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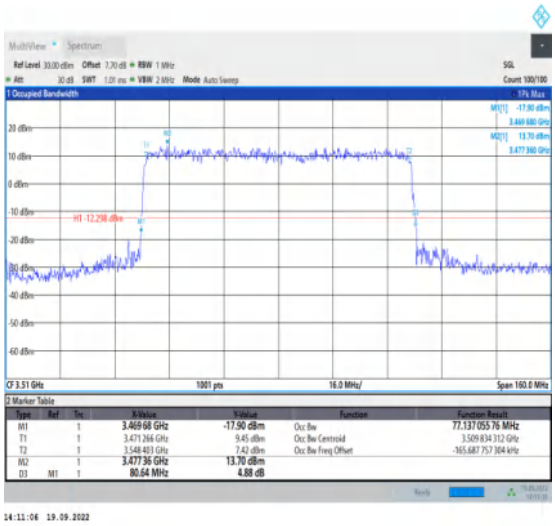

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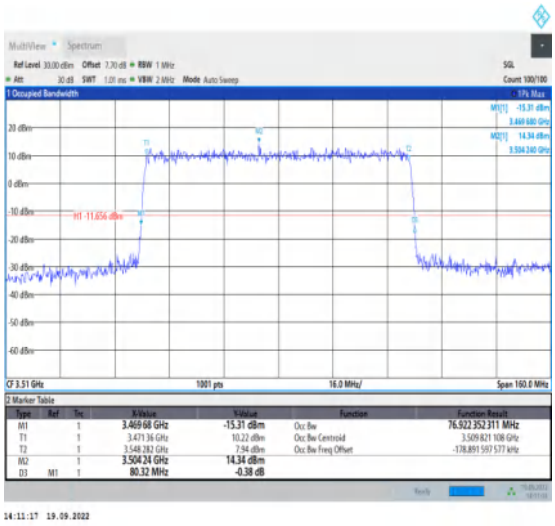

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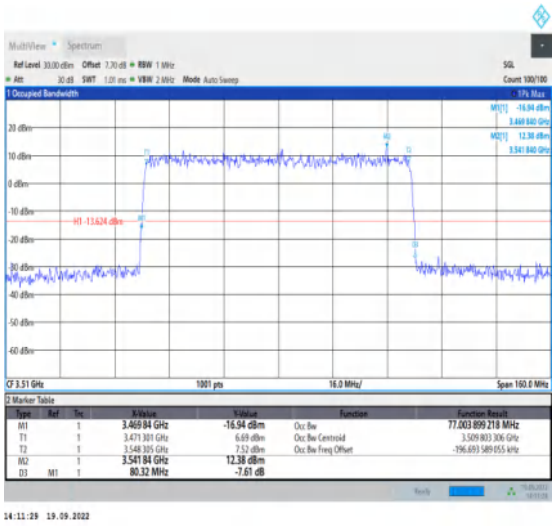

1-N78-3450-3550--30-80-H-5-DFT-256QAM-Outer_Full-216@0-Ant1-77.004-80.320-≤80-PASS

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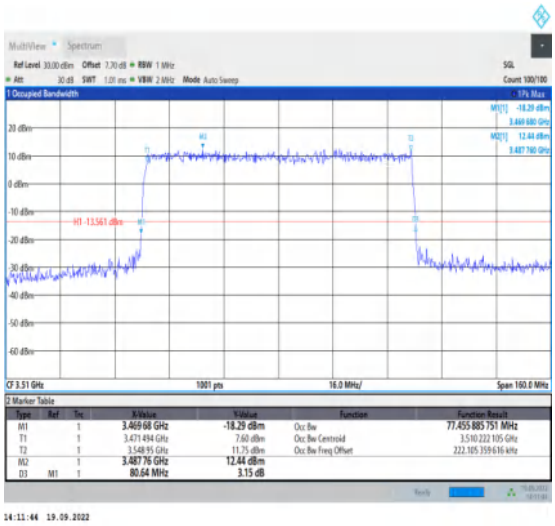

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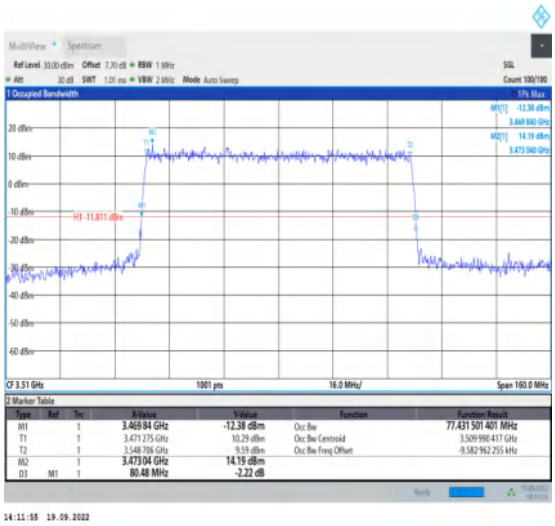

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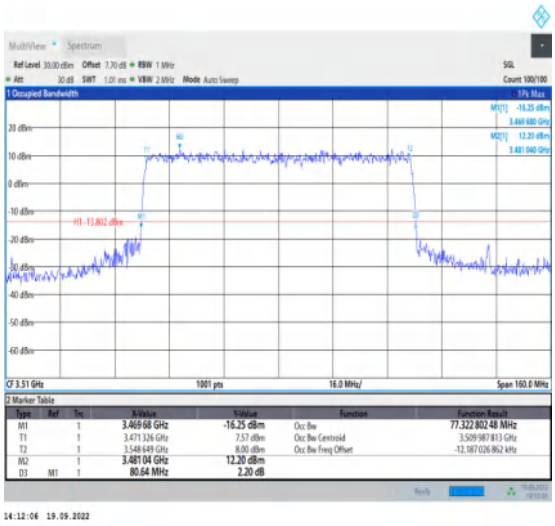

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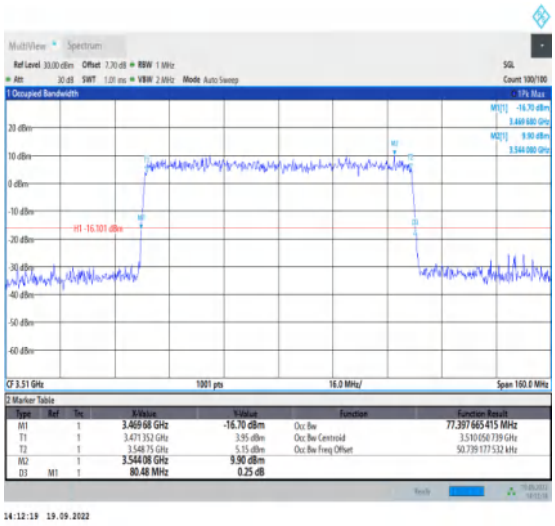

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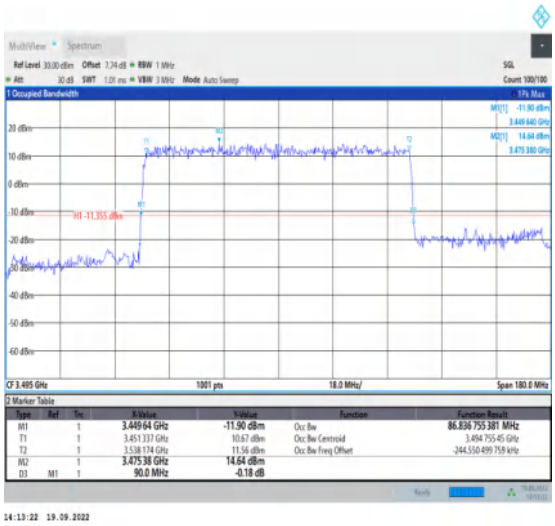

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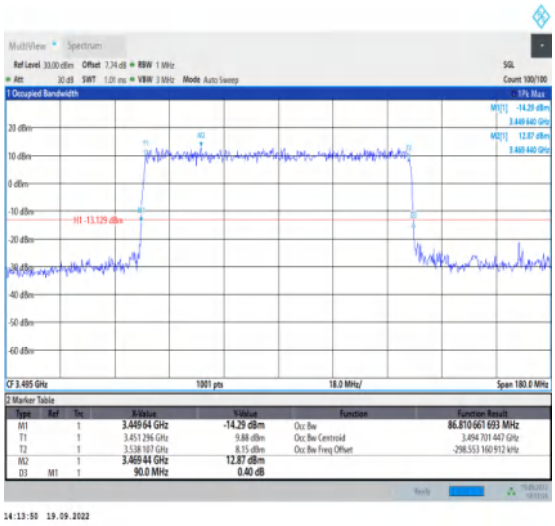

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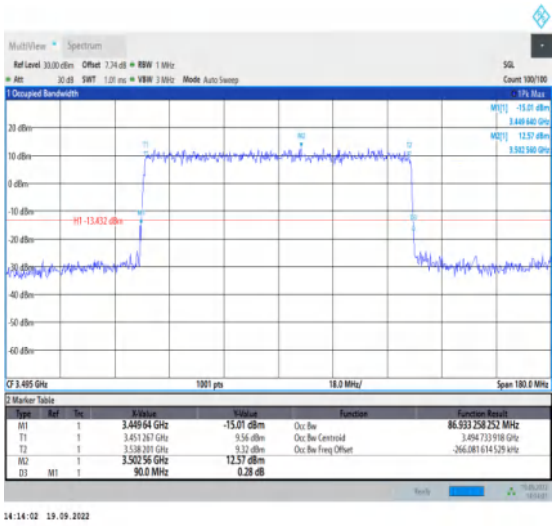

1-N78-3450-3550--30-90-L-4-DFT-64QAM-Outer_Full-243@0-Ant1-86.933-90.000-≤90-PASS

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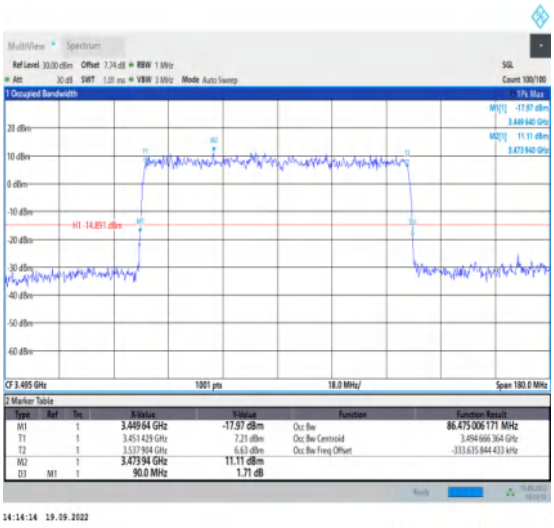

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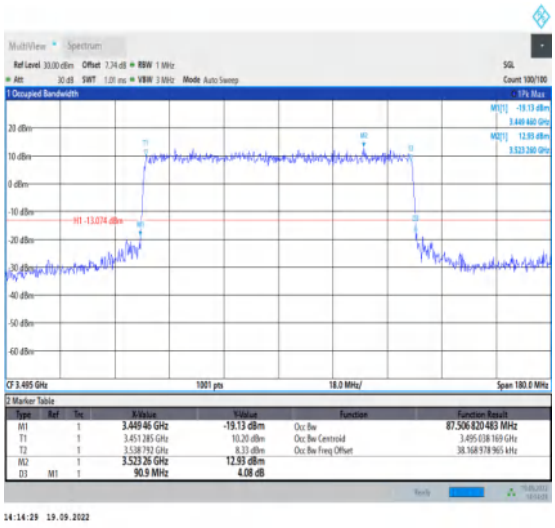

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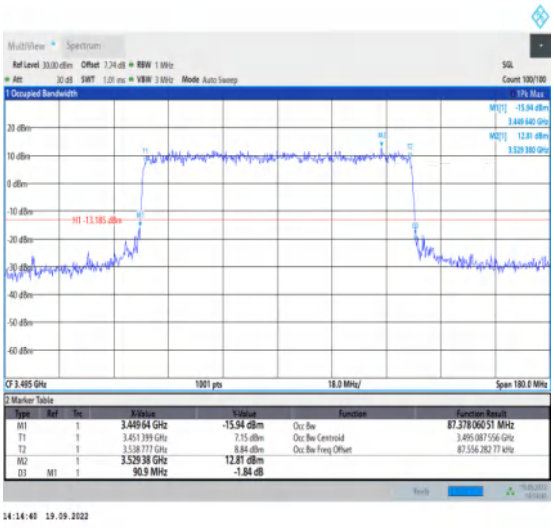

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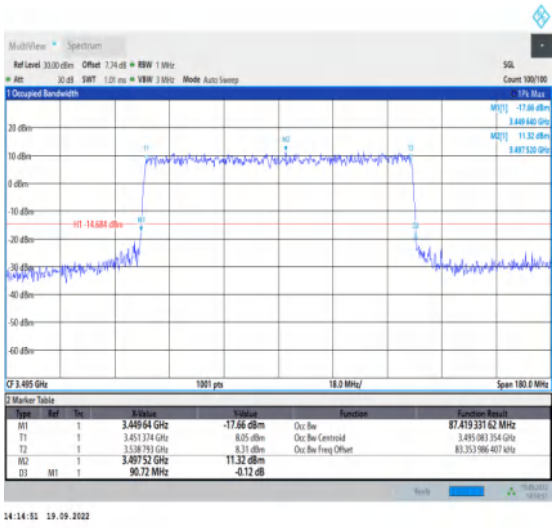

1-N78-3450-3550--30-90-L-8-CP-64QAM-Outer_Full-245@0-Ant1-87.419-90.720-≤90-PASS

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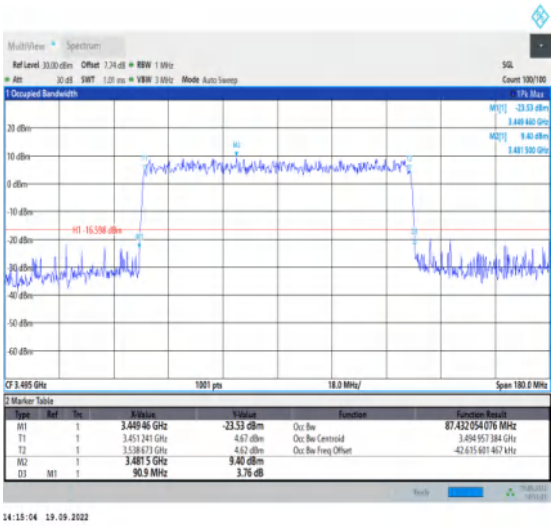

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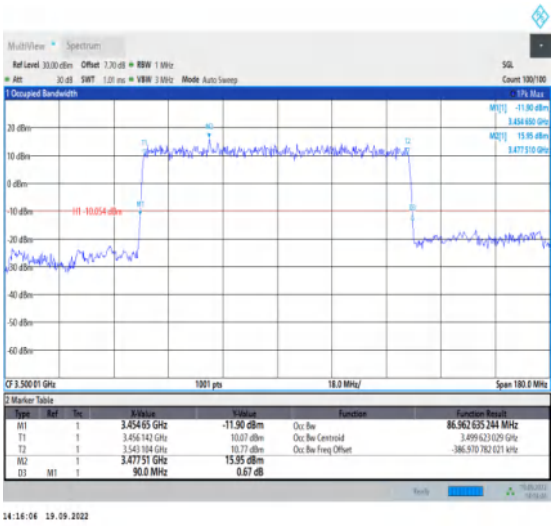

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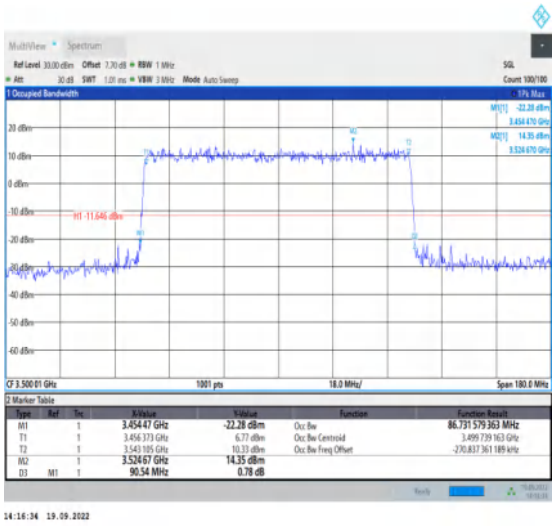

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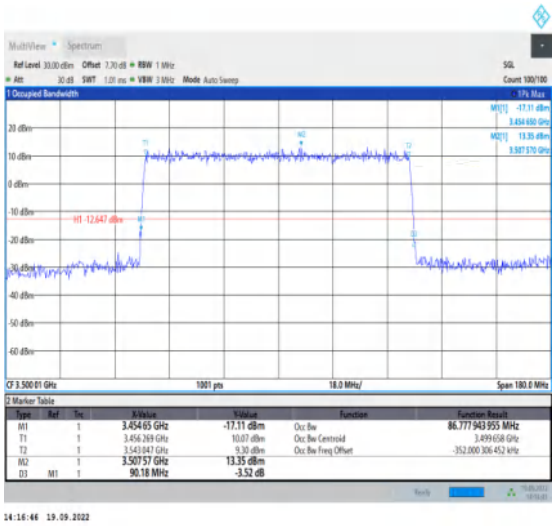

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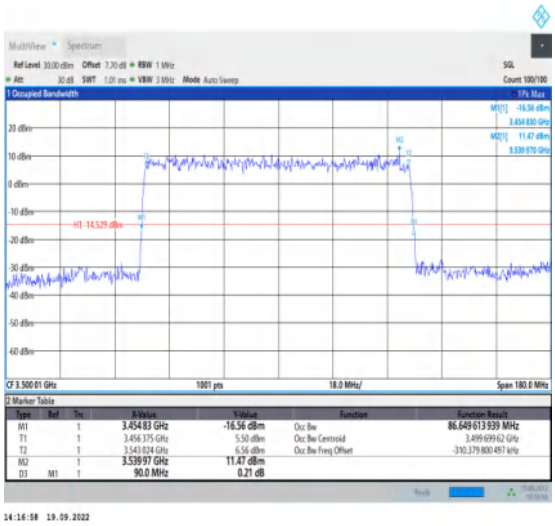

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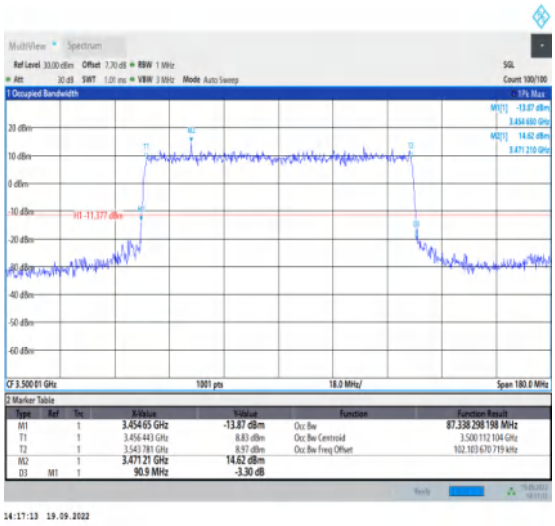

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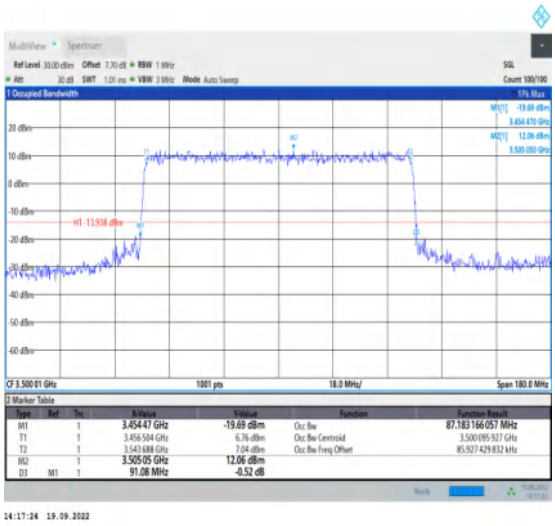

1-N78-3450-3550--30-90-M-7-CP-16QAM-Outer_Full-245@0-Ant1-87.183-91.080-≤90-PASS

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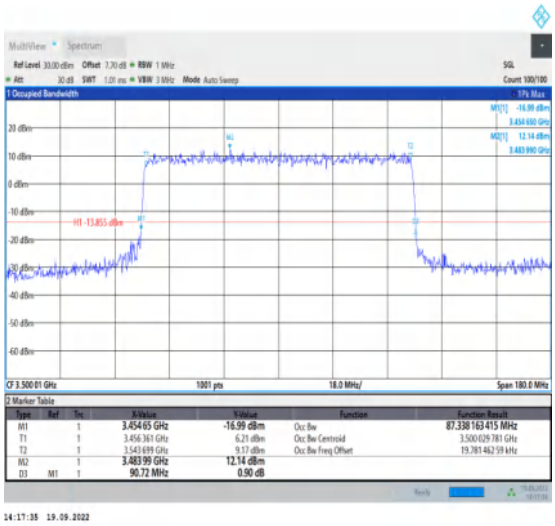

