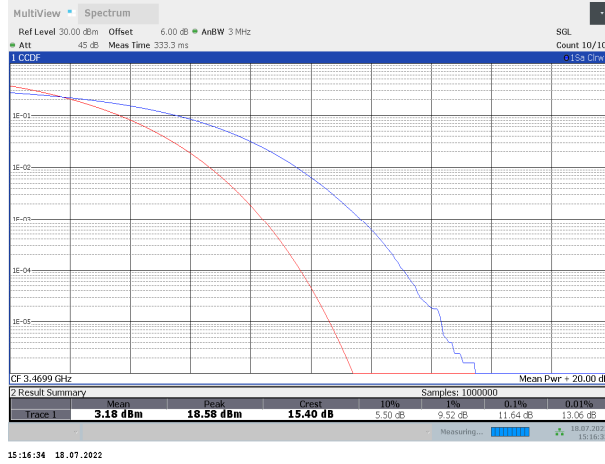
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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



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

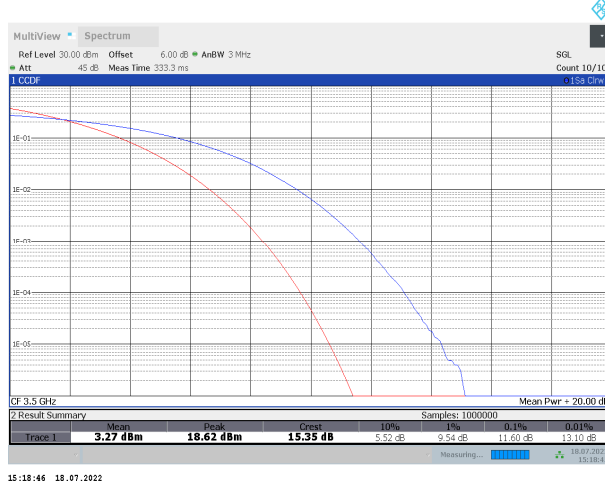


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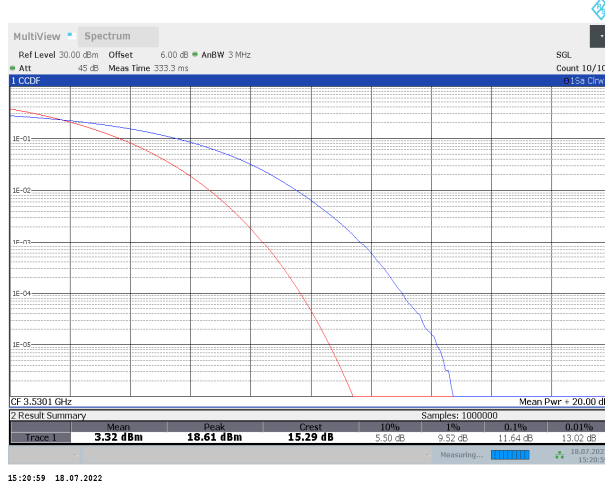
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



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



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



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Rev.: 01

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42-42	20MHz-5MHz	64QAM-64QAM	42940-43057	100RB#0-25RB#0	22.853	25.83	PASS
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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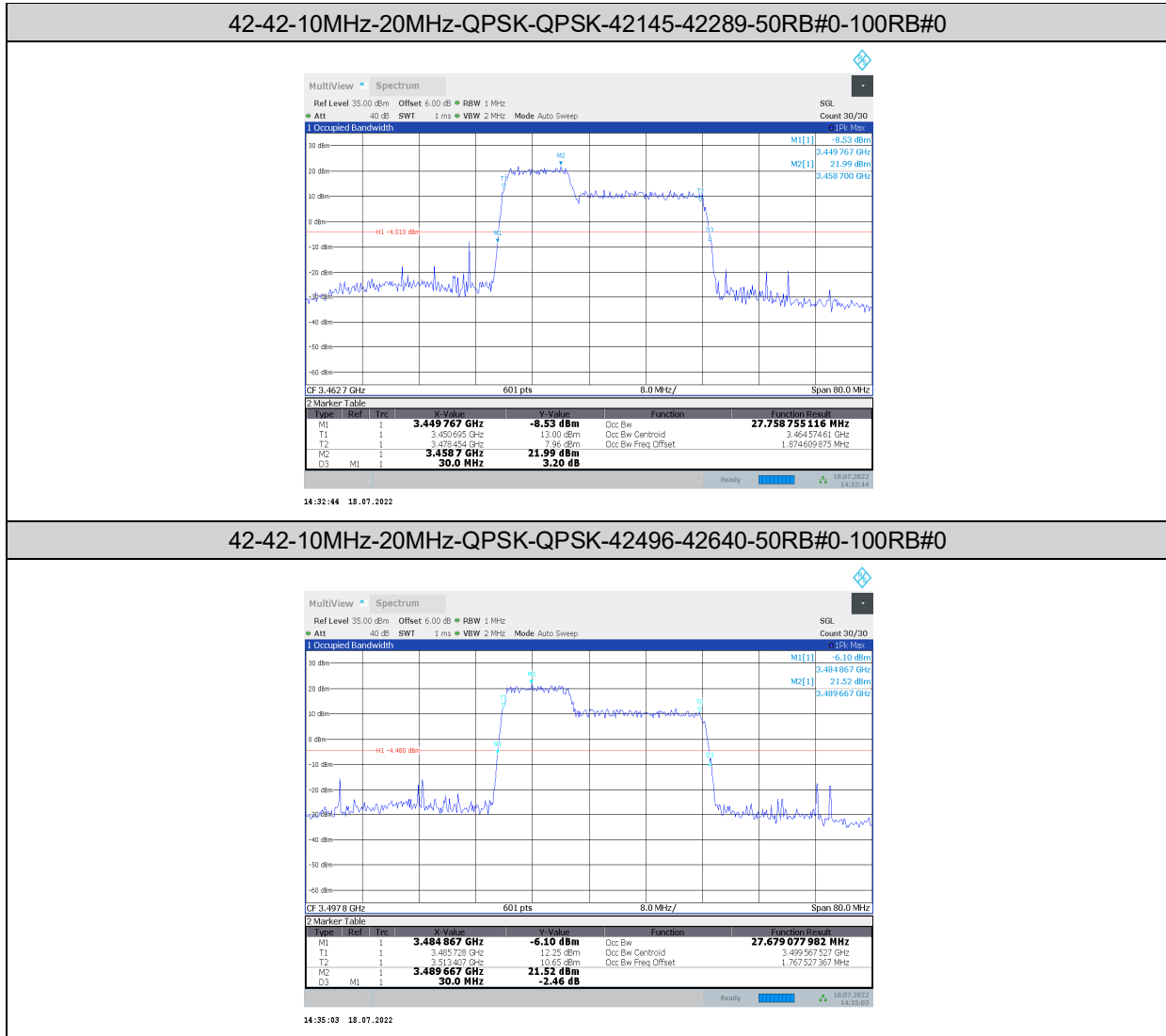
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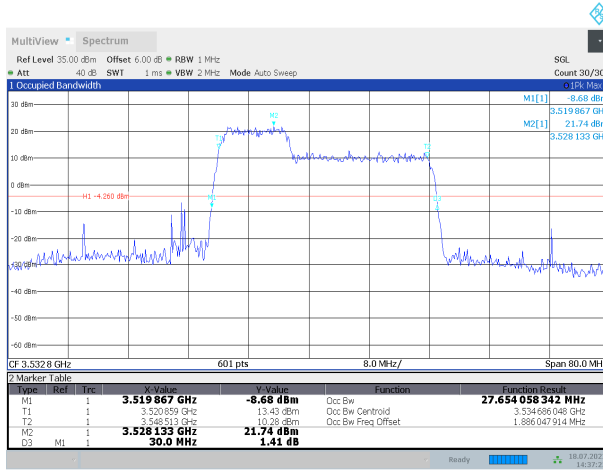
Test Graphs



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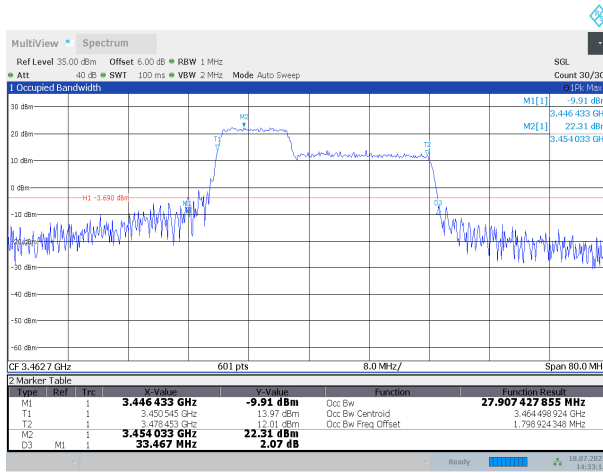
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14:37:23 18.07.2022

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



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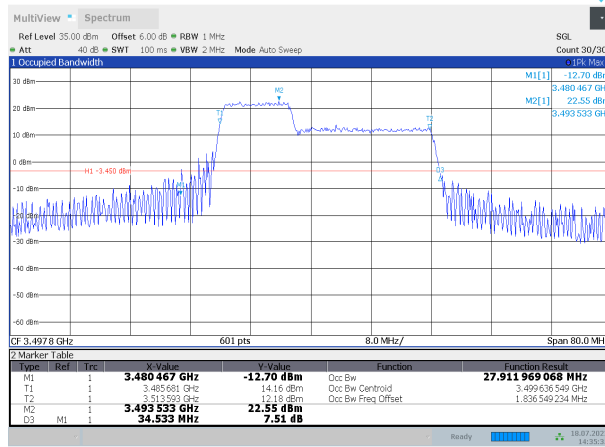


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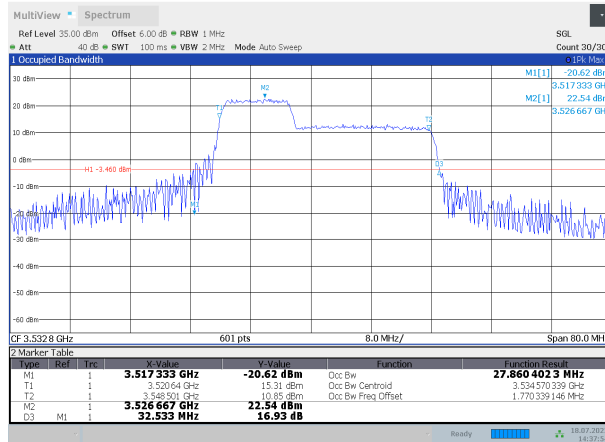
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42-42-10MHz-20MHz-16QAM-16QAM-42496-42640-50RB#0-100RB#0



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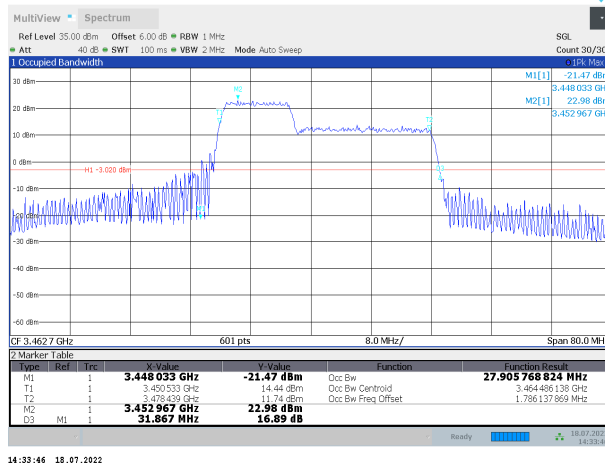


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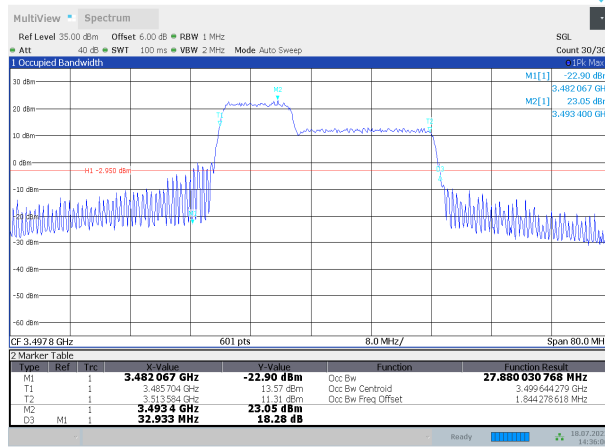
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42-42-10MHz-20MHz-64QAM-64QAM-42145-42289-50RB#0-100RB#0



14:39:46 18.07.2022

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



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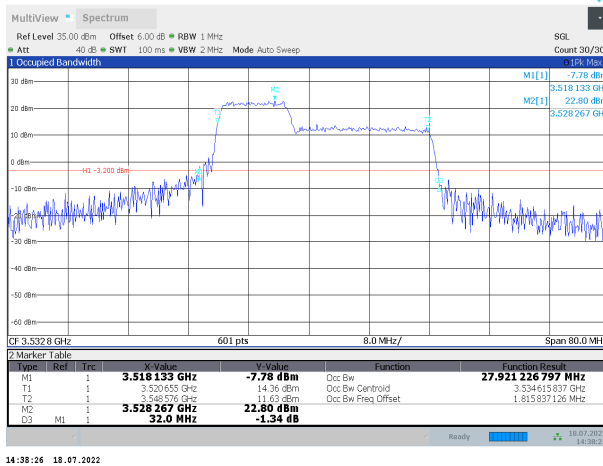


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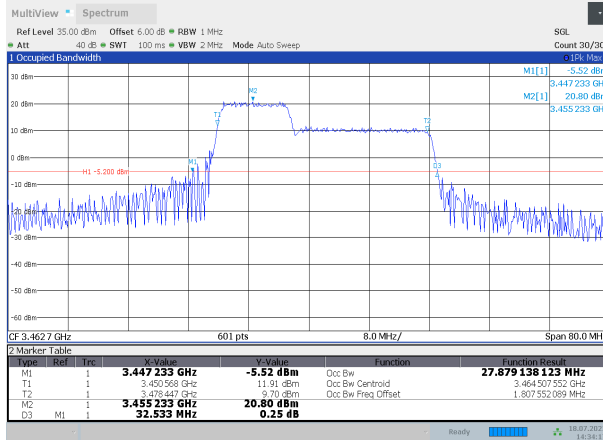
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42-42-10MHz-20MHz-64QAM-64QAM-42846-42990-50RB#0-100RB#0



14:38:26 18.07.2022

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



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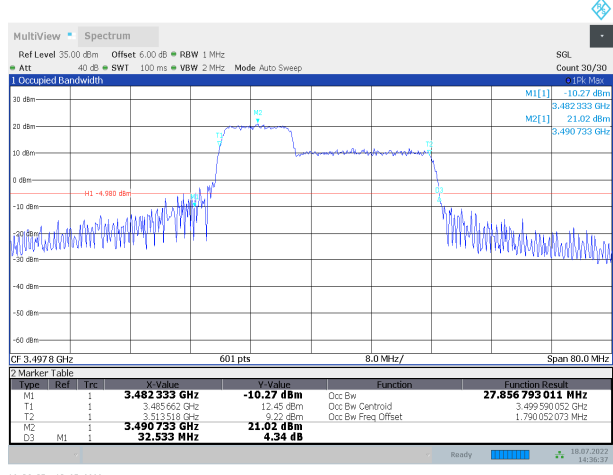


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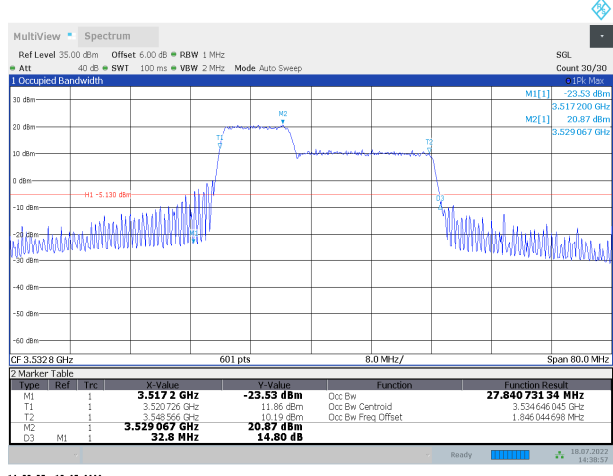
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14:36:37 18.07.2022

