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# Appendix B.15

## LTE CA\_41C



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t (86-512) 62992980 www.sgsgroup.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### Ant0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	1RB#0-0RB#0	22.88	23.58	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	50RB#0-75RB#0	21.90	22.60	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	1RB#0-0RB#0	23.23	23.93	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	50RB#0-75RB#0	22.10	22.80	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	1RB#0-0RB#0	23.14	23.84	33.00	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	50RB#0-75RB#0	21.97	22.67	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	1RB#0-0RB#0	21.87	22.57	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	50RB#0-75RB#0	20.91	21.61	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	1RB#0-0RB#0	22.30	23.00	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	50RB#0-75RB#0	21.12	21.82	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	1RB#0-0RB#0	22.23	22.93	33.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	50RB#0-75RB#0	20.89	21.59	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	1RB#0-0RB#0	21.01	21.71	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	50RB#0-75RB#0	20.86	21.56	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	1RB#0-0RB#0	21.40	22.10	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	50RB#0-75RB#0	20.71	21.41	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	1RB#0-0RB#0	21.12	21.82	33.00	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	50RB#0-75RB#0	20.80	21.50	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	1RB#0-0RB#0	20.50	21.20	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	50RB#0-100RB#0	21.92	22.62	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40526-40670	1RB#0-0RB#0	23.37	24.07	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40526-40670	50RB#0-100RB#0	22.11	22.81	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41346-41490	1RB#0-0RB#0	23.10	23.80	33.00	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41346-41490	50RB#0-100RB#0	21.84	22.54	33.00	PASS
41-41	10MHz-20MHz	16QAM-16QAM	39705-39849	1RB#0-0RB#0	21.95	22.65	33.00	PASS
41-41	10MHz-20MHz	16QAM-16QAM	39705-39849	50RB#0-100RB#0	21.02	21.72	33.00	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40526-40670	1RB#0-0RB#0	22.33	23.03	33.00	PASS



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



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Table with 9 columns: Item ID, Frequency, Modulation, Test Standard, Test Result, and Pass/Fail status. Contains 40 rows of test data.



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41-41	20MHz-15MHz	QPSK-QPSK	39750-39921	1RB#0-0RB#0	23.09	23.79	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	22.16	22.86	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	1RB#0-0RB#0	23.35	24.05	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	100RB#0-75RB#0	21.94	22.64	33.00	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	1RB#0-0RB#0	23.22	23.92	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	100RB#0-75RB#0	21.04	21.74	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	1RB#0-0RB#0	22.23	22.93	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	100RB#0-75RB#0	21.16	21.86	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	1RB#0-0RB#0	22.15	22.85	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	100RB#0-75RB#0	20.91	21.61	33.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	1RB#0-0RB#0	22.37	23.07	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	100RB#0-75RB#0	21.00	21.70	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	1RB#0-0RB#0	21.08	21.78	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	100RB#0-75RB#0	20.98	21.68	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	1RB#0-0RB#0	21.14	21.84	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	100RB#0-75RB#0	20.94	21.64	33.00	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	1RB#0-0RB#0	21.25	21.95	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	22.03	22.73	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#0-0RB#0	23.18	23.88	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	22.18	22.88	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#0-0RB#0	23.17	23.87	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	22.07	22.77	33.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#0-0RB#0	23.20	23.90	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	21.04	21.74	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	1RB#0-0RB#0	22.29	22.99	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	21.17	21.87	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	1RB#0-0RB#0	22.30	23.00	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	21.07	21.77	33.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	1RB#0-0RB#0	22.28	22.98	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	20.99	21.69	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	1RB#0-0RB#0	21.20	21.90	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	21.13	21.83	33.00	PASS



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41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	1RB#0-0RB#0	21.14	21.84	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	20.96	21.66	33.00	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	1RB#0-0RB#0	21.26	21.96	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	100RB#0-25RB#0	22.10	22.80	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	1RB#0-0RB#0	23.03	23.73	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	22.13	22.83	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	1RB#0-0RB#0	23.30	24.00	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	100RB#0-25RB#0	21.91	22.61	33.00	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	1RB#0-0RB#0	23.08	23.78	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	100RB#0-25RB#0	20.96	21.66	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	1RB#0-0RB#0	22.13	22.83	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	100RB#0-25RB#0	21.09	21.79	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	1RB#0-0RB#0	22.28	22.98	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	100RB#0-25RB#0	20.89	21.59	33.00	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	1RB#0-0RB#0	22.15	22.85	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	100RB#0-25RB#0	20.91	21.61	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	1RB#0-0RB#0	21.05	21.75	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	100RB#0-25RB#0	20.87	21.57	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	1RB#0-0RB#0	21.24	21.94	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	100RB#0-25RB#0	20.48	21.18	33.00	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	1RB#0-0RB#0	21.21	21.91	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	1RB#0-0RB#0	22.74	23.44	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	25RB#0-100RB#0	21.82	22.52	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	1RB#0-0RB#0	22.95	23.65	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	25RB#0-100RB#0	21.90	22.60	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	1RB#0-0RB#0	23.04	23.74	33.00	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	25RB#0-100RB#0	21.74	22.44	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	1RB#0-0RB#0	21.81	22.51	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	25RB#0-100RB#0	20.80	21.50	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	1RB#0-0RB#0	22.00	22.70	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	25RB#0-100RB#0	20.96	21.66	33.00	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	1RB#0-0RB#0	22.03	22.73	33.00	PASS



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41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	25RB#0-100RB#0	20.73	21.43	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	1RB#0-0RB#0	20.95	21.65	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	25RB#0-100RB#0	20.46	21.16	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	1RB#0-0RB#0	20.76	21.46	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	25RB#0-100RB#0	20.49	21.19	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	1RB#0-0RB#0	21.08	21.78	33.00	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	25RB#0-100RB#0	20.72	21.42	33.00	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	10.22	13	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	10.14	13	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	10.16	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	10.16	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	10.10	13	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	10.08	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	10.22	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	10.20	13	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	10.26	13	PASS



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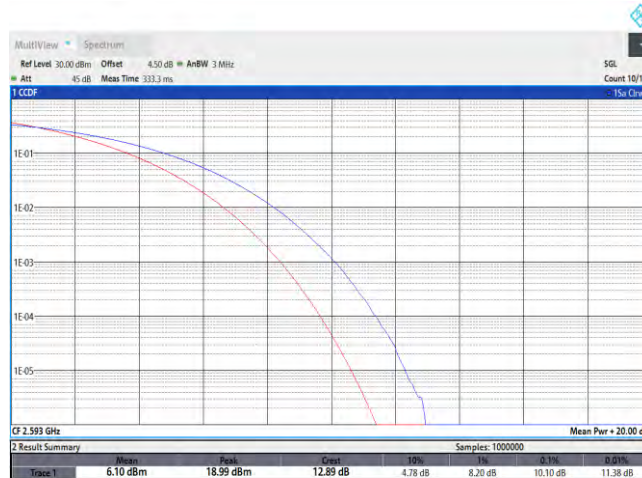
Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0



19:50:34 08.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0



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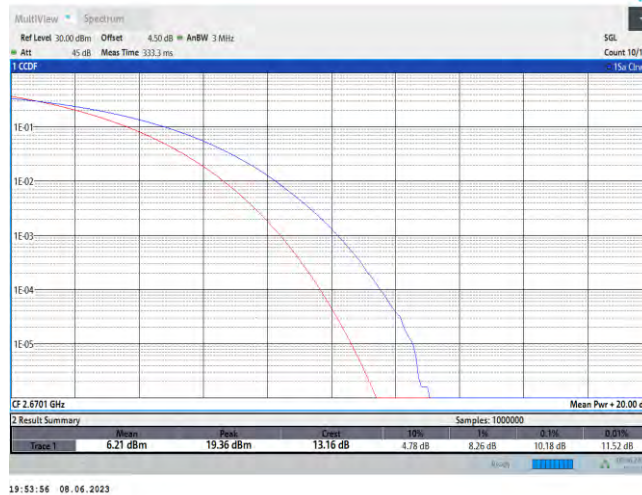


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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-100RB#0-100RB#0



19:53:56 08.06.2023

41-41-20MHz-20MHz-16QAM-16QAM-39750-39948-100RB#0-100RB#0



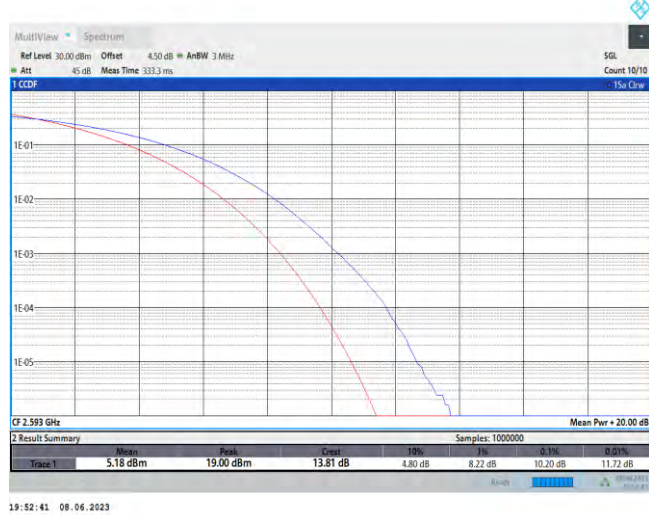
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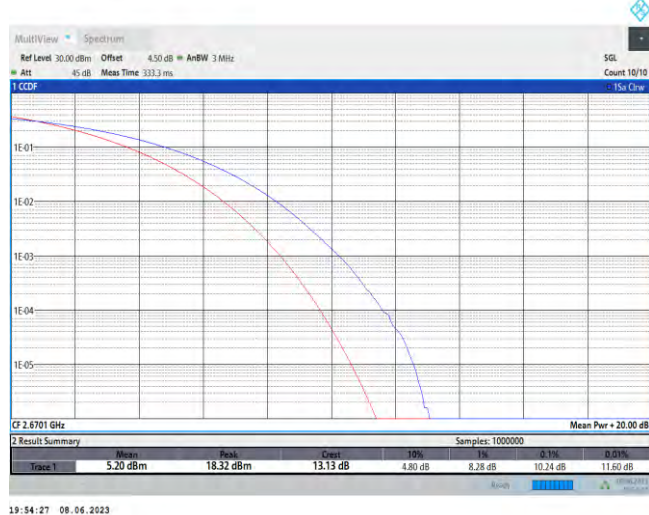
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41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0



41-41-20MHz-20MHz-16QAM-16QAM-41292-41490-100RB#0-100RB#0

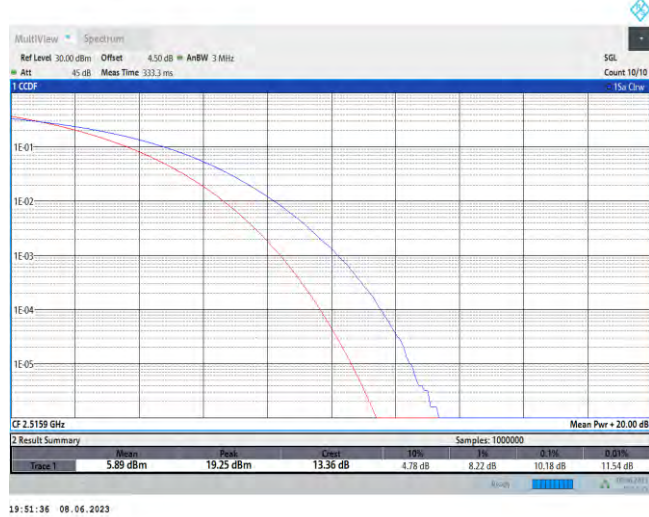


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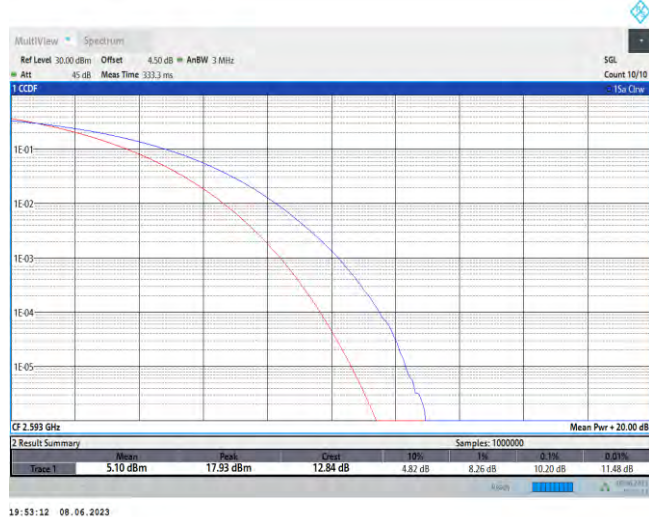
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41-41-20MHz-20MHz-64QAM-64QAM-39750-39948-100RB#0-100RB#0



41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0

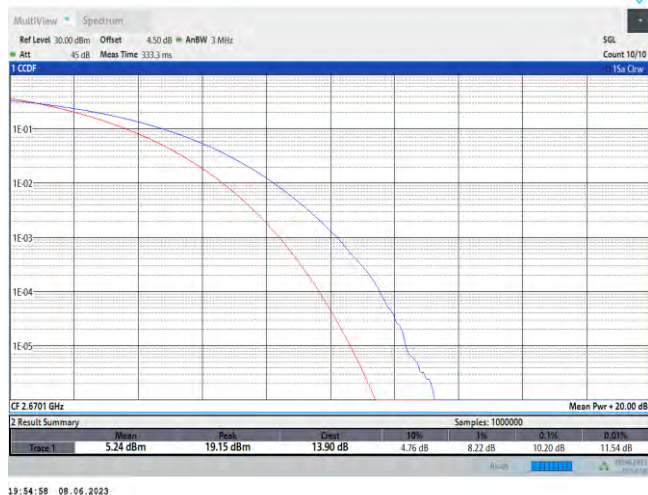


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41-41-20MHz-20MHz-64QAM-64QAM-41292-41490-100RB#0-100RB#0



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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	PASS



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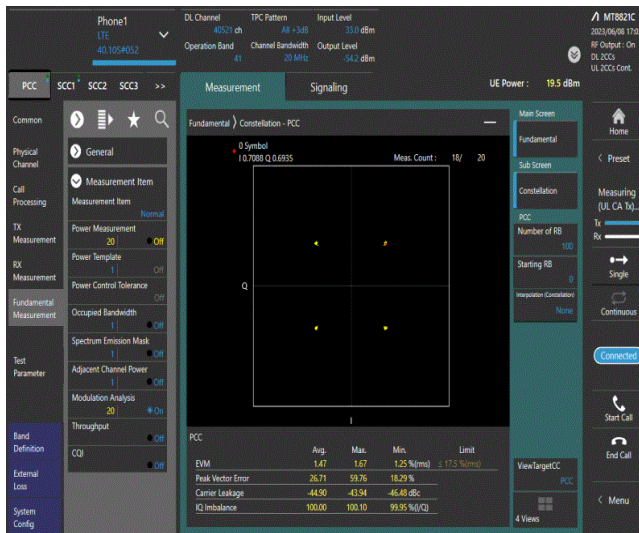
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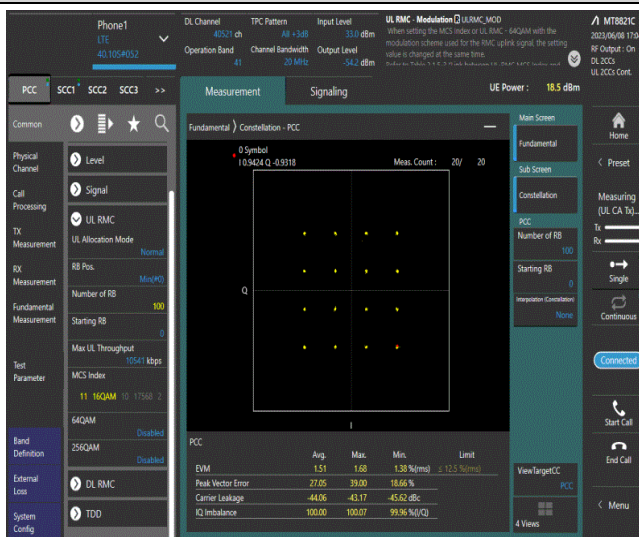
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Test Graphs

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41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0

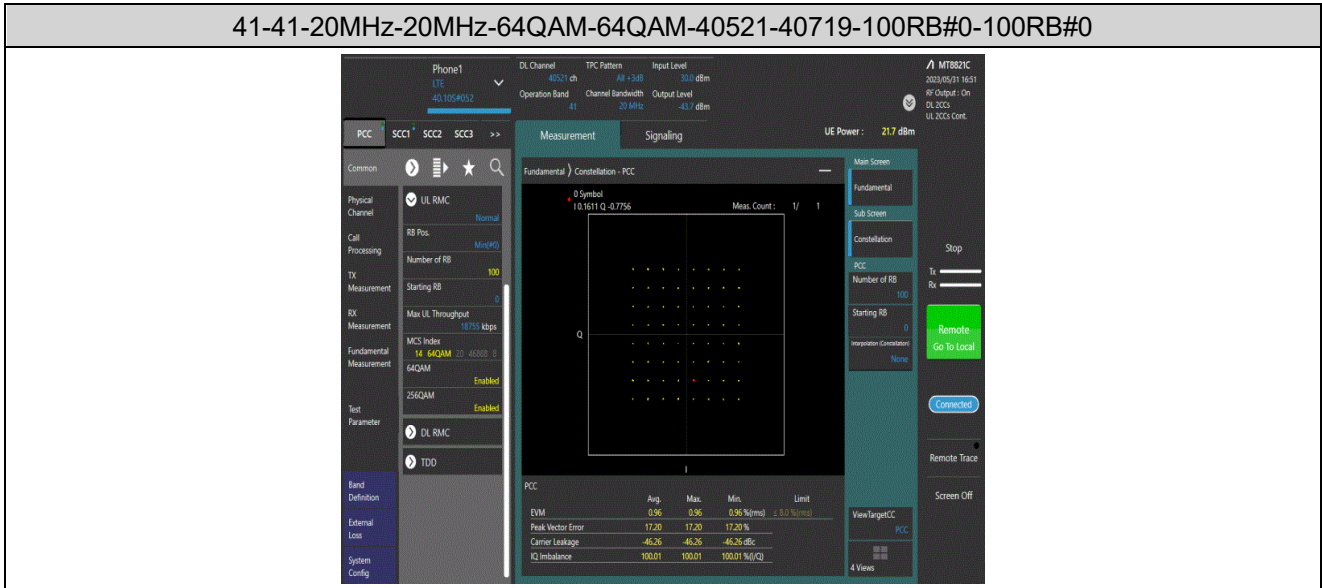


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41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
41-41	10MHz-15MHz	QPSK-QPSK	39703-39823	50RB#0-75RB#0	23.257	24.60	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40549-40669	50RB#0-75RB#0	23.142	25.85	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41395-41515	50RB#0-75RB#0	23.131	25.00	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39703-39823	50RB#0-75RB#0	23.136	24.45	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40549-40669	50RB#0-75RB#0	23.103	24.60	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41395-41515	50RB#0-75RB#0	23.035	24.50	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39703-39823	50RB#0-75RB#0	23.160	24.40	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40549-40669	50RB#0-75RB#0	23.123	24.45	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41395-41515	50RB#0-75RB#0	23.146	25.85	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39705-39849	50RB#0-100RB#0	27.791	29.22	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40526-40670	50RB#0-100RB#0	27.908	29.46	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41346-41490	50RB#0-100RB#0	27.752	29.10	PASS
41-41	10MHz-20MHz	16QAM-16QAM	39705-39849	50RB#0-100RB#0	27.801	29.04	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40526-40670	50RB#0-100RB#0	27.755	30.30	PASS
41-41	10MHz-20MHz	16QAM-16QAM	41346-41490	50RB#0-100RB#0	27.873	29.10	PASS
41-41	10MHz-20MHz	64QAM-64QAM	39705-39849	50RB#0-100RB#0	27.680	28.98	PASS
41-41	10MHz-20MHz	64QAM-64QAM	40526-40670	50RB#0-100RB#0	27.726	29.10	PASS
41-41	10MHz-20MHz	64QAM-64QAM	41346-41490	50RB#0-100RB#0	27.775	29.22	PASS
41-41	15MHz-10MHz	QPSK-QPSK	39725-39845	75RB#0-50RB#0	23.202	24.50	PASS
41-41	15MHz-10MHz	QPSK-QPSK	40571-40691	75RB#0-50RB#0	23.186	24.45	PASS
41-41	15MHz-10MHz	QPSK-QPSK	41417-41537	75RB#0-50RB#0	23.121	24.95	PASS
41-41	15MHz-10MHz	16QAM-16QAM	39725-39845	75RB#0-50RB#0	23.077	24.45	PASS
41-41	15MHz-10MHz	16QAM-16QAM	40571-40691	75RB#0-50RB#0	23.155	28.65	PASS
41-41	15MHz-10MHz	16QAM-16QAM	41417-41537	75RB#0-50RB#0	23.164	24.55	PASS
41-41	15MHz-10MHz	64QAM-64QAM	39725-39845	75RB#0-50RB#0	23.134	24.80	PASS
41-41	15MHz-10MHz	64QAM-64QAM	40571-40691	75RB#0-50RB#0	23.112	24.80	PASS
41-41	15MHz-10MHz	64QAM-64QAM	41417-41537	75RB#0-50RB#0	23.132	24.75	PASS
41-41	15MHz-15MHz	QPSK-QPSK	39725-39875	75RB#0-75RB#0	28.265	29.70	PASS
41-41	15MHz-15MHz	QPSK-QPSK	40545-40695	75RB#0-75RB#0	28.317	29.76	PASS
41-41	15MHz-15MHz	QPSK-QPSK	41365-41515	75RB#0-75RB#0	28.405	30.18	PASS
41-41	15MHz-15MHz	16QAM-16QAM	39725-39875	75RB#0-75RB#0	28.255	29.88	PASS