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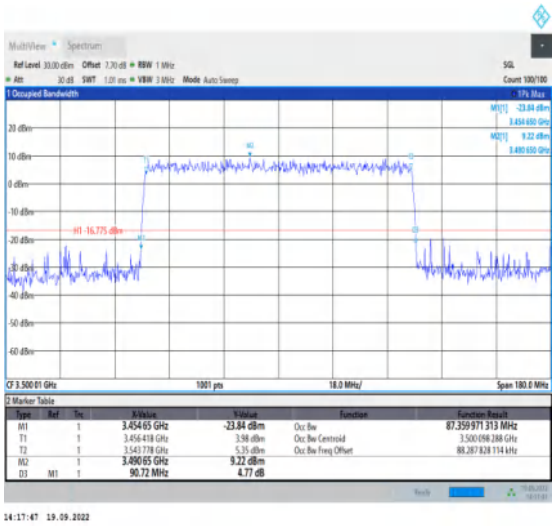

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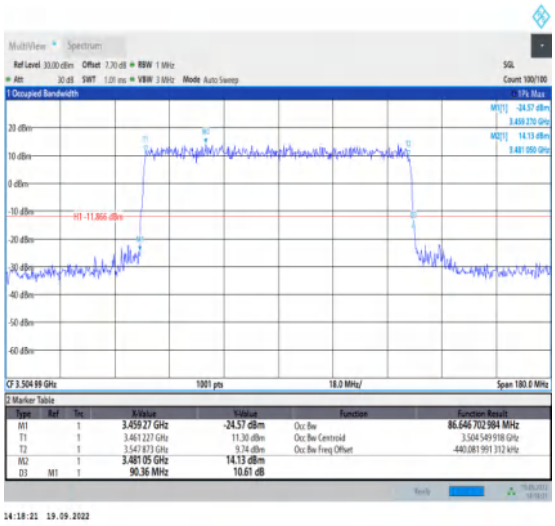

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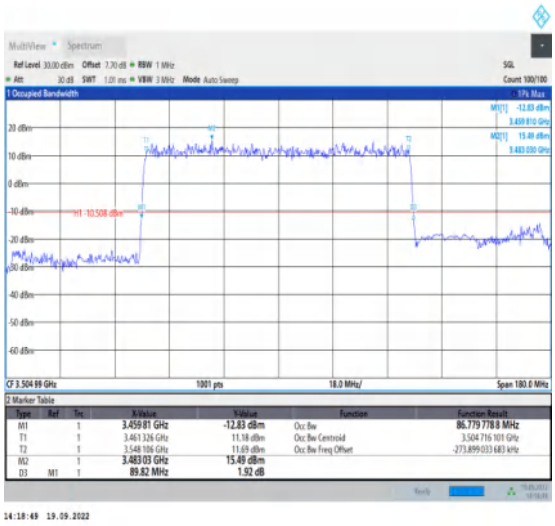

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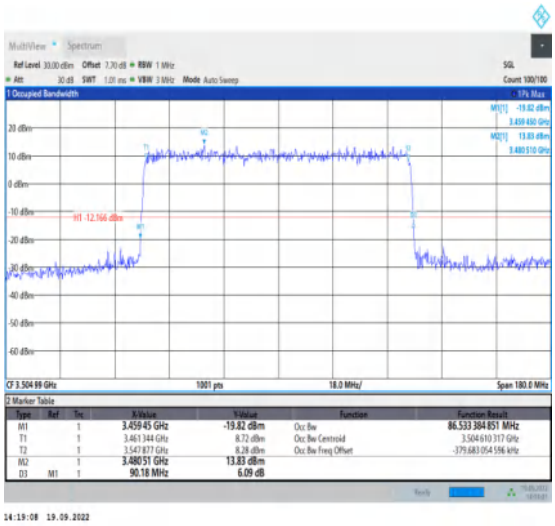

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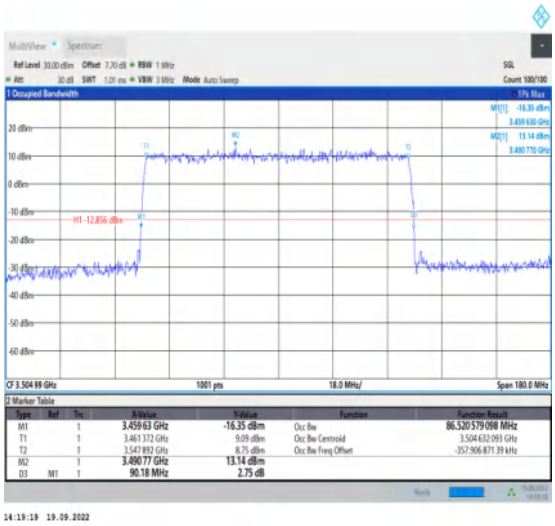

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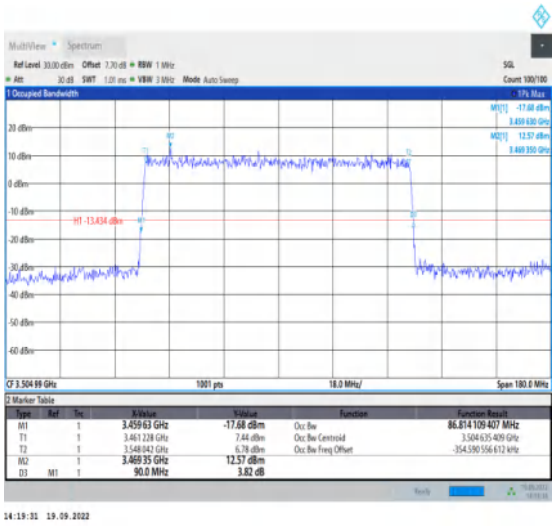

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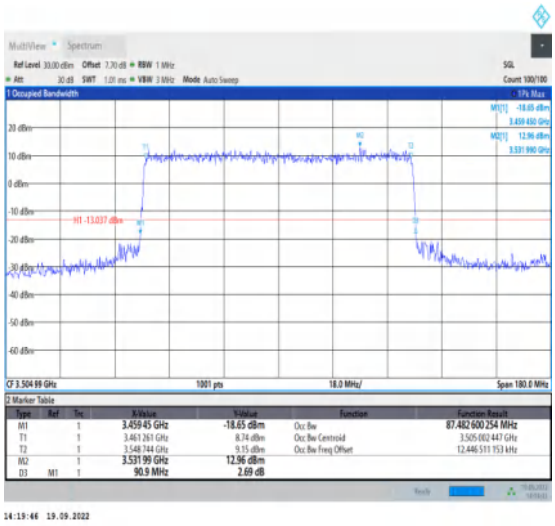

1-N78-3450-3550--30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-87.483-90.900-≤90-PASS

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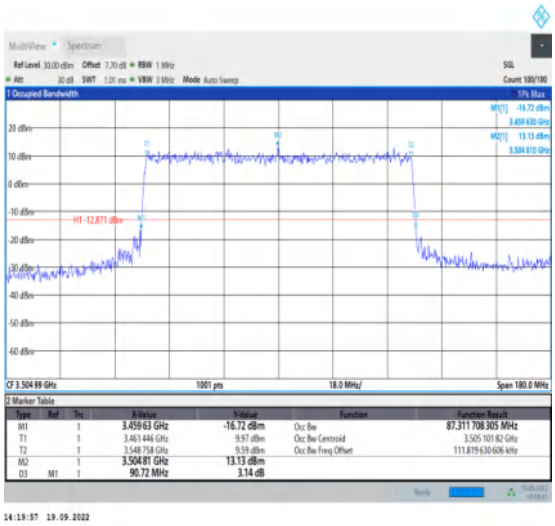

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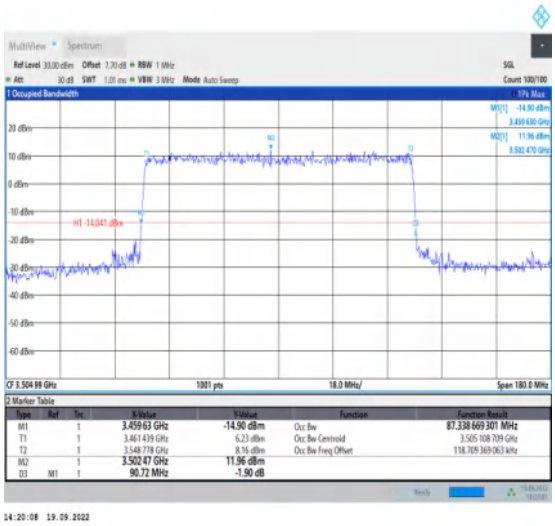

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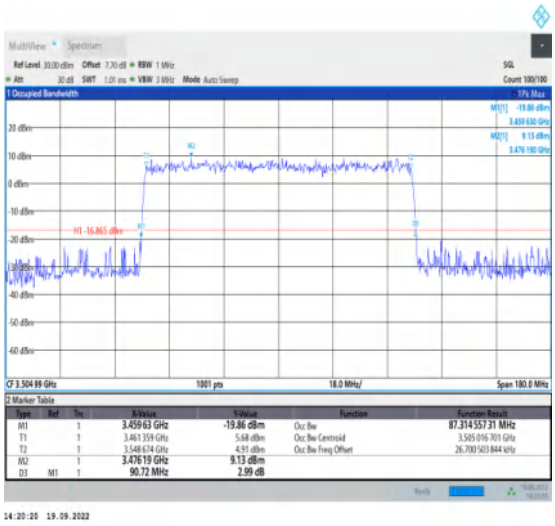

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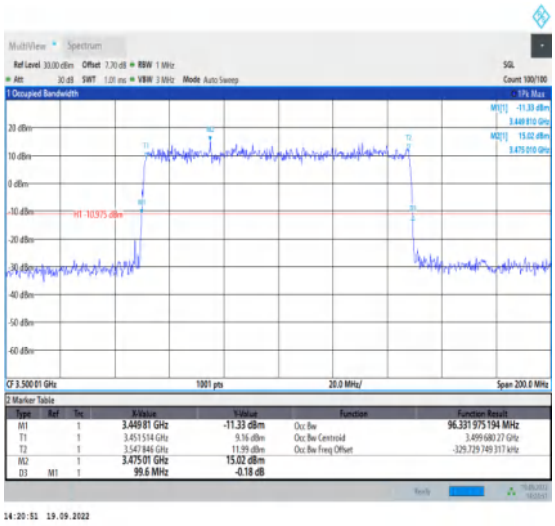

1-N78-3450-3550--30-100-L-1-DFT-QPSK-Outer_Full-270@0-Ant1-96.332-99.600-≤100-PASS

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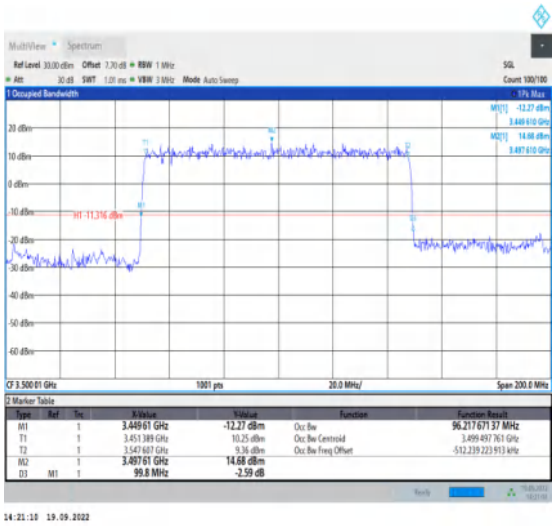

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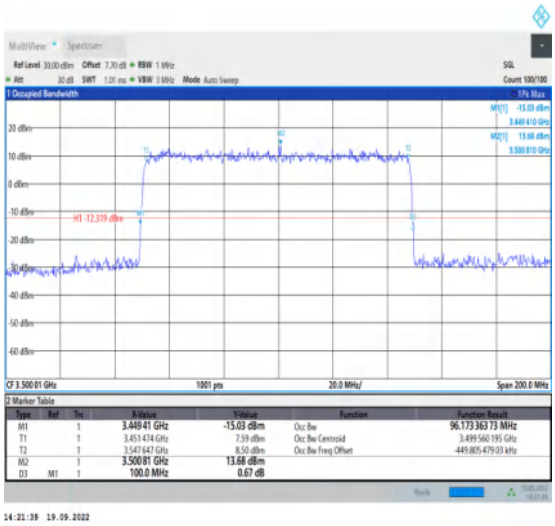

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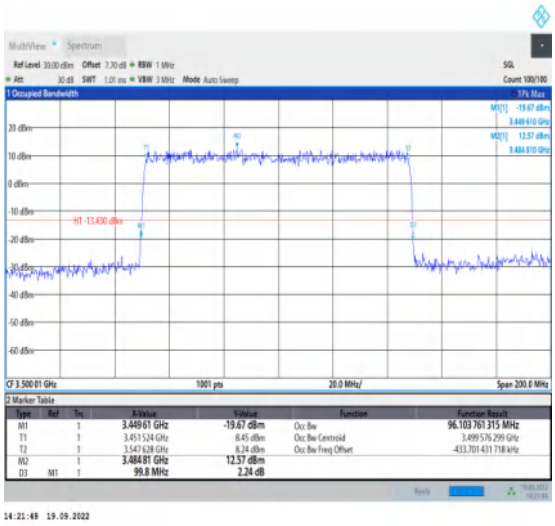

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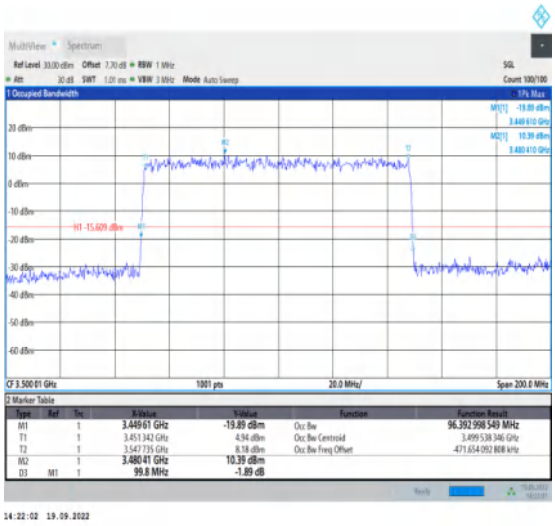

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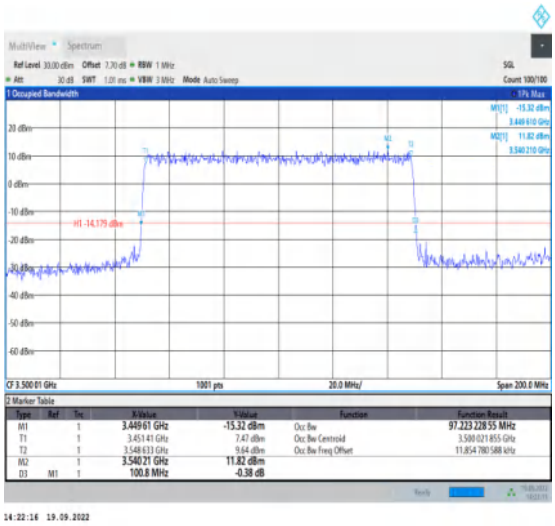

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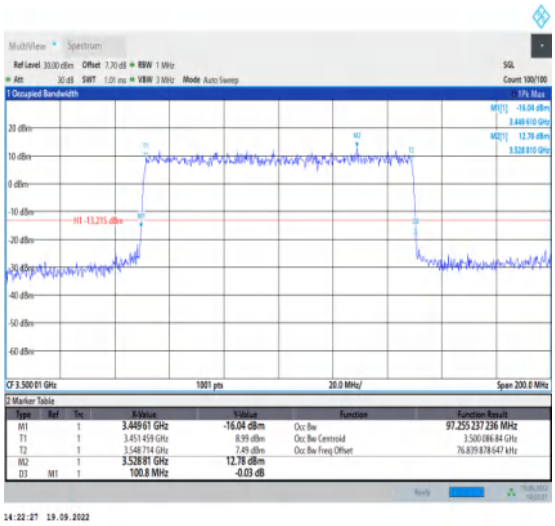

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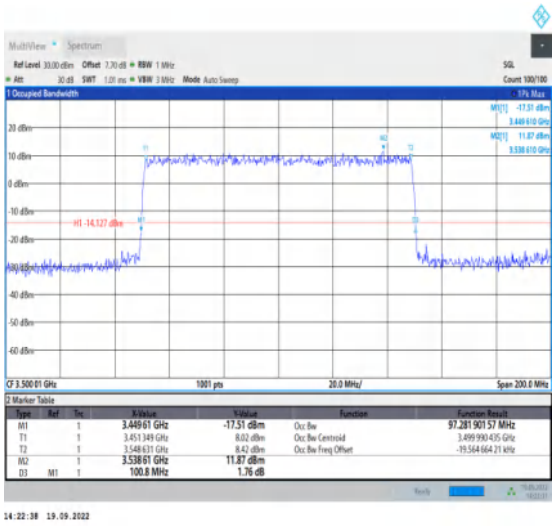

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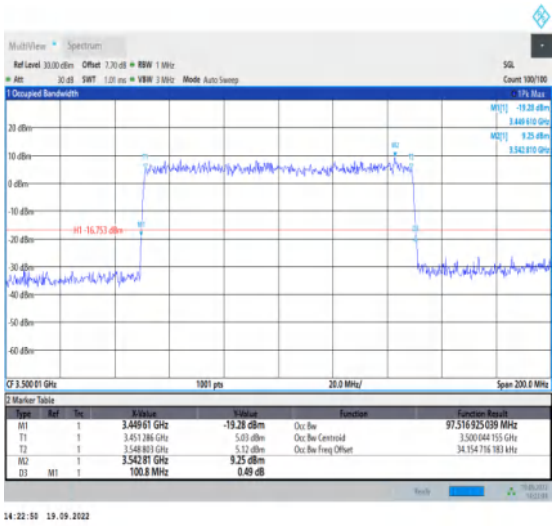

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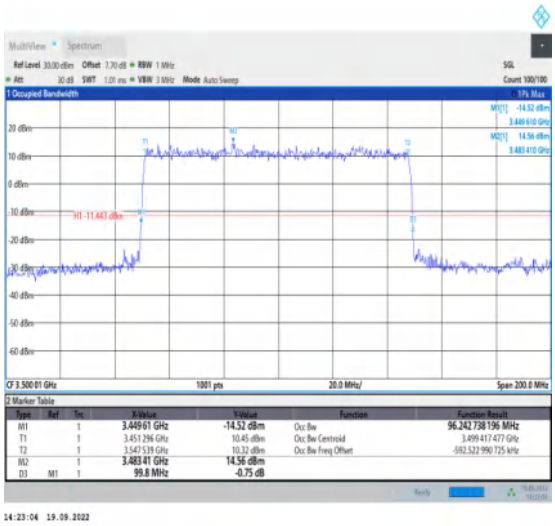

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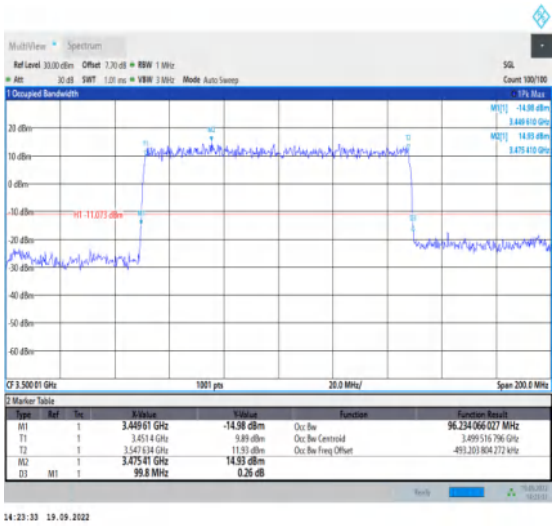

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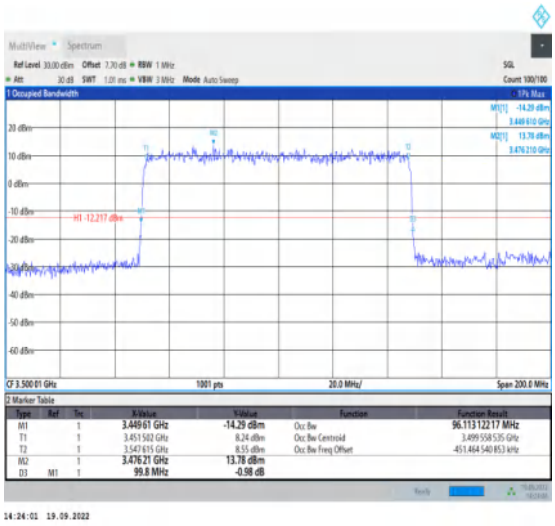

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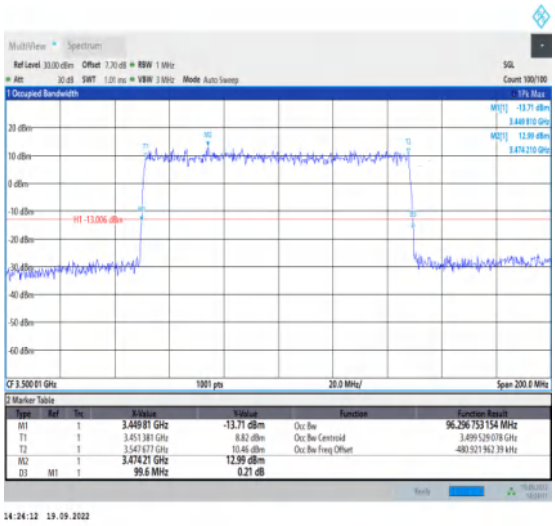