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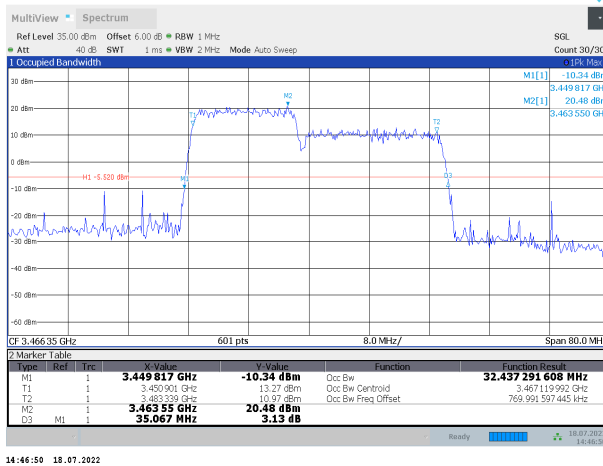


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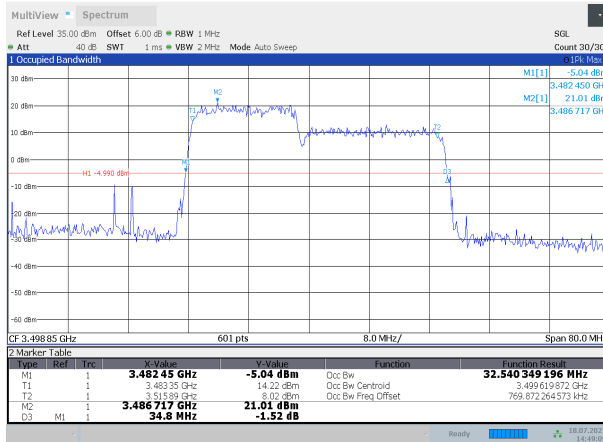
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0



14:46:50 18.07.2022

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



14:49:09 18.07.2022



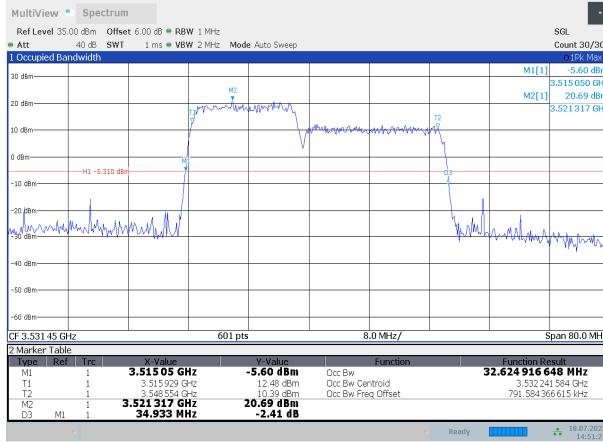
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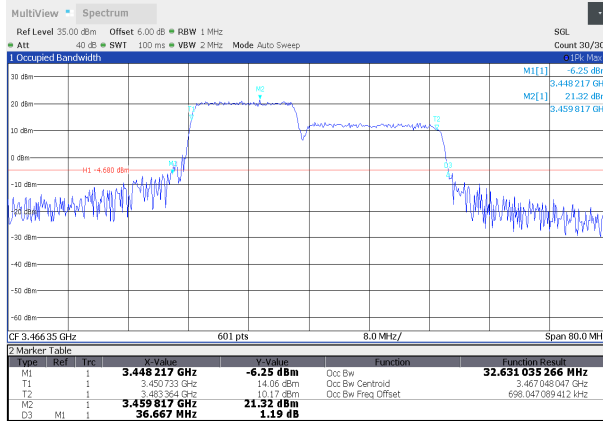


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14:51:27 18.07.2022

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14:47:21 18.07.2022

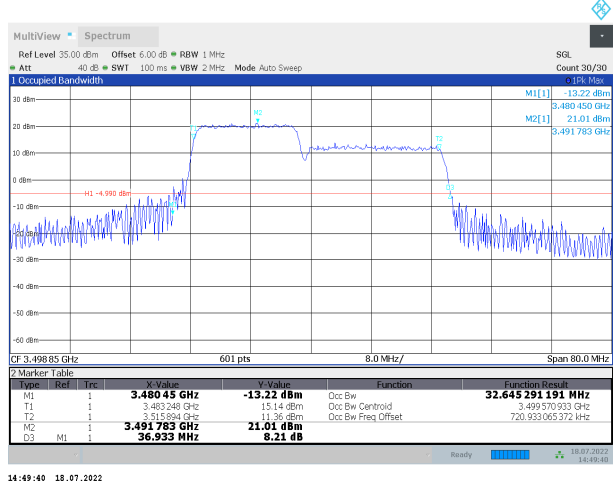


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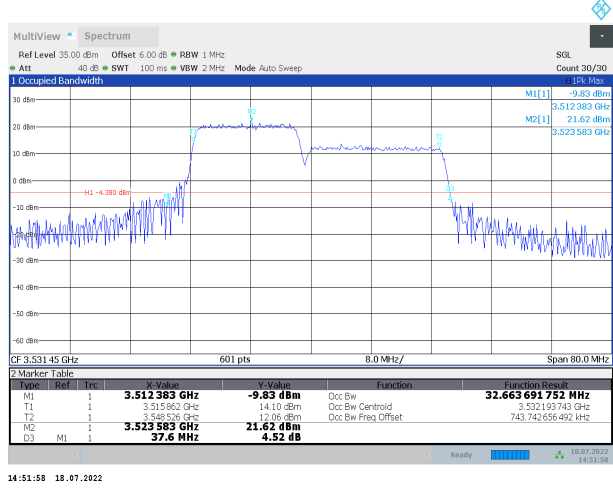
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42-42-15MHz-20MHz-16QAM-16QAM-42493-42664-75RB#0-100RB#0



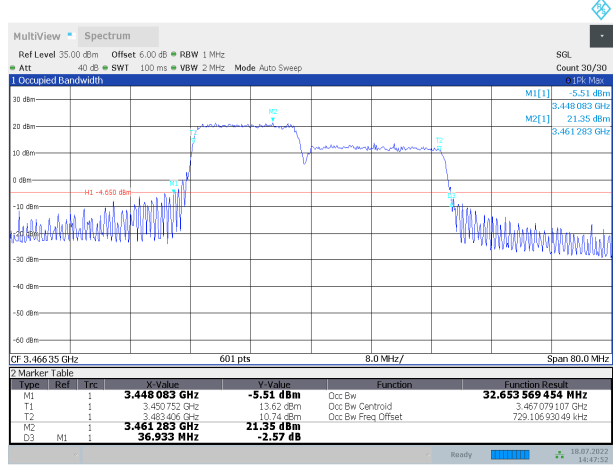
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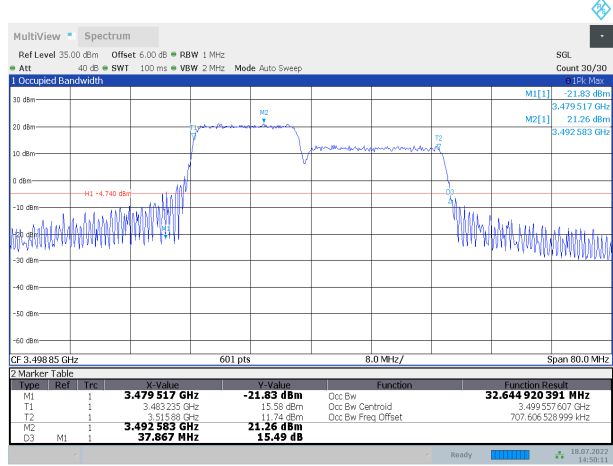
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42-42-15MHz-20MHz-64QAM-64QAM-42168-42339-75RB#0-100RB#0



14:47:52 18.07.2022

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14:50:11 18.07.2022

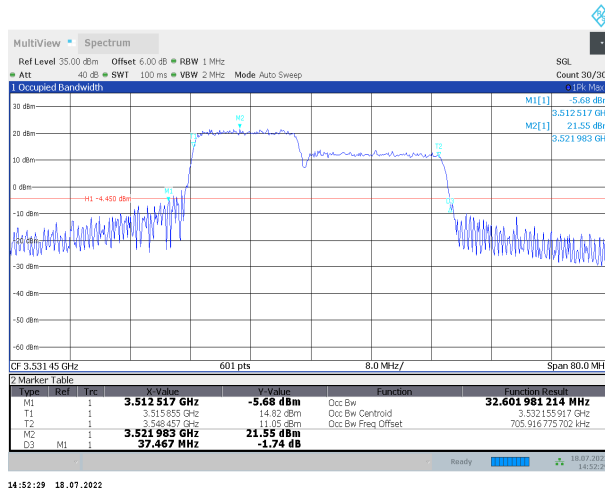


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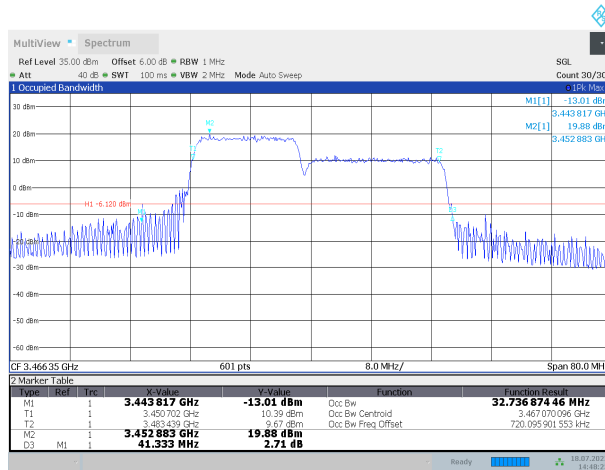
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42-42-15MHz-20MHz-64QAM-64QAM-42819-42990-75RB#0-100RB#0



14:52:29 18.07.2022

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14:48:23 18.07.2022

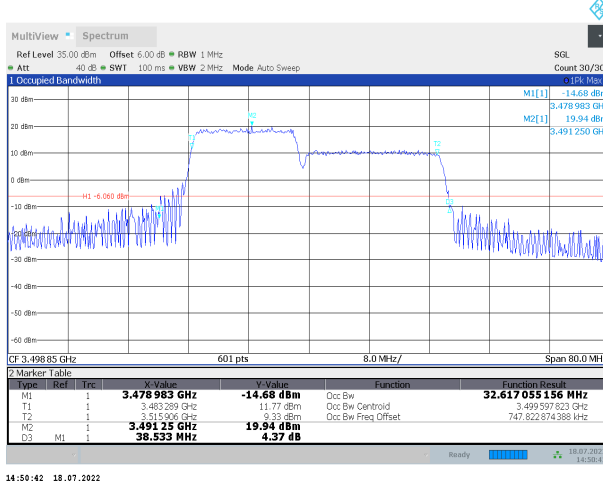


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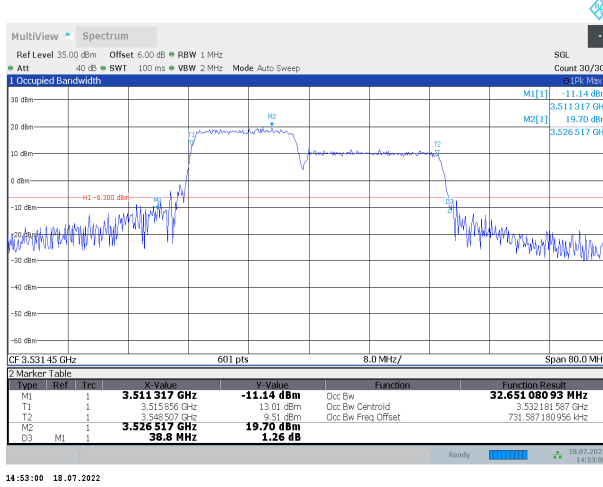
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42-42-15MHz-20MHz-256QAM-256QAM-42493-42664-75RB#0-100RB#0



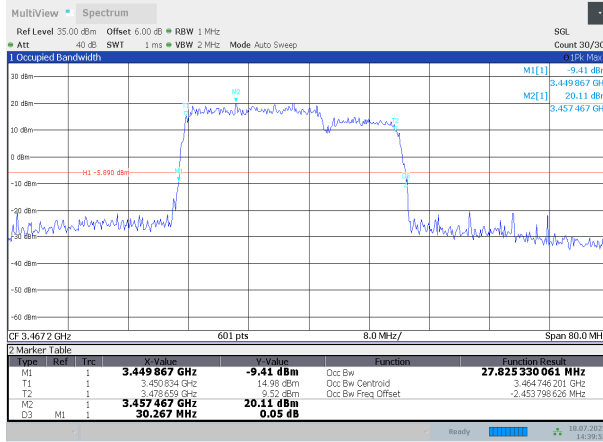
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



14:39:53 18.07.2022

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



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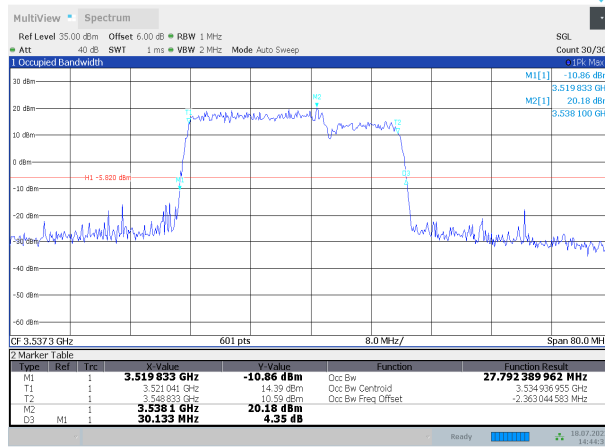


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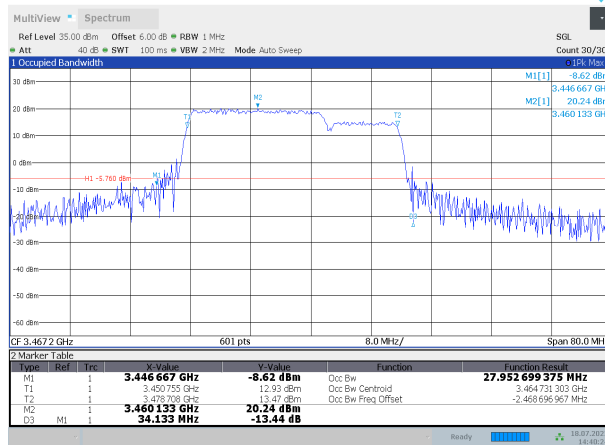
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42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



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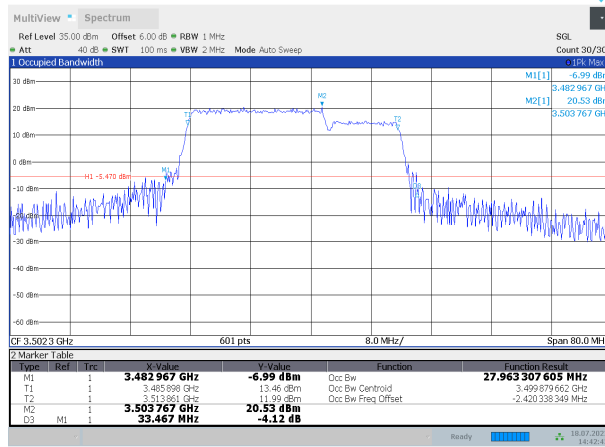


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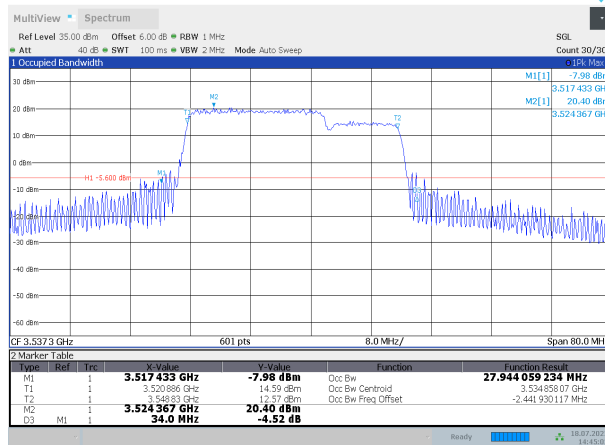
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42-42-20MHz-10MHz-16QAM-16QAM-42541-42685-100RB#0-50RB#0