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41-41	15MHz-15MHz	16QAM-16QAM	40545-40695	75RB#0-75RB#0	28.281	29.94	PASS
41-41	15MHz-15MHz	16QAM-16QAM	41365-41515	75RB#0-75RB#0	28.391	30.18	PASS
41-41	15MHz-15MHz	64QAM-64QAM	39725-39875	75RB#0-75RB#0	28.398	29.88	PASS
41-41	15MHz-15MHz	64QAM-64QAM	40545-40695	75RB#0-75RB#0	28.215	30.12	PASS
41-41	15MHz-15MHz	64QAM-64QAM	41365-41515	75RB#0-75RB#0	28.352	29.64	PASS
41-41	15MHz-20MHz	QPSK-QPSK	39728-39899	75RB#0-100RB#0	32.647	34.09	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40523-40694	75RB#0-100RB#0	32.620	34.44	PASS
41-41	15MHz-20MHz	QPSK-QPSK	41319-41490	75RB#0-100RB#0	32.540	34.23	PASS
41-41	15MHz-20MHz	16QAM-16QAM	39728-39899	75RB#0-100RB#0	32.628	34.37	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40523-40694	75RB#0-100RB#0	32.671	34.37	PASS
41-41	15MHz-20MHz	16QAM-16QAM	41319-41490	75RB#0-100RB#0	32.596	34.09	PASS
41-41	15MHz-20MHz	64QAM-64QAM	39728-39899	75RB#0-100RB#0	32.534	34.16	PASS
41-41	15MHz-20MHz	64QAM-64QAM	40523-40694	75RB#0-100RB#0	32.708	34.09	PASS
41-41	15MHz-20MHz	64QAM-64QAM	41319-41490	75RB#0-100RB#0	32.620	34.16	PASS
41-41	20MHz-15MHz	QPSK-QPSK	39750-39921	100RB#0-75RB#0	32.541	34.02	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40546-40717	100RB#0-75RB#0	32.613	36.61	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41341-41512	100RB#0-75RB#0	32.609	34.16	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39921	100RB#0-75RB#0	32.460	34.02	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40546-40717	100RB#0-75RB#0	32.629	34.44	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41341-41512	100RB#0-75RB#0	32.631	34.23	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39921	100RB#0-75RB#0	32.521	34.09	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40546-40717	100RB#0-75RB#0	32.655	34.86	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41341-41512	100RB#0-75RB#0	32.563	34.86	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	37.591	40.00	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	37.893	40.16	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	37.759	40.64	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	37.733	40.00	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	37.773	40.88	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	37.796	40.32	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	37.703	40.24	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	37.707	40.16	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	37.899	40.16	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39867	100RB#0-25RB#0	22.826	24.10	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40595-40712	100RB#0-25RB#0	22.899	24.15	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41440-41557	100RB#0-25RB#0	23.012	24.30	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39867	100RB#0-25RB#0	22.930	24.30	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40595-40712	100RB#0-25RB#0	22.873	24.15	PASS



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41-41	20MHz-5MHz	16QAM-16QAM	41440-41557	100RB#0-25RB#0	23.008	24.15	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39867	100RB#0-25RB#0	22.933	24.55	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40595-40712	100RB#0-25RB#0	22.968	24.60	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41440-41557	100RB#0-25RB#0	22.867	24.20	PASS
41-41	5MHz-20MHz	QPSK-QPSK	39683-39800	25RB#0-100RB#0	22.940	24.30	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40528-40645	25RB#0-100RB#0	22.935	24.05	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41373-41490	25RB#0-100RB#0	22.909	24.65	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39683-39800	25RB#0-100RB#0	22.918	24.10	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40528-40645	25RB#0-100RB#0	22.990	24.05	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41373-41490	25RB#0-100RB#0	22.861	23.95	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39683-39800	25RB#0-100RB#0	22.891	24.10	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40528-40645	25RB#0-100RB#0	22.947	24.15	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41373-41490	25RB#0-100RB#0	22.863	24.25	PASS



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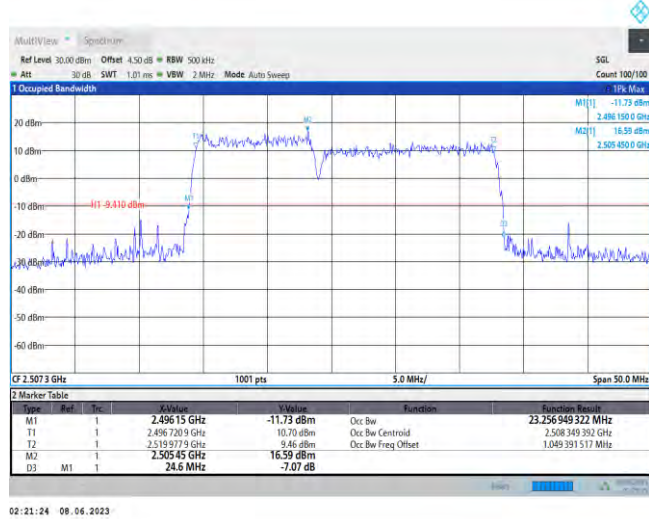
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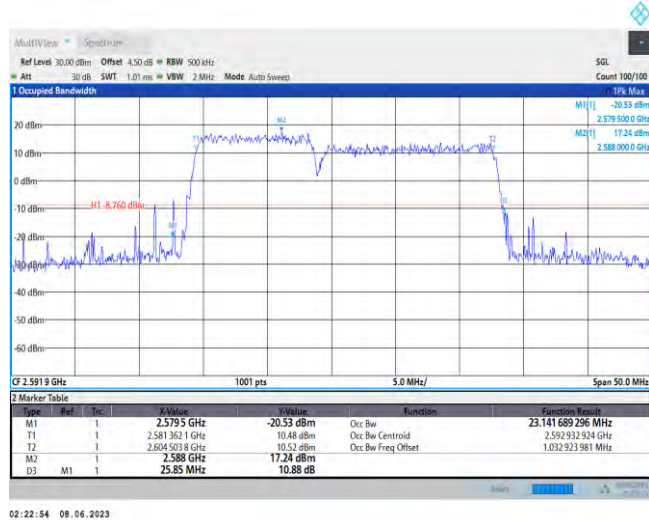


Test Graphs

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-50RB#0-75RB#0



41-41-10MHz-15MHz-QPSK-QPSK-40549-40669-50RB#0-75RB#0



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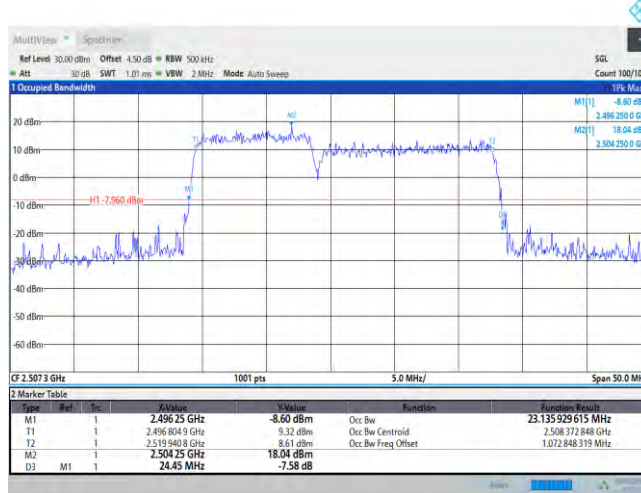


41-41-10MHz-15MHz-QPSK-QPSK-41395-41515-50RB#0-75RB#0



02:24:34 09.06.2023

41-41-10MHz-15MHz-16QAM-16QAM-39703-39823-50RB#0-75RB#0



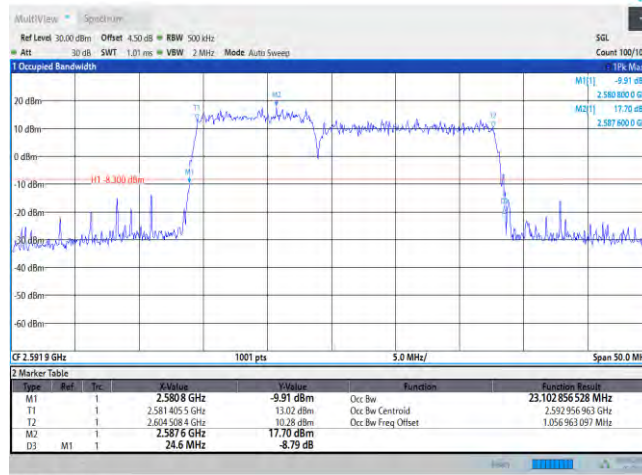
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41-41-10MHz-15MHz-16QAM-16QAM-40549-40669-50RB#0-75RB#0



02:23:22 09.06.2023

41-41-10MHz-15MHz-16QAM-16QAM-41395-41515-50RB#0-75RB#0



02:25:03 09.06.2023



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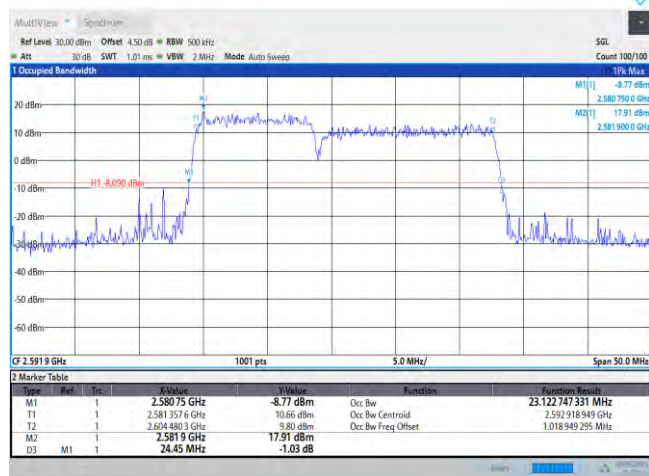
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41-41-10MHz-15MHz-64QAM-64QAM-39703-39823-50RB#0-75RB#0



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41-41-10MHz-15MHz-64QAM-64QAM-40549-40669-50RB#0-75RB#0



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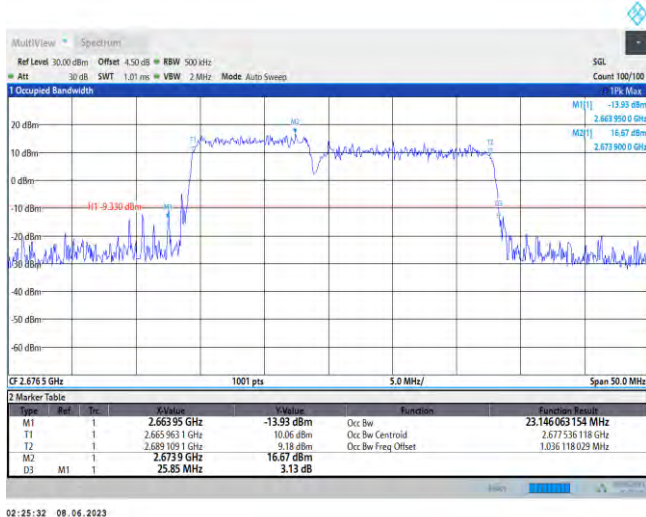


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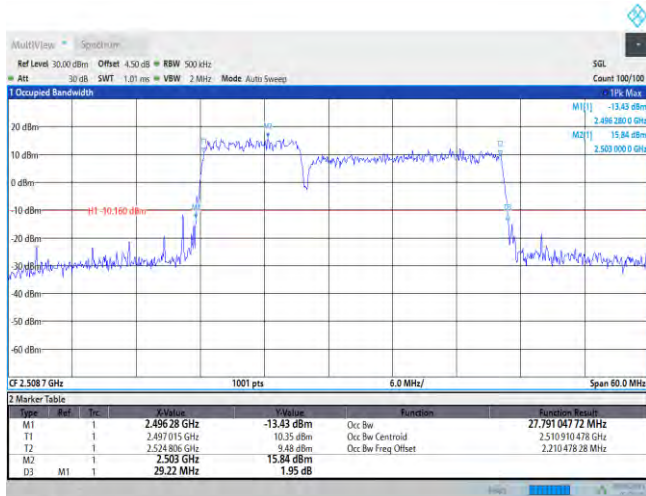


41-41-10MHz-15MHz-64QAM-64QAM-41395-41515-50RB#0-75RB#0



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41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-50RB#0-100RB#0



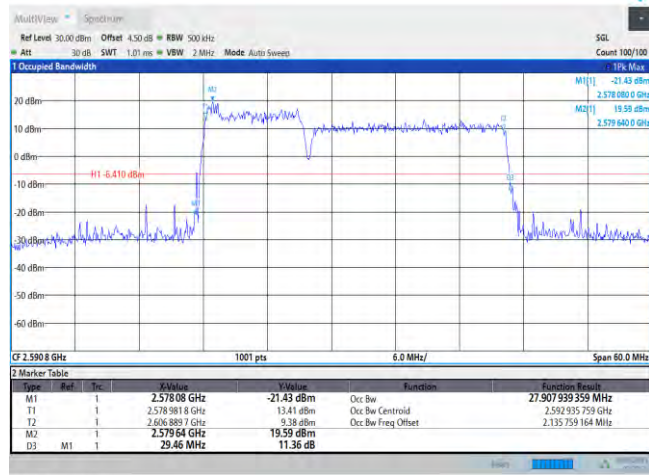
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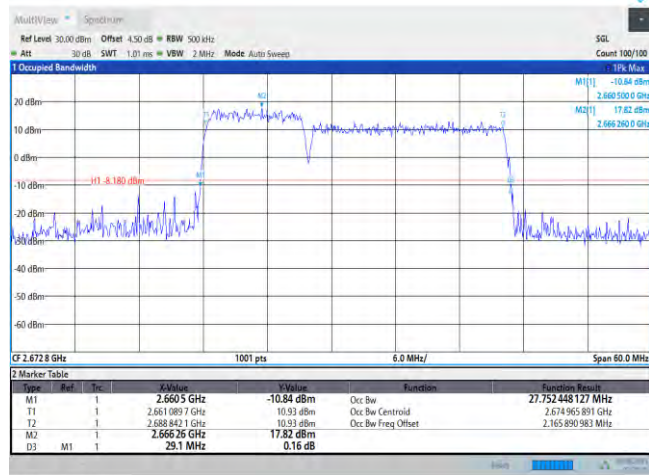
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41-41-10MHz-20MHz-QPSK-QPSK-40526-40670-50RB#0-100RB#0



02:27:56 08.06.2023

41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-50RB#0-100RB#0



02:29:28 08.06.2023



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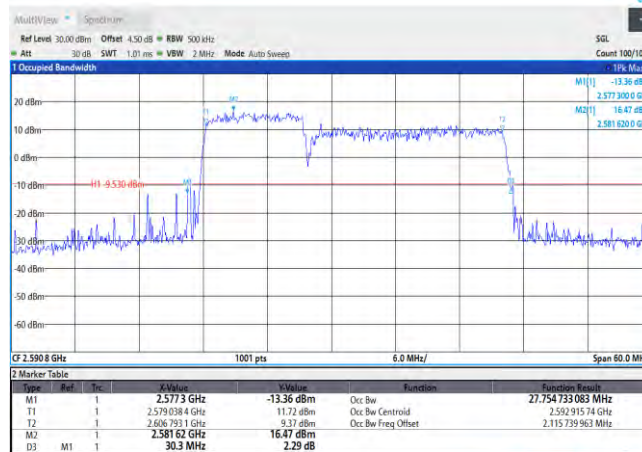
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41-41-10MHz-20MHz-16QAM-16QAM-39705-39849-50RB#0-100RB#0



02:26:51 09.06.2023

41-41-10MHz-20MHz-16QAM-16QAM-40526-40670-50RB#0-100RB#0



02:28:25 09.06.2023



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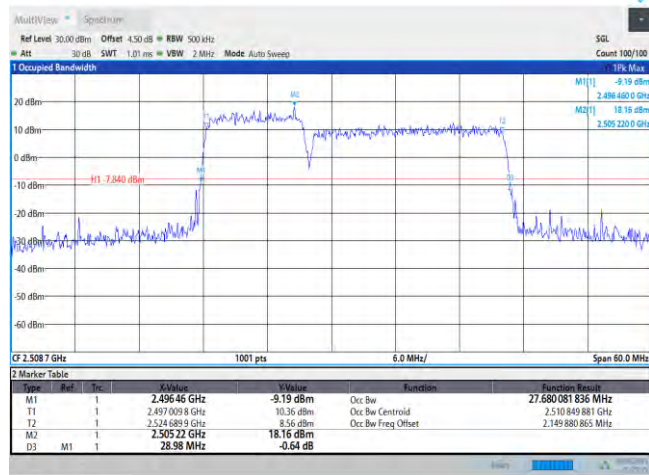