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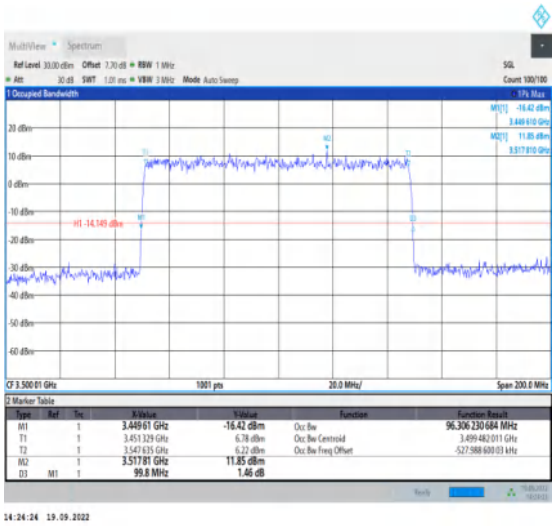

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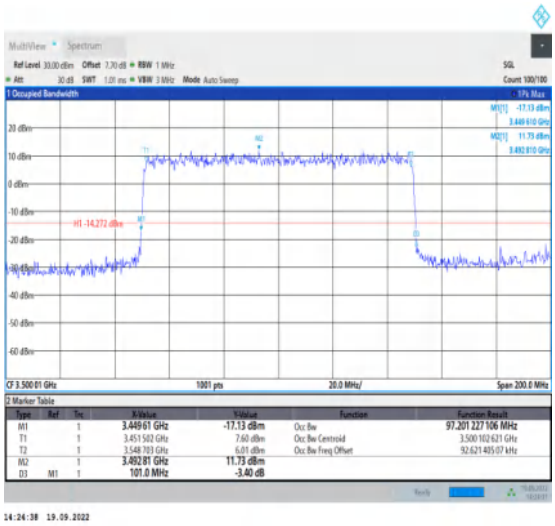

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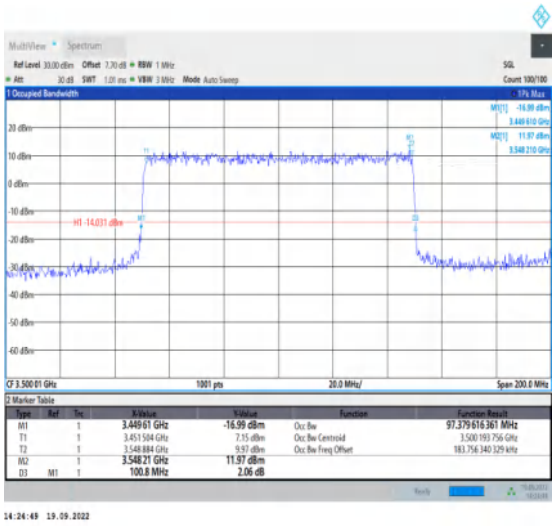

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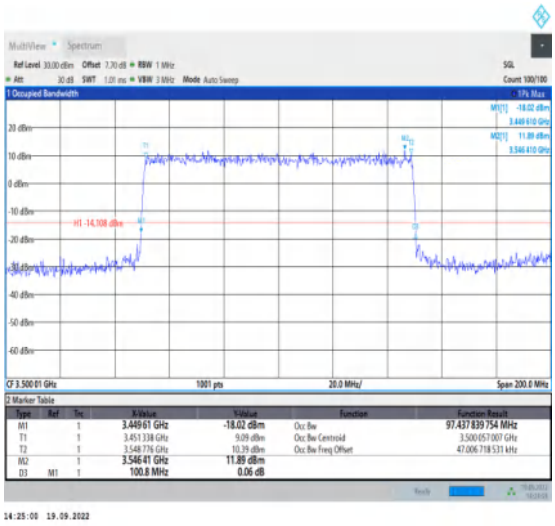

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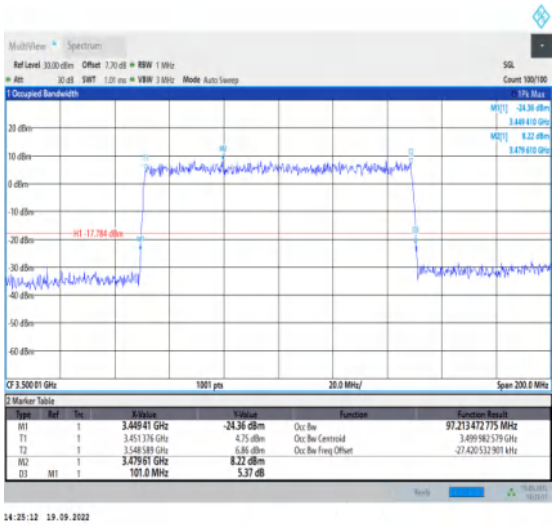

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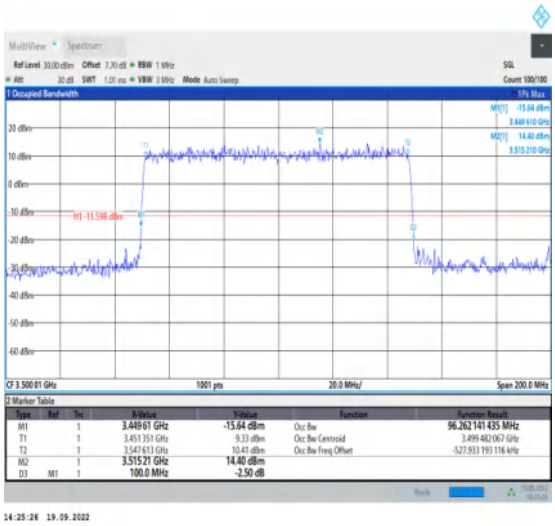

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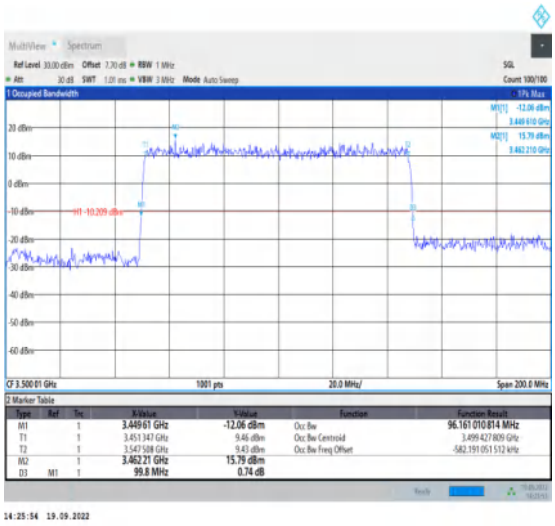

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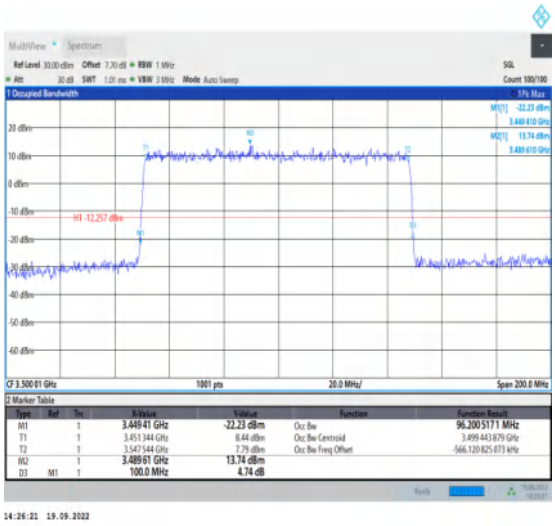

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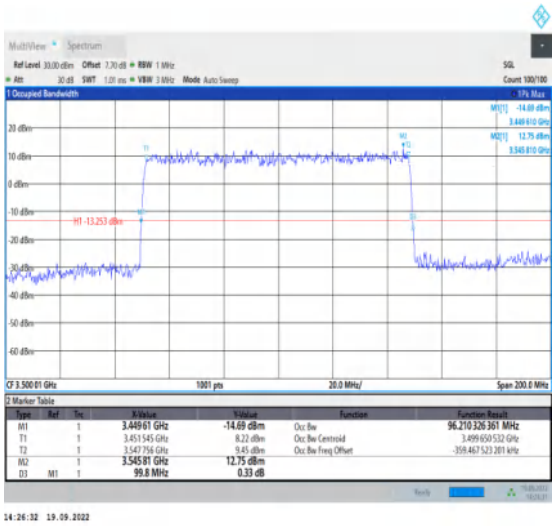

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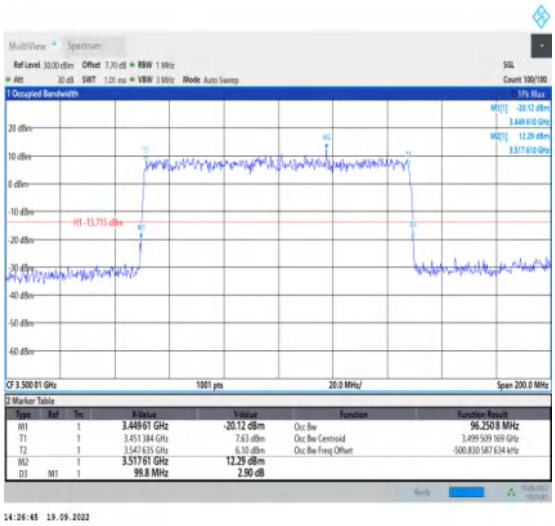

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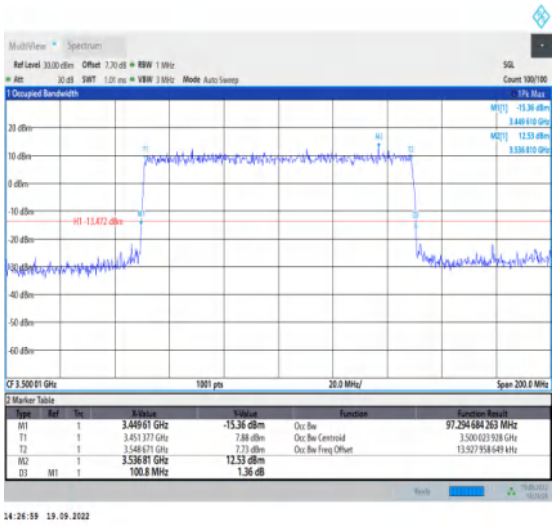

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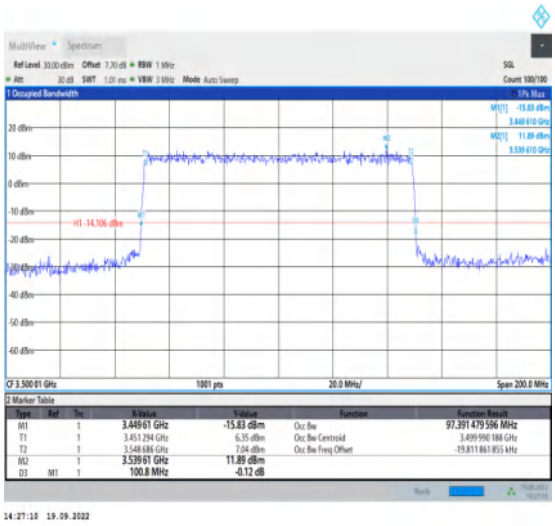

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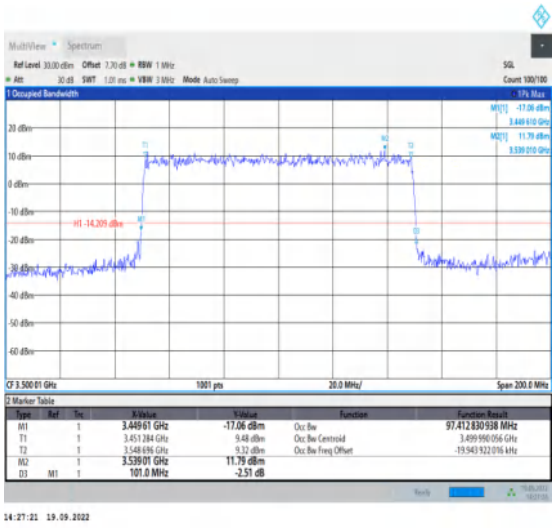	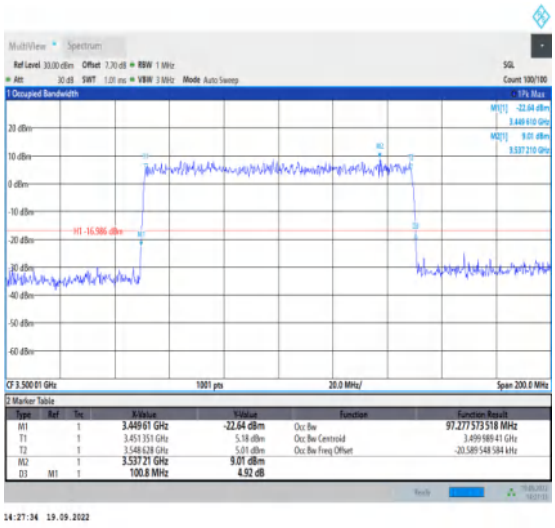
1-N78-3450-3550--30-100-H-8-CP-64QAM-Outer_Full-273@0-Ant1-97.413-101.000-≤100-PASS	1-N78-3450-3550--30-100-H-9-CP-256QAM-Outer_Full-273@0-Ant1-97.278-100.800-≤100-PASS

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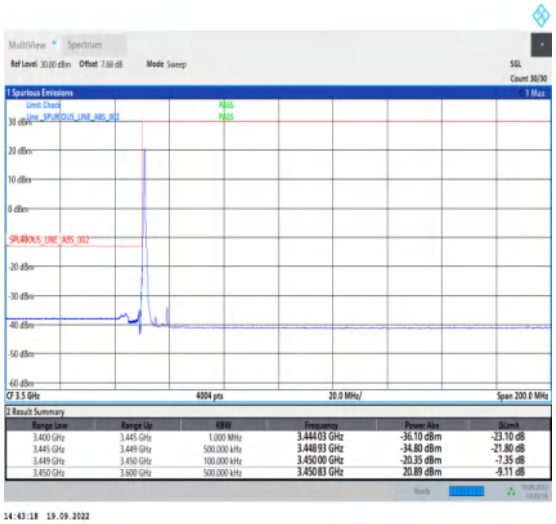
Band Edge for SA

Test Graphs



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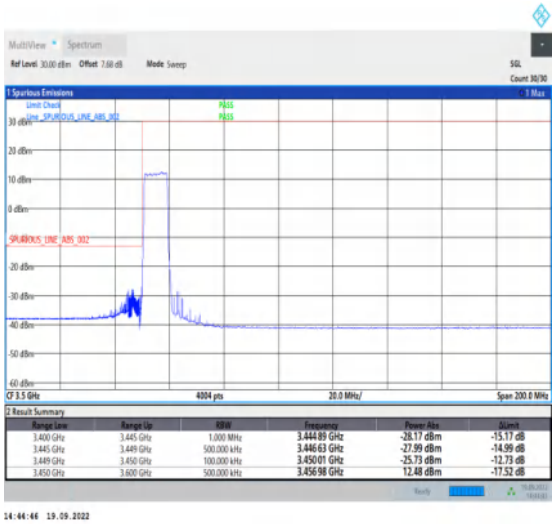

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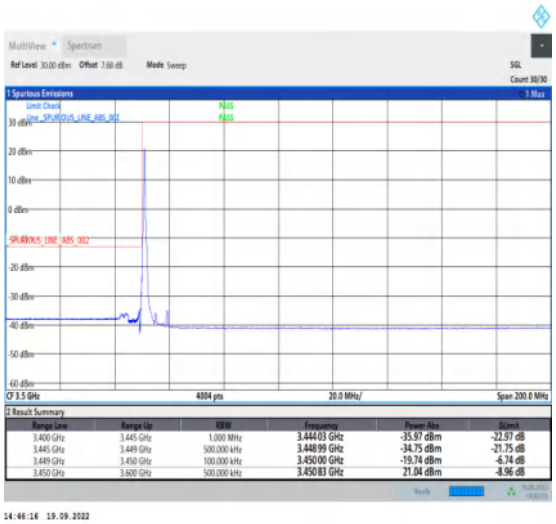

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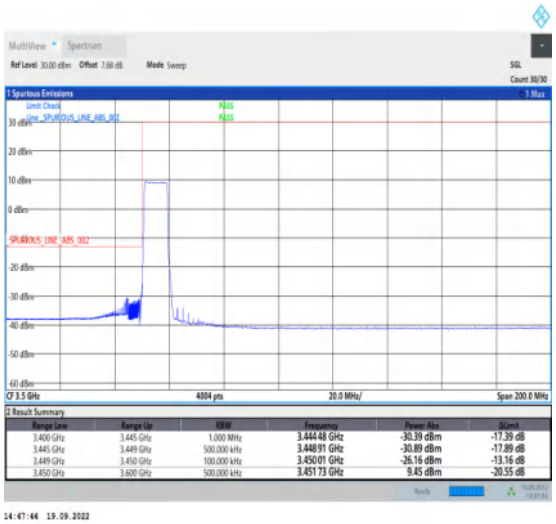

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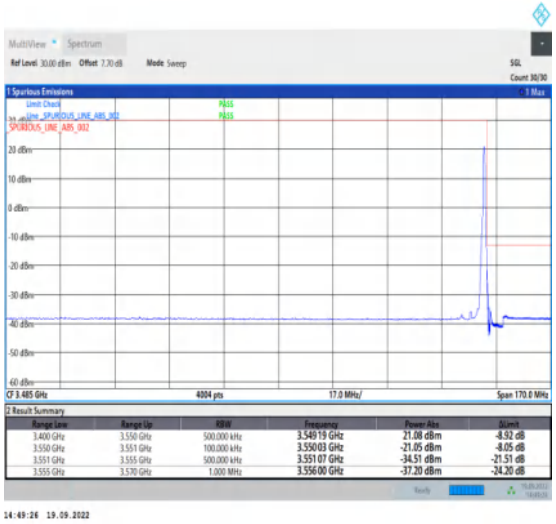

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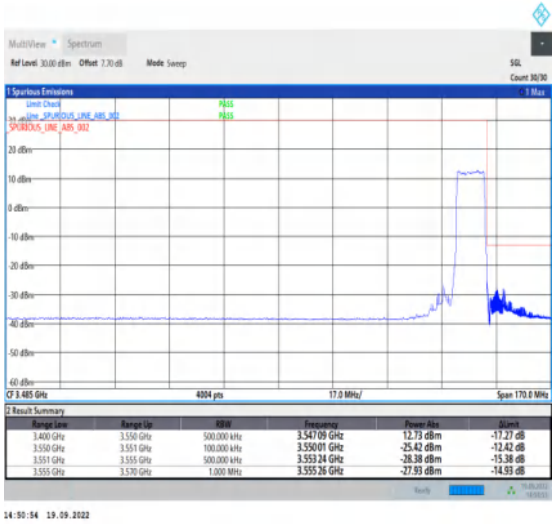

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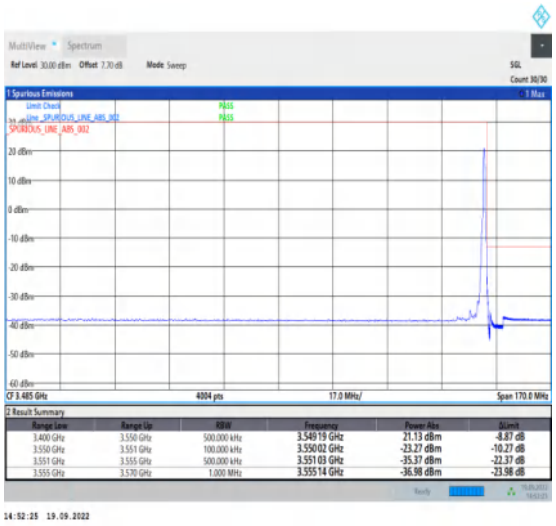

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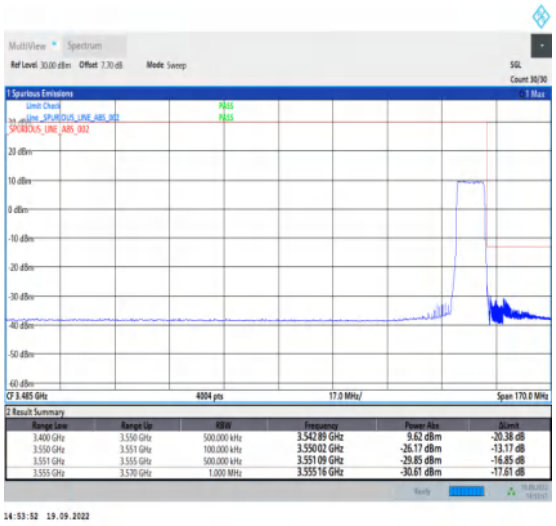