14:42:43 18.07.2022

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



14:45:03 18.07.2022



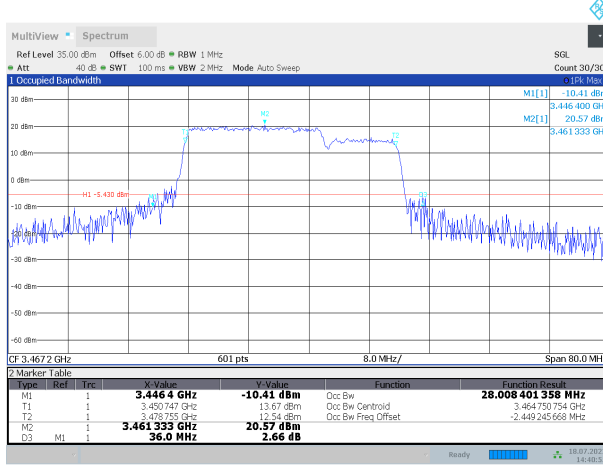
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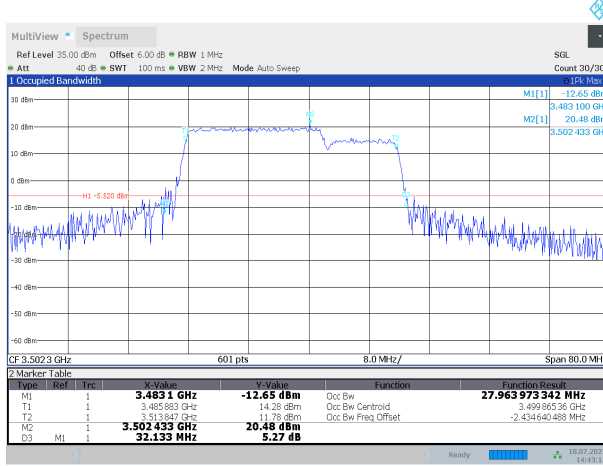


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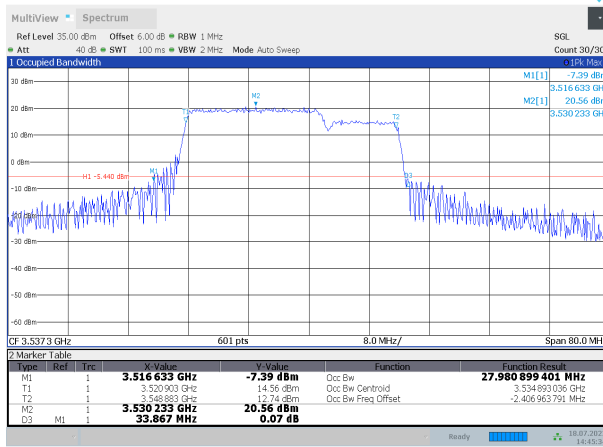


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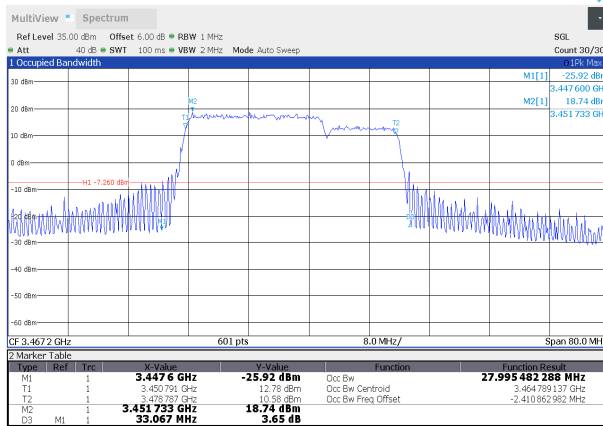
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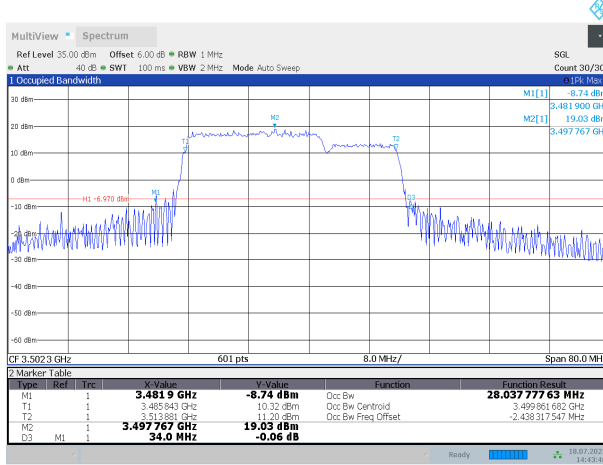


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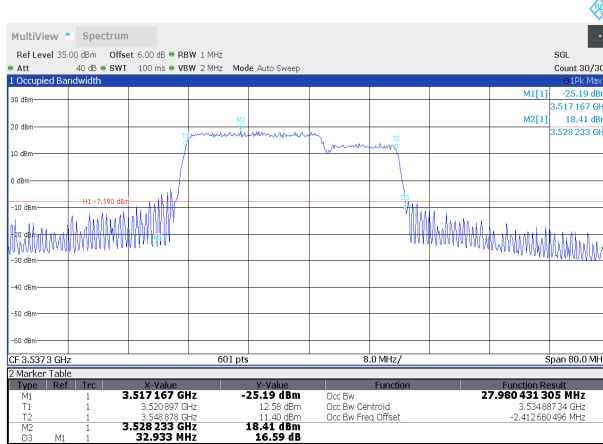
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42-42-20MHz-10MHz-256QAM-256QAM-42541-42685-100RB#0-50RB#0



14:43:46 18.07.2022

42-42-20MHz-10MHz-256QAM-256QAM-42891-43035-100RB#0-50RB#0



14:46:05 18.07.2022

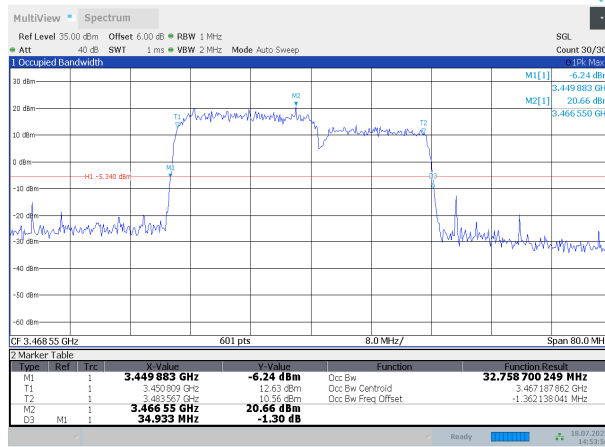


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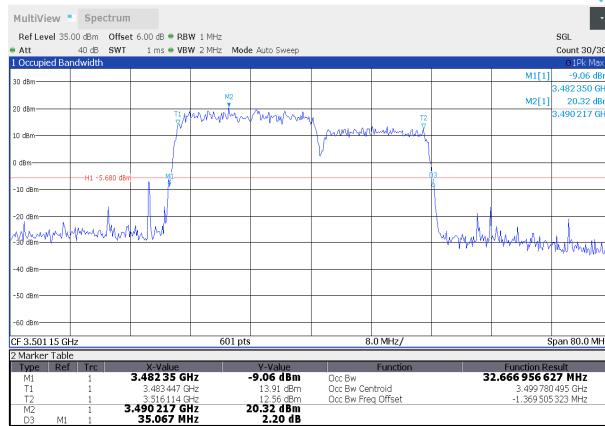
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



14:53:56 18.07.2022

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



14:56:14 18.07.2022

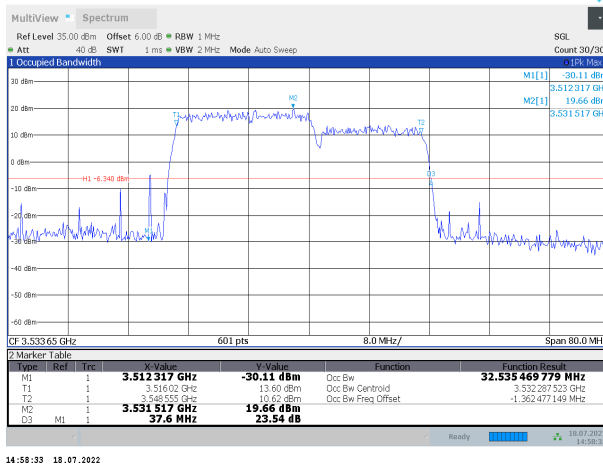


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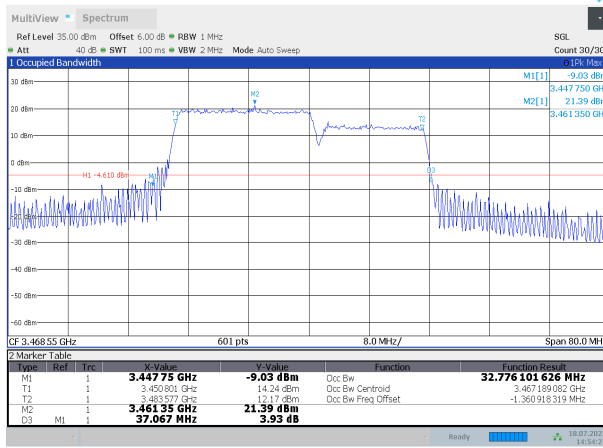
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



14:58:33 18.07.2022

42-42-20MHz-15MHz-16QAM-16QAM-42190-42361-100RB#0-75RB#0



14:54:27 18.07.2022

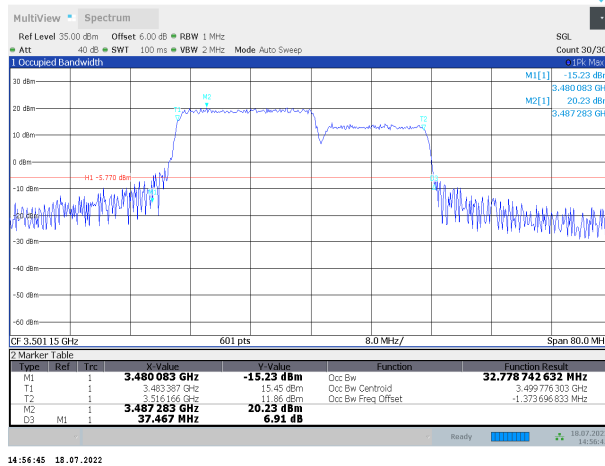


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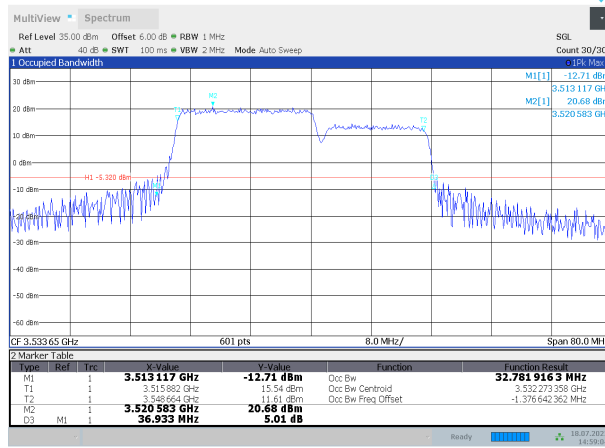
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42-42-20MHz-15MHz-16QAM-16QAM-42516-42687-100RB#0-75RB#0



14:56:45 18.07.2022

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14:59:04 18.07.2022

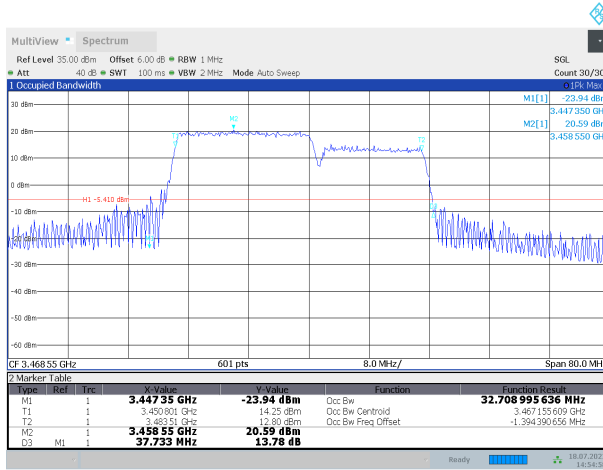


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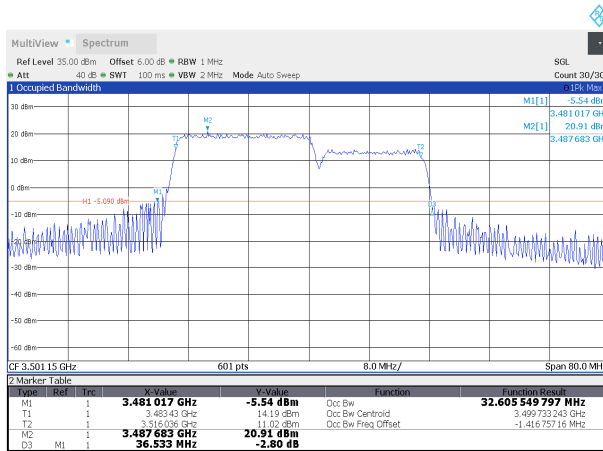
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42-42-20MHz-15MHz-64QAM-64QAM-42190-42361-100RB#0-75RB#0



14:54:58 18.07.2022

42-42-20MHz-15MHz-64QAM-64QAM-42516-42687-100RB#0-75RB#0



14:57:17 18.07.2022

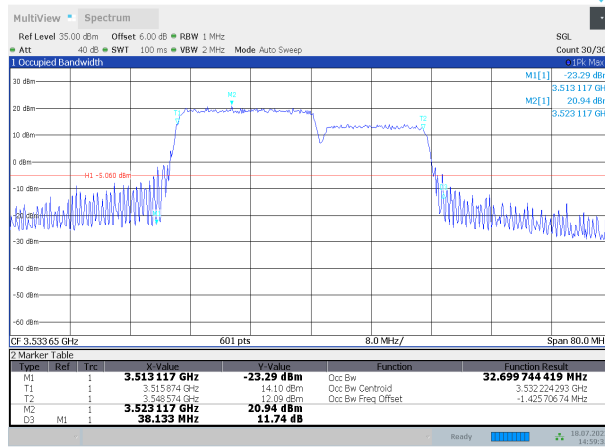


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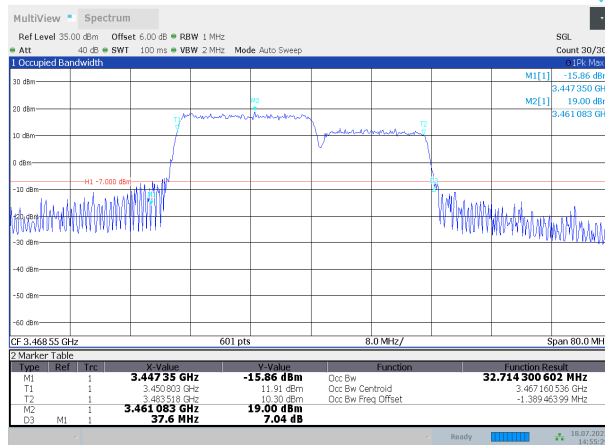
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42-42-20MHz-15MHz-64QAM-64QAM-42841-43012-100RB#0-75RB#0



14:59:35 18.07.2022

42-42-20MHz-15MHz-256QAM-256QAM-42190-42361-100RB#0-75RB#0



14:55:29 18.07.2022



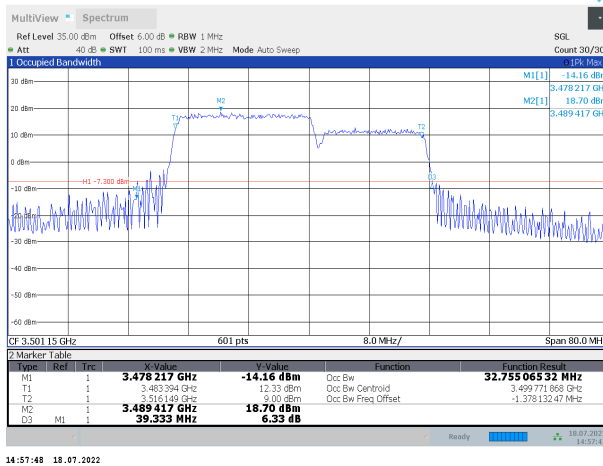
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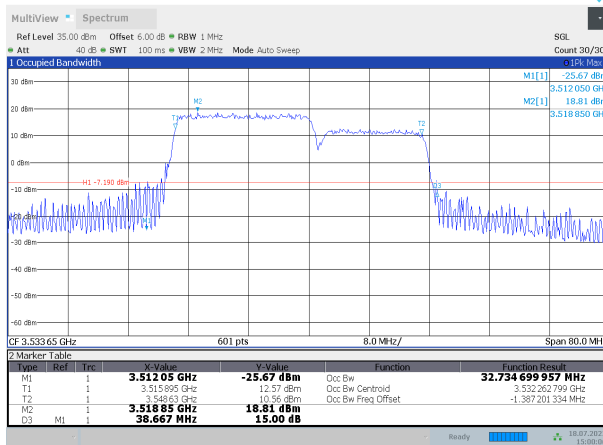