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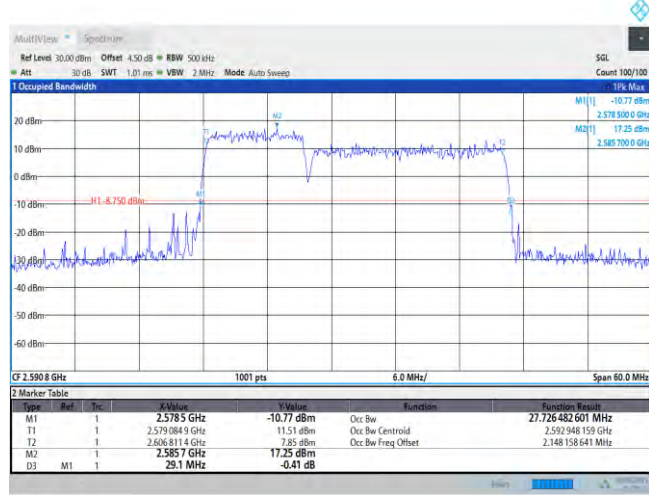
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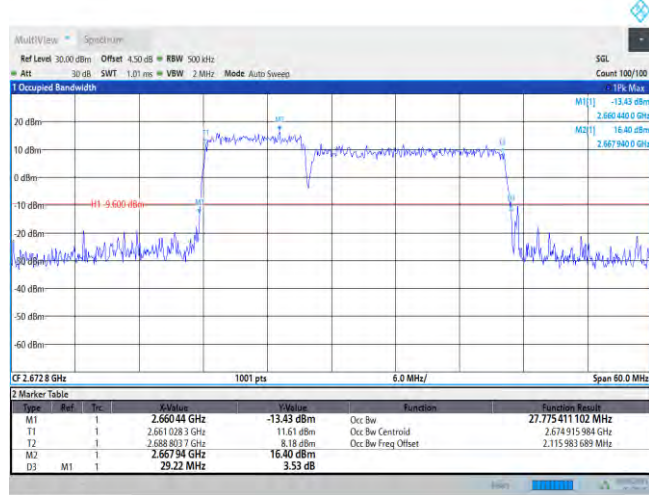
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41-41-10MHz-20MHz-64QAM-64QAM-40526-40670-50RB#0-100RB#0



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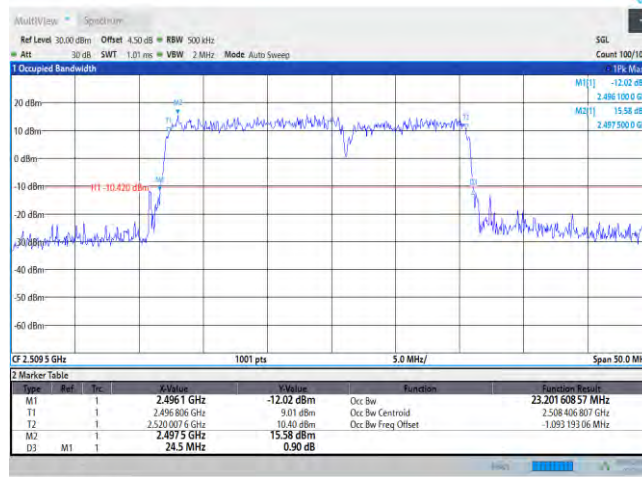
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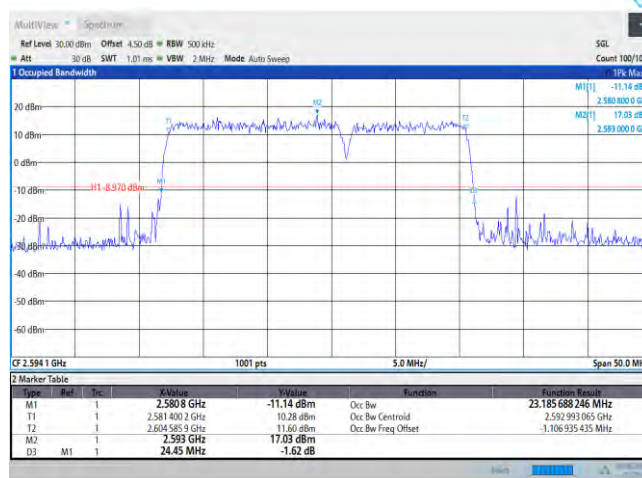
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41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-75RB#0-50RB#0



02:31:09 08.06.2023

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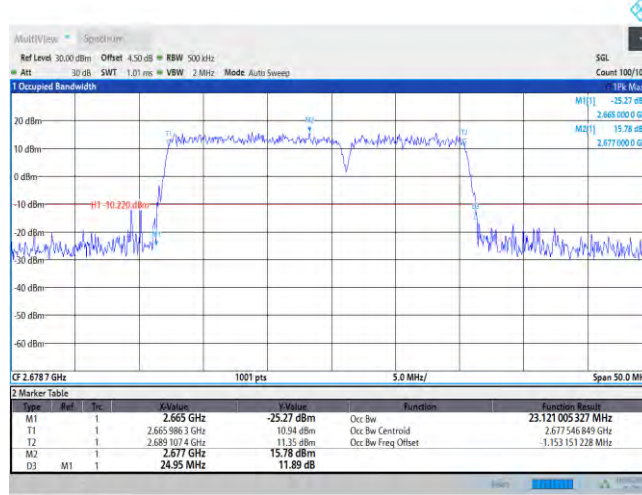


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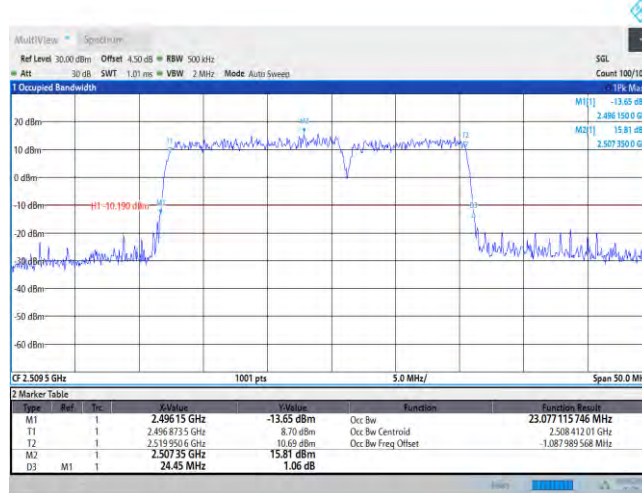


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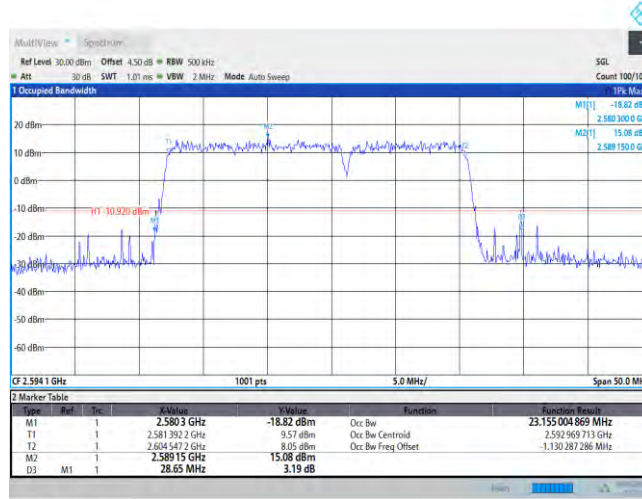
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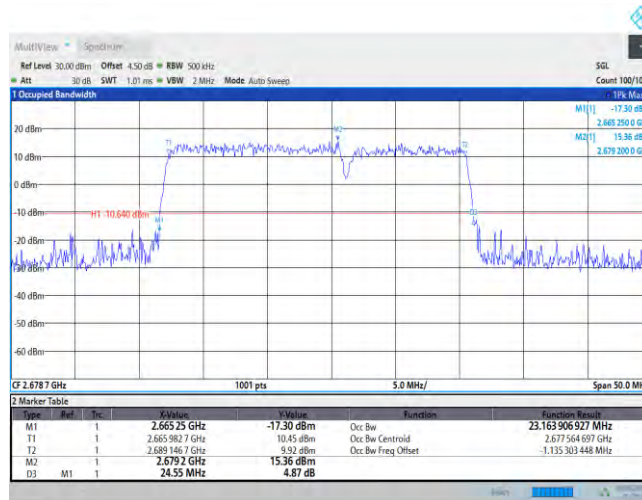
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41-41-15MHz-10MHz-16QAM-16QAM-40571-40691-75RB#0-50RB#0



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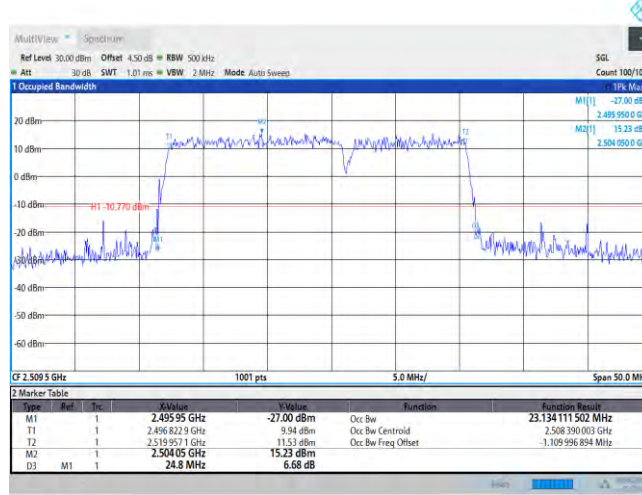
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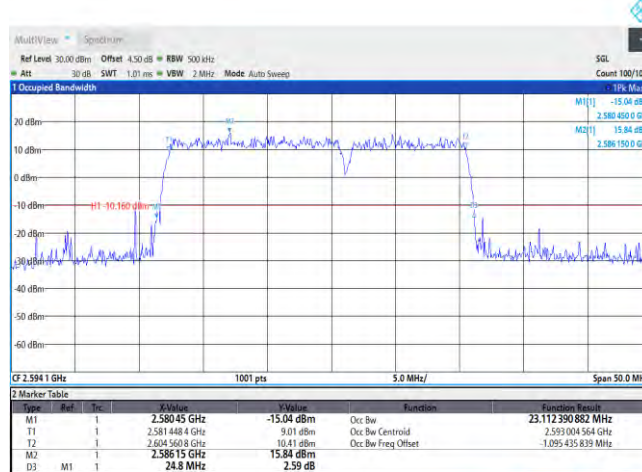
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41-41-15MHz-10MHz-64QAM-64QAM-39725-39845-75RB#0-50RB#0



02:32:07 08.06.2023

41-41-15MHz-10MHz-64QAM-64QAM-40571-40691-75RB#0-50RB#0



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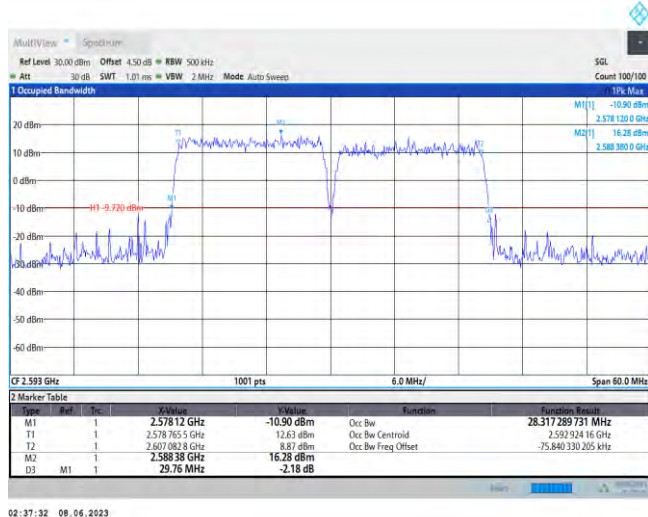


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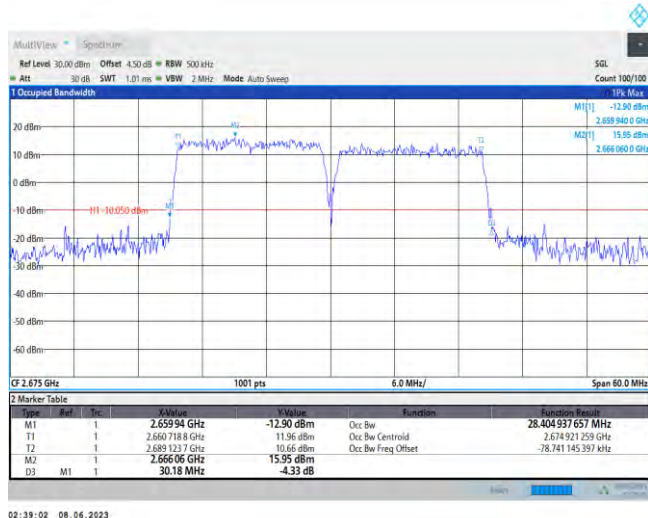
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41-41-15MHz-15MHz-QPSK-QPSK-40545-40695-75RB#0-75RB#0



41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-75RB#0-75RB#0



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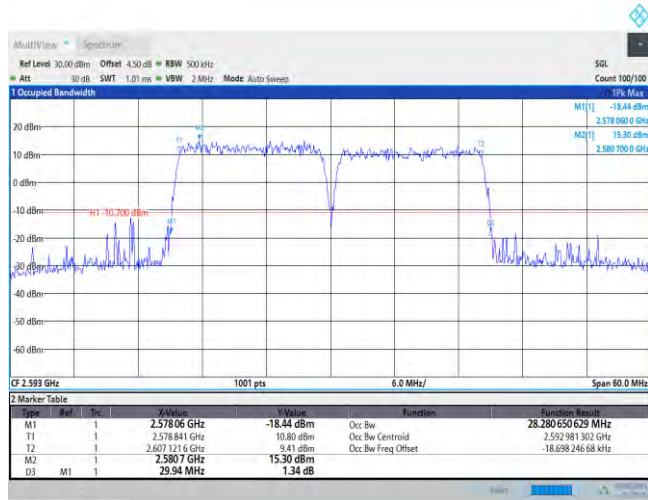
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41-41-15MHz-15MHz-16QAM-16QAM-39725-39875-75RB#0-75RB#0



02:36:21 09.06.2023

41-41-15MHz-15MHz-16QAM-16QAM-40545-40695-75RB#0-75RB#0



02:38:01 09.06.2023



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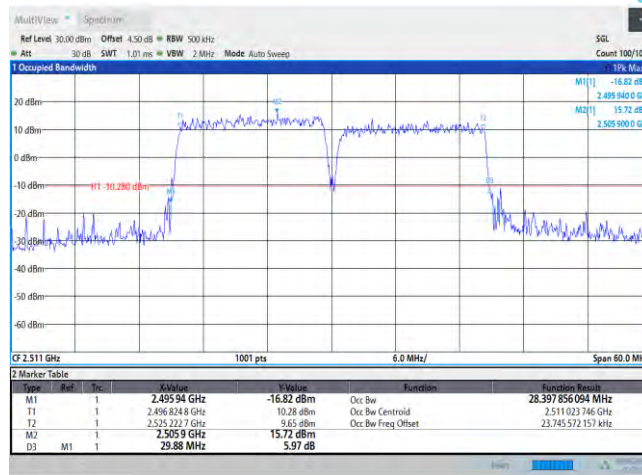


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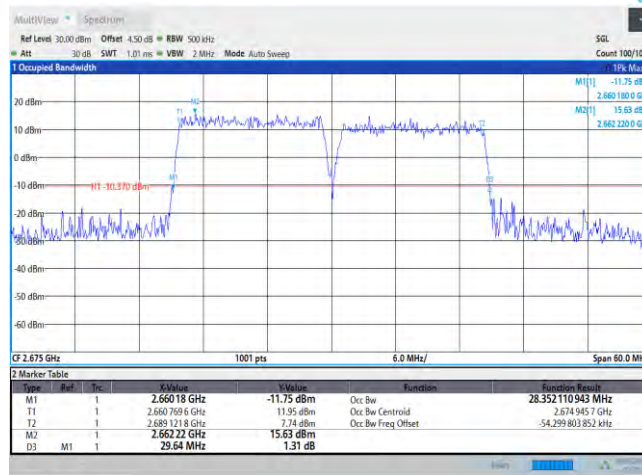
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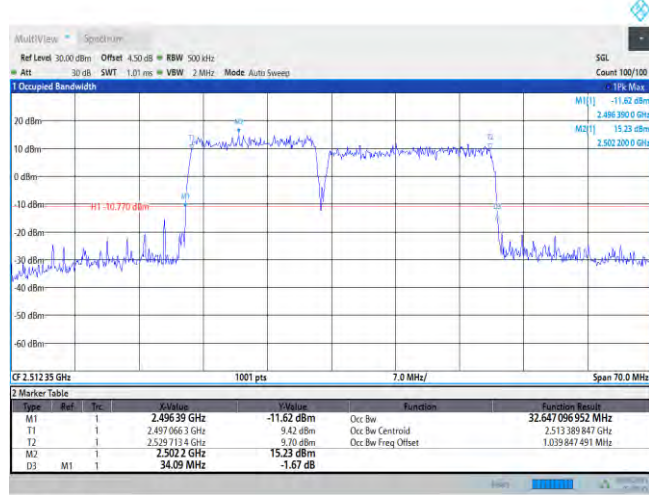
02:40:00 09.06.2023



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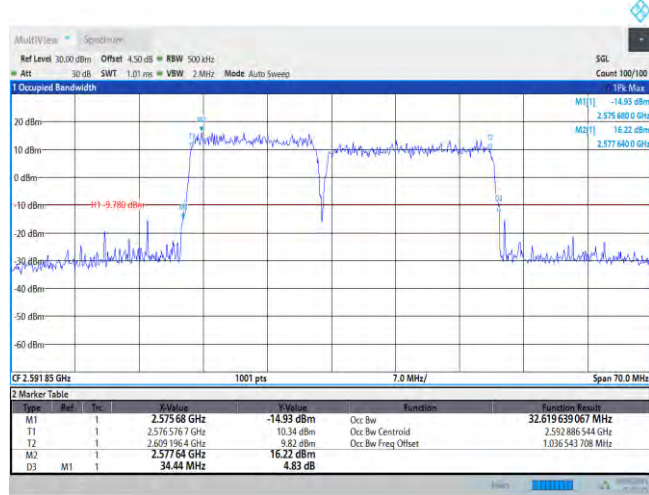
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41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-75RB#0-100RB#0