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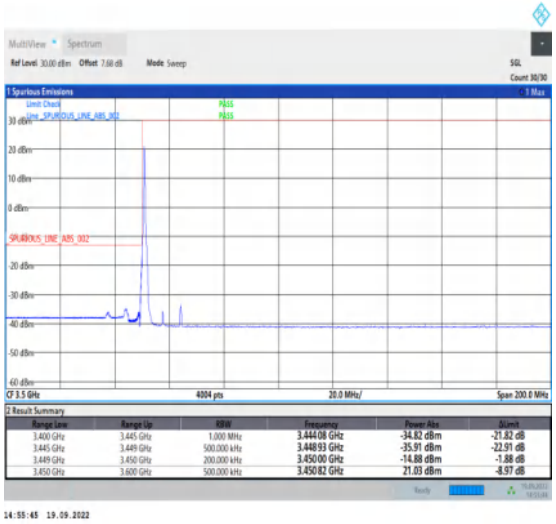

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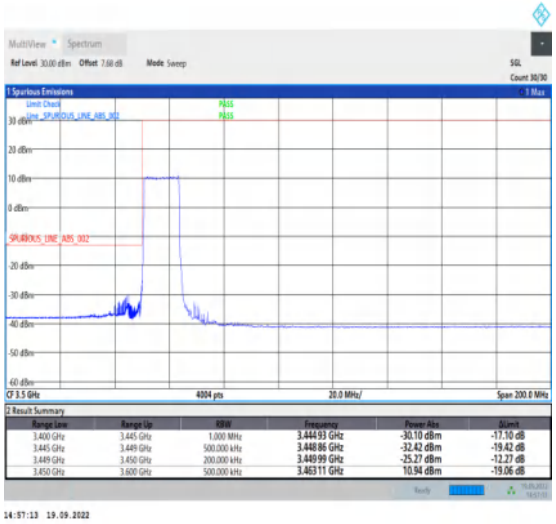

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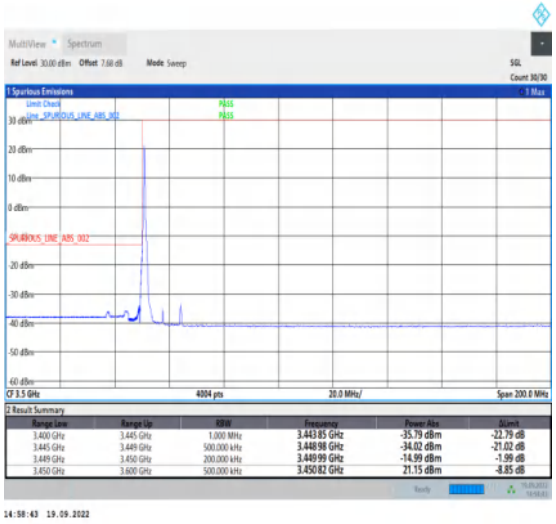

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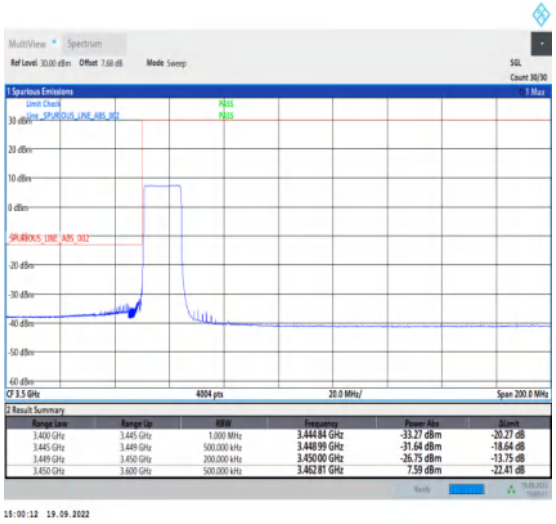

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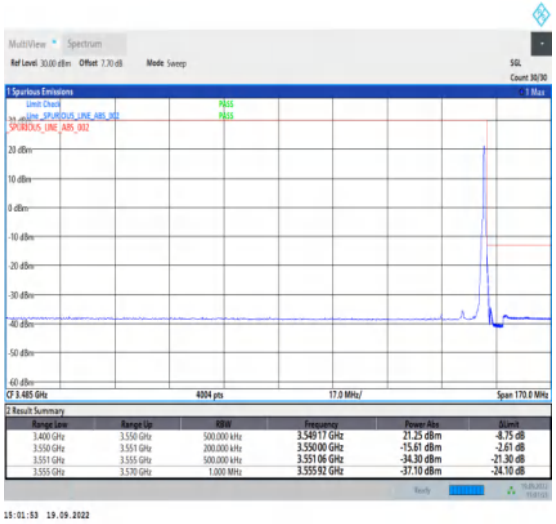

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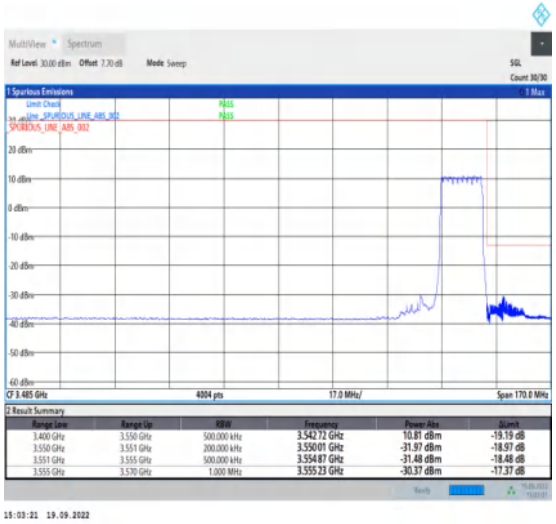

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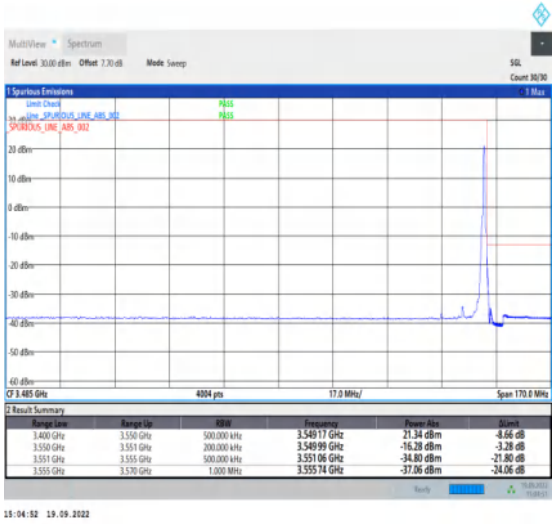

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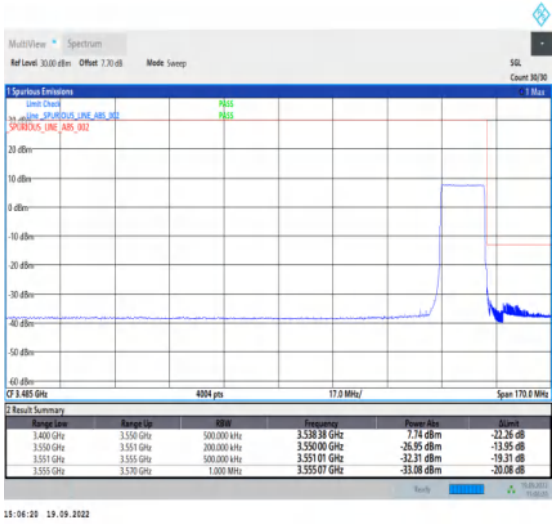

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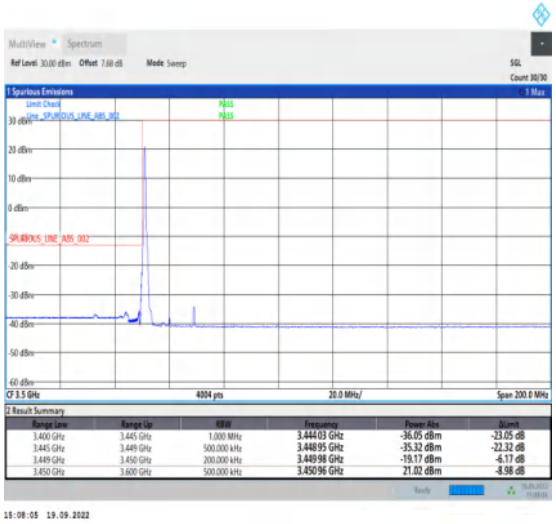

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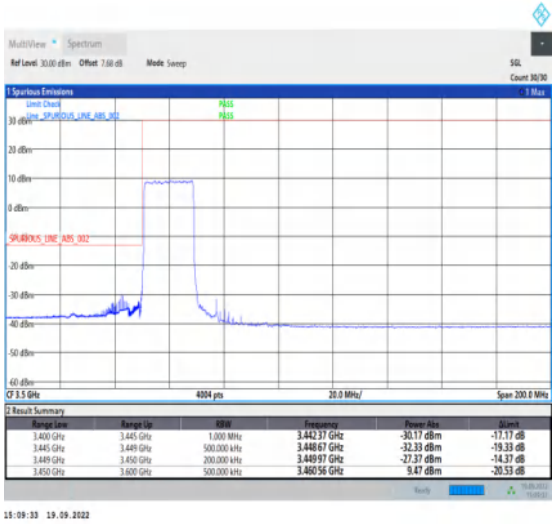

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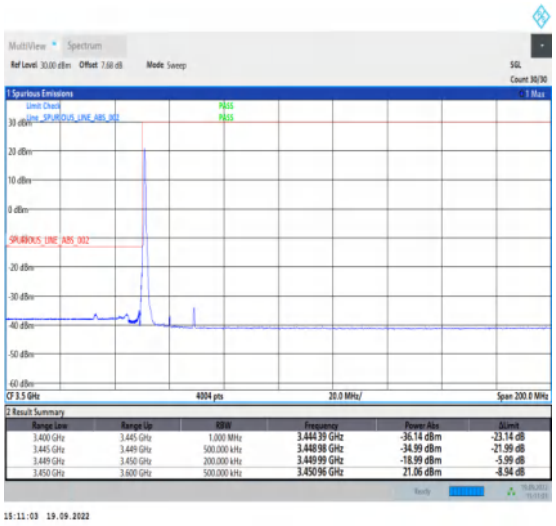

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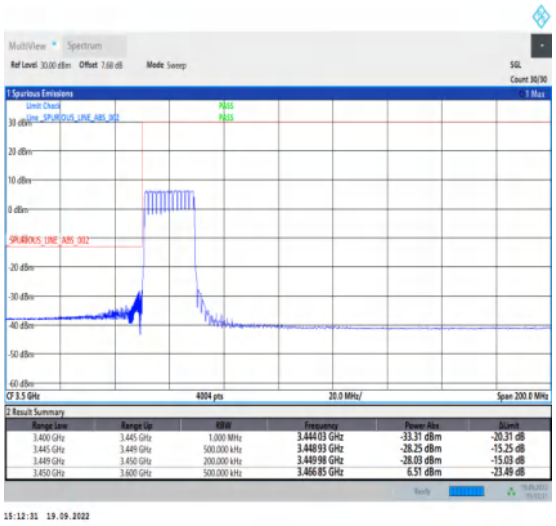

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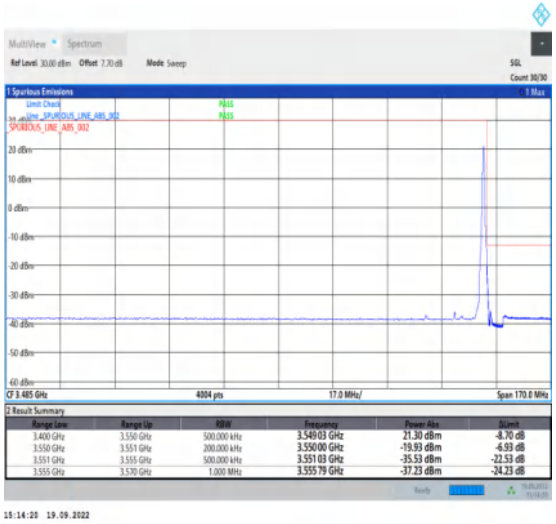

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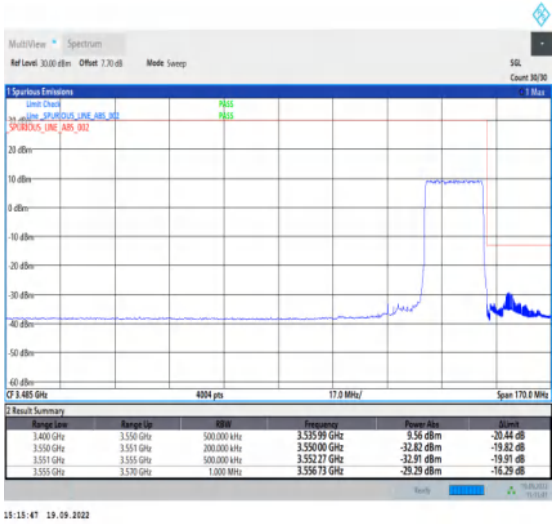

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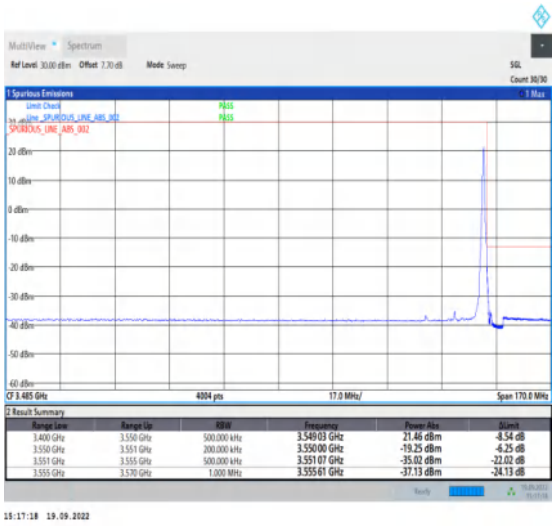

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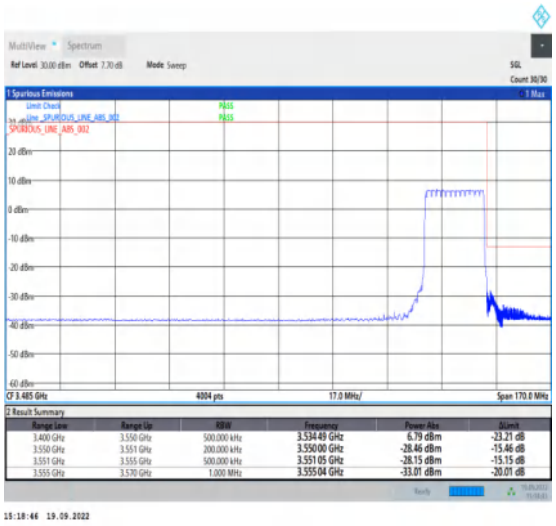

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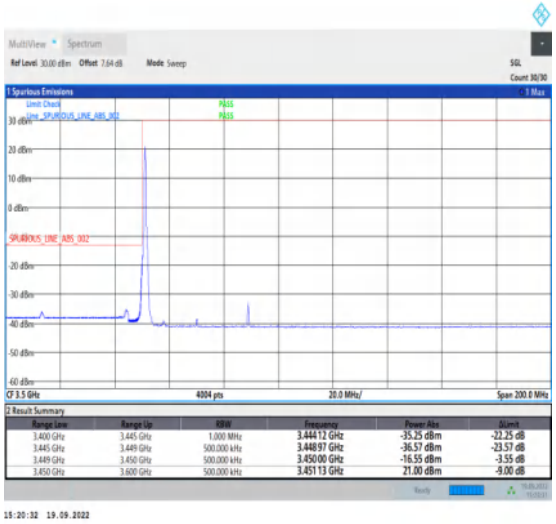

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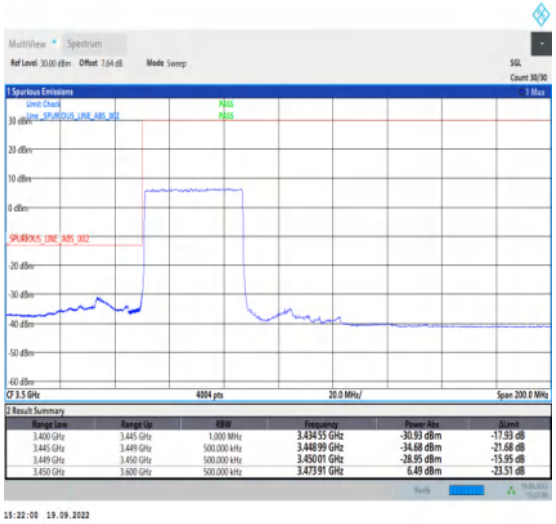

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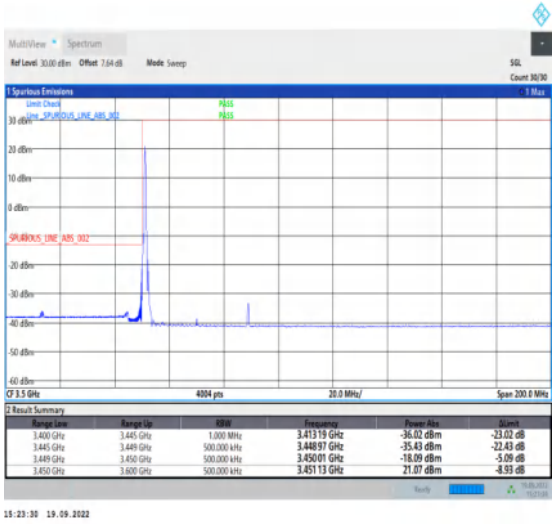

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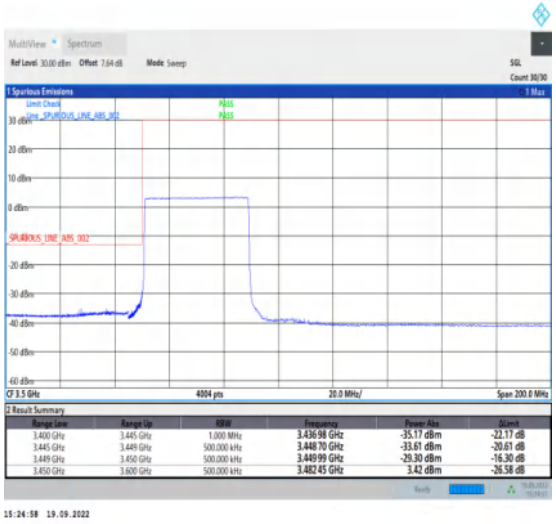

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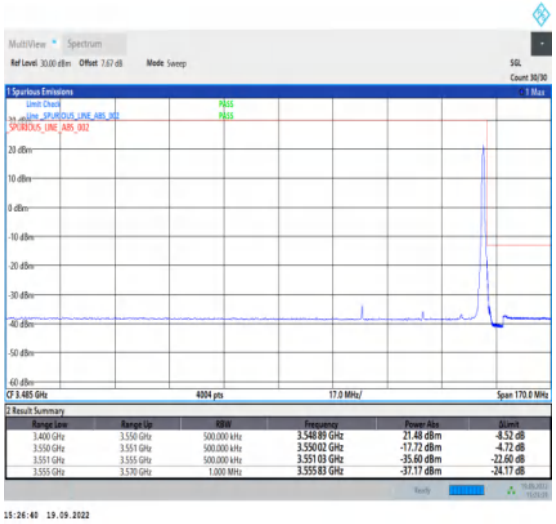

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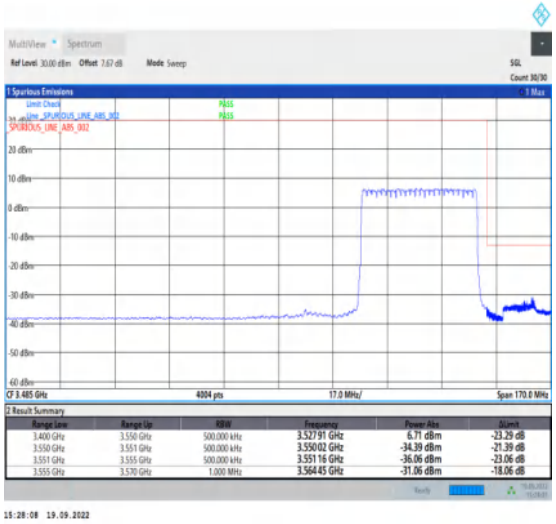

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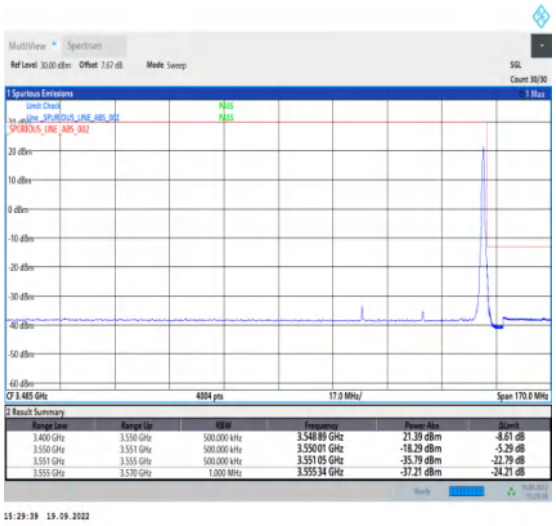