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15:00:06 18.07.2022

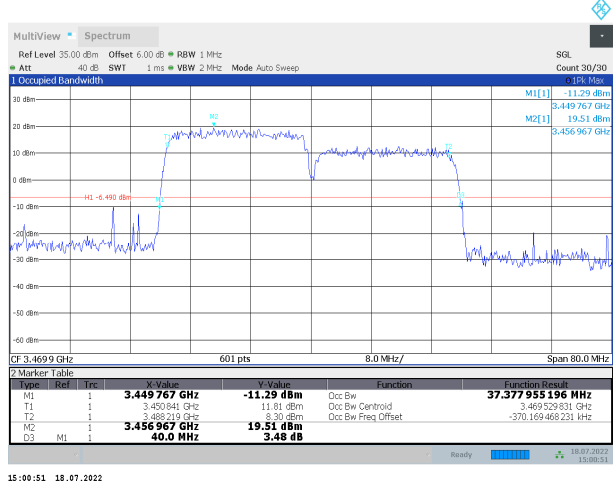


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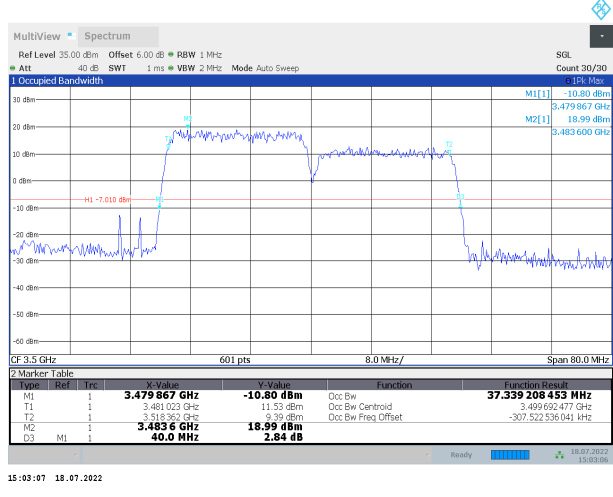
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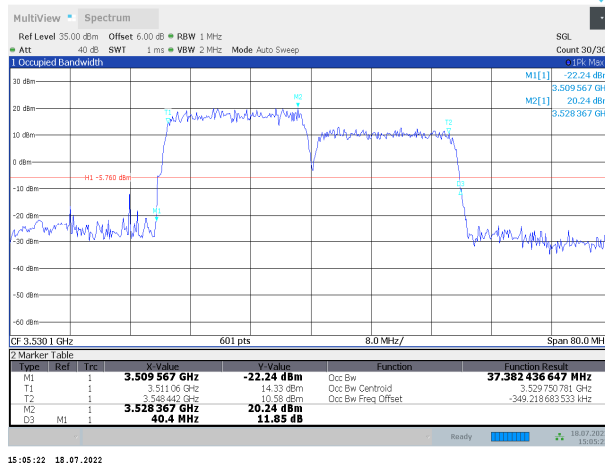
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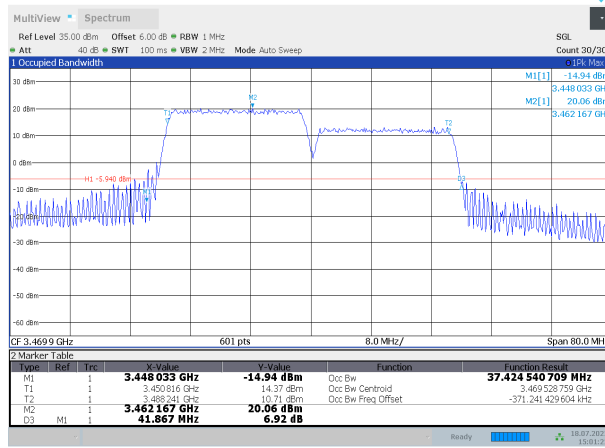
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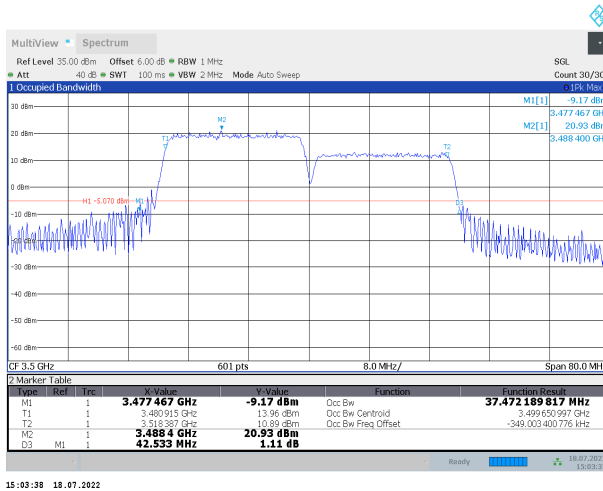


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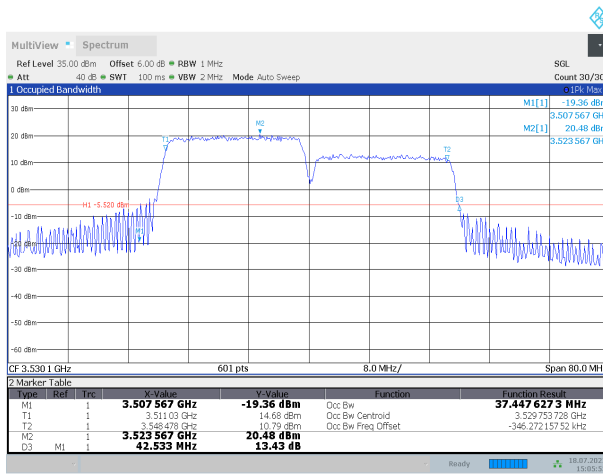
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15:05:53 18.07.2022

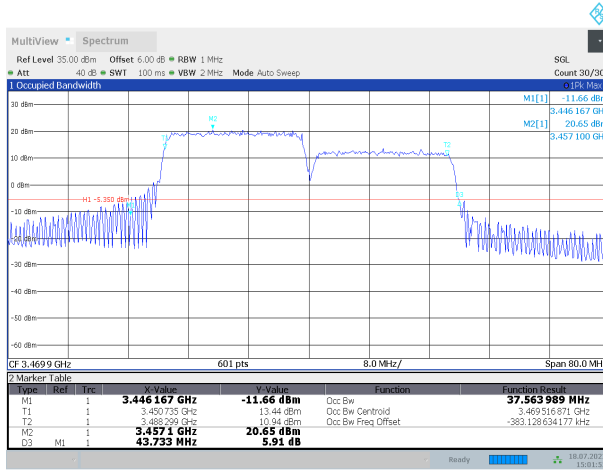


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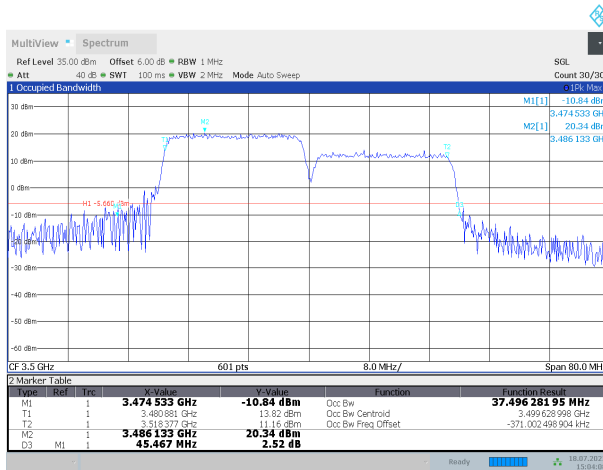
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42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



15:01:54 18.07.2022

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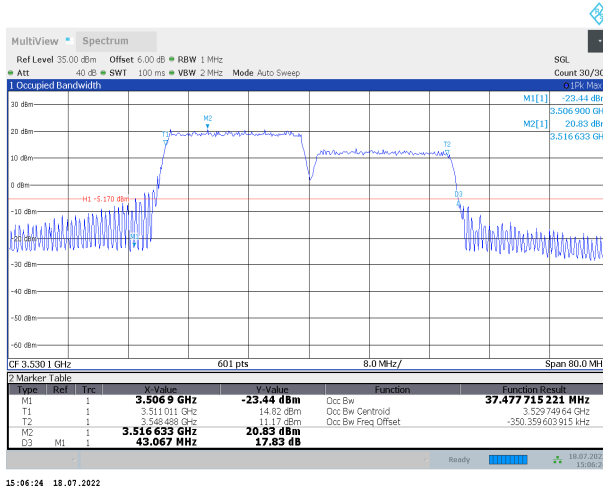


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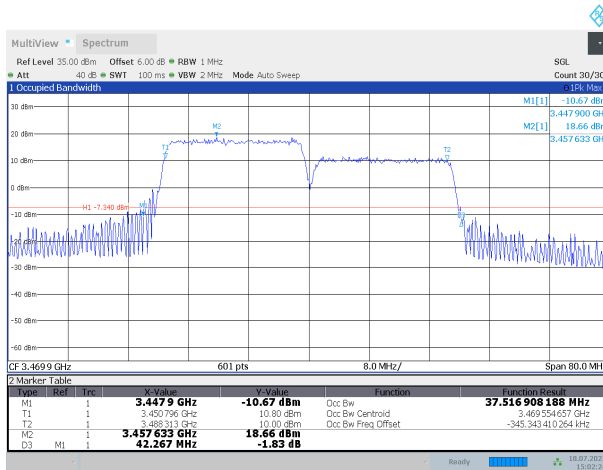
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42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



15:04:24 18.07.2022

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



15:02:25 18.07.2022

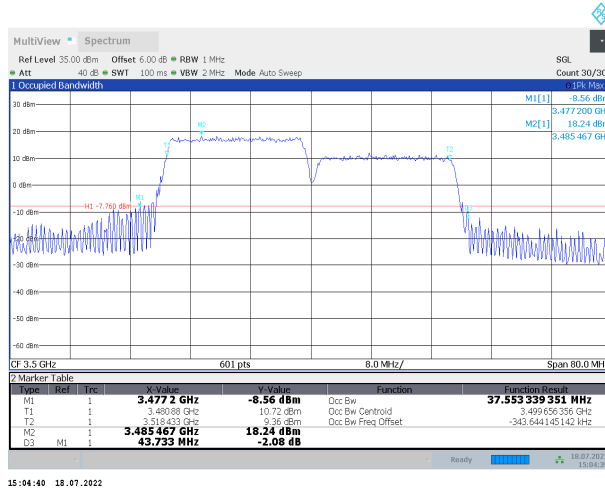


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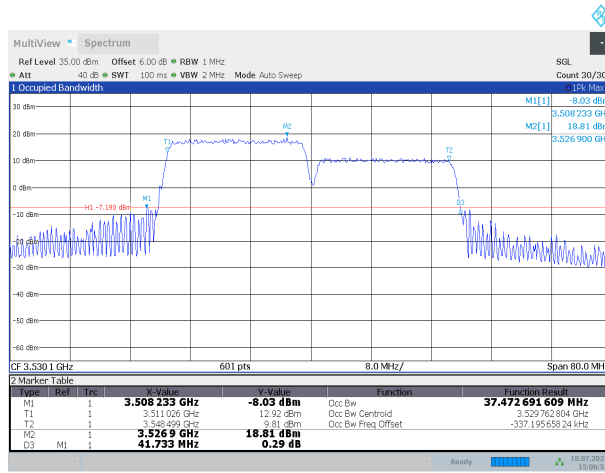
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42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



15:04:40 18.07.2022

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



15:06:55 18.07.2022

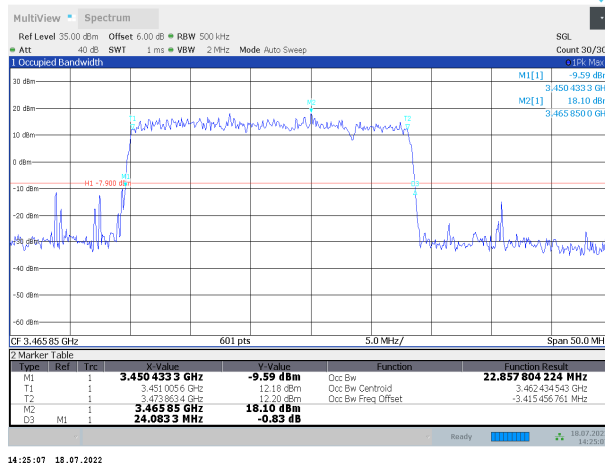


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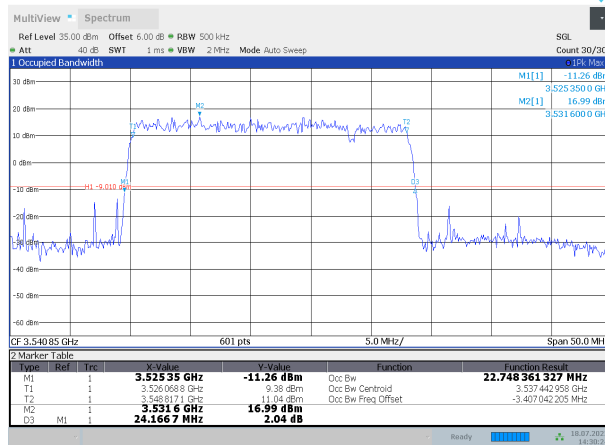
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42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0



14:25:07 18.07.2022

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



14:30:24 18.07.2022



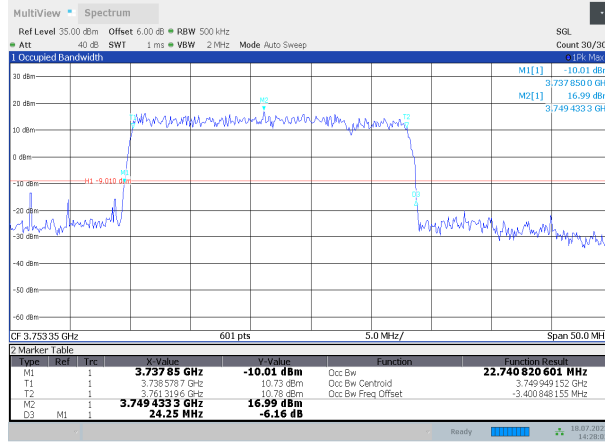
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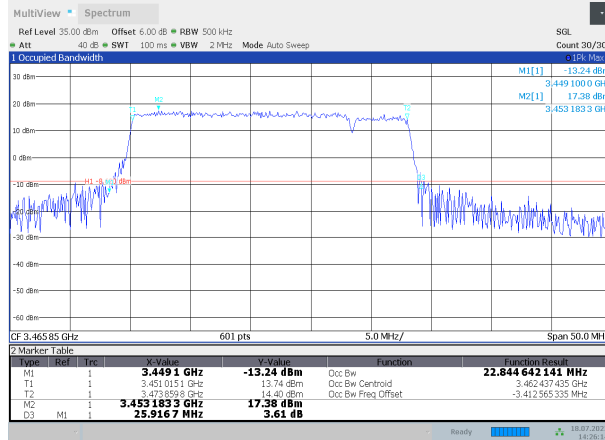


42-42-20MHz-5MHz-QPSK-QPSK-45065-45182-100RB#0-25RB#0



14:28:02 18.07.2022

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



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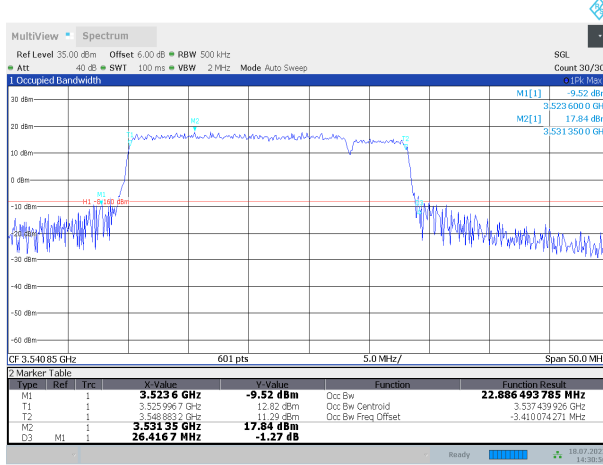