02:40:44 09.06.2023

41-41-15MHz-20MHz-QPSK-QPSK-40523-40694-75RB#0-100RB#0



02:42:24 09.06.2023



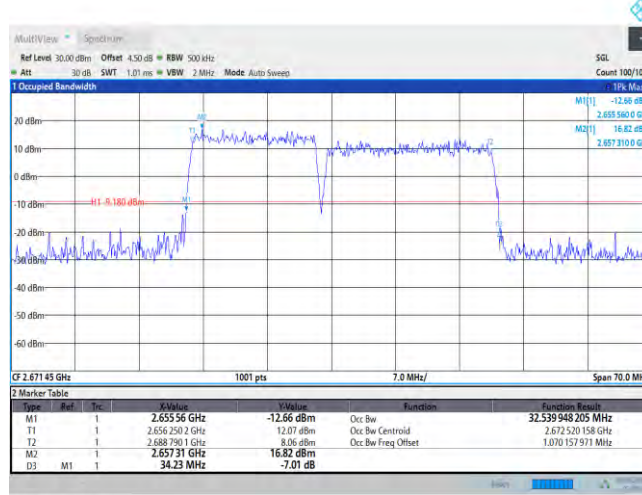
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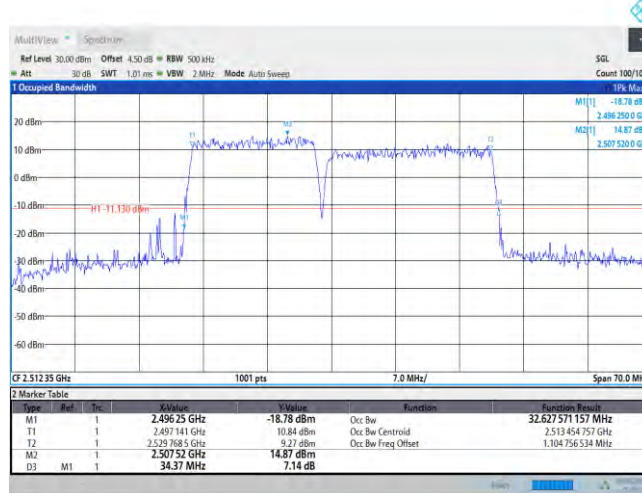


41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-75RB#0-100RB#0



02:44:04 09.06.2023

41-41-15MHz-20MHz-16QAM-16QAM-39728-39899-75RB#0-100RB#0



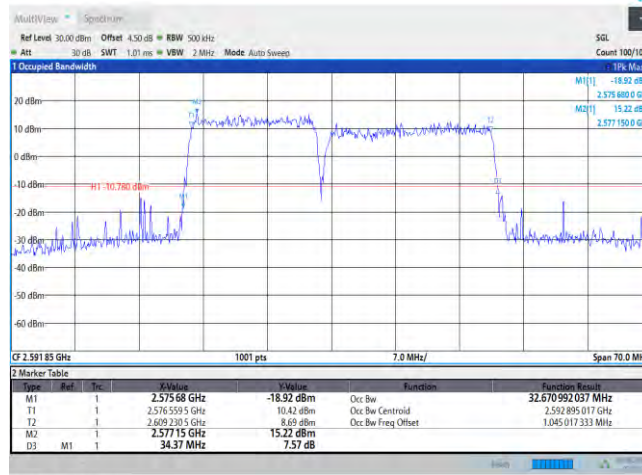
02:41:13 09.06.2023



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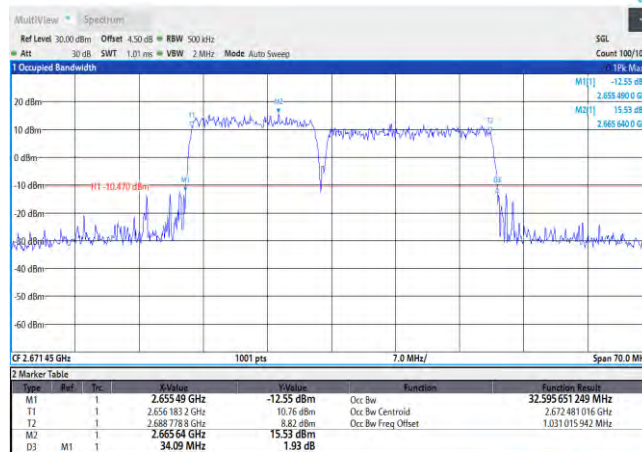
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41-41-15MHz-20MHz-16QAM-16QAM-40523-40694-75RB#0-100RB#0



02:42:53 09.06.2023

41-41-15MHz-20MHz-16QAM-16QAM-41319-41490-75RB#0-100RB#0



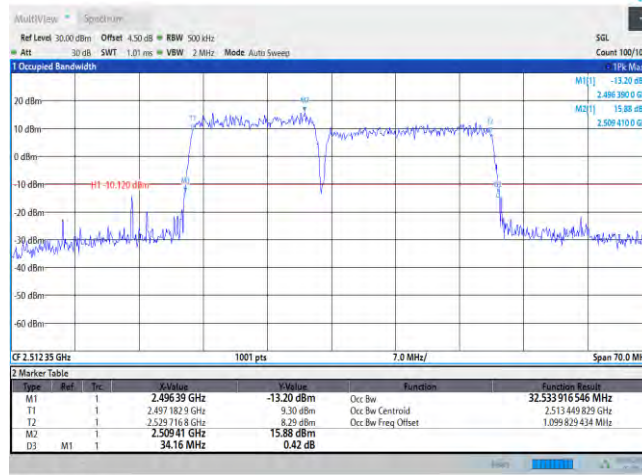
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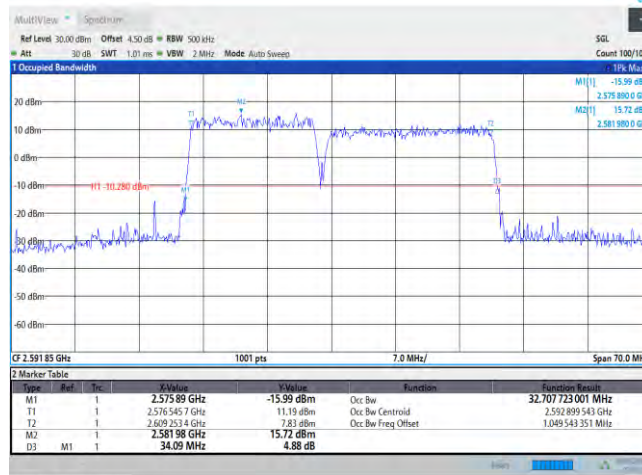
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41-41-15MHz-20MHz-64QAM-64QAM-39728-39899-75RB#0-100RB#0



02:41:42 09.06.2023

41-41-15MHz-20MHz-64QAM-64QAM-40523-40694-75RB#0-100RB#0



02:43:22 09.06.2023



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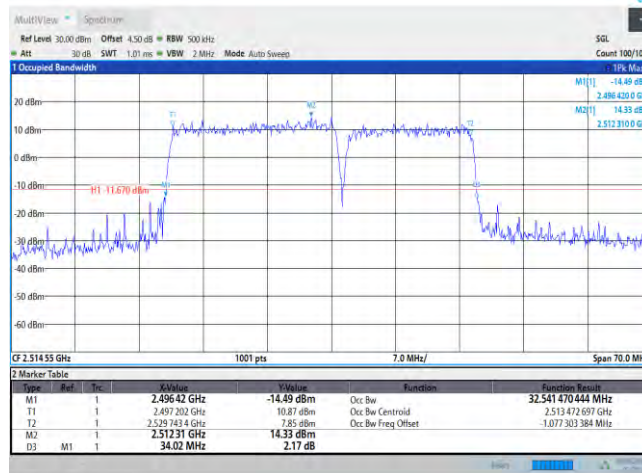


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02:45:02 09.06.2023

41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-100RB#0-75RB#0



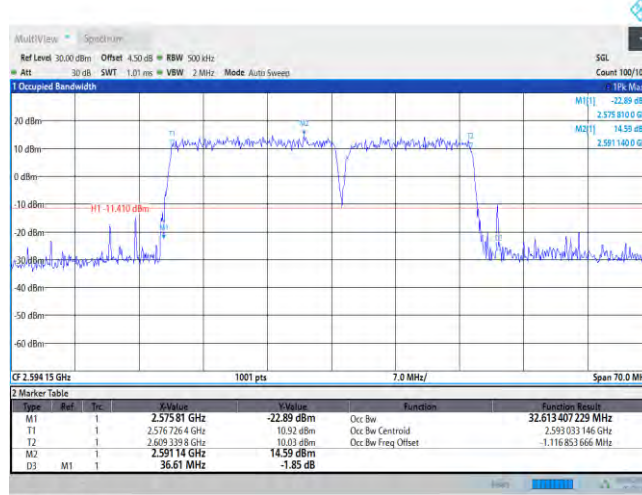
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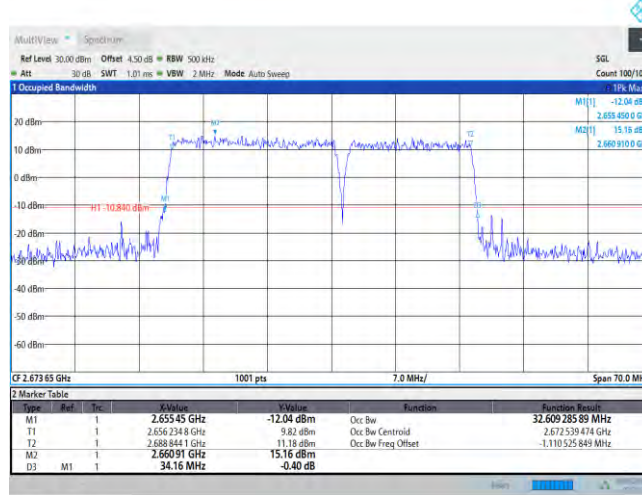
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41-41-20MHz-15MHz-QPSK-QPSK-40546-40717-100RB#0-75RB#0



02:52:13 09.06.2023

41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-100RB#0-75RB#0



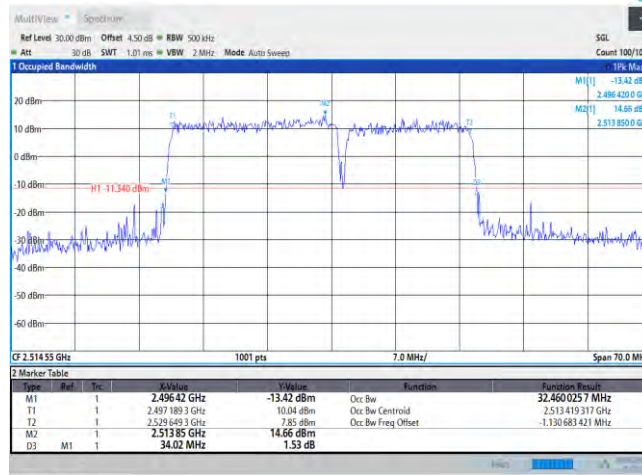
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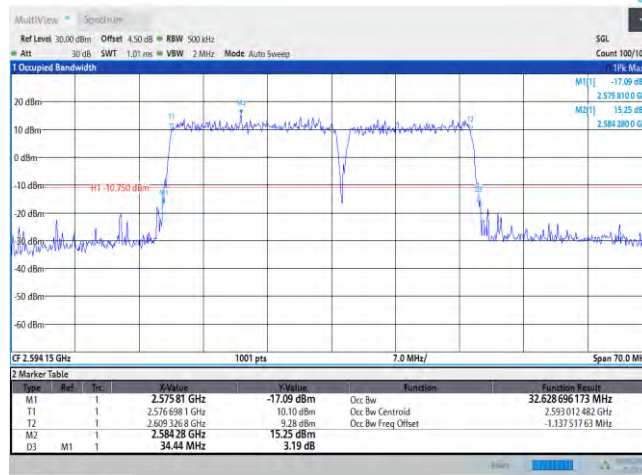
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41-41-20MHz-15MHz-16QAM-16QAM-39750-39921-100RB#0-75RB#0



02:51:02 09.06.2023

41-41-20MHz-15MHz-16QAM-16QAM-40546-40717-100RB#0-75RB#0



02:52:42 09.06.2023

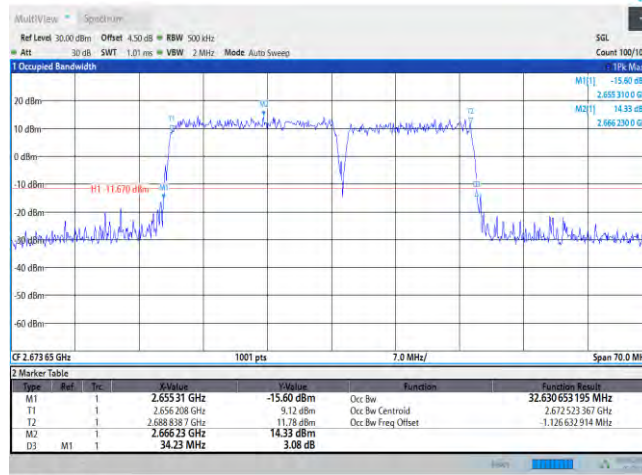


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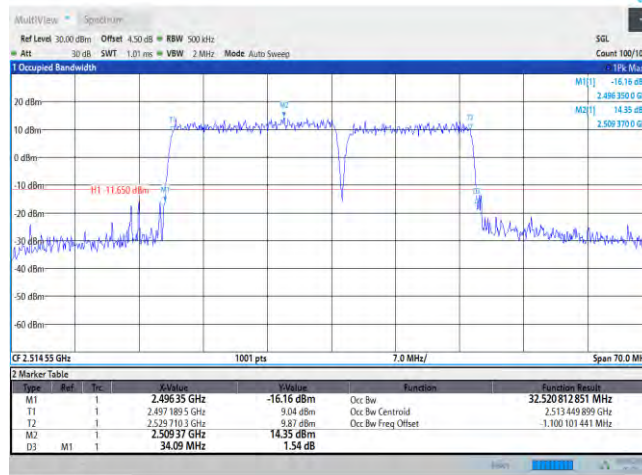


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41-41-20MHz-15MHz-64QAM-64QAM-39750-39921-100RB#0-75RB#0



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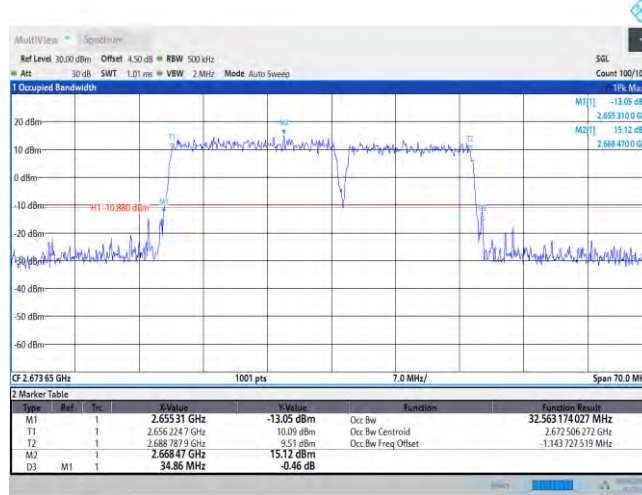
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02:53:11 08.06.2023

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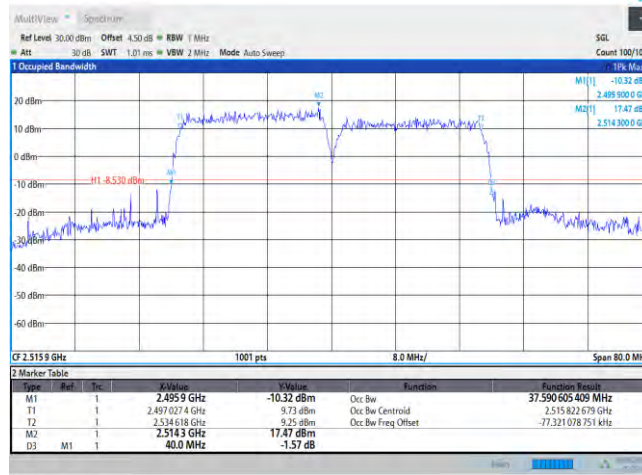
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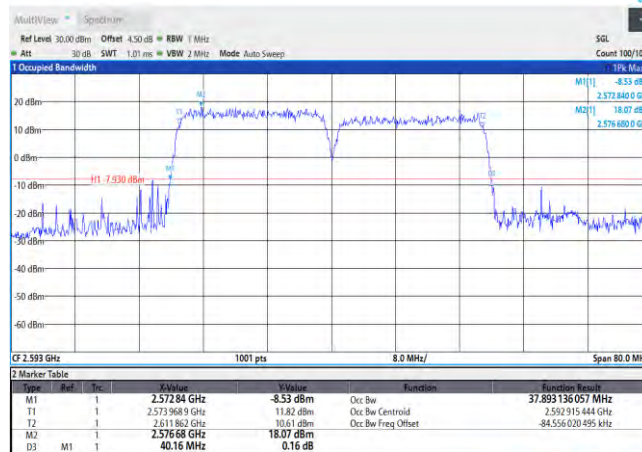
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0



02:55:41 08.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0



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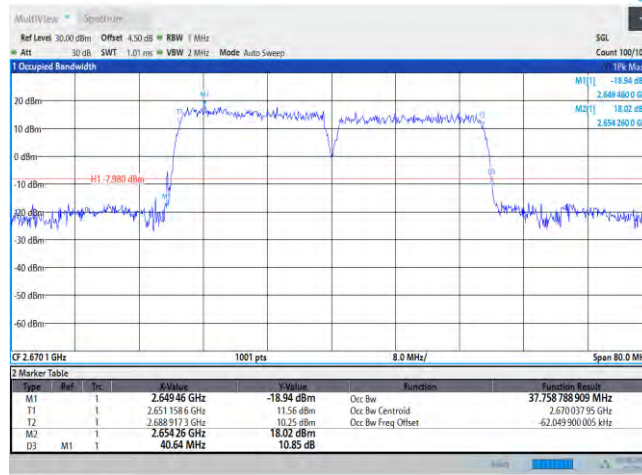


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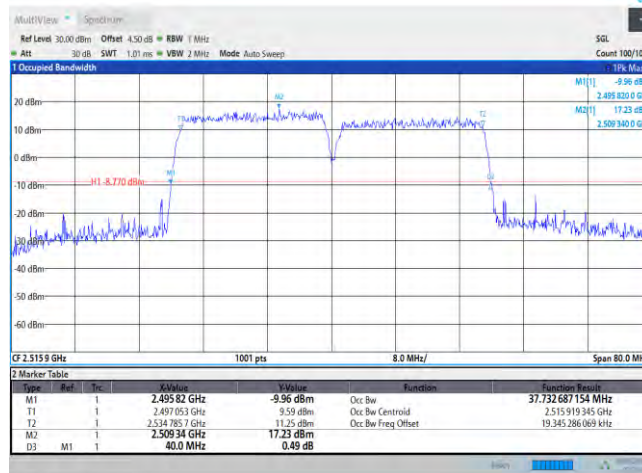


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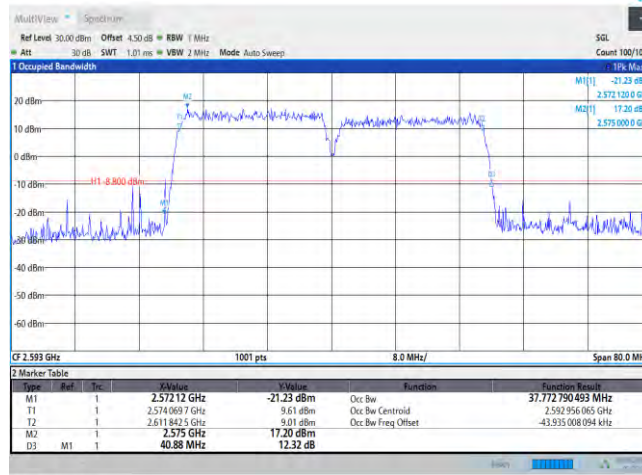
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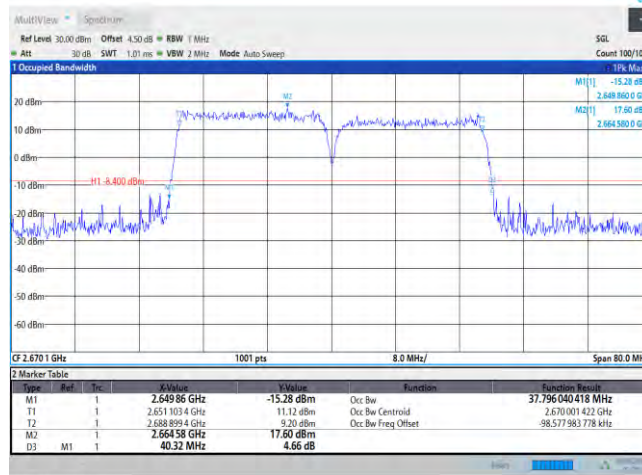
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41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0