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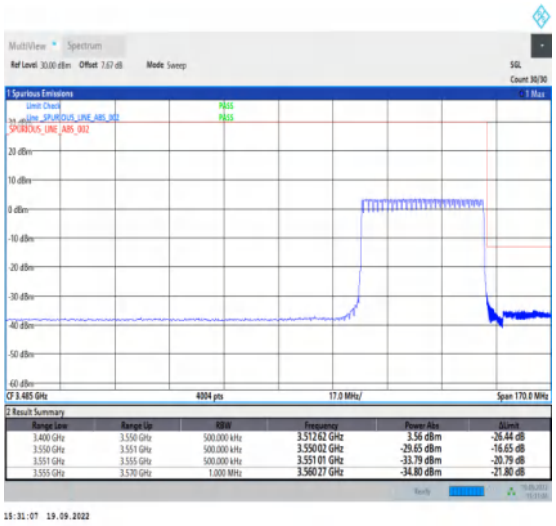

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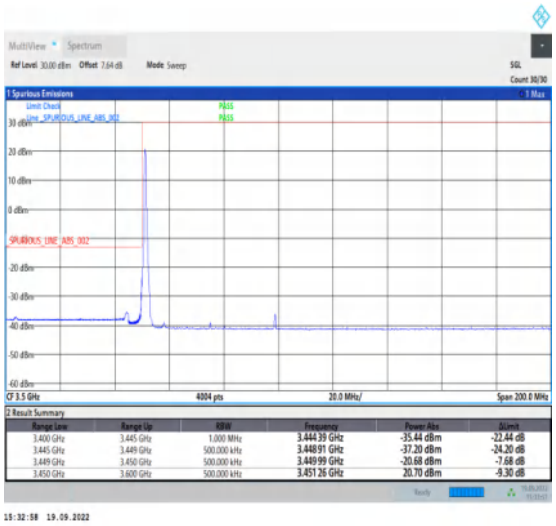

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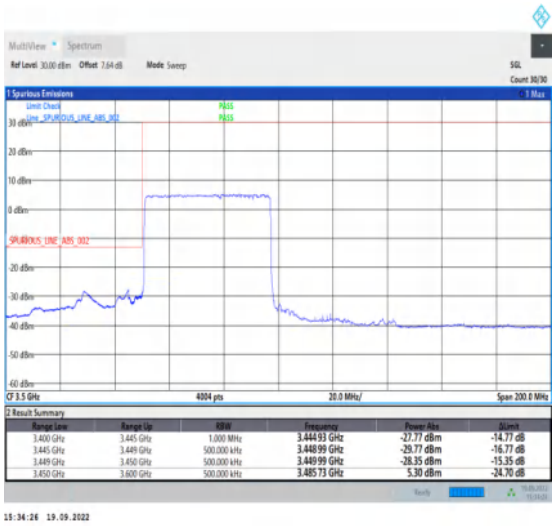

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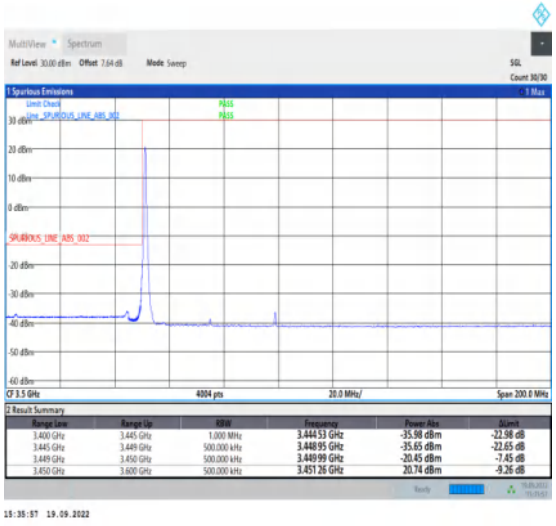

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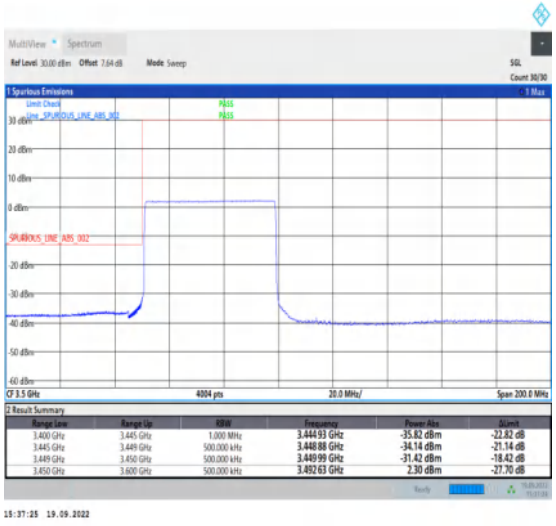

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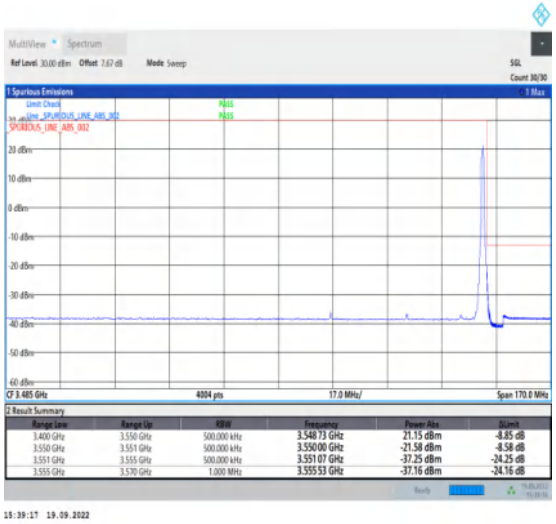

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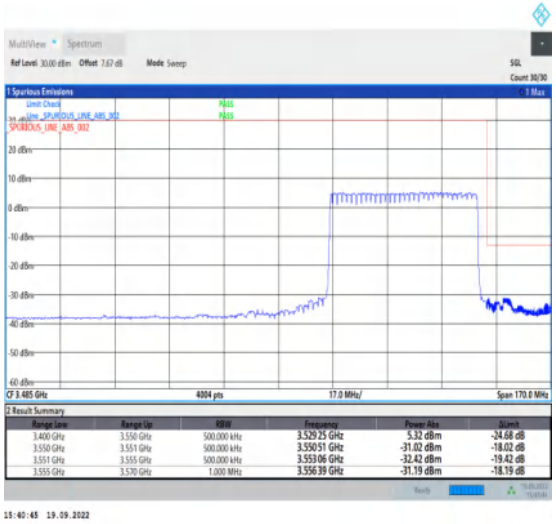

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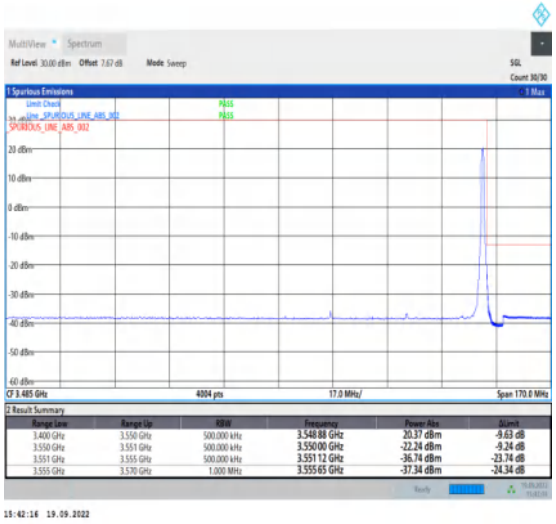

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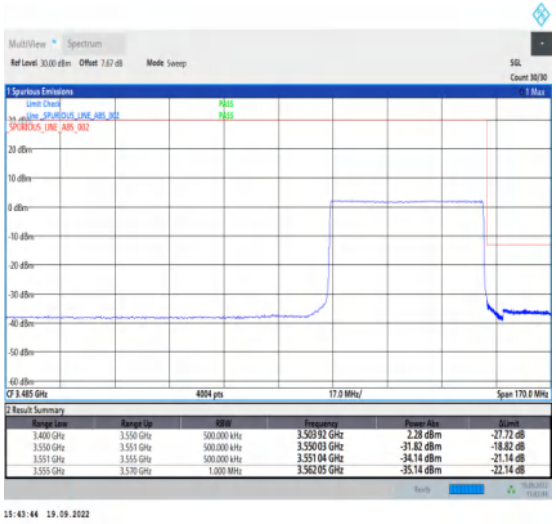

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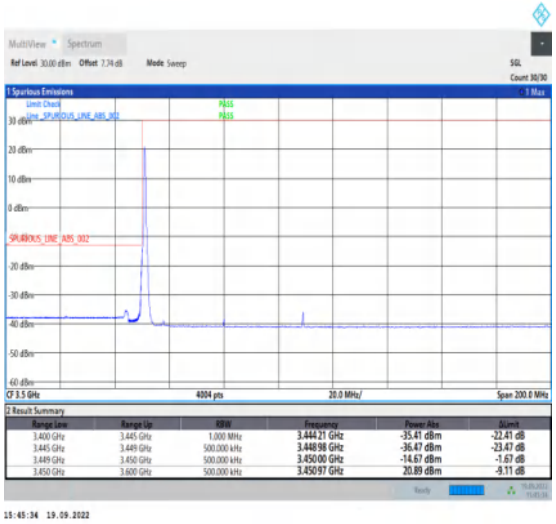

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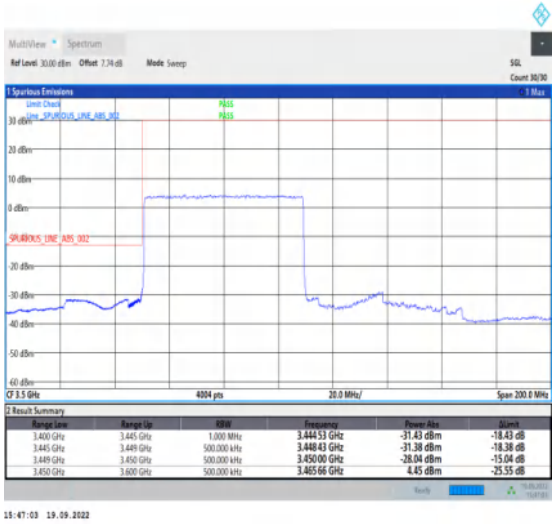

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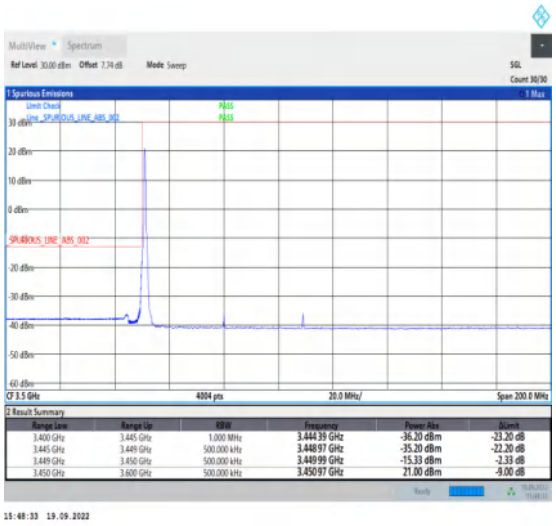

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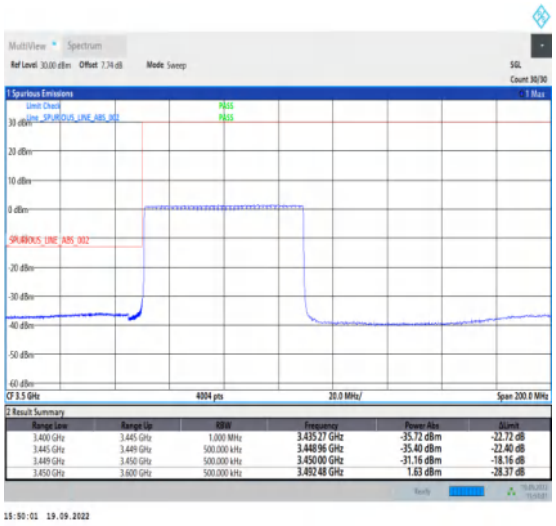

1-N78-3450-3550--30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph

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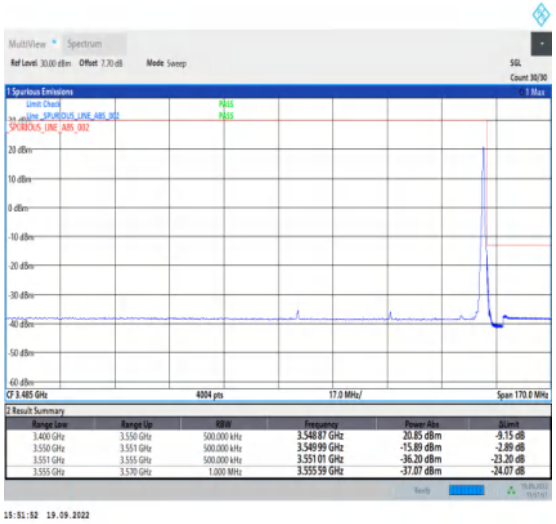

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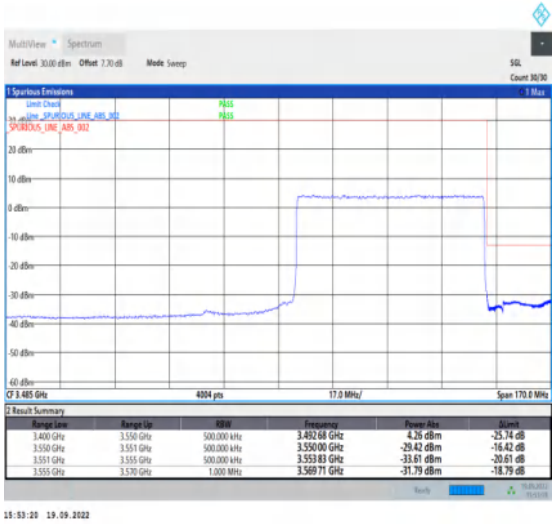

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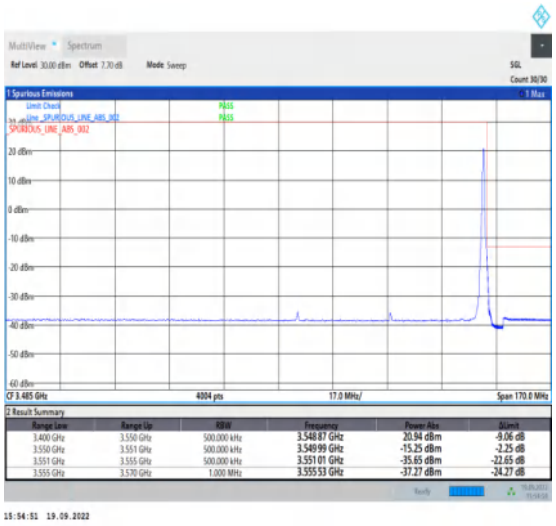

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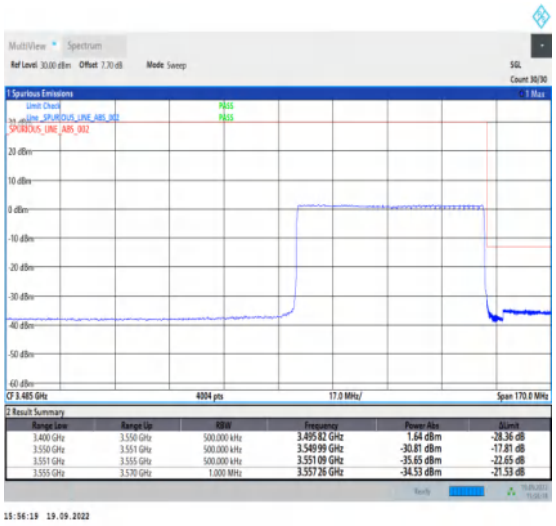

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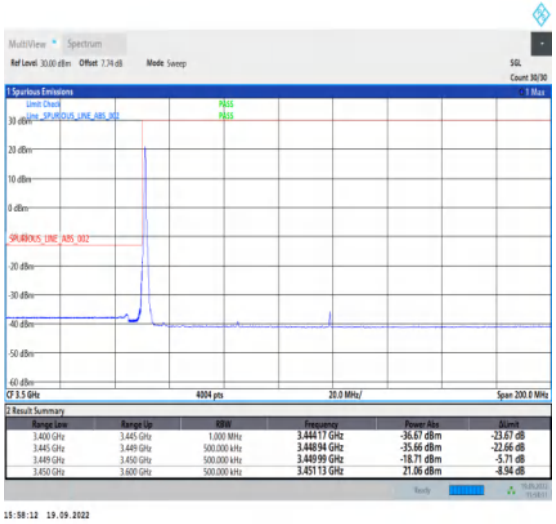
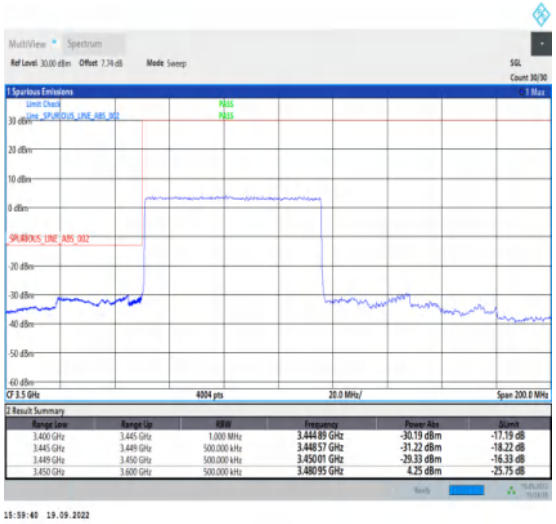


1-N78-3450-3550--30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



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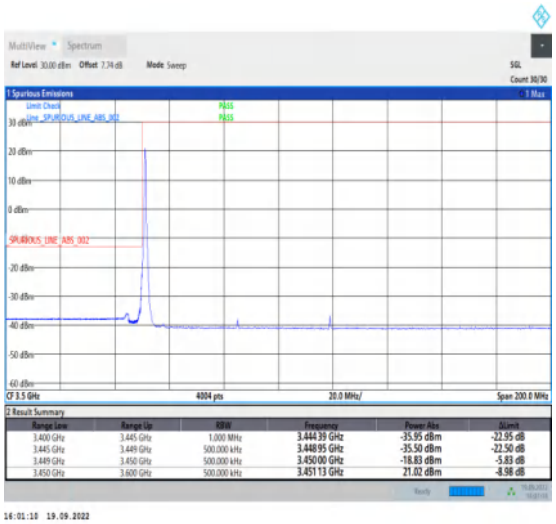

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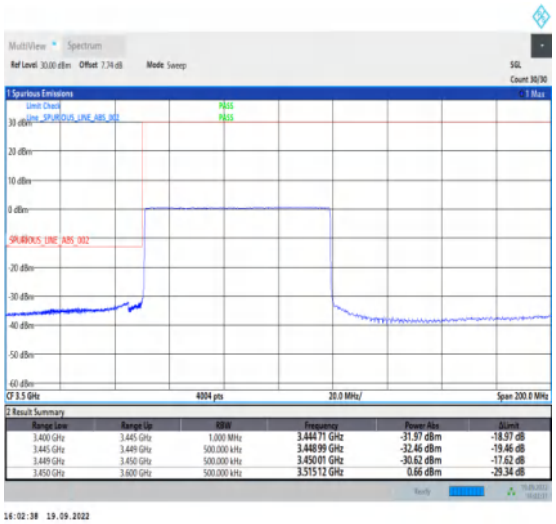

1-N78-3450-3550--30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph

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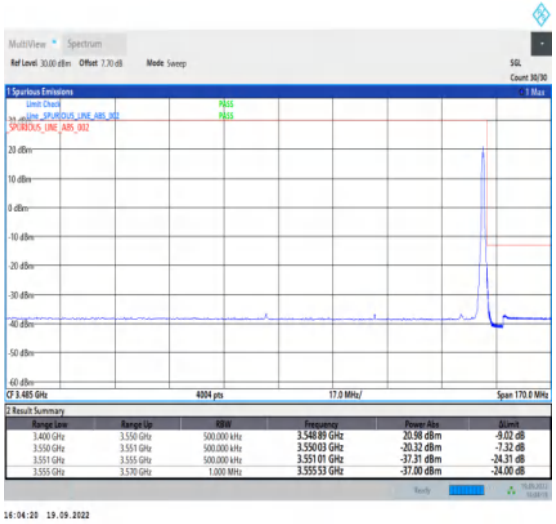

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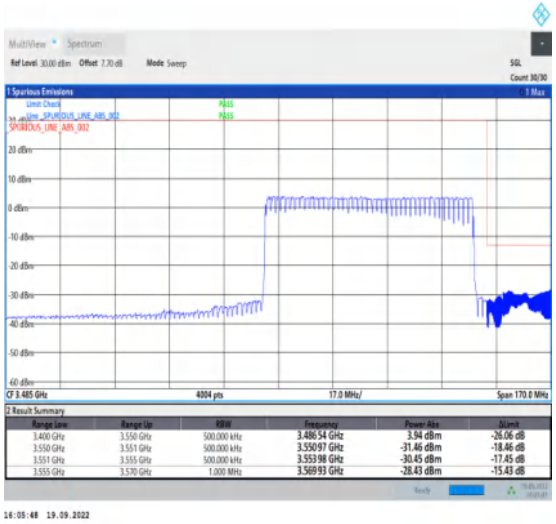