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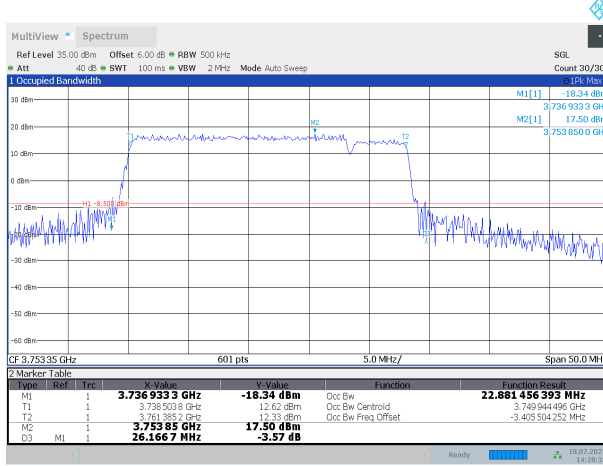
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42-42-20MHz-5MHz-16QAM-16QAM-42940-43057-100RB#0-25RB#0



14:30:56 18.07.2022

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



14:28:33 18.07.2022

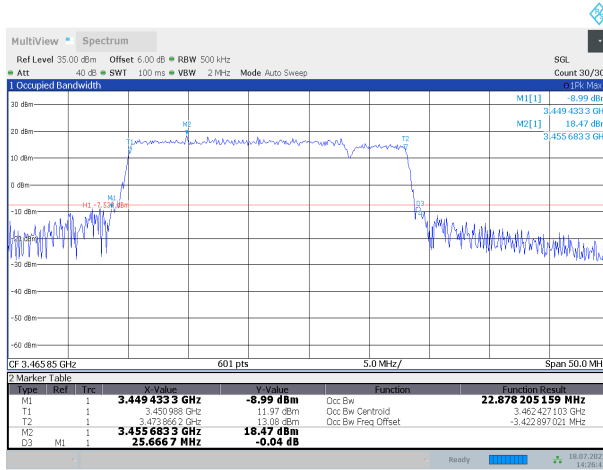


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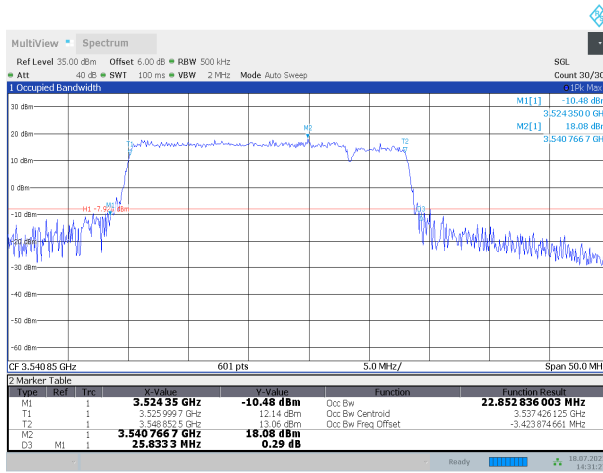
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42-42-20MHz-5MHz-64QAM-64QAM-42190-42307-100RB#0-25RB#0



14:26:45 18.07.2022

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



14:31:27 18.07.2022

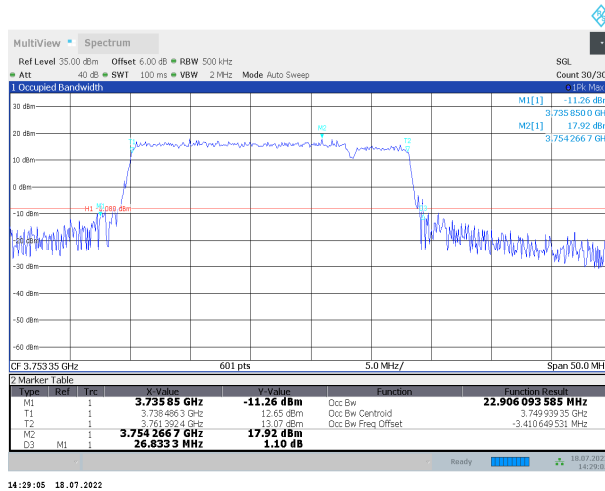


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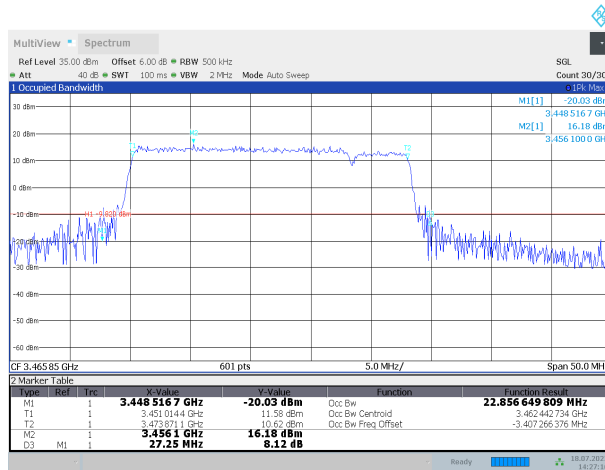
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42-42-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



14:29:05 18.07.2022

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14:27:16 18.07.2022

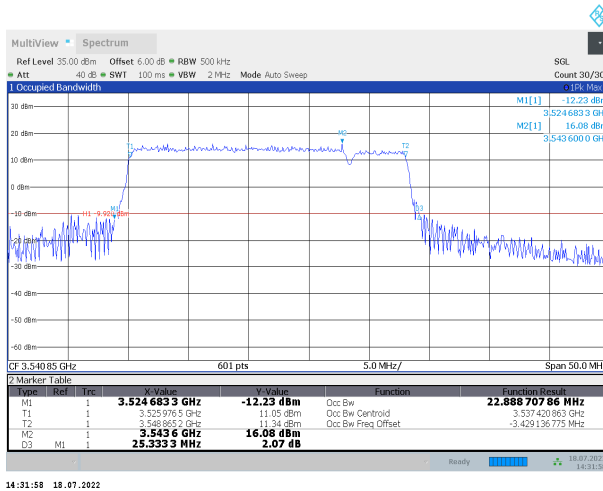


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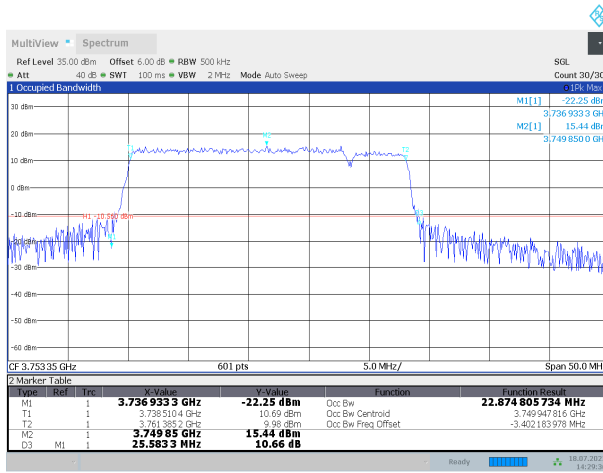
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42-42-20MHz-5MHz-256QAM-256QAM-42940-43057-100RB#0-25RB#0



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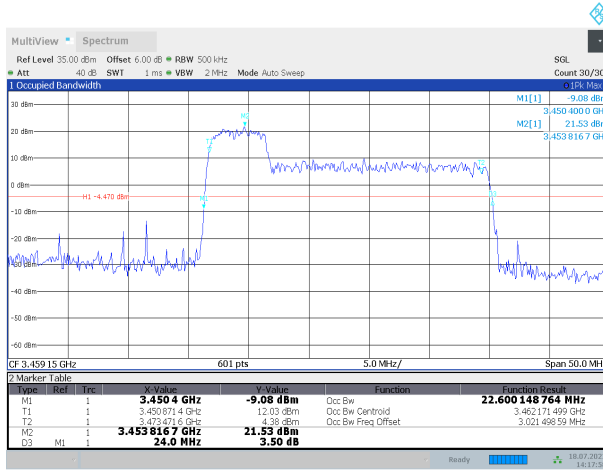


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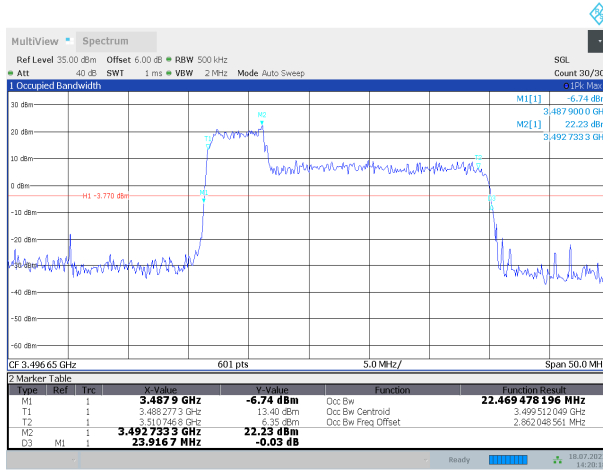
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



14:17:59 18.07.2022

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



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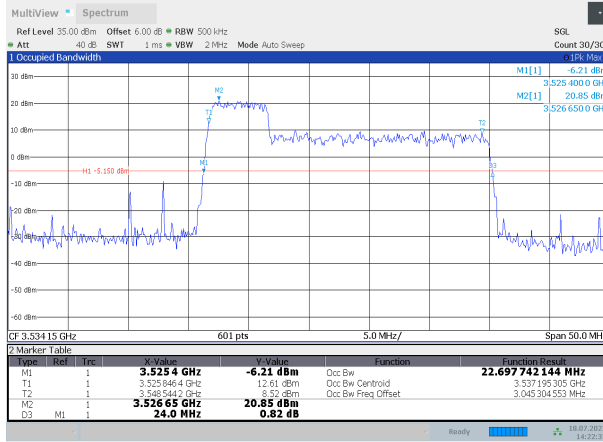


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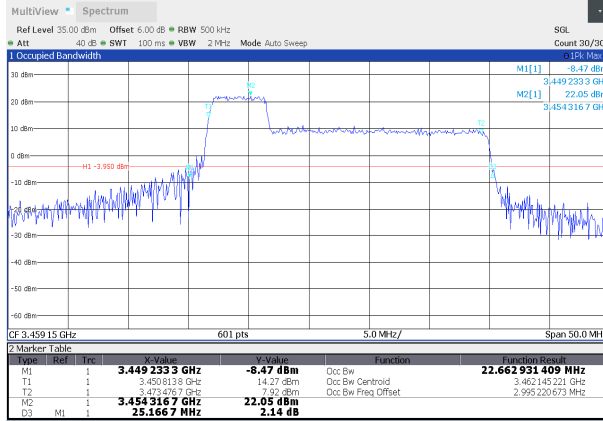
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42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



14:22:37 18.07.2022

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14:18:30 18.07.2022

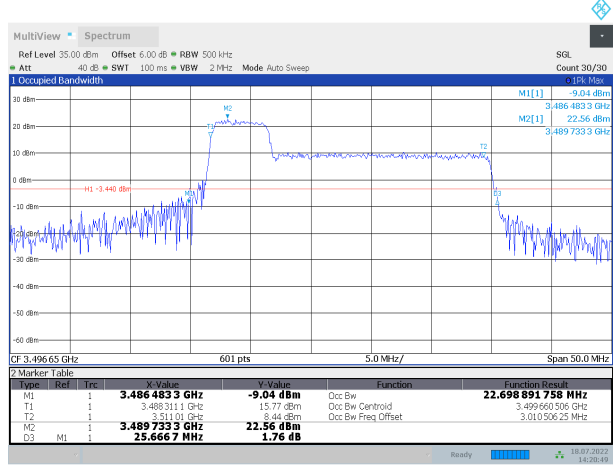


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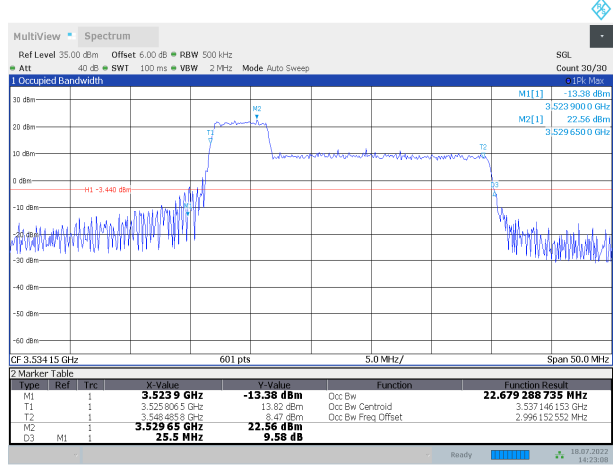
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42-42-5MHz-20MHz-16QAM-16QAM-42498-42615-25RB#0-100RB#0



14:20:49 18.07.2022

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14:23:09 18.07.2022



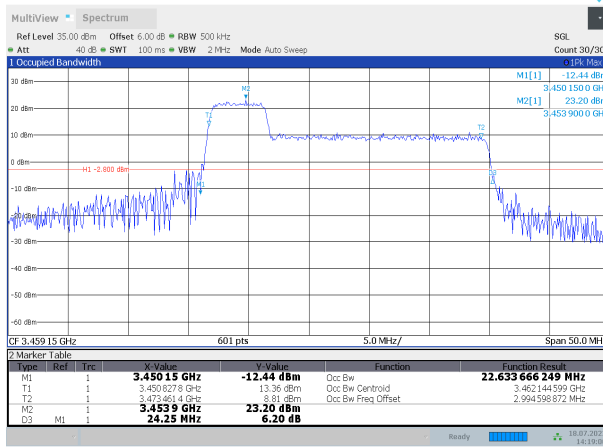
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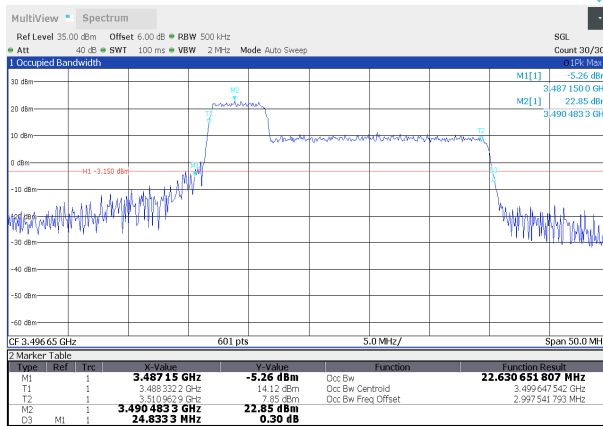


42-42-5MHz-20MHz-64QAM-64QAM-42123-42240-25RB#0-100RB#0



14:19:01 18.07.2022

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



14:21:20 18.07.2022

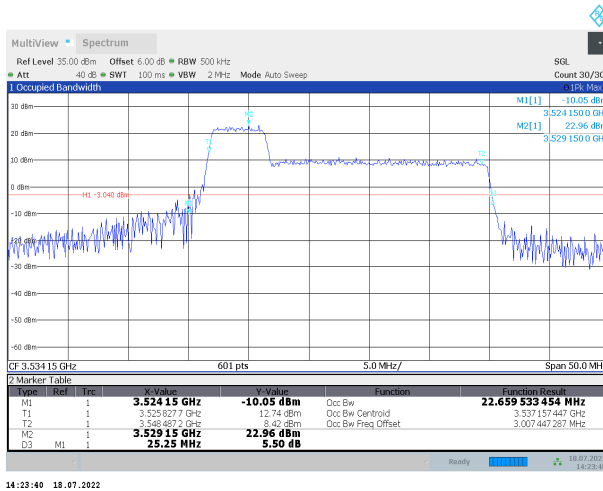


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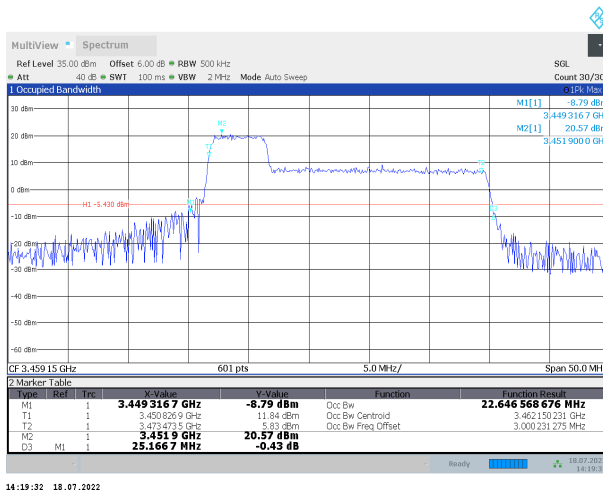
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42-42-5MHz-20MHz-64QAM-64QAM-42873-42990-25RB#0-100RB#0