02:58:00 09.06.2023

41-41-20MHz-20MHz-16QAM-16QAM-41292-41490-100RB#0-100RB#0



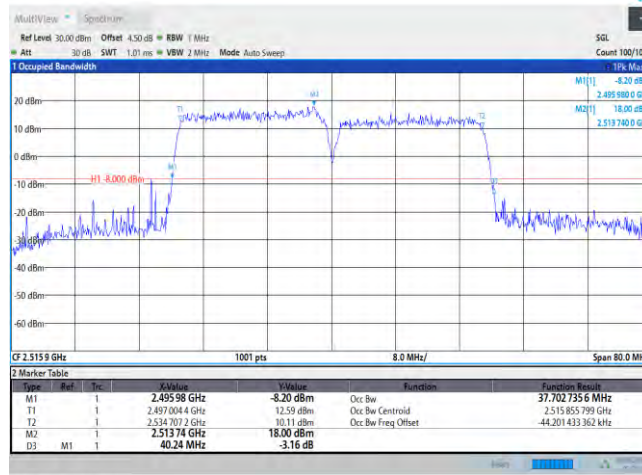
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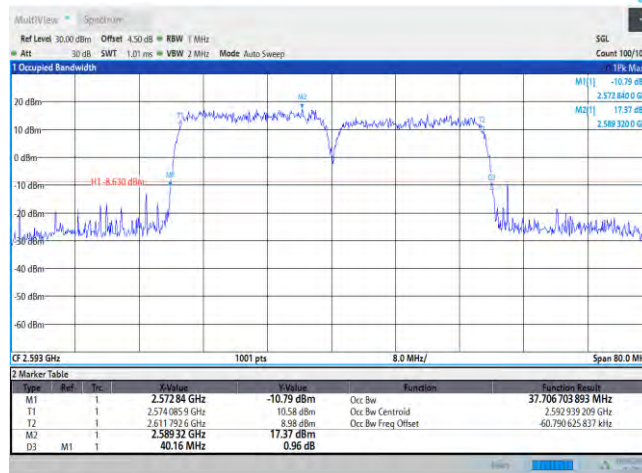
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41-41-20MHz-20MHz-64QAM-64QAM-39750-39948-100RB#0-100RB#0



02:56:39 08.06.2023

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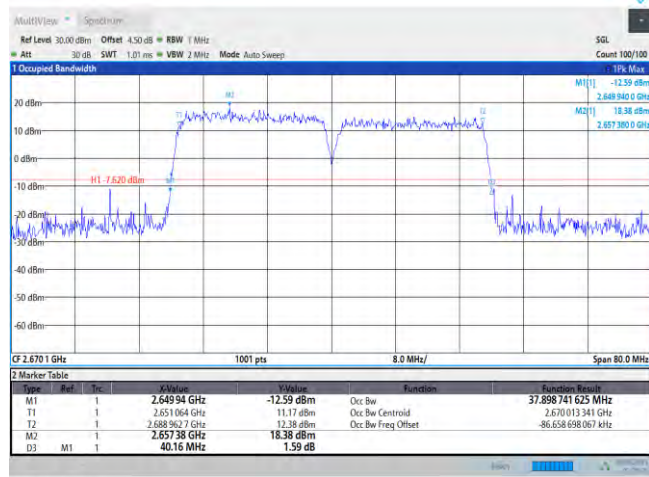


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41-41-20MHz-20MHz-64QAM-64QAM-41292-41490-100RB#0-100RB#0



02:59:59 08.06.2023

41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-100RB#0-25RB#0



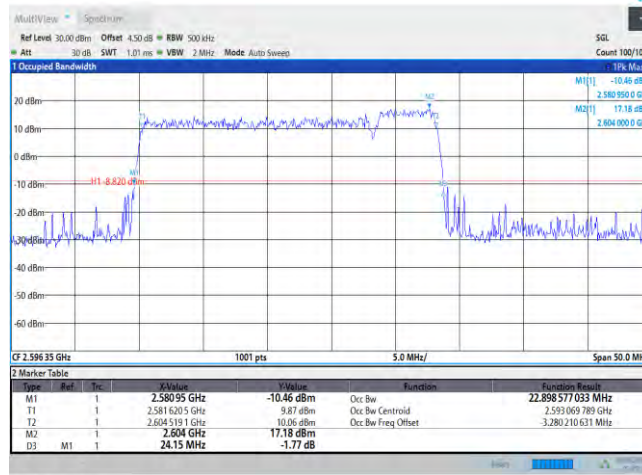
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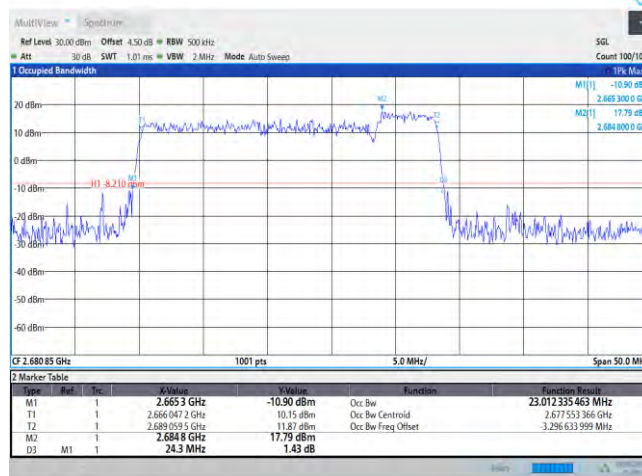
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41-41-20MHz-5MHz-QPSK-QPSK-40595-40712-100RB#0-25RB#0



02:47:15 08.06.2023

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02:48:45 08.06.2023



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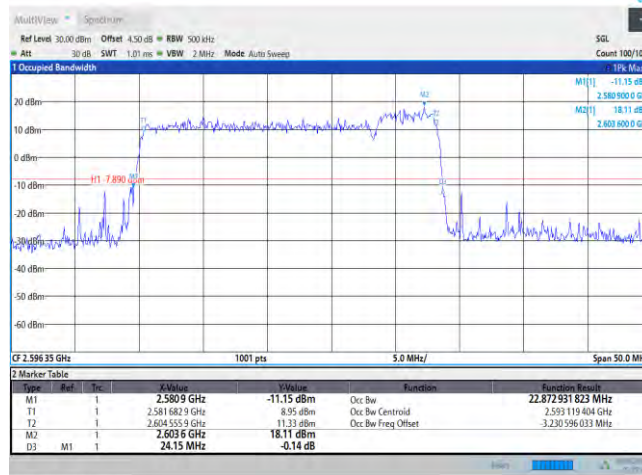
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41-41-20MHz-5MHz-16QAM-16QAM-39750-39867-100RB#0-25RB#0



02:46:14 09.06.2023

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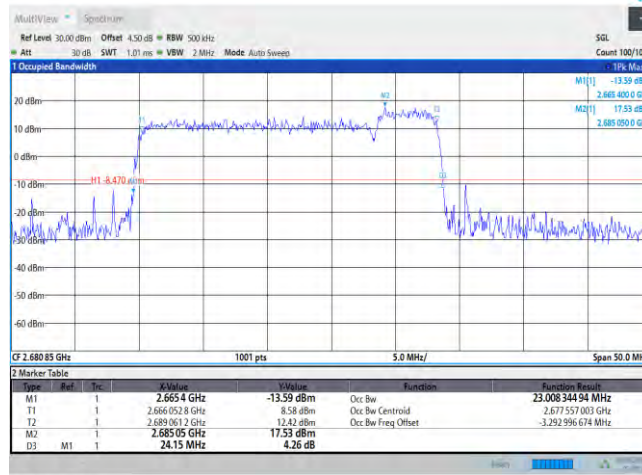


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41-41-20MHz-5MHz-16QAM-16QAM-41440-41557-100RB#0-25RB#0



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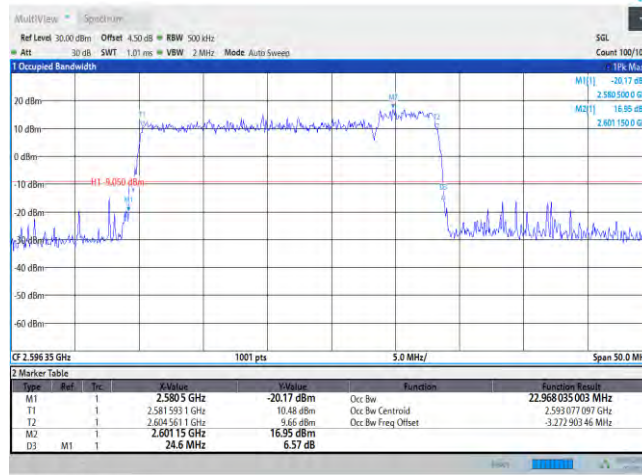
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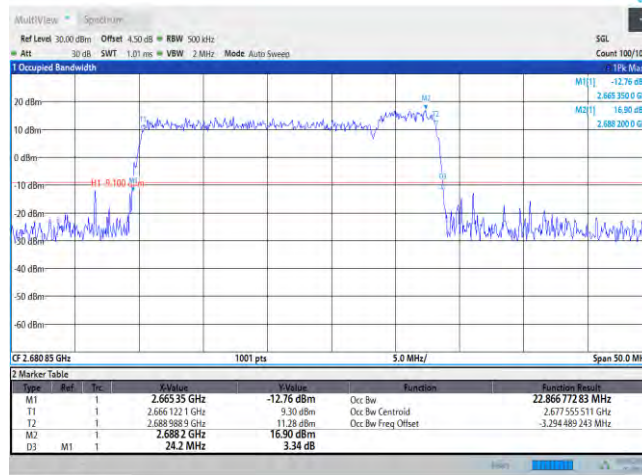
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41-41-20MHz-5MHz-64QAM-64QAM-40595-40712-100RB#0-25RB#0



02:48:13 09.06.2023

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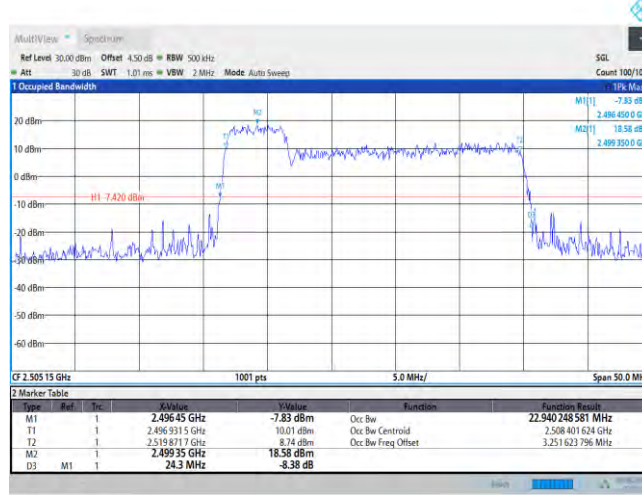


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41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-25RB#0-100RB#0



02:16:29 09.06.2023

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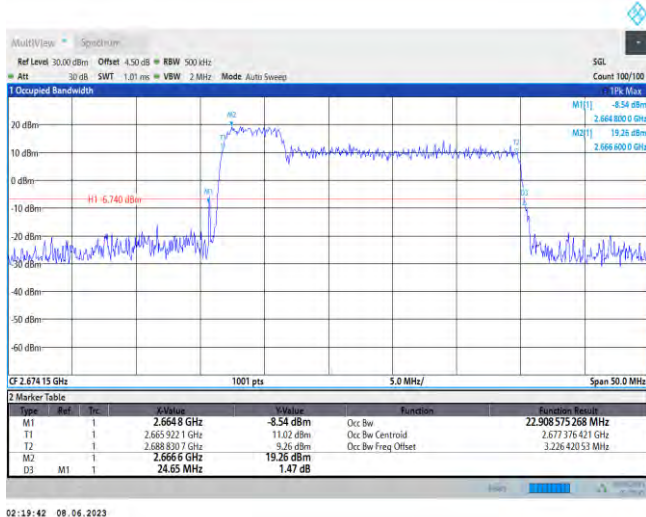


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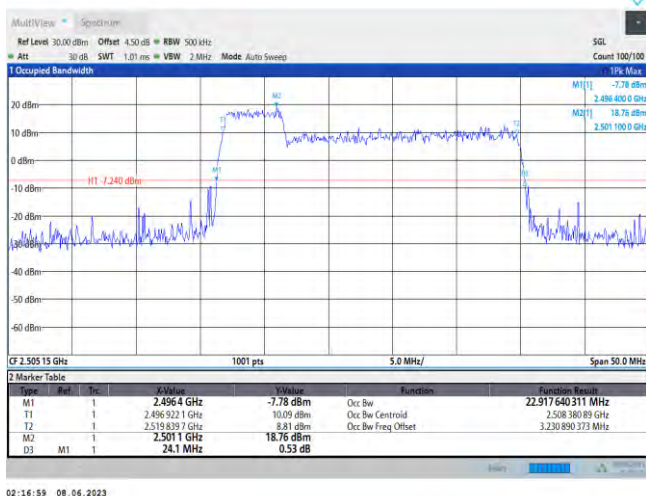


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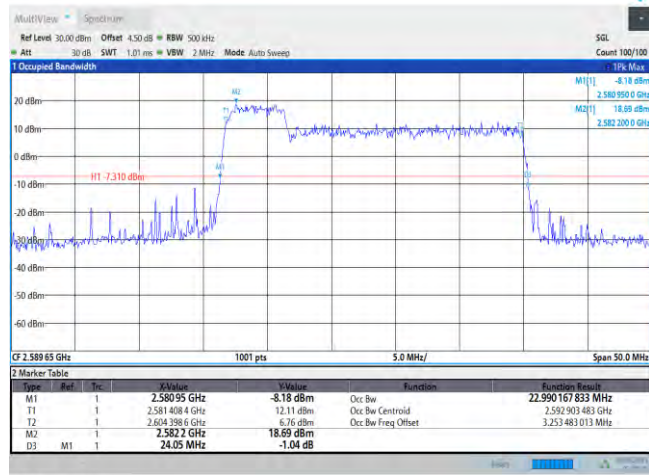


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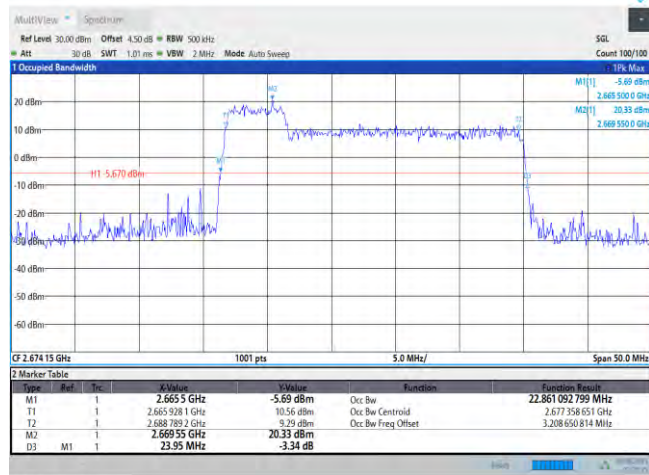
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41-41-5MHz-20MHz-16QAM-16QAM-40528-40645-25RB#0-100RB#0



02:18:31 08.06.2023

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02:20:11 08.06.2023



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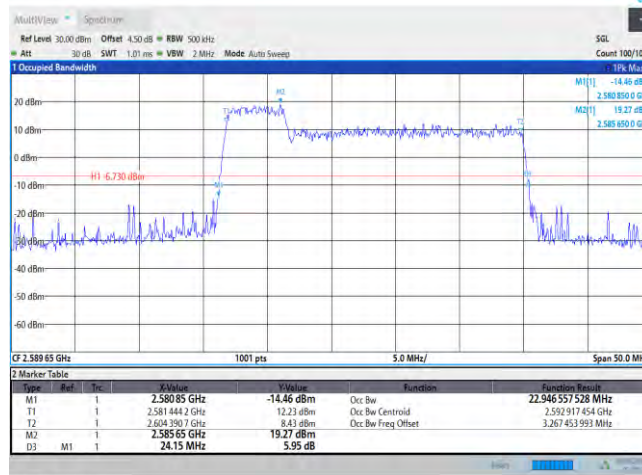
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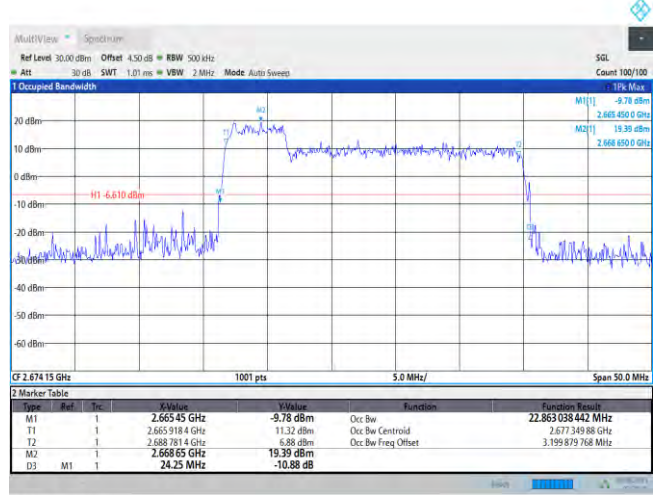


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41-41-5MHz-20MHz-64QAM-64QAM-41373-41490-25RB#0-100RB#0



02:20:40 08.06.2023



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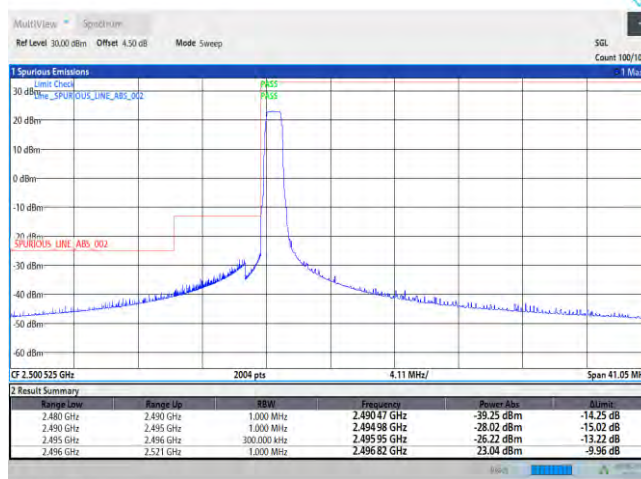
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## Band Edge