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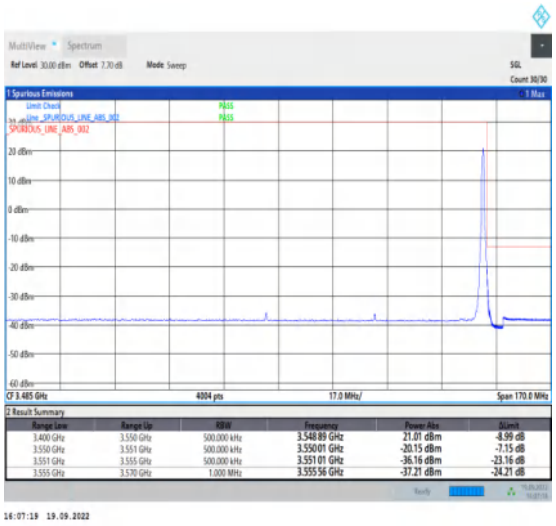

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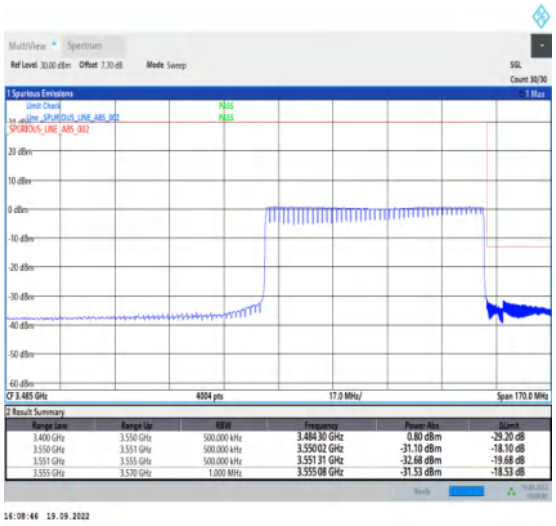

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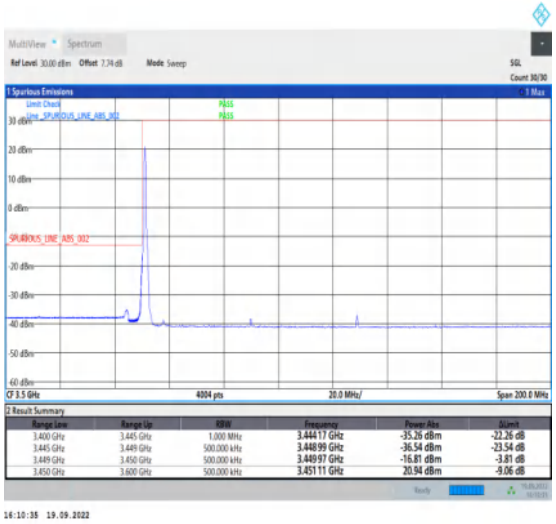

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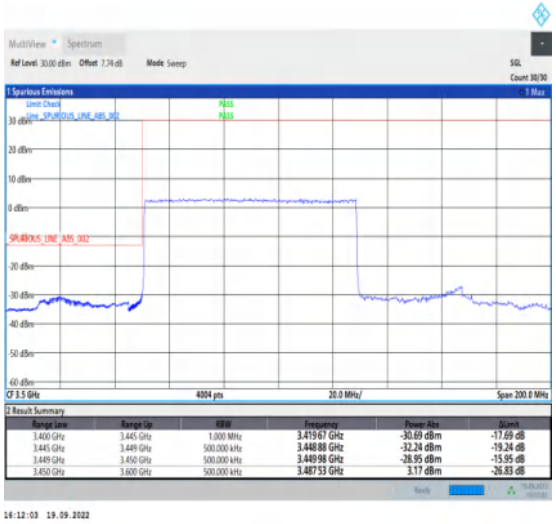

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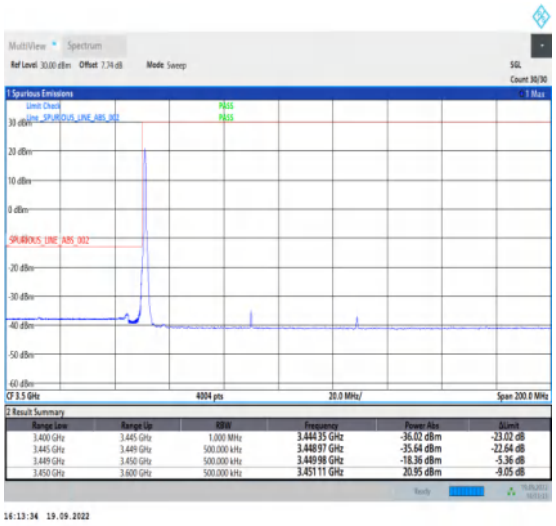

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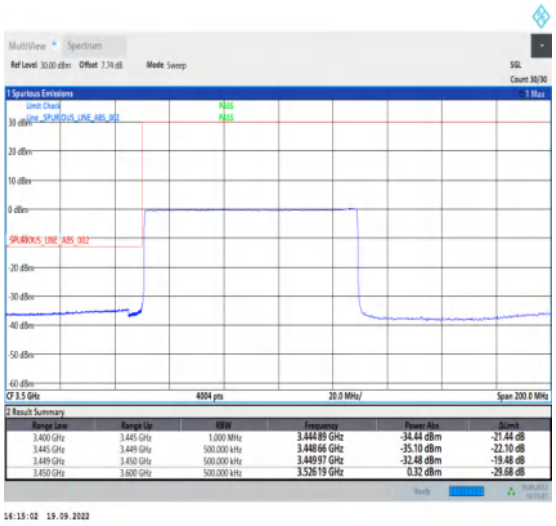

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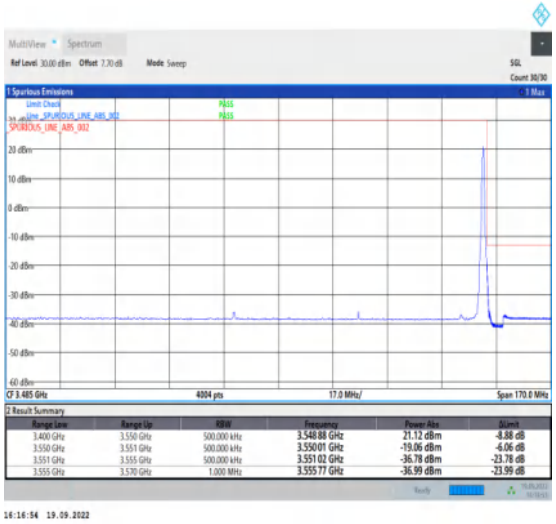

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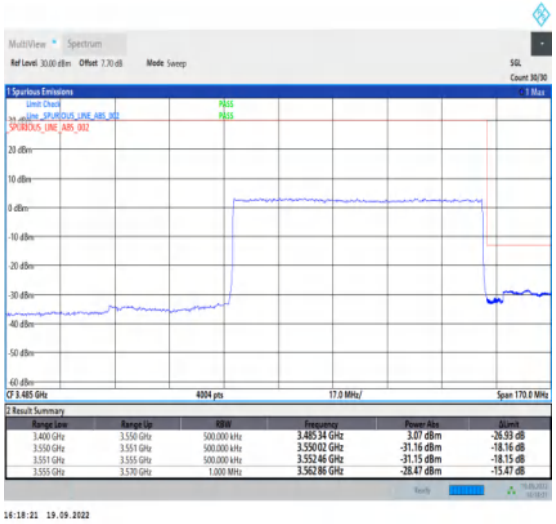

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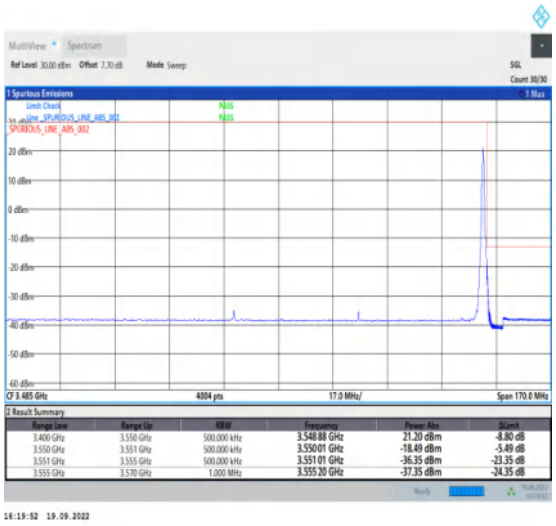

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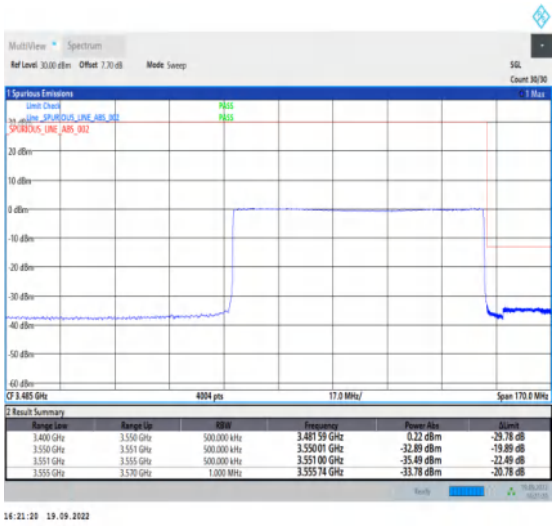

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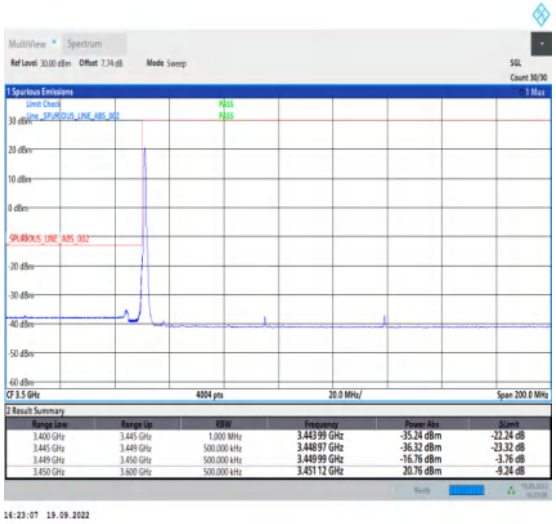

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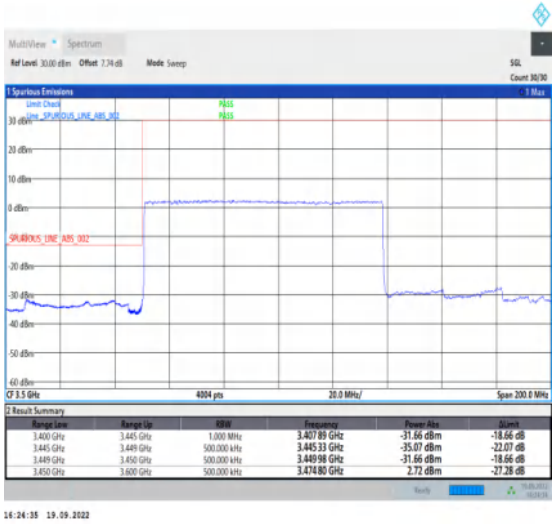

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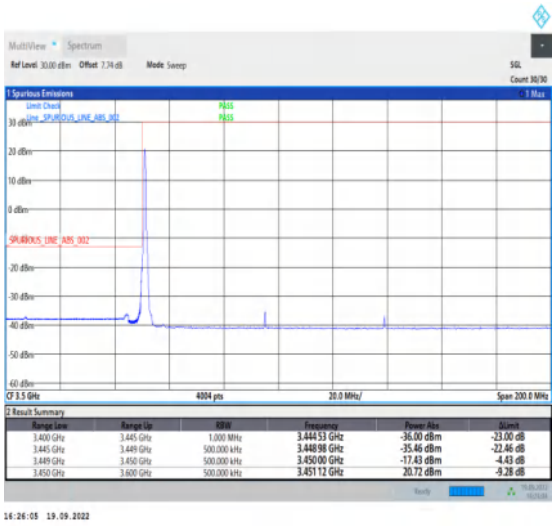

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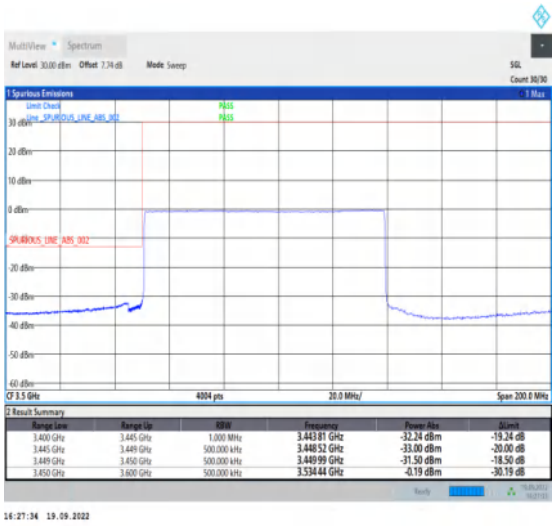

1-N78-3450-3550--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph

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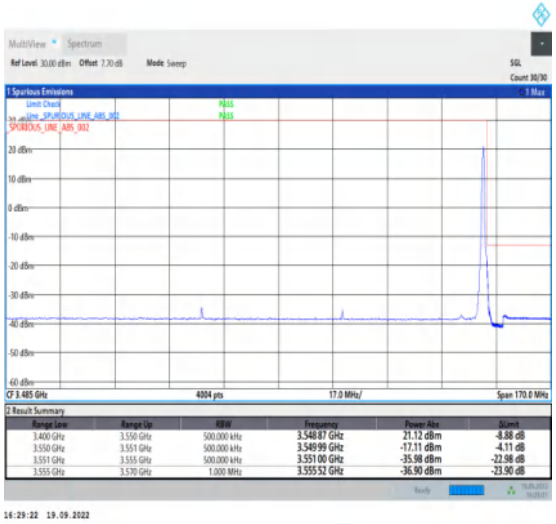

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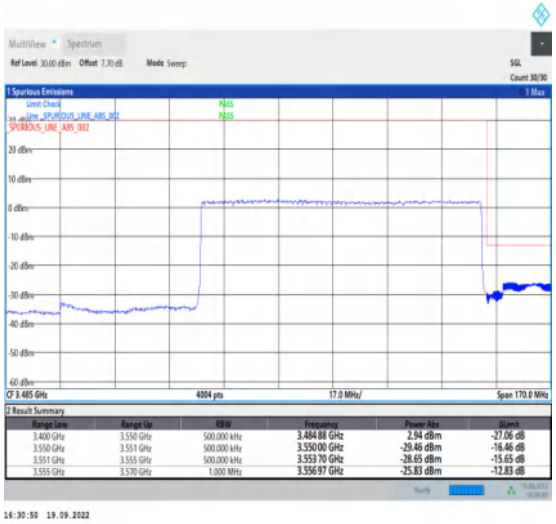

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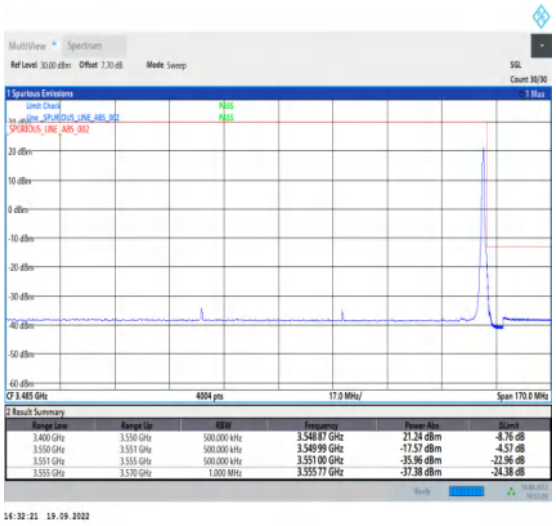

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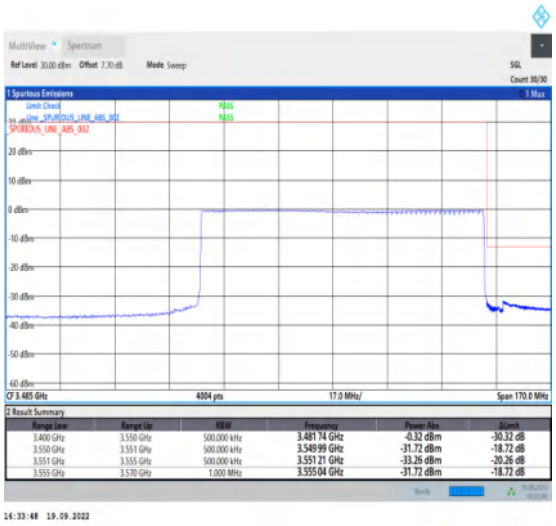

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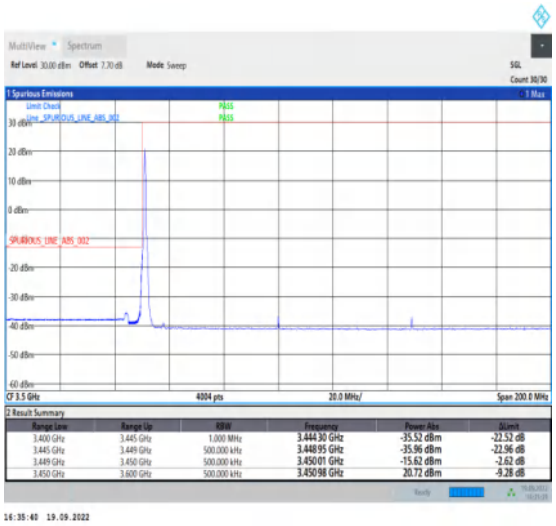

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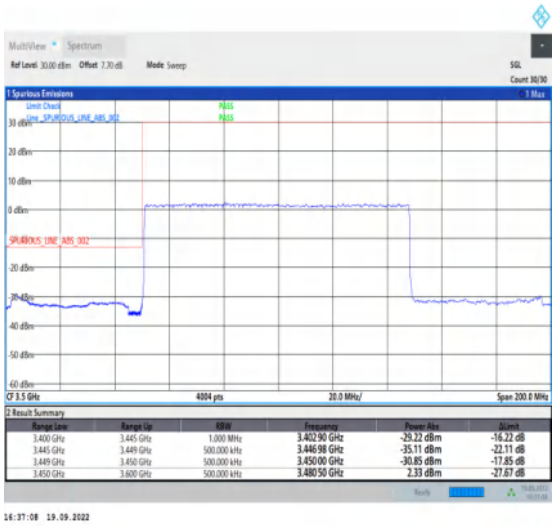

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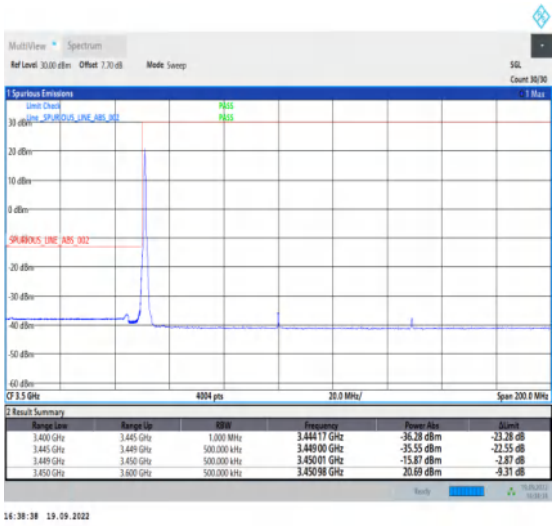

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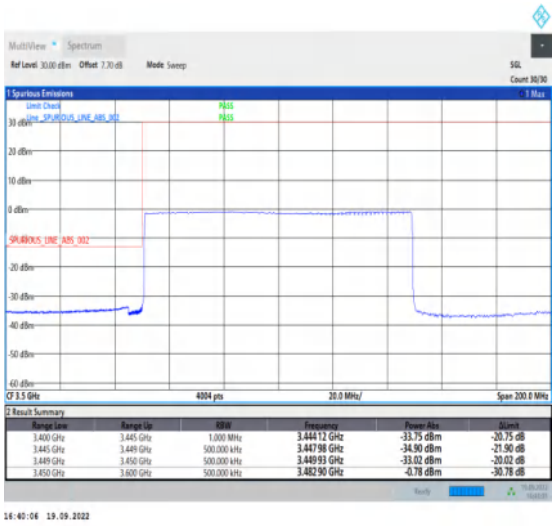

1-N78-3450-3550--30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph

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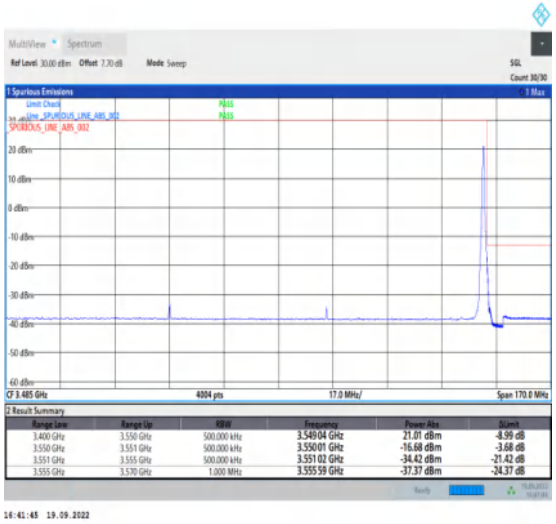