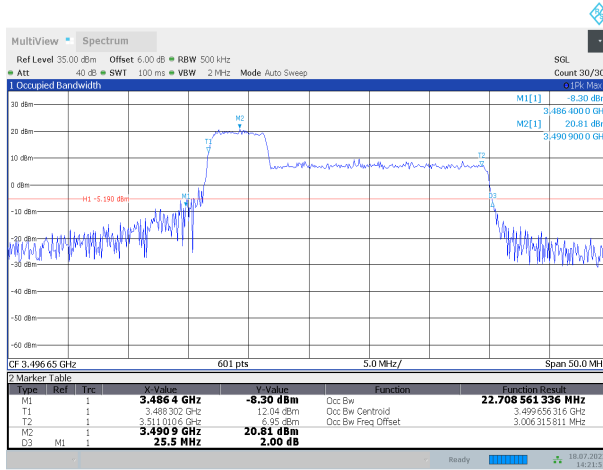
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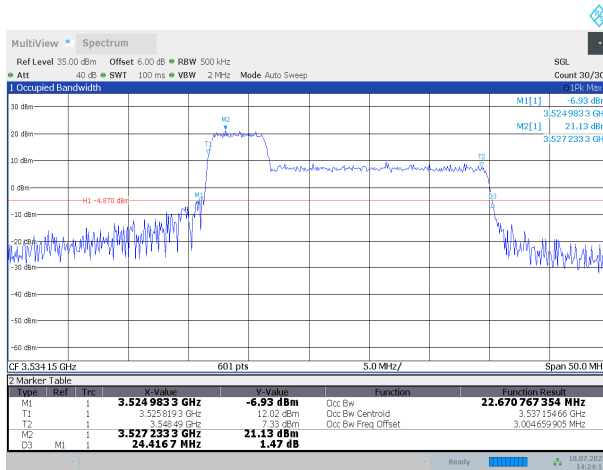
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42-42-5MHz-20MHz-256QAM-256QAM-42498-42615-25RB#0-100RB#0



14:21:51 18.07.2022

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



14:24:11 18.07.2022



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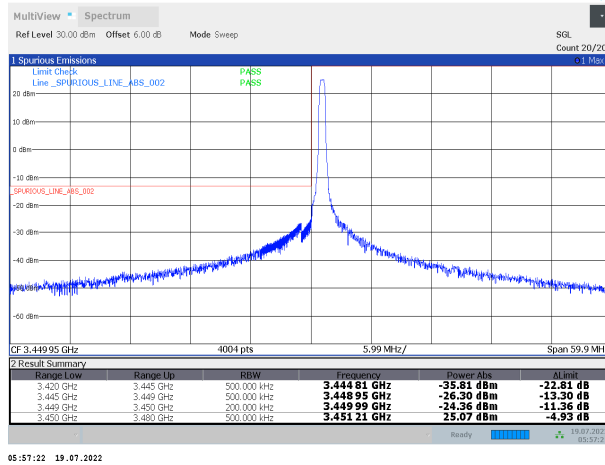
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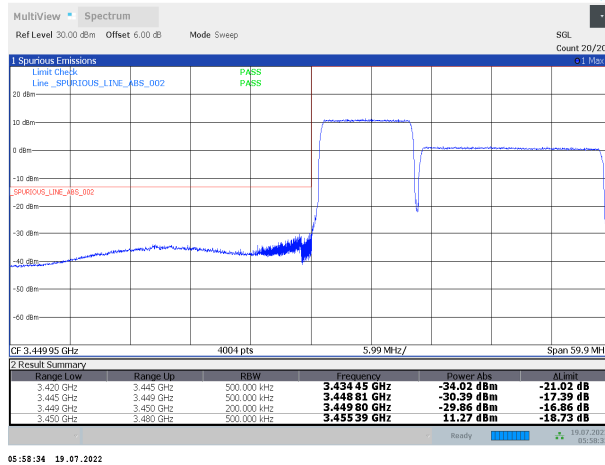
## Band Edge

## 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

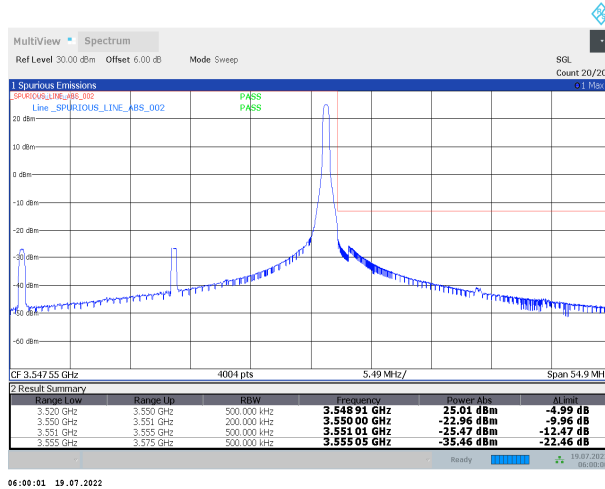


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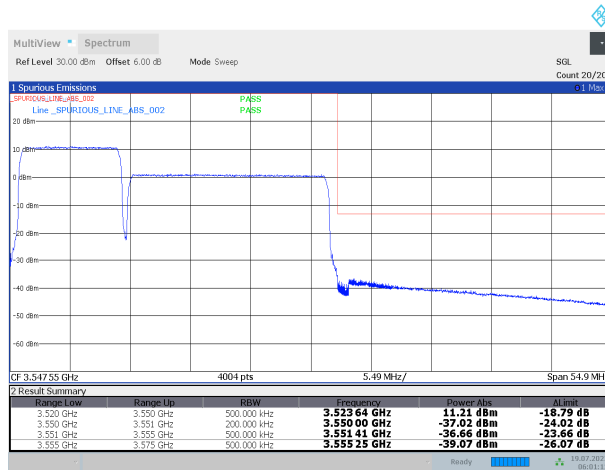
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42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-0RB#0-1RB#99



06:00:01 19.07.2022

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



06:01:13 19.07.2022

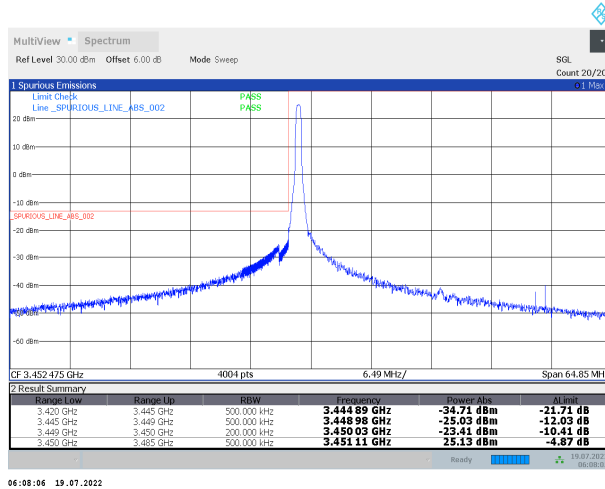


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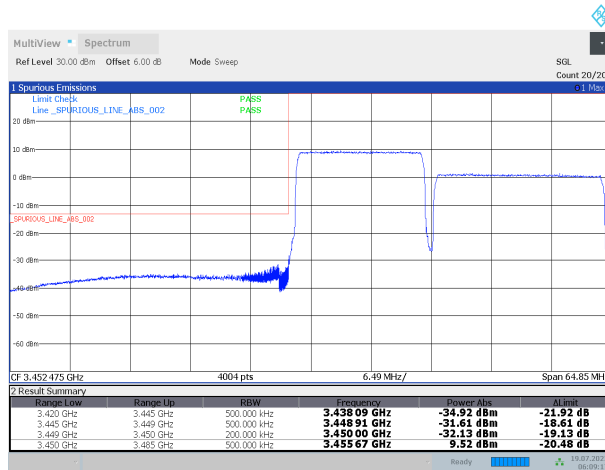
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42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-1RB#0-0RB#0



06:08:06 19. 07. 2022

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



06:09:18 19. 07. 2022

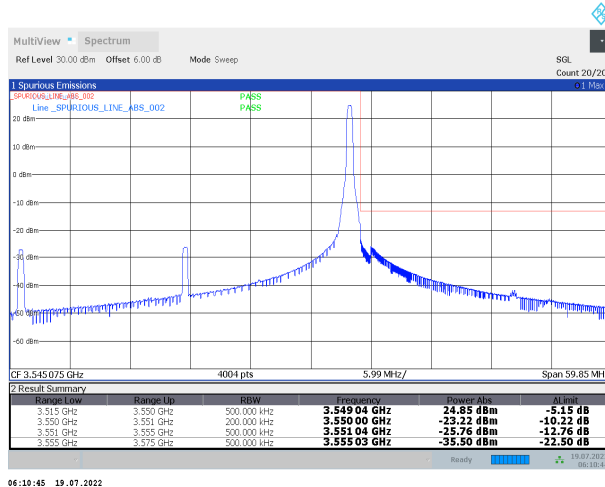


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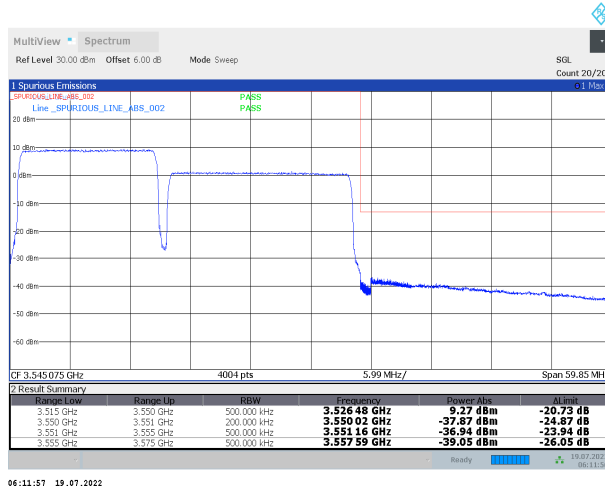
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42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-0RB#0-1RB#99



06:10:45 19. 07. 2022

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



06:11:57 19. 07. 2022

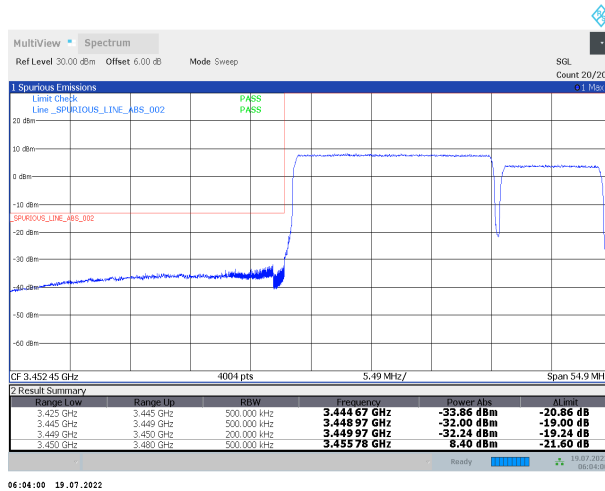


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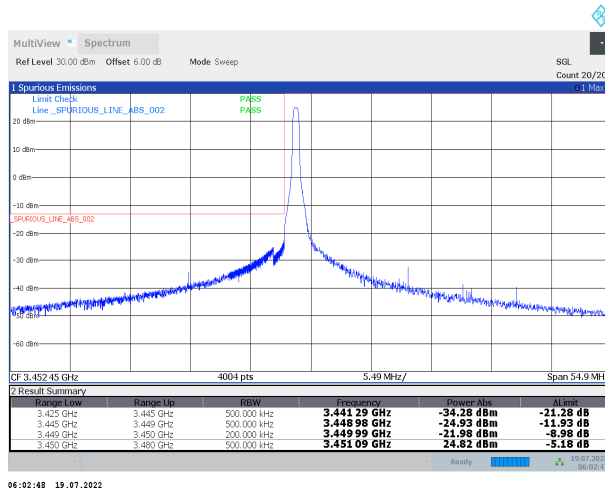
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42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



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



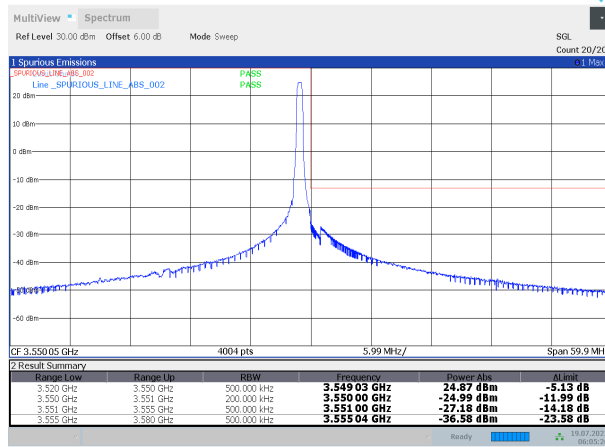
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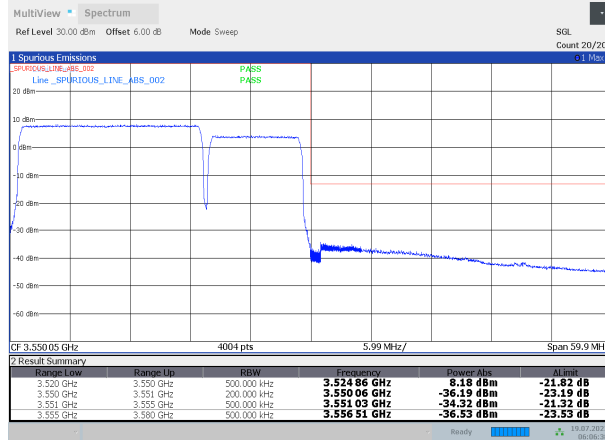


### 42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



06:05:27 19. 07. 2022

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06:06:39 19. 07. 2022



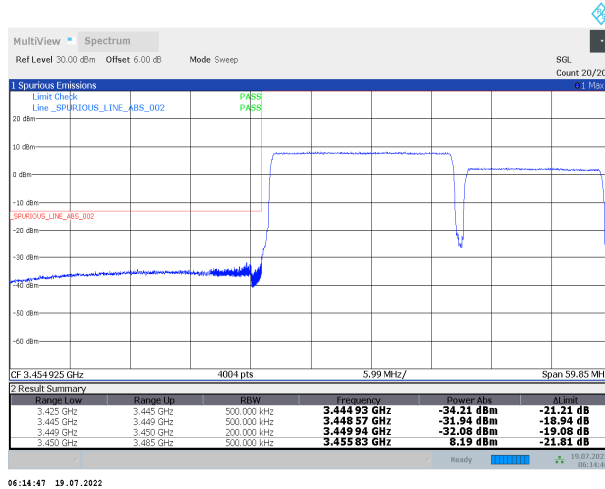
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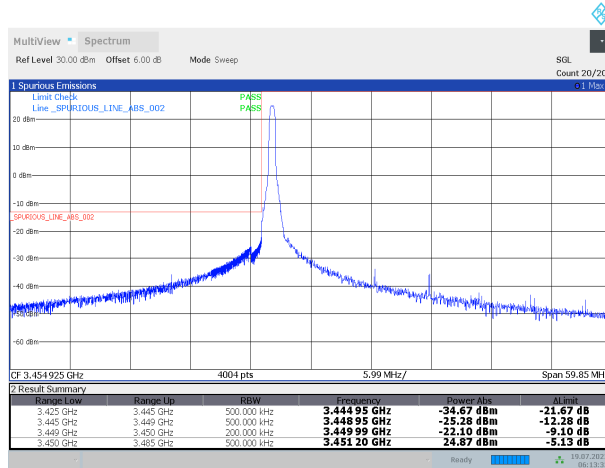
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42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