## Test Graphs

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-1RB#0-0RB#0



20:12:34 08.06.2023

41-41-10MHz-15MHz-QPSK-QPSK-39703-39823-50RB#0-75RB#0



17:00:06 29.05.2023



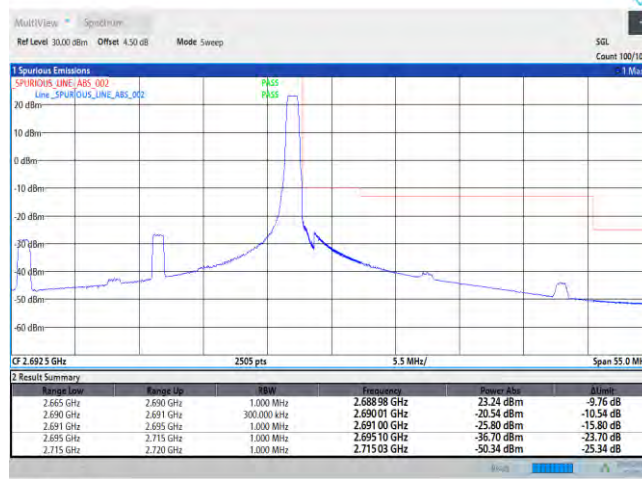
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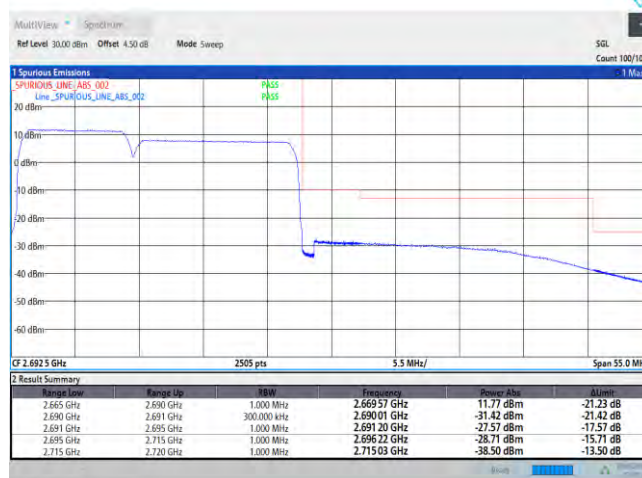
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41-41-10MHz-15MHz-QPSK-QPSK-41395-41515-0RB#0-1RB#74



17:04:56 29.05.2023

41-41-10MHz-15MHz-QPSK-QPSK-41395-41515-50RB#0-75RB#0



17:09:33 29.05.2023

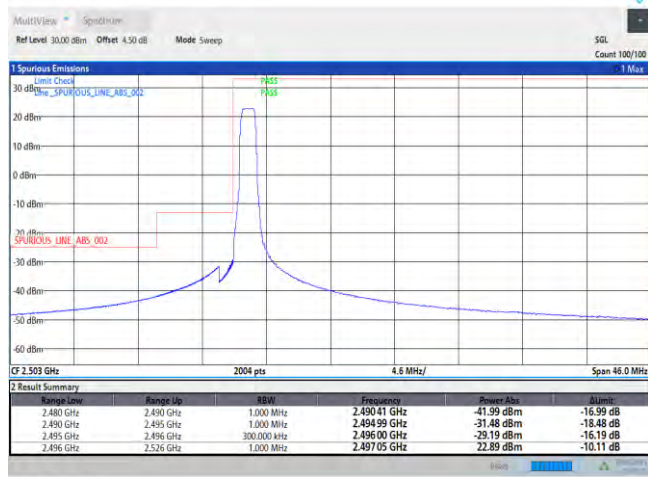


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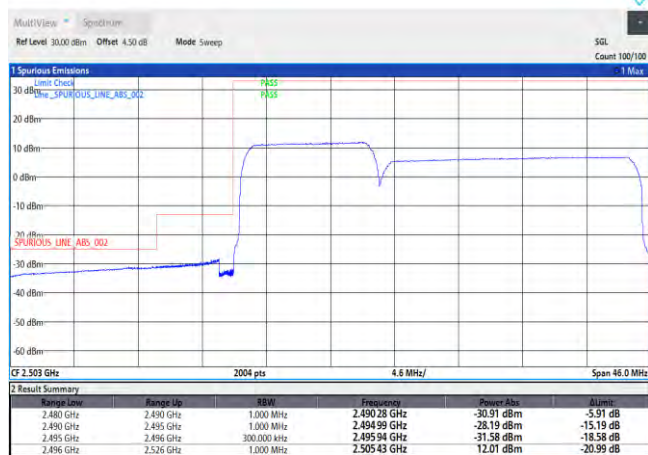


41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-1RB#0-0RB#0



18:49:22 29.05.2023

41-41-10MHz-20MHz-QPSK-QPSK-39705-39849-50RB#0-100RB#0



18:53:12 29.05.2023



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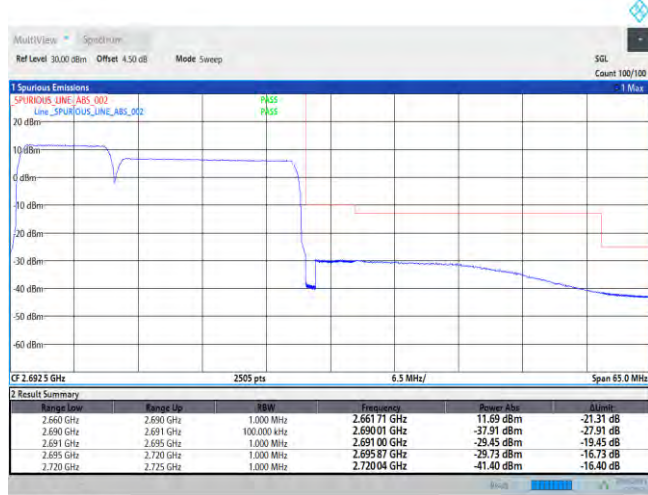
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41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-0RB#0-1RB#99



17:35:18 29.05.2023

41-41-10MHz-20MHz-QPSK-QPSK-41346-41490-50RB#0-100RB#0



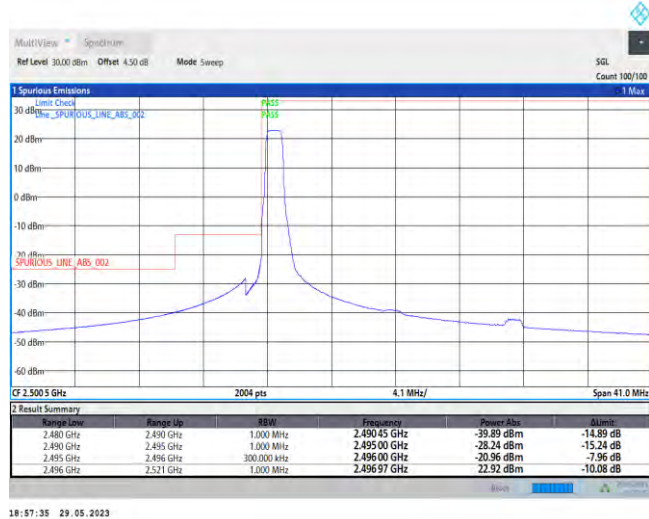
17:39:55 29.05.2023



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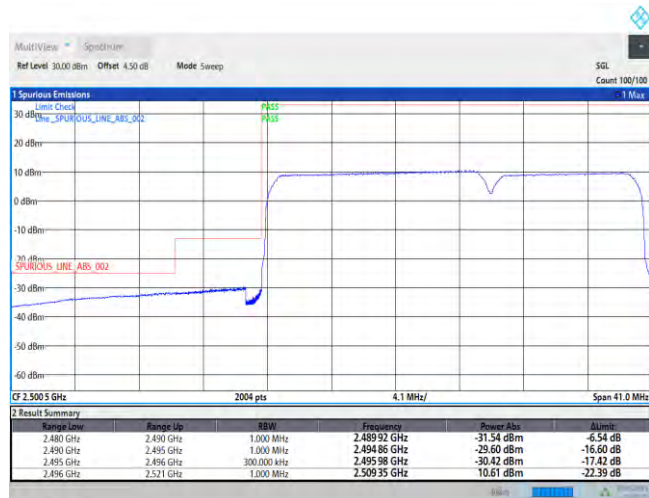
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41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-1RB#0-0RB#0



18:57:35 29.05.2023

41-41-15MHz-10MHz-QPSK-QPSK-39725-39845-75RB#0-50RB#0



19:01:22 29.05.2023

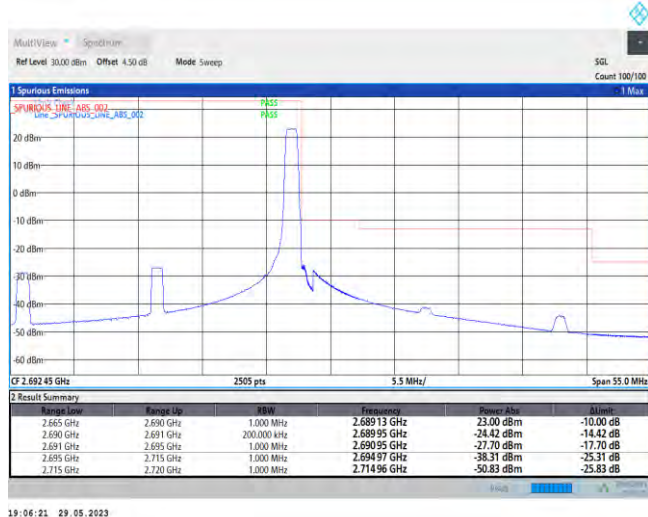


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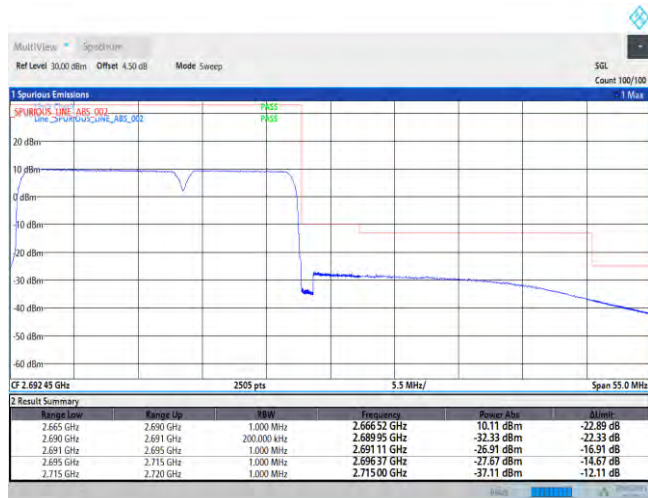


41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-0RB#0-1RB#49



19:06:21 29.05.2023

41-41-15MHz-10MHz-QPSK-QPSK-41417-41537-75RB#0-50RB#0



19:10:58 29.05.2023

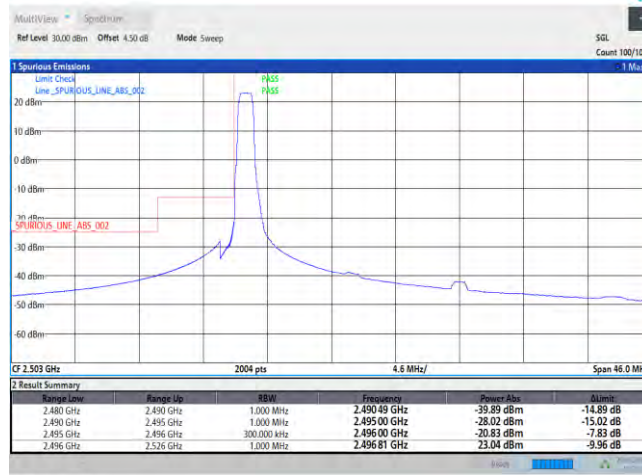


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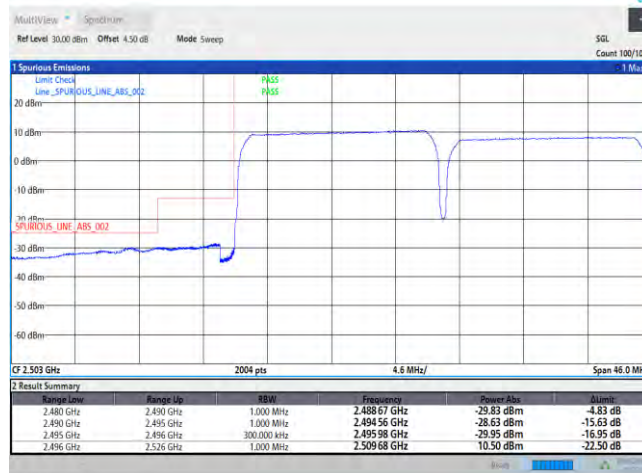
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41-41-15MHz-15MHz-QPSK-QPSK-39725-39875-1RB#0-0RB#0



19:51:28 29.05.2023

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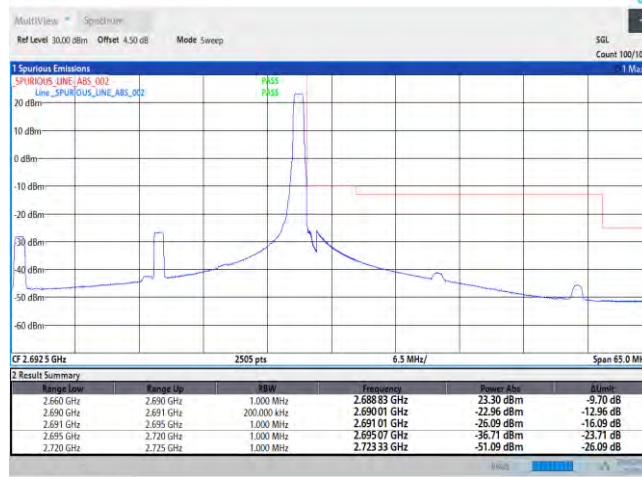
19:55:16 29.05.2023



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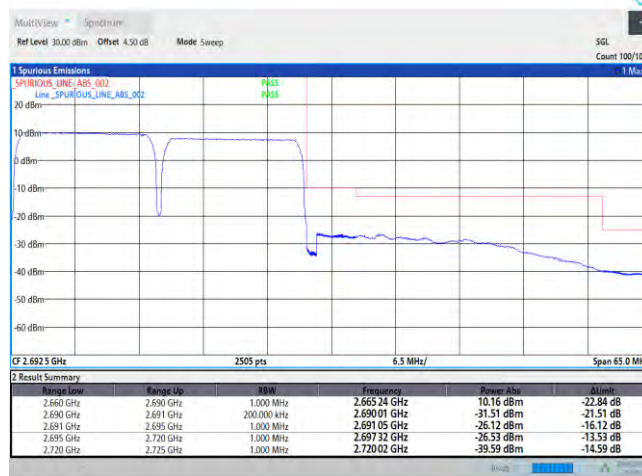
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41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-0RB#0-1RB#74



20:00:02 29.05.2023

41-41-15MHz-15MHz-QPSK-QPSK-41365-41515-75RB#0-75RB#0



20:04:39 29.05.2023

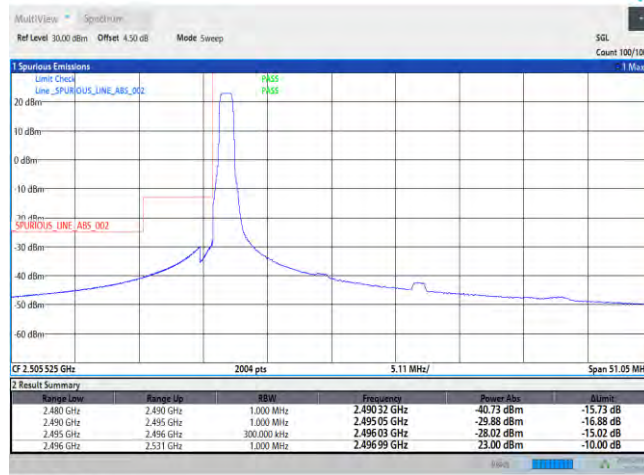


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41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-1RB#0-0RB#0



20:21:45 29.05.2023

41-41-15MHz-20MHz-QPSK-QPSK-39728-39899-75RB#0-100RB#0



20:25:32 29.05.2023



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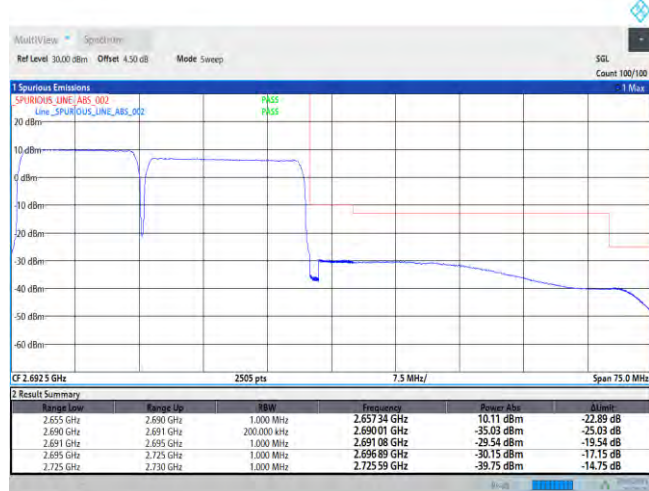
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41-41-15MHz-20MHz-QPSK-QPSK-41319-41490-0RB#0-1RB#99



20:30:22 29.05.2023

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20:34:59 29.05.2023



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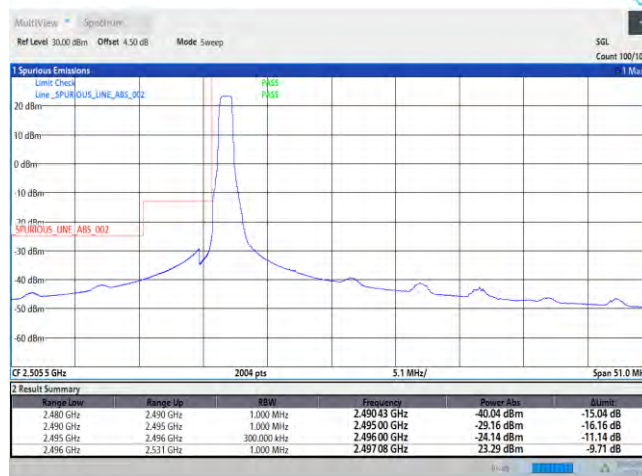
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41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-100RB#0-75RB#0



21:26:33 29.05.2023

41-41-20MHz-15MHz-QPSK-QPSK-39750-39921-1RB#0-0RB#0



21:22:43 29.05.2023



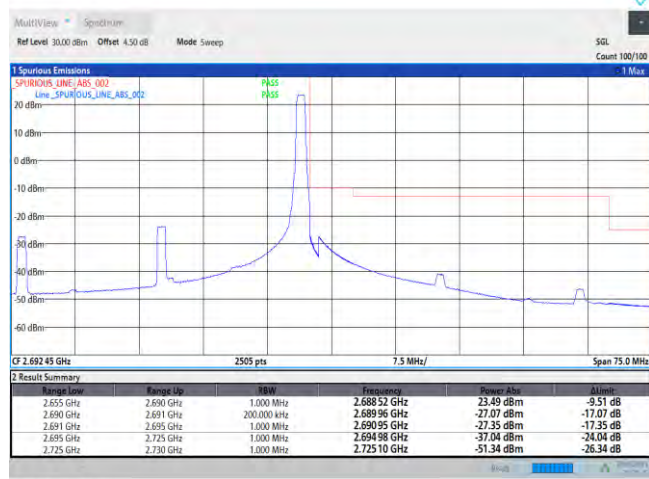
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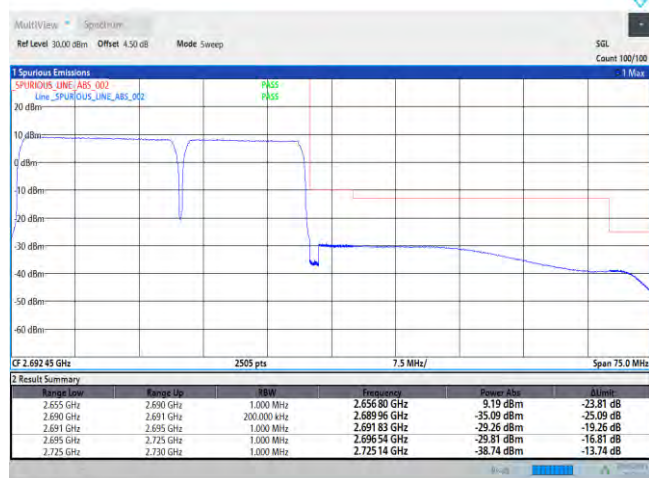