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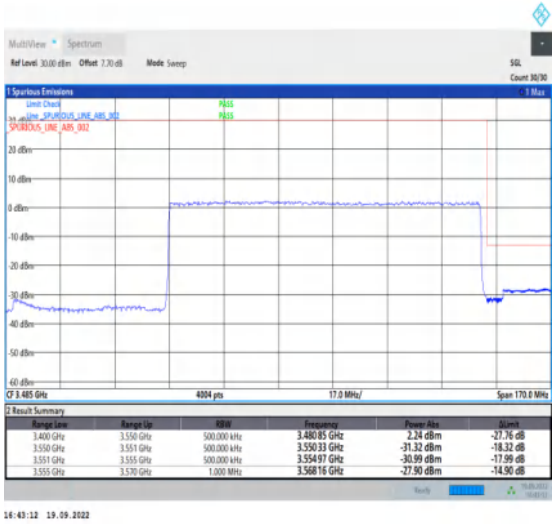

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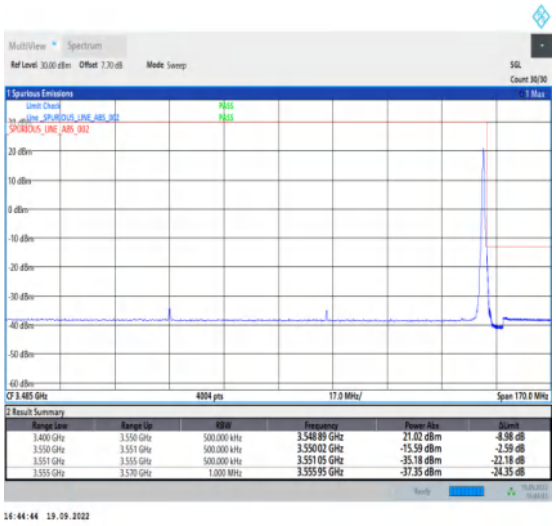

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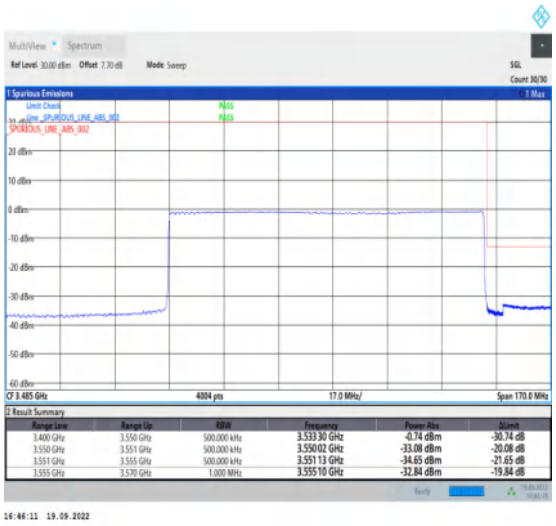

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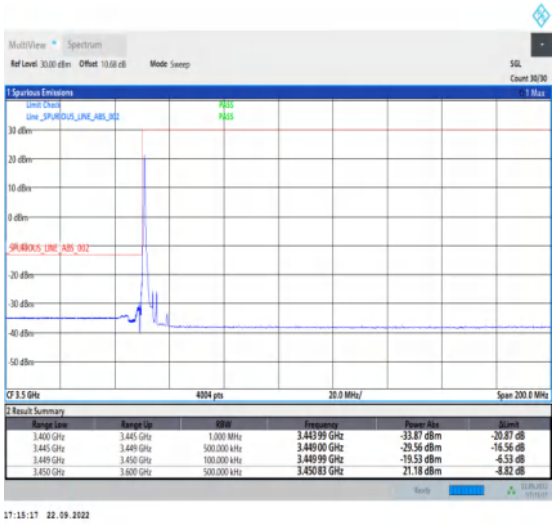

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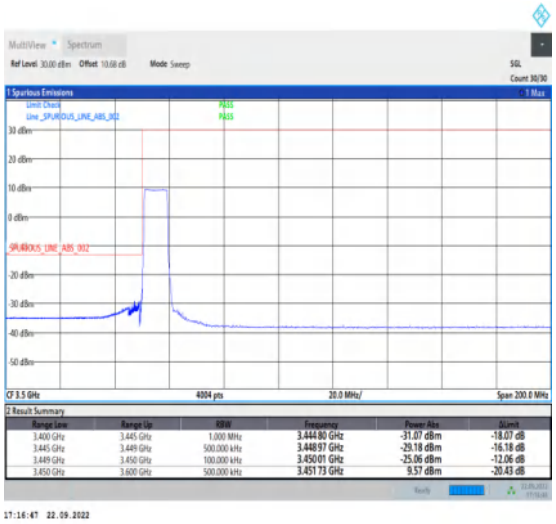

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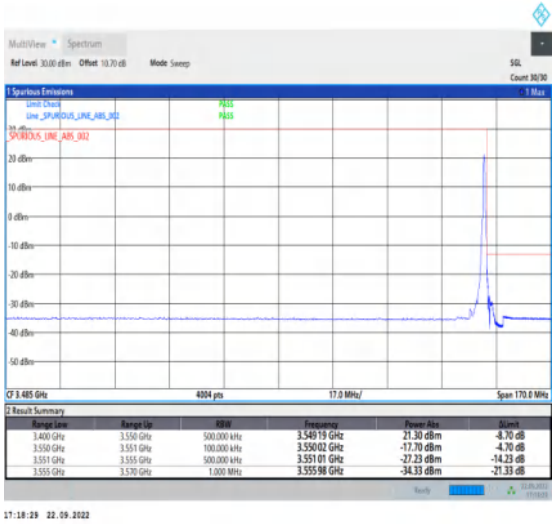

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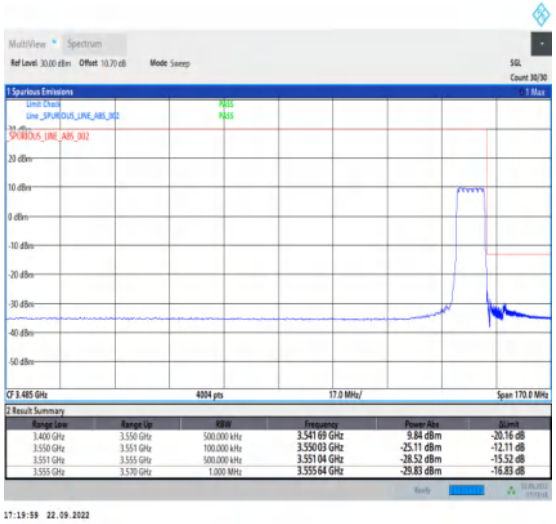

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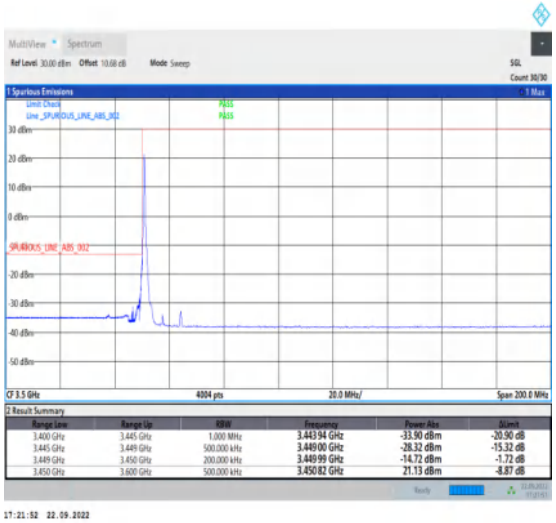

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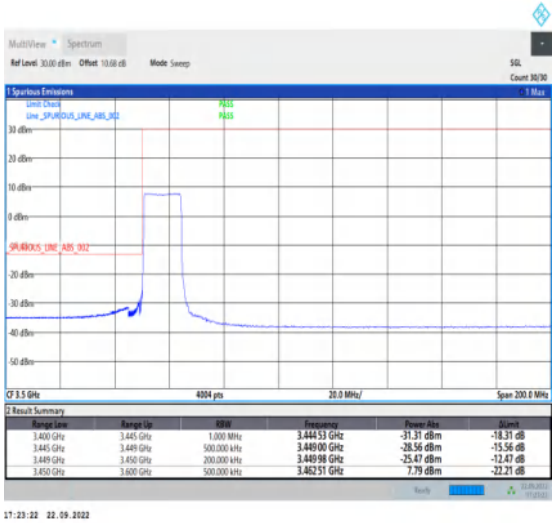

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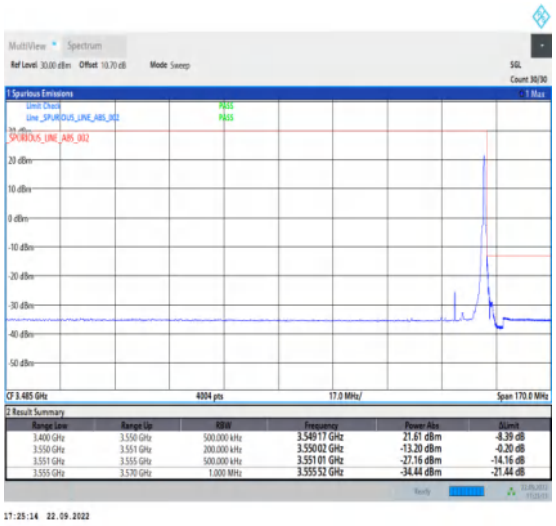

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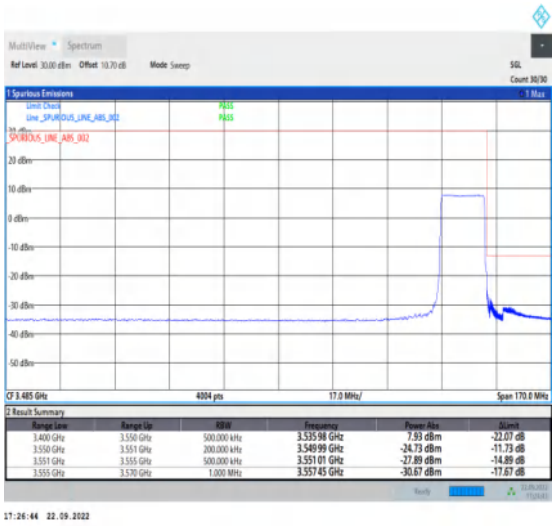

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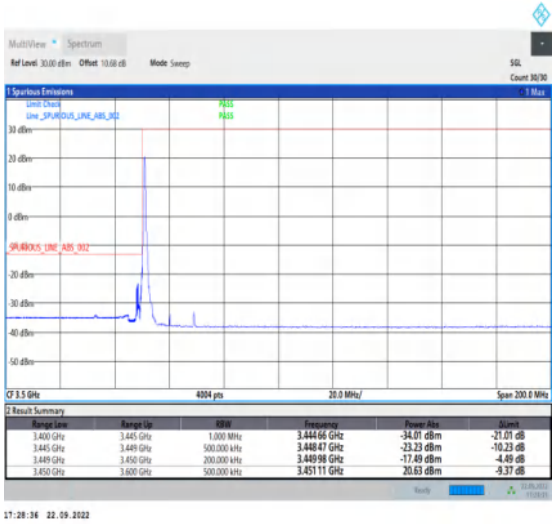

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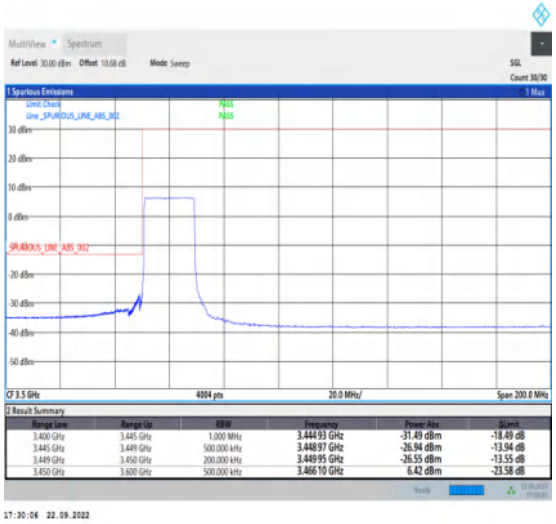

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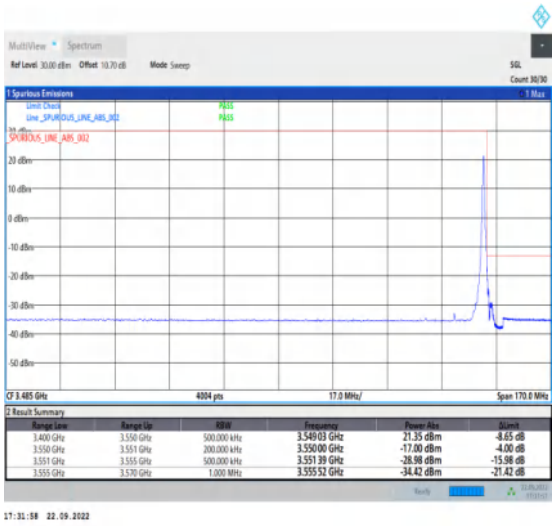

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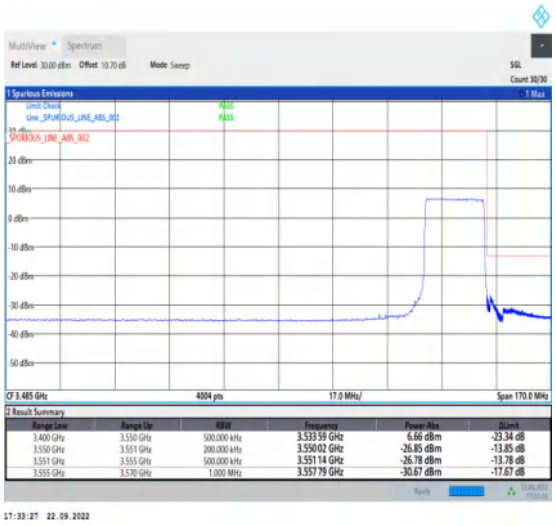

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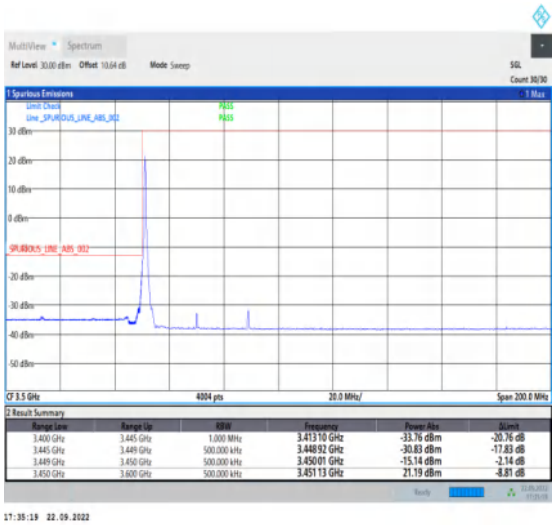

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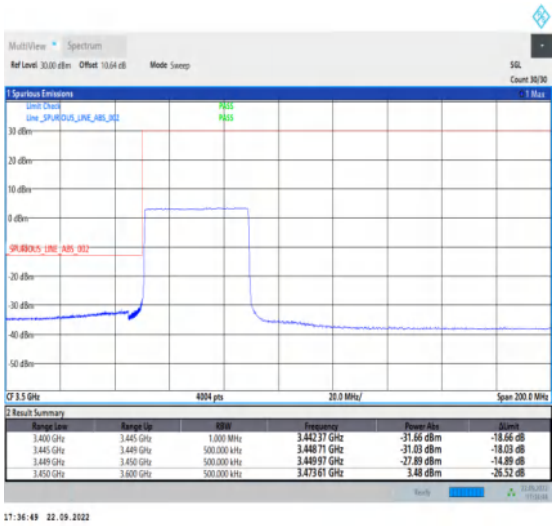

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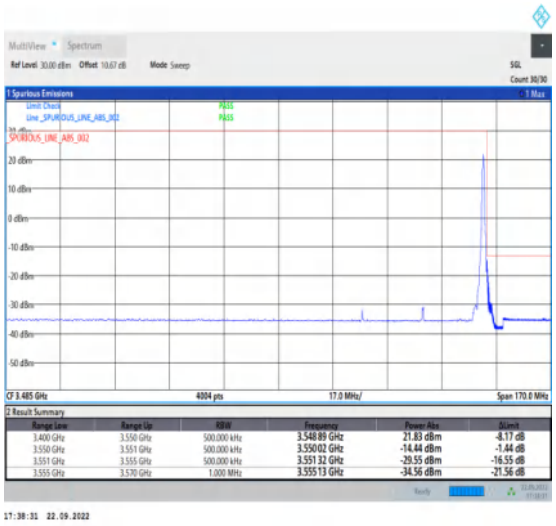

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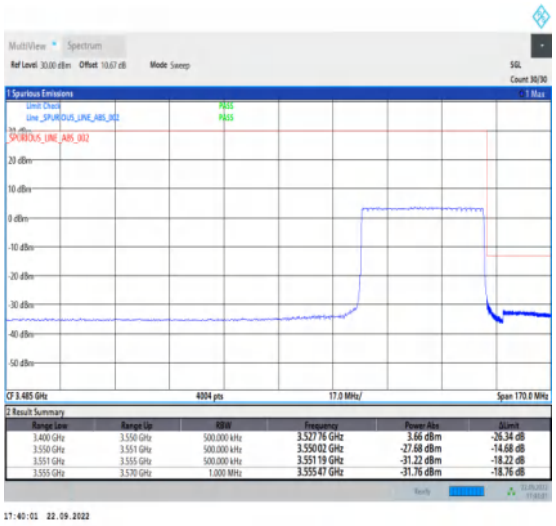

1-N78-3450-3550-PC2-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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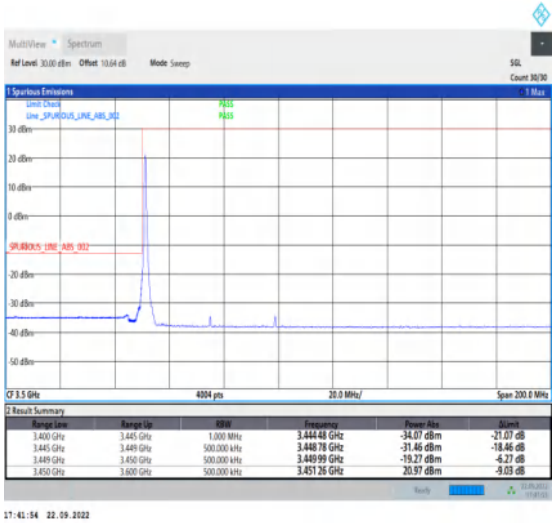
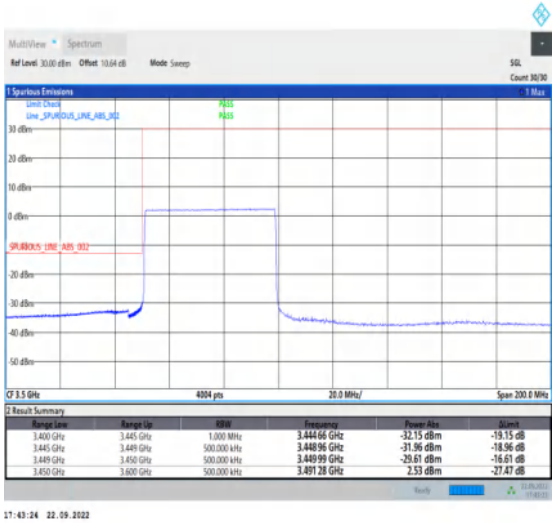
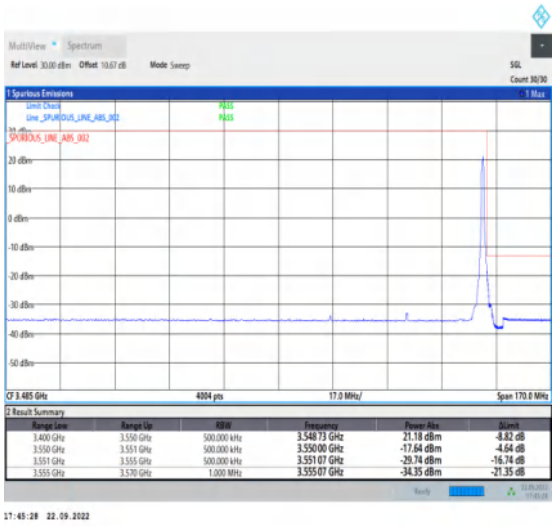


1-N78-3450-3550-PC2-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



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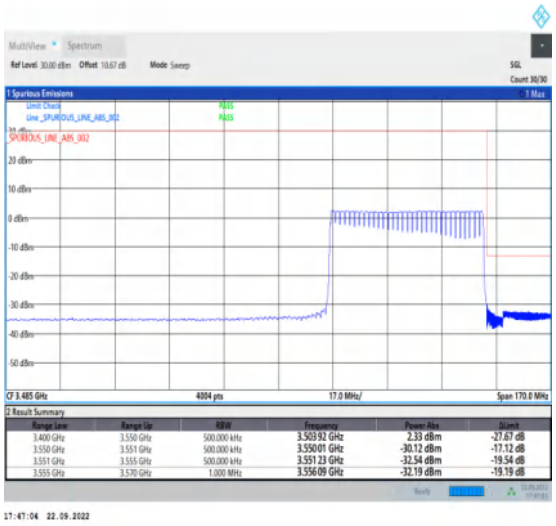