06:14:47 19. 07. 2022

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06:13:34 19. 07. 2022

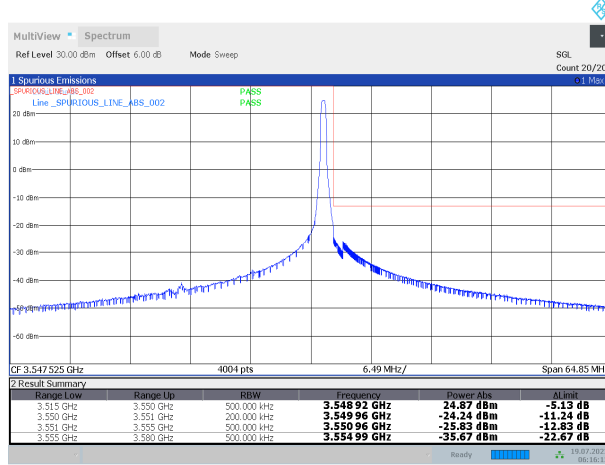


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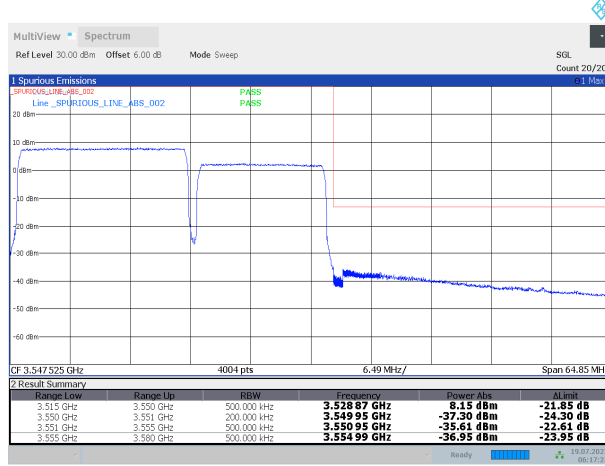
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42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-0RB#0-1RB#74



06:16:14 19. 07. 2022

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



06:17:26 19. 07. 2022

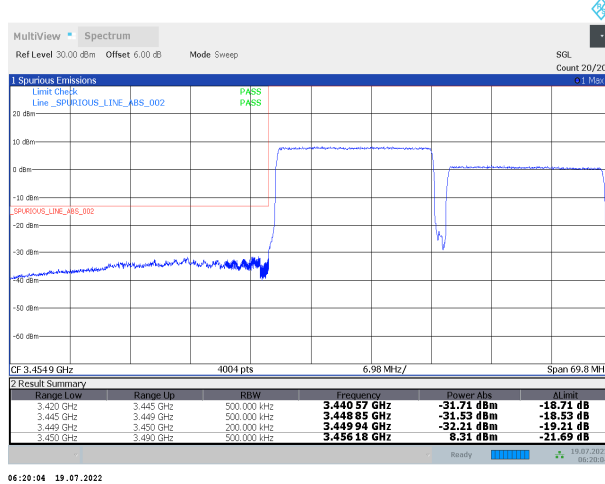


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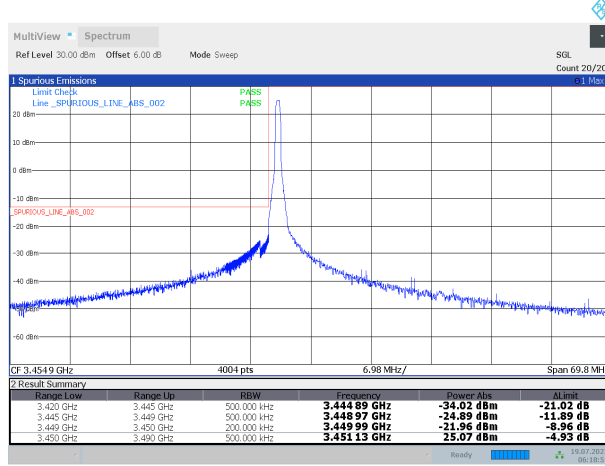
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42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



06:20:04 19.07.2022

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



06:18:52 19.07.2022

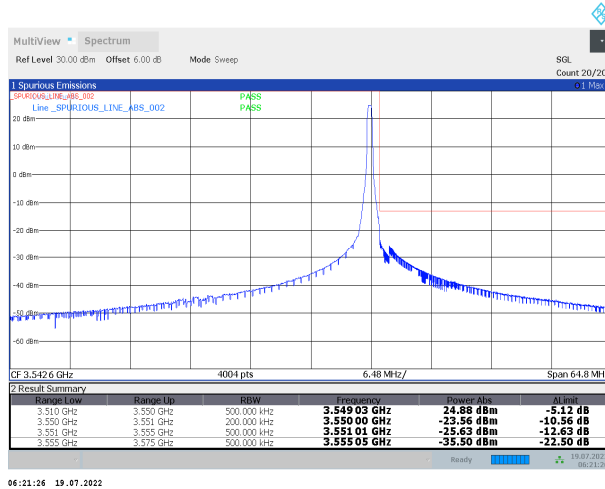


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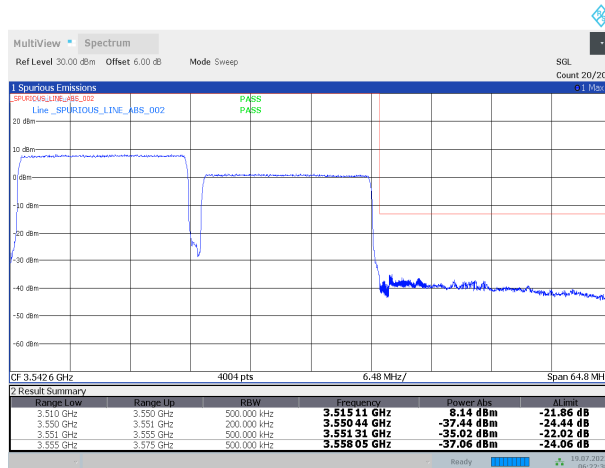
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42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-0RB#0-1RB#99



06:21:26 19. 07. 2022

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



06:22:38 19. 07. 2022

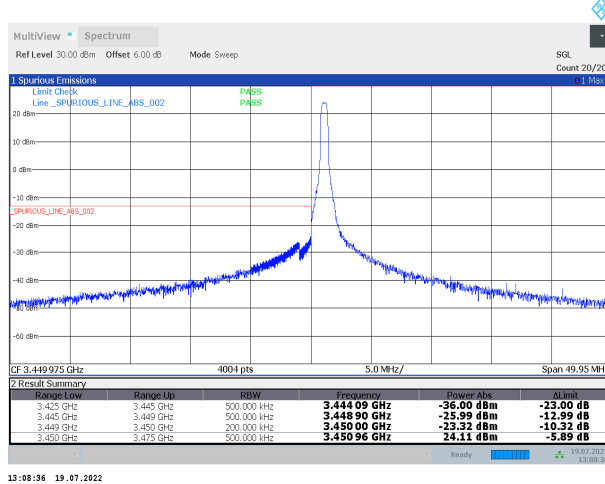


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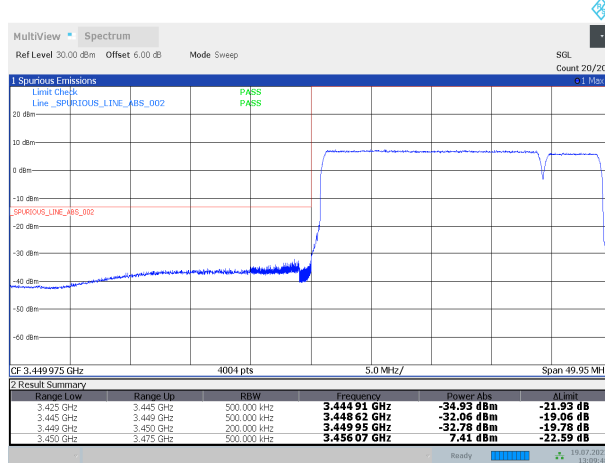
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42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-1RB#0-0RB#0



13:08:36 19.07.2022

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



13:09:48 19.07.2022

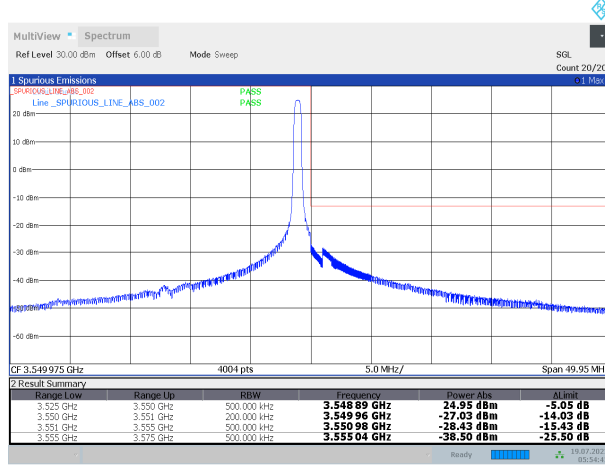


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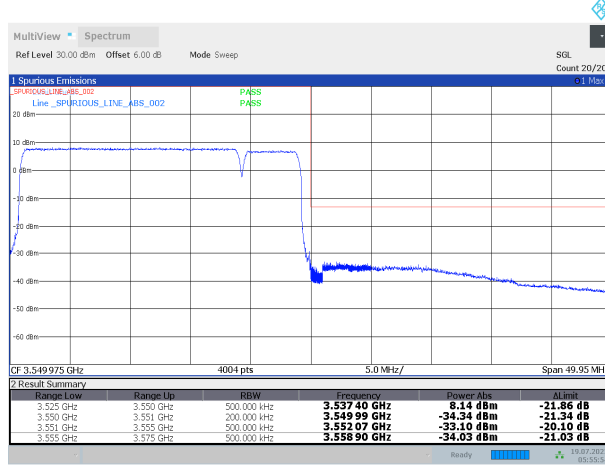
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### 42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-0RB#0-1RB#24



05:54:42 19. 07. 2022

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



05:55:55 19. 07. 2022

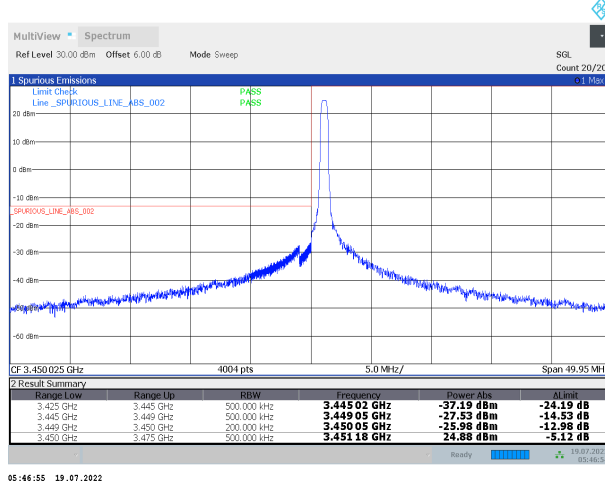


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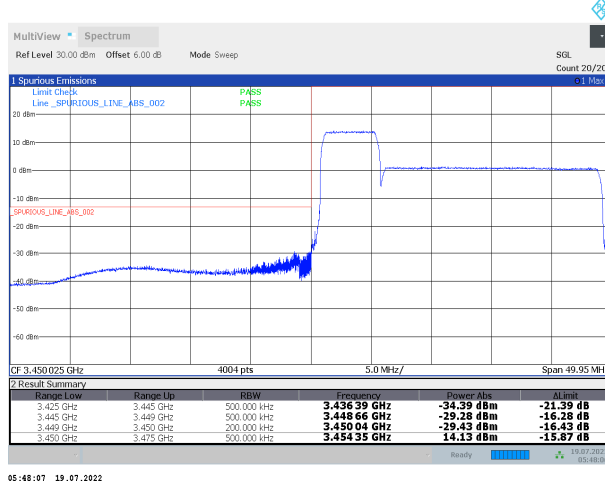
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42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-1RB#0-0RB#0



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

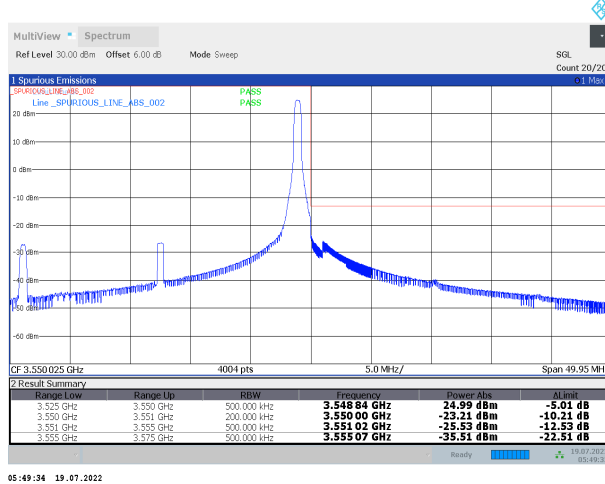


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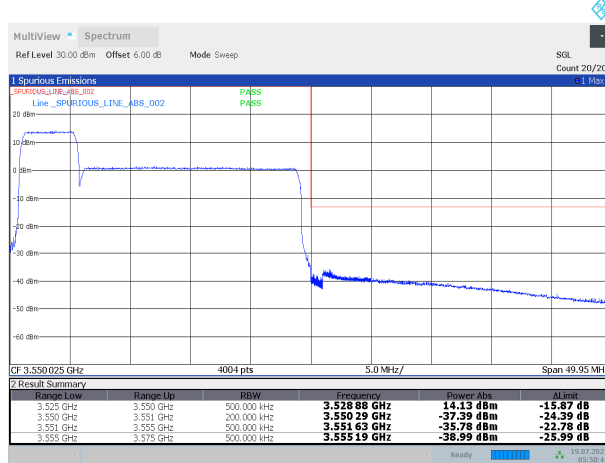


42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-0RB#0-1RB#99



05:49:34 19.07.2022

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



05:50:46 19.07.2022



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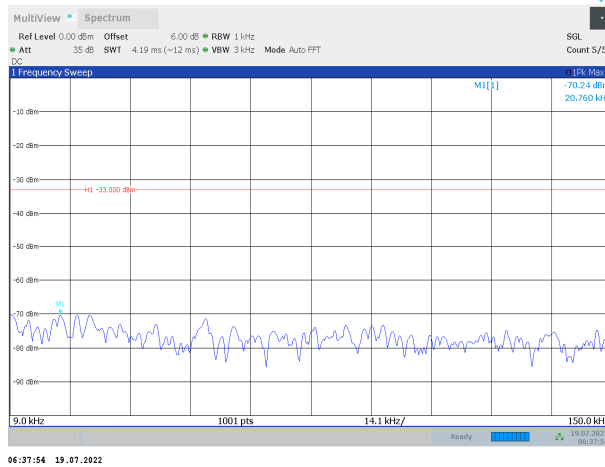
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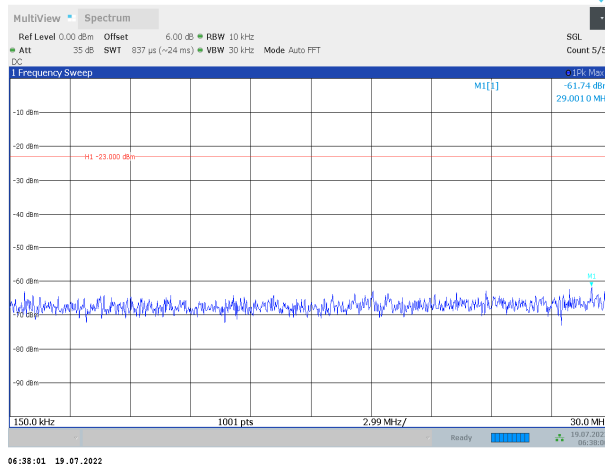
## Conducted Spurious Emission