41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-0RB#0-1RB#74



21:31:35 29.05.2023

41-41-20MHz-15MHz-QPSK-QPSK-41341-41512-100RB#0-75RB#0



21:36:14 29.05.2023



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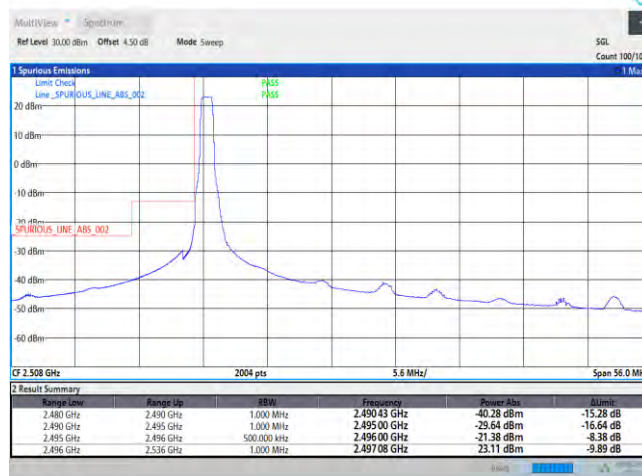
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0



03:07:45 08.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0



03:03:57 08.06.2023

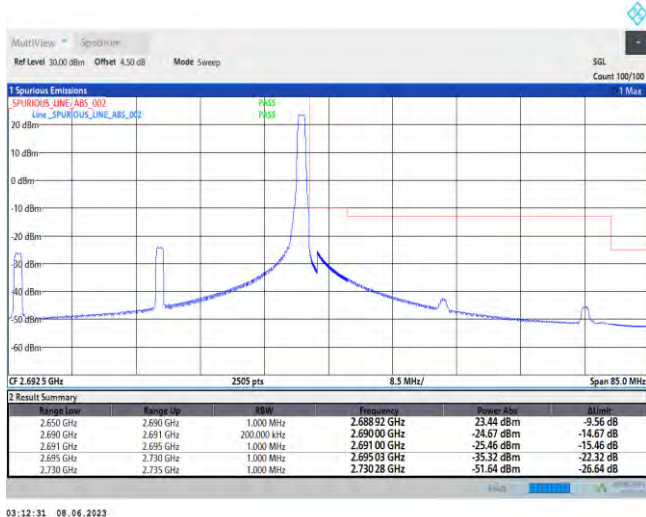


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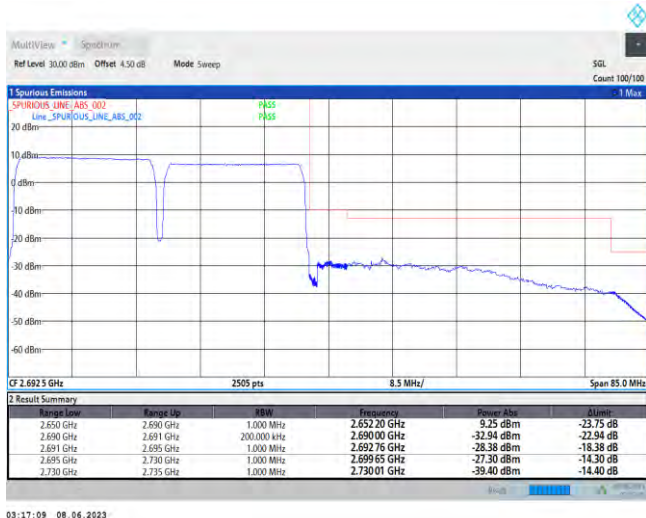
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-0RB#0-1RB#99



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-100RB#0-100RB#0



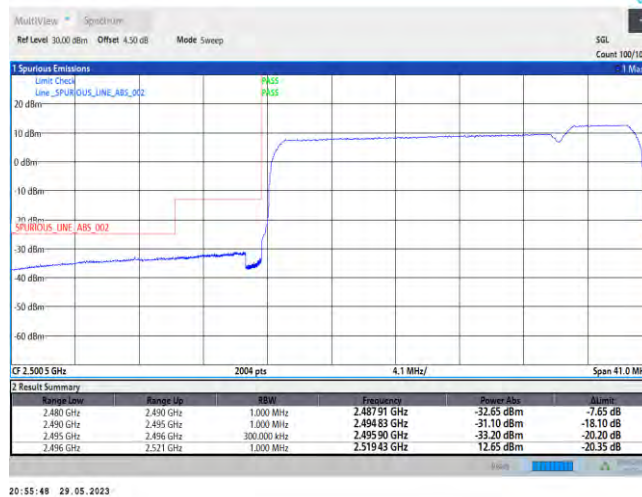
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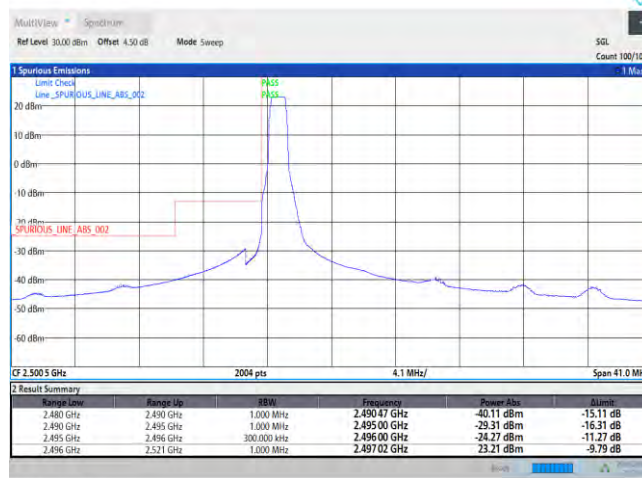


41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-100RB#0-25RB#0



20:55:48 29.05.2023

41-41-20MHz-5MHz-QPSK-QPSK-39750-39867-1RB#0-0RB#0



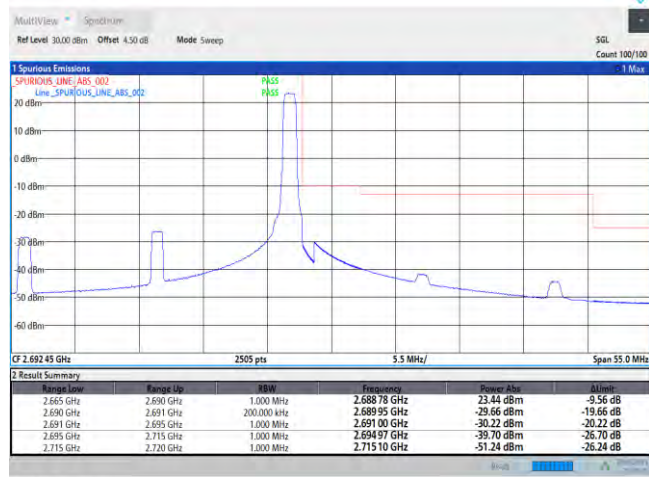
20:52:01 29.05.2023



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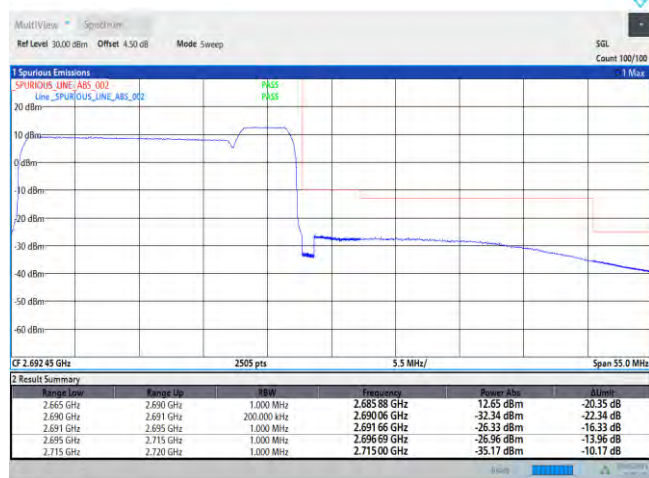
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41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-0RB#0-1RB#24



21:00:50 29.05.2023

41-41-20MHz-5MHz-QPSK-QPSK-41440-41557-100RB#0-25RB#0



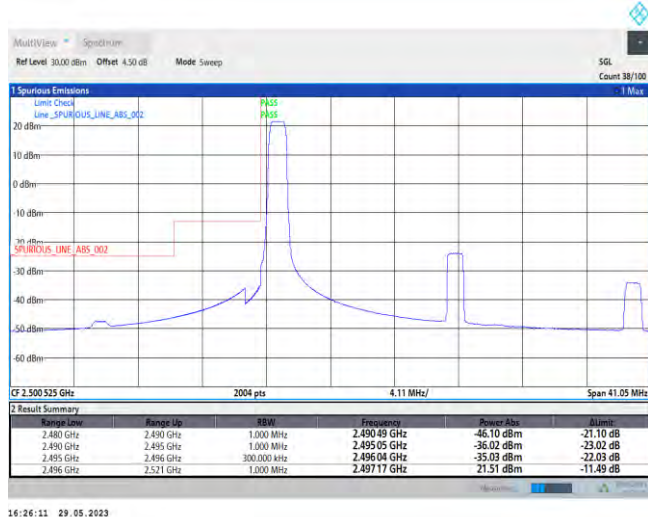
21:05:27 29.05.2023



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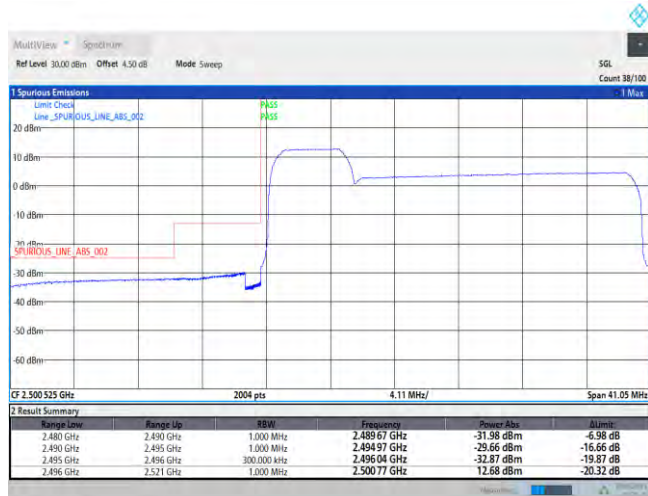
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41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-1RB#0-0RB#0



16:26:11 29.05.2023

41-41-5MHz-20MHz-QPSK-QPSK-39683-39800-25RB#0-100RB#0



16:31:39 29.05.2023

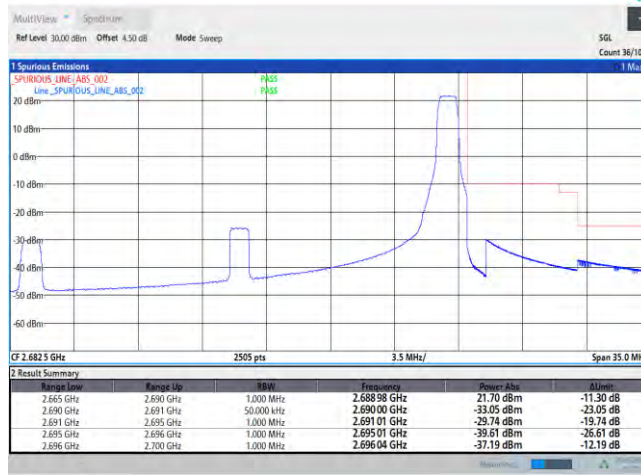


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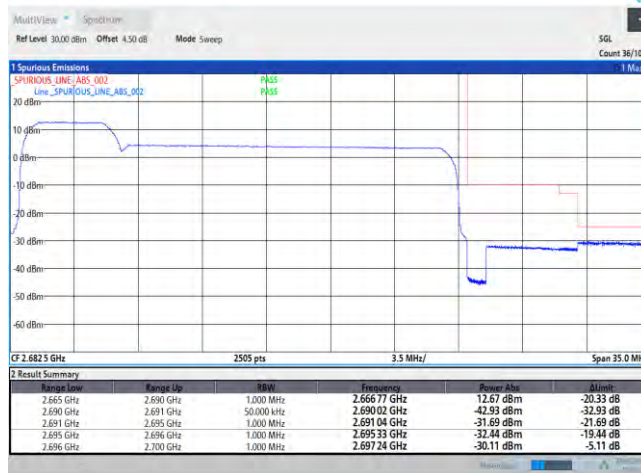


41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-0RB#0-1RB#99



16:37:29 29.05.2023

41-41-5MHz-20MHz-QPSK-QPSK-41373-41490-25RB#0-100RB#0



16:42:59 29.05.2023



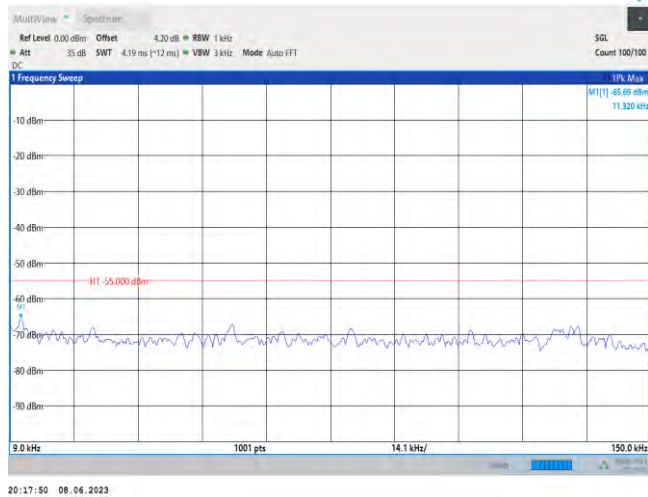
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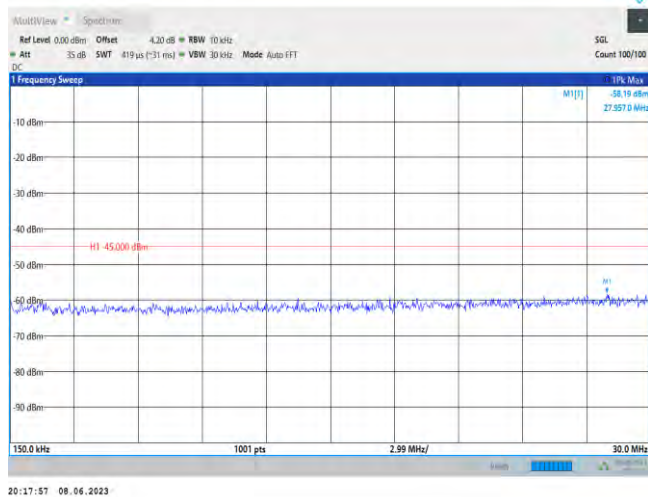
## Conducted Spurious Emission

### Test Graphs

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-0.009~0.15MHz



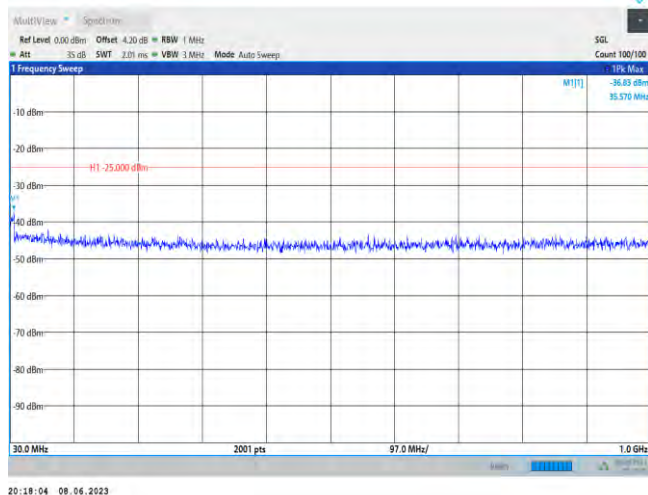
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-0.15~30MHz



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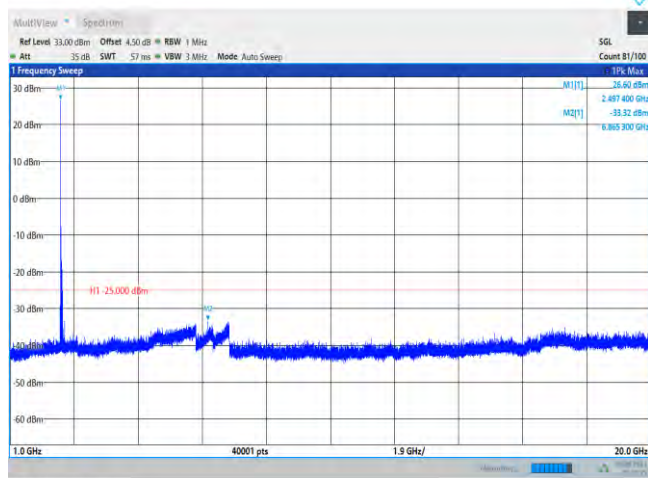
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-30~1000MHz



20:18:04 09.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-1000~20000MHz



20:18:15 09.06.2023

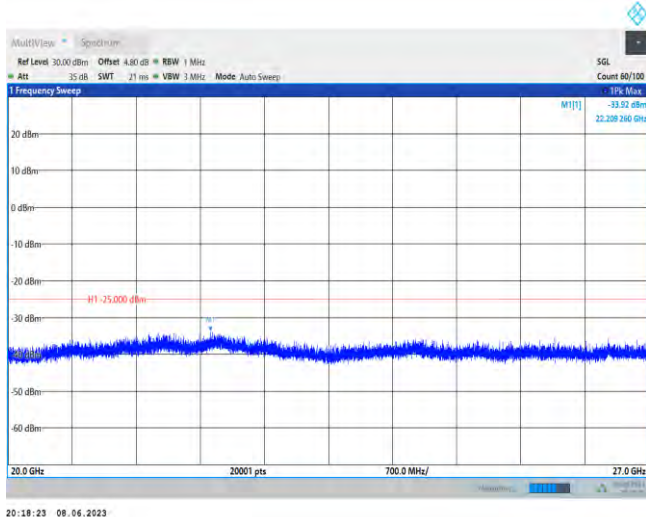


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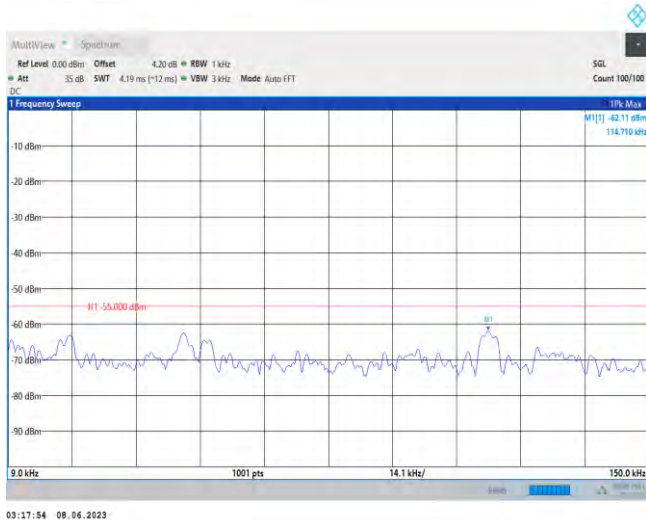
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41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#0-0RB#0-20000~27000MHz