### Test Graphs

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

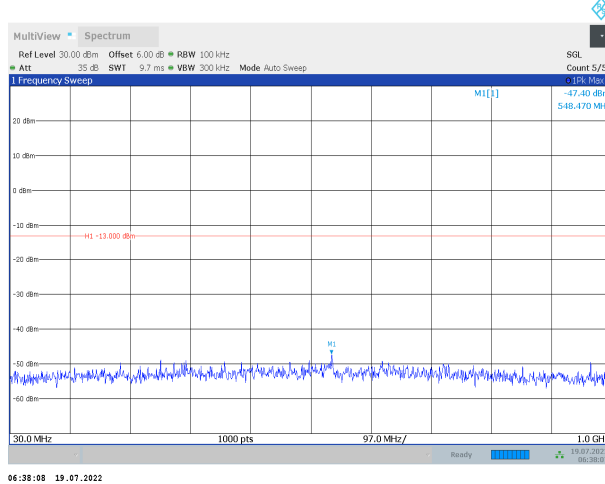


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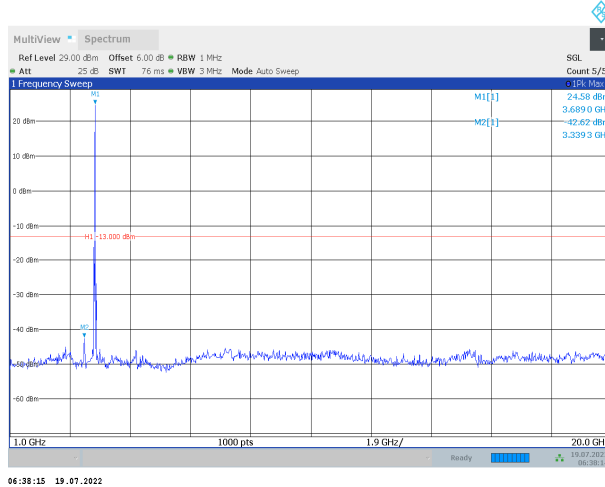


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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-30~1000MHz



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



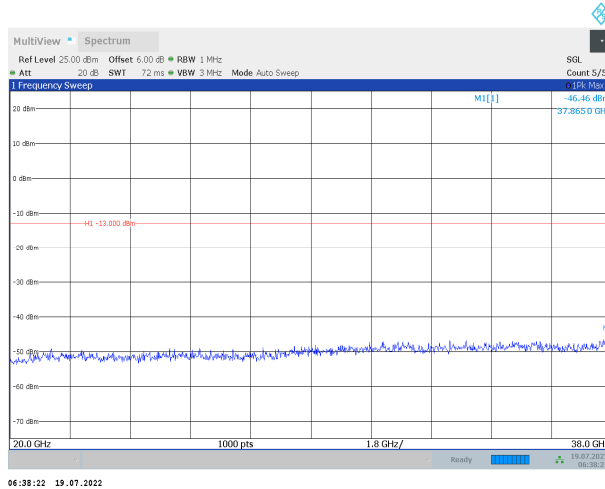
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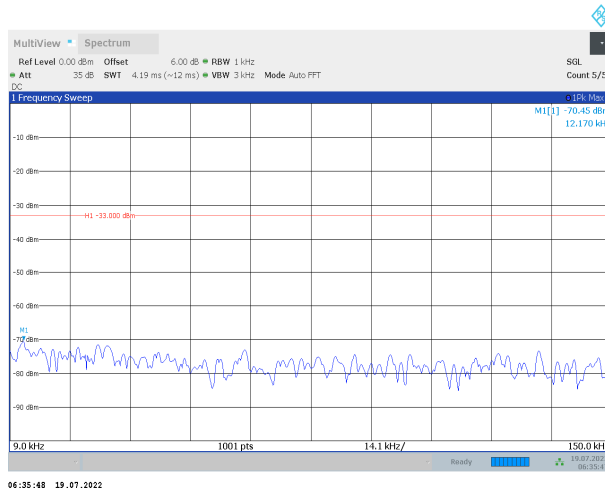
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42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-20000~38000MHz



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

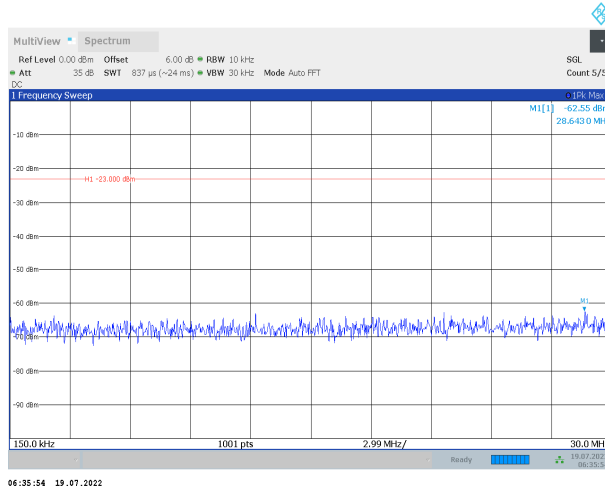


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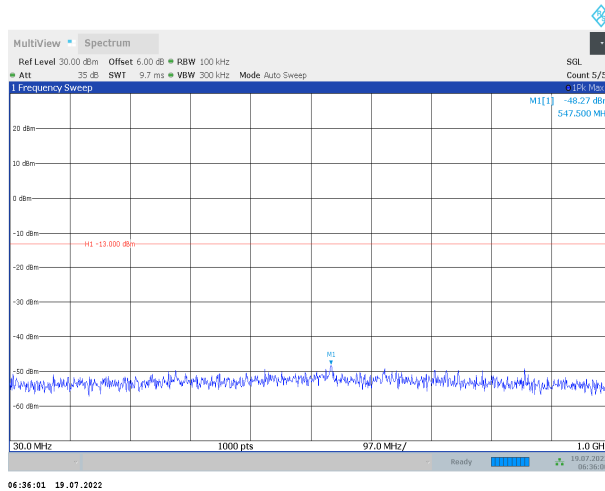
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.15~30MHz



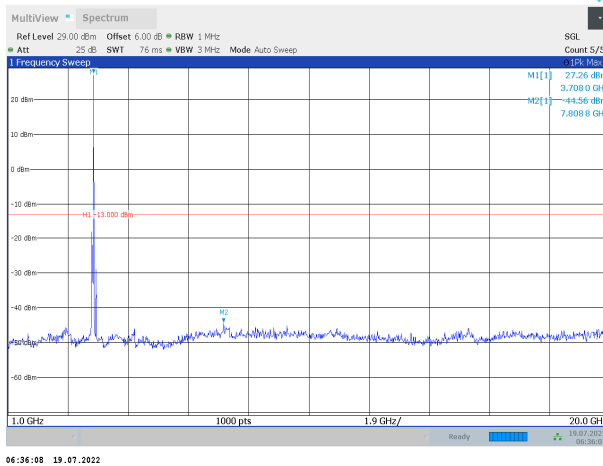
42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-30~1000MHz



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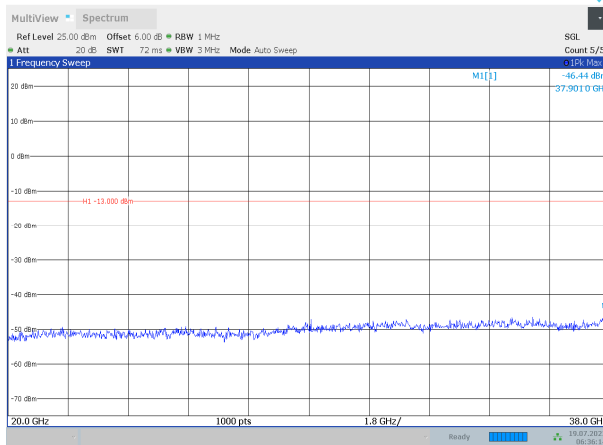
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42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-1000~20000MHz



06:36:08 19.07.2022

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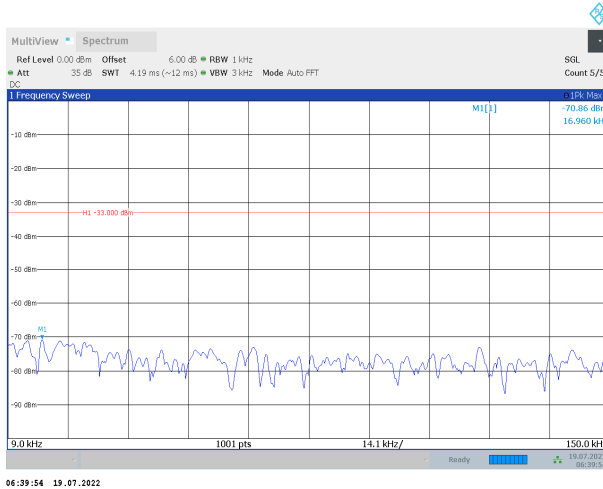


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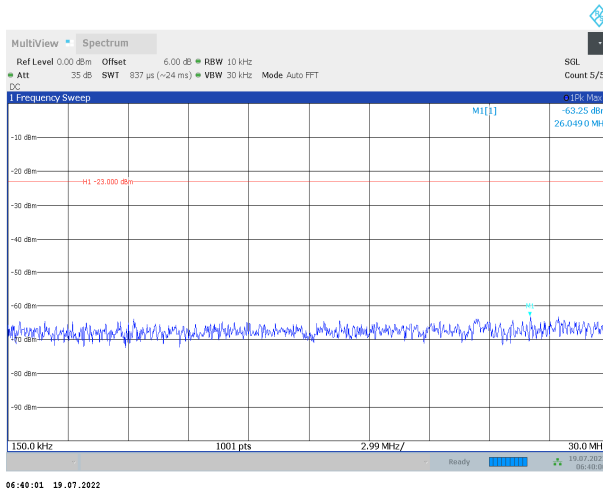
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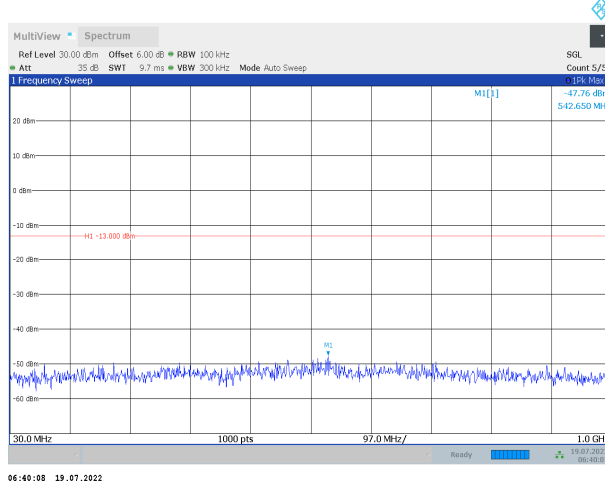
42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.15~30MHz



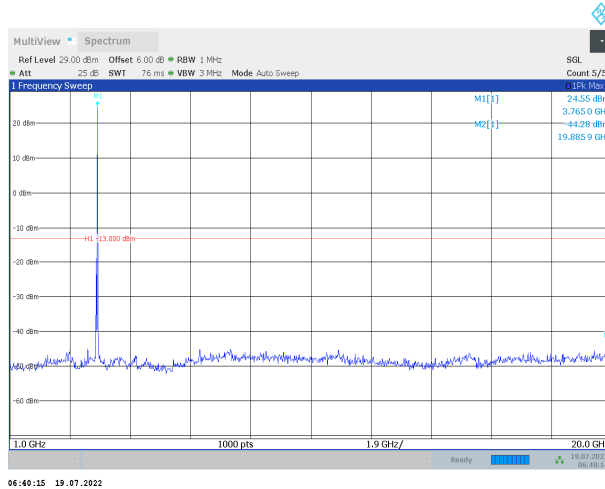
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-30~1000MHz



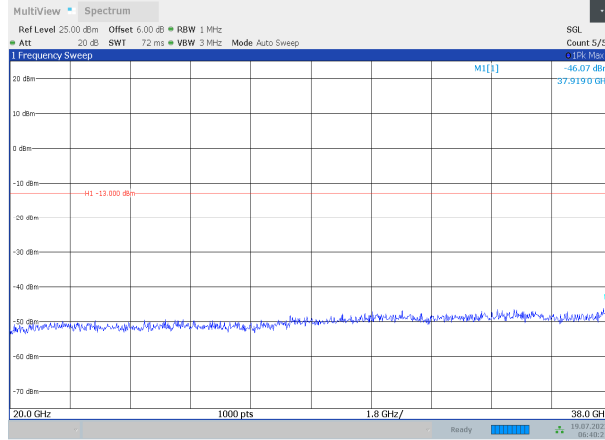
42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-1000~20000MHz



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



06:40:22 19.07.2022



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### Field Strength of Spurious Radiation

Test Band = LTE Band42CA 3450-3550\_ TM1

Test Channel = Low

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7374.575	50.18	-42.93	-51.50	-13.00	38.50	136	360	Horizontal
2	8382.55	48.68	-41.46	-50.73	-13.00	37.73	251	359	Horizontal
3	9287.6	46.32	-40.06	-50.59	-13.00	37.59	145	44	Horizontal
4	10681.4	43.52	-37.59	-50.20	-13.00	37.20	195	359	Horizontal
5	12409.85	41.83	-36.99	-51.34	-13.00	38.34	185	358	Horizontal
6	14429.825	41.03	-34.83	-49.00	-13.00	36.00	102	151	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7018.075	51.28	-43.11	-50.96	-13.00	37.96	126	151	Vertical
2	8062.275	47.86	-41.64	-52.01	-13.00	39.01	265	4	Vertical
3	9162.825	46.28	-40.12	-50.79	-13.00	37.79	148	136	Vertical
4	10326.625	44.73	-38.90	-50.59	-13.00	37.59	195	4	Vertical
5	11467.425	42.30	-36.84	-50.76	-13.00	37.76	105	16	Vertical
6	16668.875	41.65	-34.74	-50.13	-13.00	37.13	111	16	Vertical



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**Test Band = LTE Band42CA 3450-3550\_ TM1**

**Test Channel = Mid**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7645.4	49.37	-42.84	-52.25	-13.00	39.25	189	270	Horizontal
2	8412.45	48.90	-41.42	-50.43	-13.00	37.43	145	360	Horizontal
3	9409.5	45.84	-39.92	-50.86	-13.00	37.86	236	255	Horizontal
4	11192	42.53	-36.69	-50.31	-13.00	37.31	261	301	Horizontal
5	13161.95	40.79	-36.59	-51.15	-13.00	38.15	148	180	Horizontal
6	14436.725	40.45	-34.77	-49.52	-13.00	36.52	177	353	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7868.5	49.60	-42.69	-51.49	-13.00	38.49	165	227	Vertical
2	8614.275	48.05	-40.95	-50.39	-13.00	37.39	400	360	Vertical
3	10633.675	43.25	-37.83	-50.76	-13.00	37.76	195	345	Vertical
4	11549.075	41.93	-36.74	-51.12	-13.00	38.12	188	353	Vertical
5	14315.975	41.38	-35.74	-49.47	-13.00	36.47	140	198	Vertical
6	17166.25	42.57	-34.43	-48.53	-13.00	35.53	236	360	Vertical



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**Test Band = LTE Band42CA 3450-3550\_ TM1**
**Test Channel = High**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7371.7	49.40	-42.94	-52.30	-13.00	39.30	215	359	Horizontal
2	8583.8	47.98	-41.04	-50.60	-13.00	37.60	236	102	Horizontal
3	9595.8	45.40	-39.23	-50.65	-13.00	37.65	261	328	Horizontal
4	11200.05	41.60	-36.60	-51.15	-13.00	38.15	185	161	Horizontal
5	14316.55	41.30	-35.73	-49.55	-13.00	36.55	148	341	Horizontal
6	17692.375	41.57	-33.18	-46.74	-13.00	33.74	179	359	Horizontal

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7407.925	49.75	-42.82	-51.84	-13.00	38.84	126	149	Vertical
2	8617.15	47.60	-40.97	-50.85	-13.00	37.85	251	104	Vertical
3	10100.075	45.07	-38.70	-50.24	-13.00	37.24	148	45	Vertical
4	12205.15	41.61	-37.09	-51.61	-13.00	38.61	176	4	Vertical
5	13644.95	41.03	-36.02	-50.14	-13.00	37.14	199	104	Vertical
6	17175.45	42.80	-34.52	-48.39	-13.00	35.39	263	284	Vertical



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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	44491-44689	100RB#0-100RB#0	VH	NT	-71.10	-0.019268	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VL	NT	-71.10	-0.019268	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VN	NT	-72.50	-0.019647	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	50	-69.40	-0.018807	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	40	-69.80	-0.018915	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	30	-66.30	-0.017967	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	20	-69.20	-0.018753	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	10	-70.20	-0.019024	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	0	-69.50	-0.018834	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-10	-71.00	-0.019241	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-20	-69.00	-0.018699	PASS
42-42	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-30	-69.30	-0.018780	PASS

---End of Attachment---



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