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.009~0.15MHz

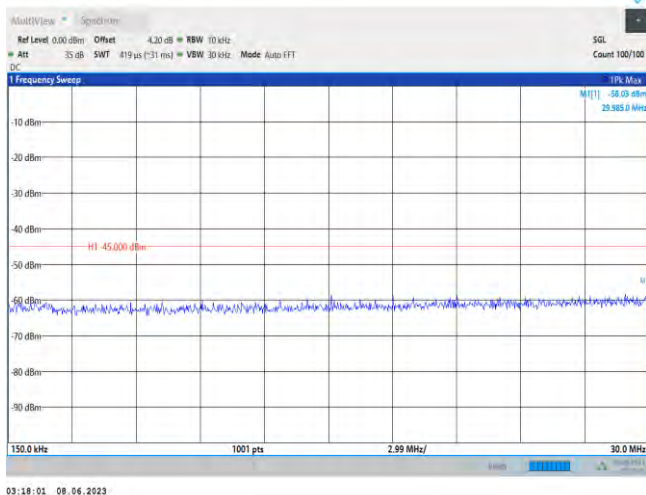


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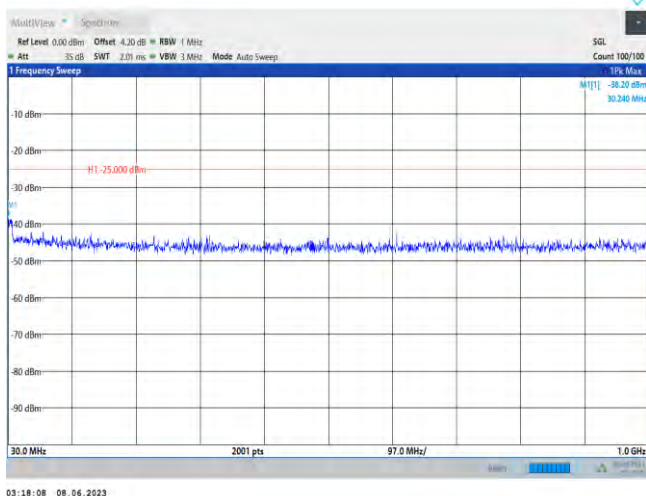
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.15~30MHz



03:18:01 09.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-30~1000MHz



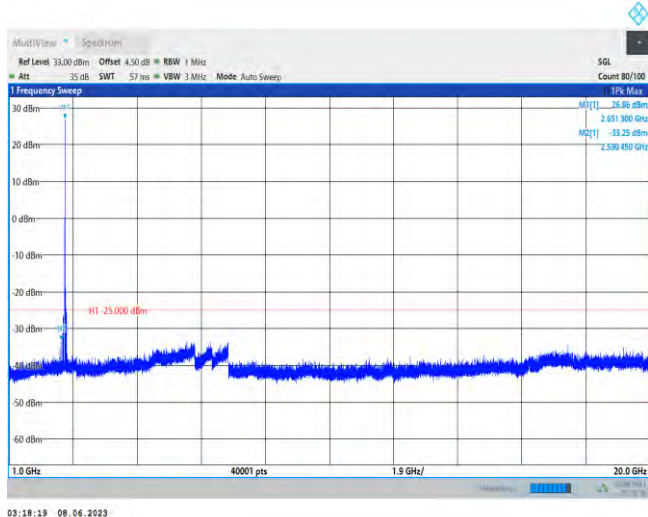
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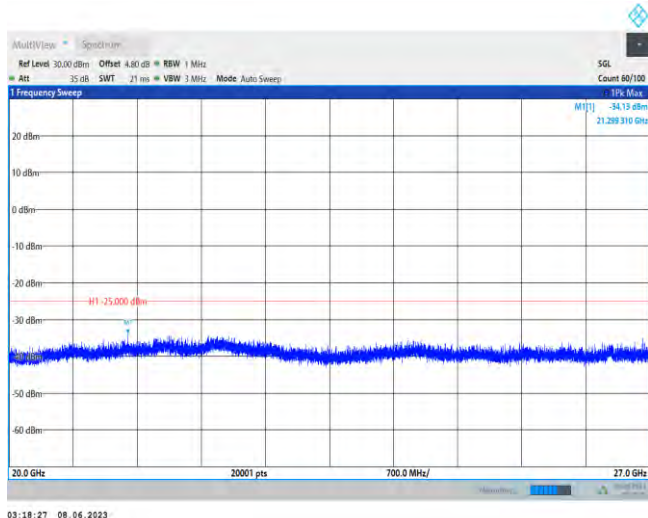
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-1000~20000MHz



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-20000~27000MHz



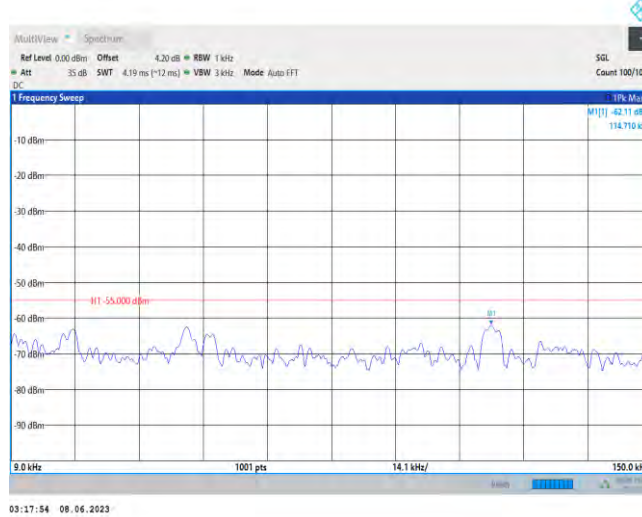
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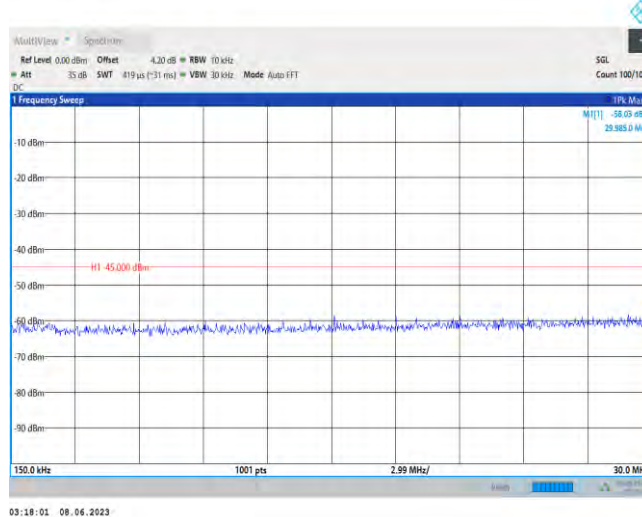
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-0.009~0.15MHz



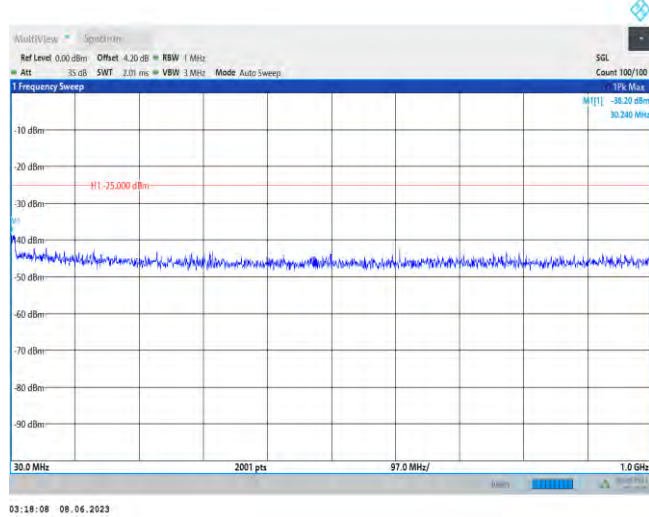
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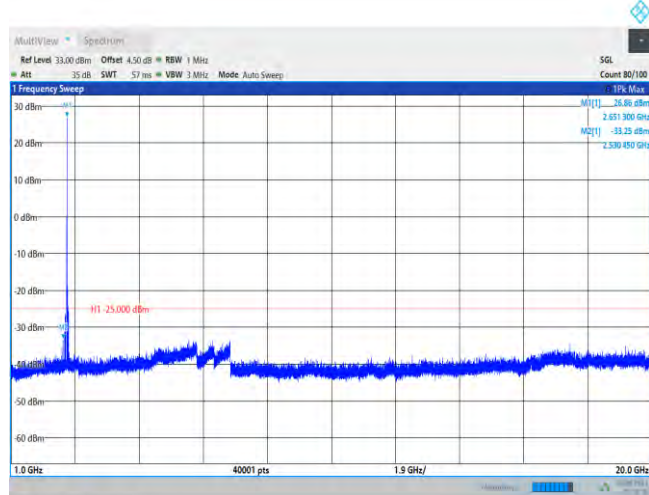
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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-30~1000MHz



03:18:08 08.06.2023

41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-1000~20000MHz



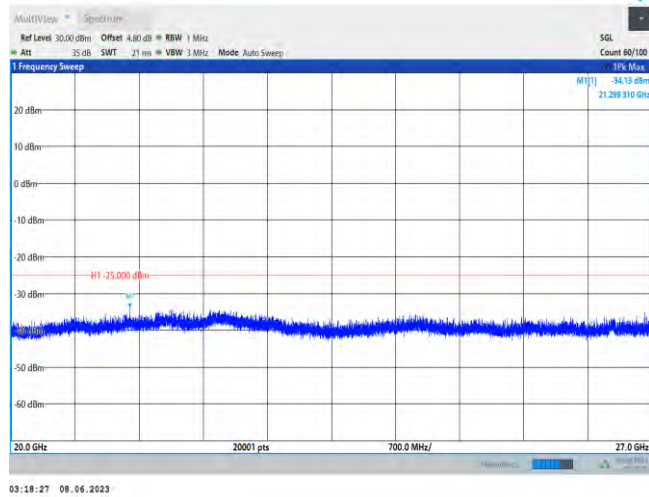
03:18:19 08.06.2023



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41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#0-0RB#0-20000~27000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE Band41CA\_ TM1

Test Channel = Low ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	40.80	-45.63	32.86	-67.23	-25.00	42.23	152	255	Horizontal
2	7491.2700	39.46	-43.16	36.44	-62.52	-25.00	37.52	158	360	Horizontal
3	9988.3600	34.15	-39.25	38.47	-61.89	-25.00	36.89	188	357	Horizontal
4	12485.4500	28.35	-37.04	39.16	-64.79	-25.00	39.79	235	118	Horizontal
5	14982.5400	26.87	-34.64	39.26	-63.77	-25.00	38.77	263	194	Horizontal
6	17479.6300	30.20	-35.10	39.13	-61.03	-25.00	36.03	149	148	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	41.12	-45.63	32.86	-66.91	-25.00	41.91	159	239	Vertical
2	7491.2700	38.58	-43.16	36.44	-63.40	-25.00	38.40	166	0	Vertical
3	9988.3600	33.48	-39.25	38.47	-62.56	-25.00	37.56	132	195	Vertical
4	12485.4500	29.13	-37.04	39.16	-64.01	-25.00	39.01	158	178	Vertical
5	14982.5400	26.68	-34.64	39.26	-63.96	-25.00	38.96	232	2	Vertical
6	17479.6300	30.23	-35.10	39.13	-61.00	-25.00	36.00	182	29	Vertical



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Test Band = LTE Band41CA\_ TM1

Test Channel = Mid ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4092	42.81	-45.78	30.94	-67.29	-25.00	42.29	147	256	Horizontal
2	5148.3800	40.15	-45.33	32.96	-67.47	-25.00	42.47	263	90	Horizontal
3	7722.5700	38.46	-42.94	36.63	-63.11	-25.00	38.11	259	44	Horizontal
4	10296.7600	32.82	-39.10	38.83	-62.71	-25.00	37.71	187	30	Horizontal
5	12870.9500	30.21	-37.03	39.70	-62.38	-25.00	37.38	144	149	Horizontal
6	15445.1400	27.58	-34.35	38.65	-63.38	-25.00	38.38	132	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	3919.5	43.59	-46.23	30.61	-67.29	-25.00	42.29	118	134	Vertical
2	5148.3800	40.48	-45.33	32.96	-67.14	-25.00	42.14	148	0	Vertical
3	7722.5700	38.32	-42.94	36.63	-63.25	-25.00	38.25	132	134	Vertical
4	10296.7600	33.42	-39.10	38.83	-62.11	-25.00	37.11	159	105	Vertical
5	12870.9500	29.72	-37.03	39.70	-62.87	-25.00	37.87	266	60	Vertical
6	15445.1400	27.55	-34.35	38.65	-63.41	-25.00	38.41	287	16	Vertical



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Test Band = LTE Band41CA\_ TM1

Test Channel = High ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4002	43.18	-46.03	30.80	-67.31	-25.00	42.31	102	286	Horizontal
2	5302.5800	39.97	-45.10	32.89	-67.49	-25.00	42.49	145	360	Horizontal
3	7953.8700	37.53	-42.56	36.96	-63.34	-25.00	38.34	187	135	Horizontal
4	10605.1600	32.67	-38.44	39.06	-61.96	-25.00	36.96	263	359	Horizontal
5	13256.4500	28.88	-37.02	39.99	-63.41	-25.00	38.41	133	255	Horizontal
6	15907.5400	27.87	-34.35	38.02	-63.72	-25.00	38.72	158	255	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4074	43.01	-45.83	30.91	-67.17	-25.00	42.17	204	104	Vertical
2	5302.5800	40.75	-45.10	32.89	-66.71	-25.00	41.71	183	346	Vertical
3	7953.8700	37.57	-42.56	36.96	-63.30	-25.00	38.30	253	0	Vertical
4	10605.1600	31.94	-38.44	39.06	-62.69	-25.00	37.69	145	356	Vertical
5	13256.4500	29.11	-37.02	39.99	-63.18	-25.00	38.18	196	0	Vertical
6	15907.5400	27.86	-34.35	38.02	-63.73	-25.00	38.73	231	240	Vertical



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Test Band = LTE Band41CA\_ TM1

Test Channel = Low ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	40.71	-45.63	32.86	-67.32	-25.00	42.32	223	355	Horizontal
2	7491.2700	38.69	-43.16	36.44	-63.29	-25.00	38.29	158	230	Horizontal
3	9988.3600	34.06	-39.25	38.47	-61.98	-25.00	36.98	147	91	Horizontal
4	12485.4500	28.93	-37.04	39.16	-64.21	-25.00	39.21	163	319	Horizontal
5	14982.5400	27.20	-34.64	39.26	-63.44	-25.00	38.44	252	31	Horizontal
6	17479.6300	30.03	-35.10	39.13	-61.20	-25.00	36.20	143	31	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	41.06	-45.63	32.86	-66.97	-25.00	41.97	145	0	Vertical
2	7491.2700	38.49	-43.16	36.44	-63.49	-25.00	38.49	166	122	Vertical
3	9988.3600	34.17	-39.25	38.47	-61.87	-25.00	36.87	158	136	Vertical
4	12485.4500	28.56	-37.04	39.16	-64.58	-25.00	39.58	232	3	Vertical
5	14982.5400	27.18	-34.64	39.26	-63.46	-25.00	38.46	238	243	Vertical
6	17479.6300	30.01	-35.10	39.13	-61.22	-25.00	36.22	169	168	Vertical



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Test Band = LTE Band41CA\_ TM1

Test Channel = Mid ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4078.5	42.76	-45.82	30.92	-67.40	-25.00	42.40	112	150	Horizontal
2	5148.3800	40.95	-45.33	32.96	-66.67	-25.00	41.67	154	286	Horizontal
3	7722.5700	38.48	-42.94	36.63	-63.09	-25.00	38.09	123	359	Horizontal
4	10296.7600	33.48	-39.10	38.83	-62.05	-25.00	37.05	158	360	Horizontal
5	12870.9500	30.14	-37.03	39.70	-62.45	-25.00	37.45	169	353	Horizontal
6	15445.1400	28.34	-34.35	38.65	-62.62	-25.00	37.62	256	165	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4074.75	42.88	-45.83	30.91	-67.30	-25.00	42.30	156	272	Vertical
2	5148.3800	39.99	-45.33	32.96	-67.63	-25.00	42.63	146	106	Vertical
3	7722.5700	38.25	-42.94	36.63	-63.32	-25.00	38.32	233	226	Vertical
4	10296.7600	32.73	-39.10	38.83	-62.80	-25.00	37.80	158	166	Vertical
5	12870.9500	29.41	-37.03	39.70	-63.18	-25.00	38.18	169	272	Vertical
6	15445.1400	27.96	-34.35	38.65	-63.00	-25.00	38.00	258	226	Vertical



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**Test Band = LTE Band41CA\_ TM1**  
**Test Channel = High ANT4**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3973.5	43.14	-46.10	30.74	-67.49	-25.00	42.49	102	286	Horizontal
2	5302.5800	40.31	-45.10	32.89	-67.15	-25.00	42.15	154	180	Horizontal
3	7953.8700	37.68	-42.56	36.96	-63.19	-25.00	38.19	144	30	Horizontal
4	10605.1600	32.26	-38.44	39.06	-62.37	-25.00	37.37	187	4	Horizontal
5	13256.4500	29.50	-37.02	39.99	-62.79	-25.00	37.79	159	91	Horizontal
6	15907.5400	27.97	-34.35	38.02	-63.62	-25.00	38.62	196	4	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3918	43.44	-46.24	30.61	-67.45	-25.00	42.45	203	89	Vertical
2	5302.5800	40.45	-45.10	32.89	-67.01	-25.00	42.01	144	242	Vertical
3	7953.8700	37.37	-42.56	36.96	-63.50	-25.00	38.50	258	0	Vertical
4	10605.1600	31.90	-38.44	39.06	-62.73	-25.00	37.73	269	120	Vertical
5	13256.4500	29.03	-37.02	39.99	-63.26	-25.00	38.26	147	60	Vertical
6	15907.5400	28.11	-34.35	38.02	-63.48	-25.00	38.48	132	74	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
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VH	NT	37.00	0.014324	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VL	NT	37.80	0.014634	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	VN	NT	36.20	0.014014	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	50	37.40	0.014479	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	40	37.10	0.014363	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	30	36.90	0.014285	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	20	38.80	0.015021	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	10	38.80	0.015021	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	0	37.90	0.014672	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-10	36.80	0.014246	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-20	37.20	0.014401	PASS
41-41	20MHz -20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	NV	-30	35.60	0.013782	PASS

---End of Attachment---



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