1-N78-3450-3550-PC2-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph

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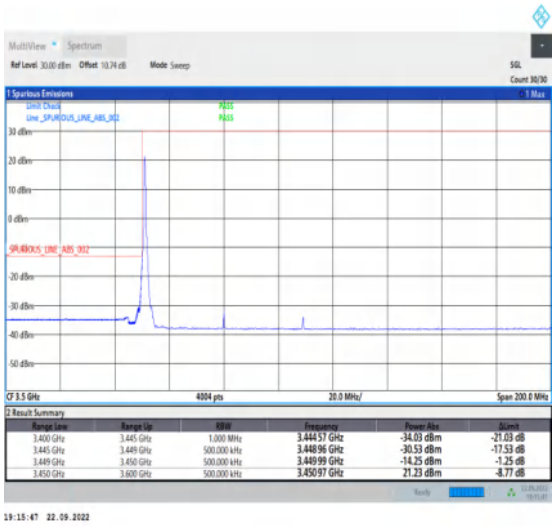
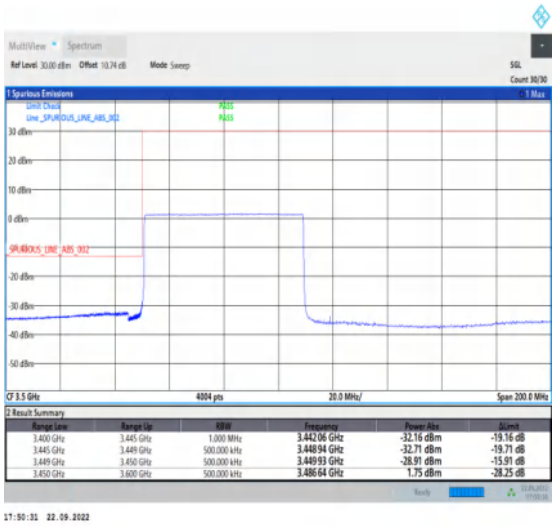
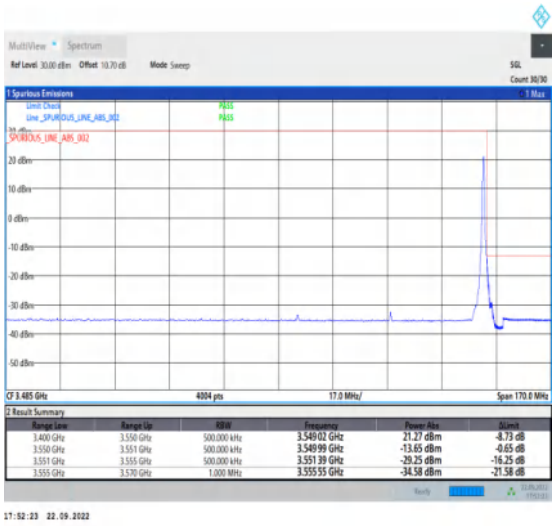


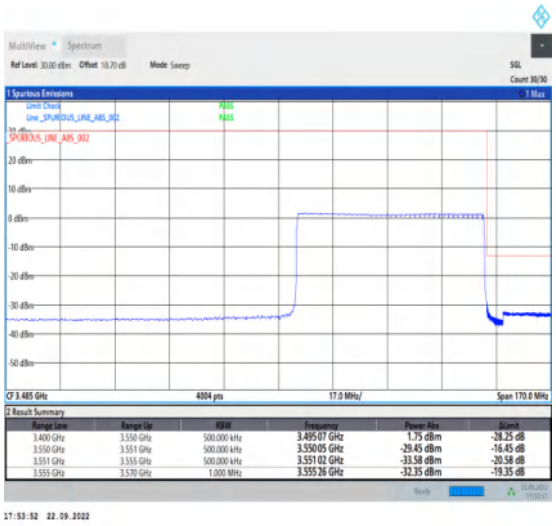
1-N78-3450-3550-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph

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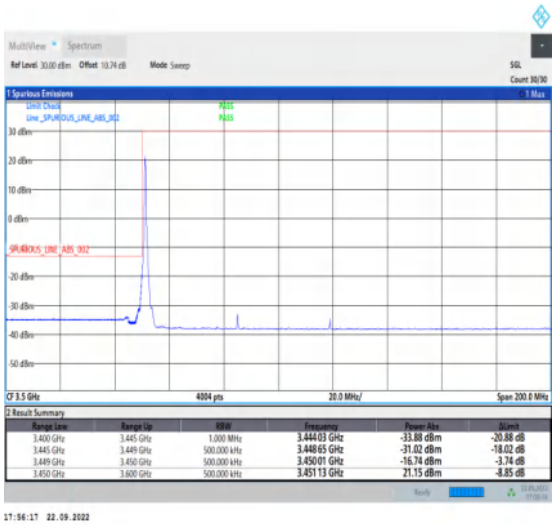
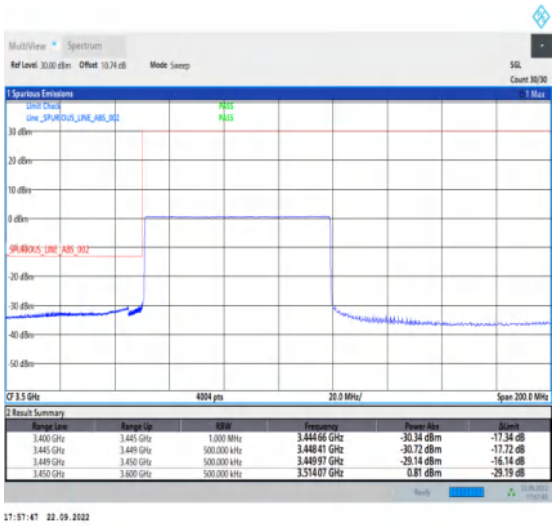
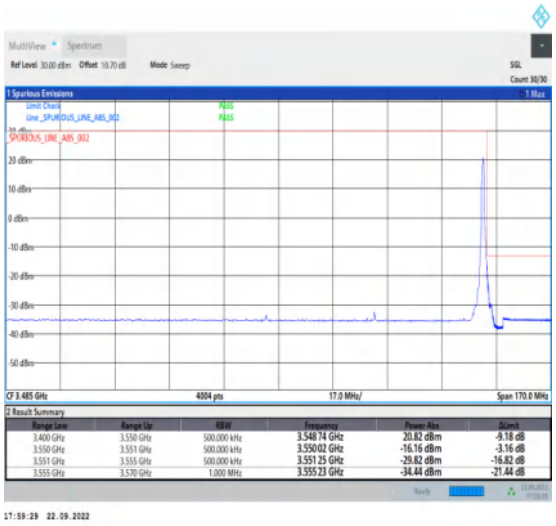


1-N78-3450-3550-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



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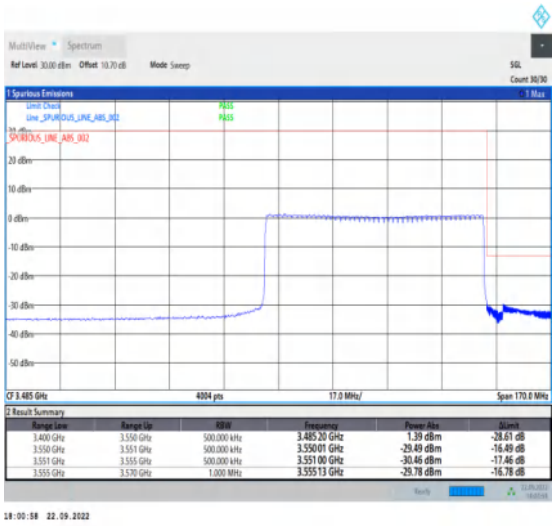

1-N78-3450-3550-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph

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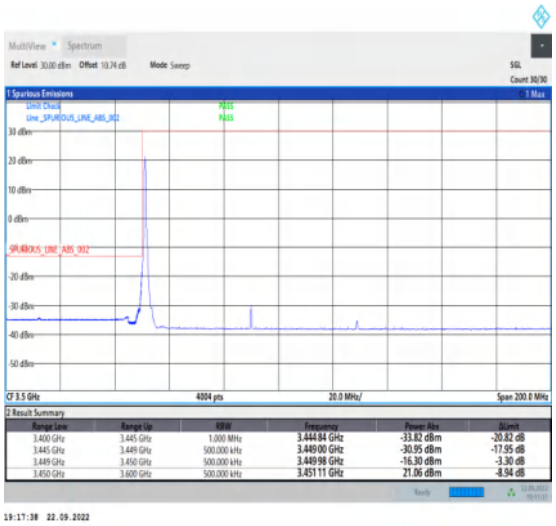
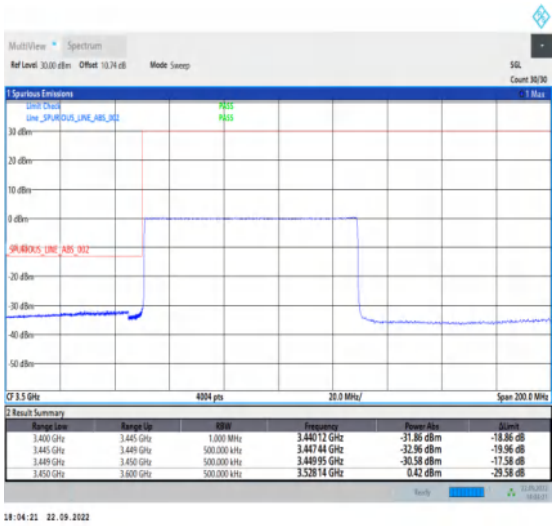


1-N78-3450-3550-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



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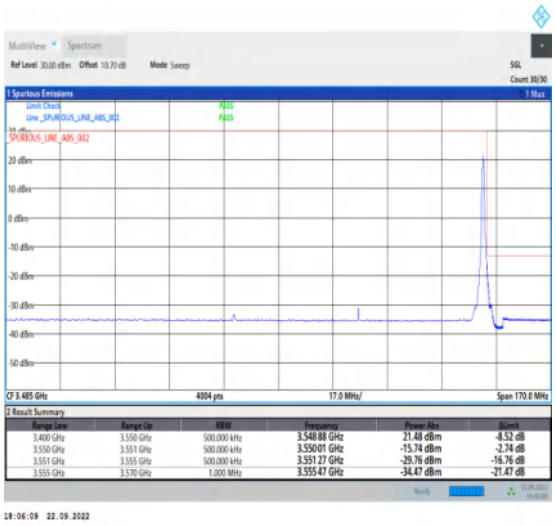
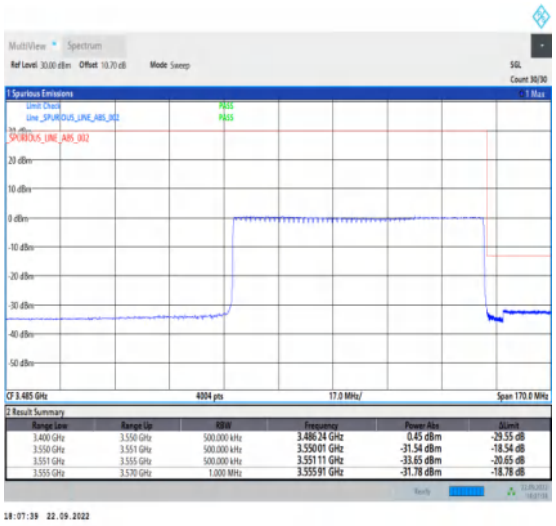


1-N78-3450-3550-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph

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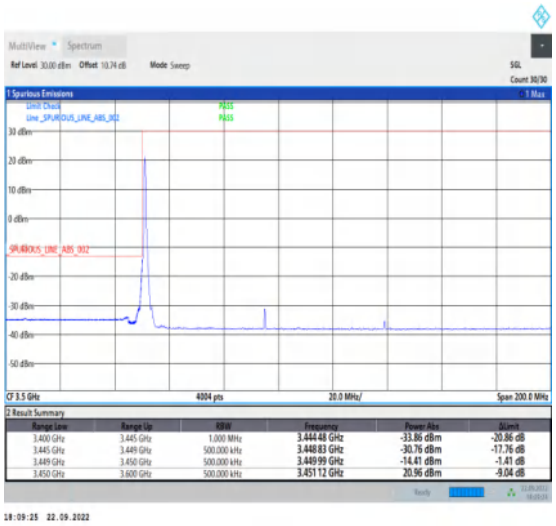

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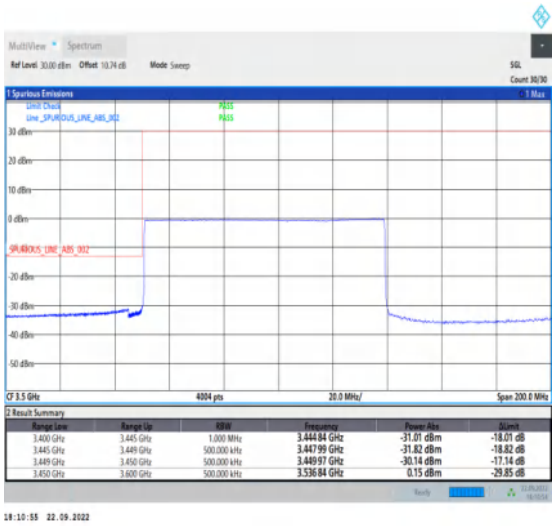
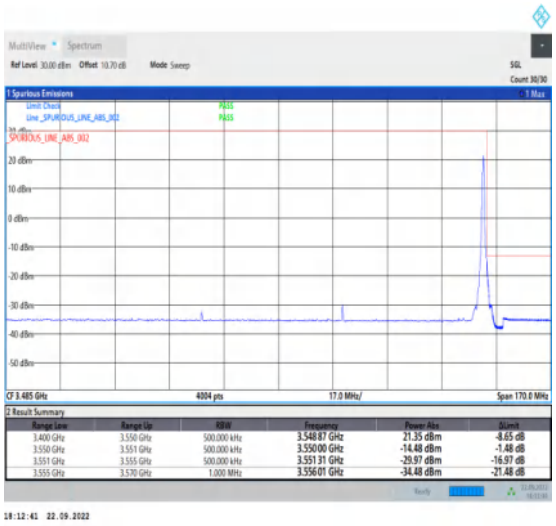


1-N78-3450-3550-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



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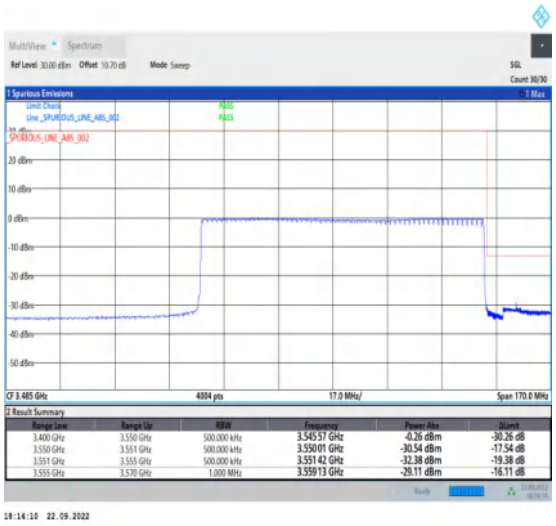

1-N78-3450-3550-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph

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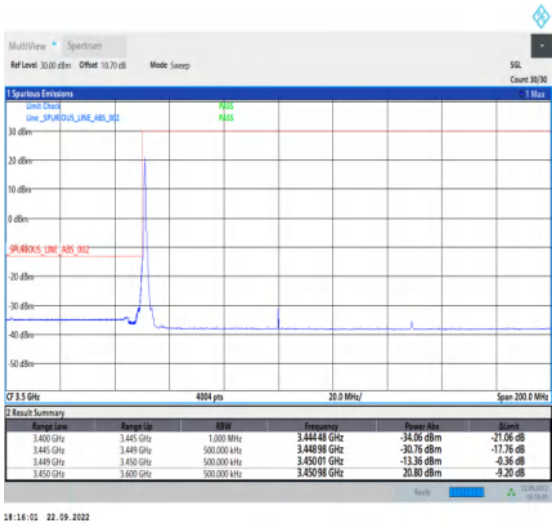

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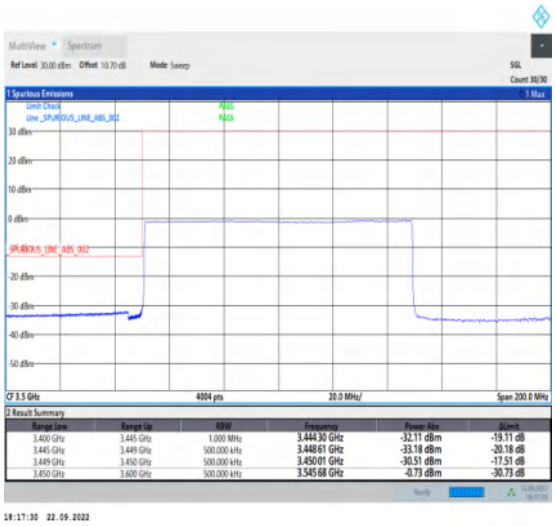
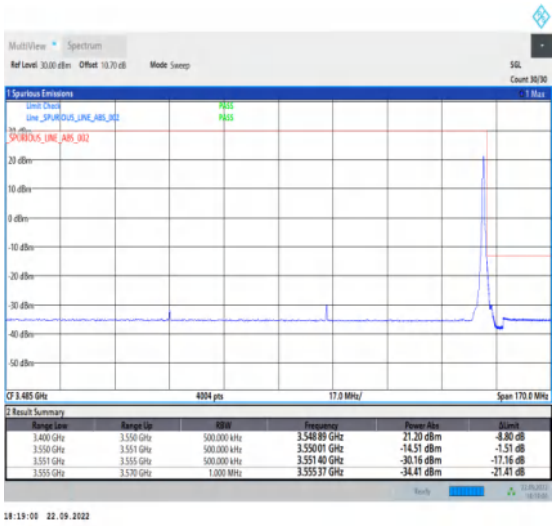


1-N78-3450-3550-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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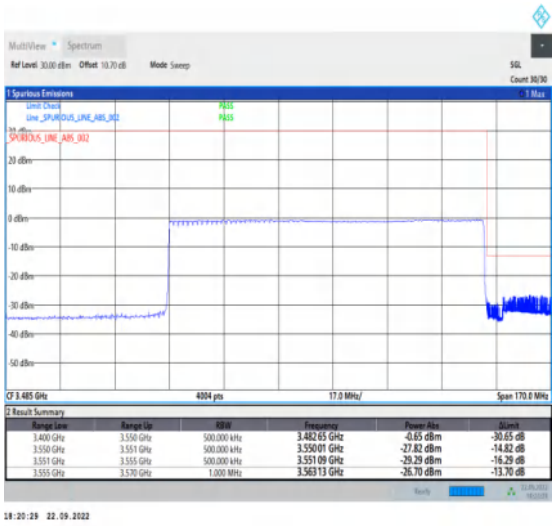

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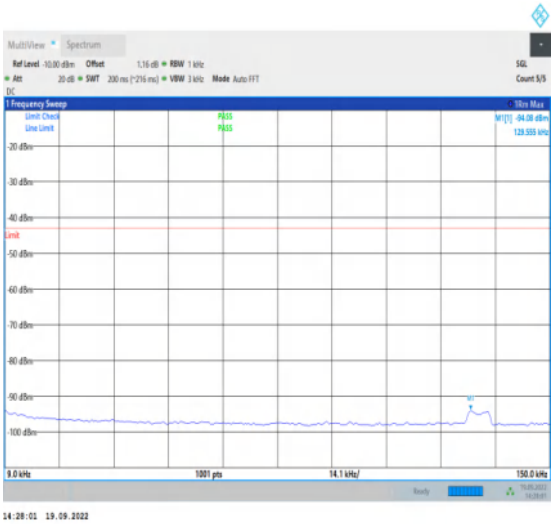
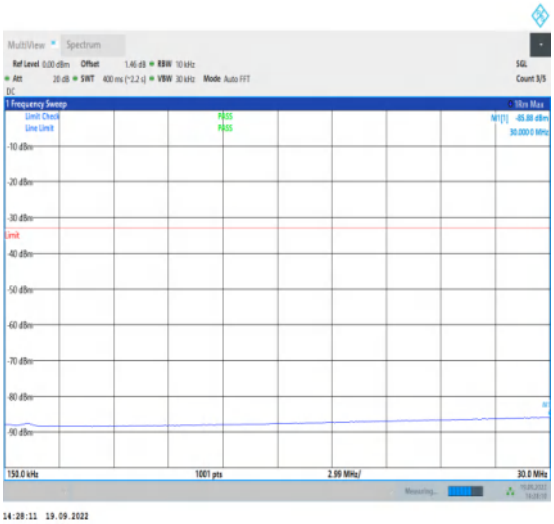
Conducted Spurious Emission for SA

Test Graphs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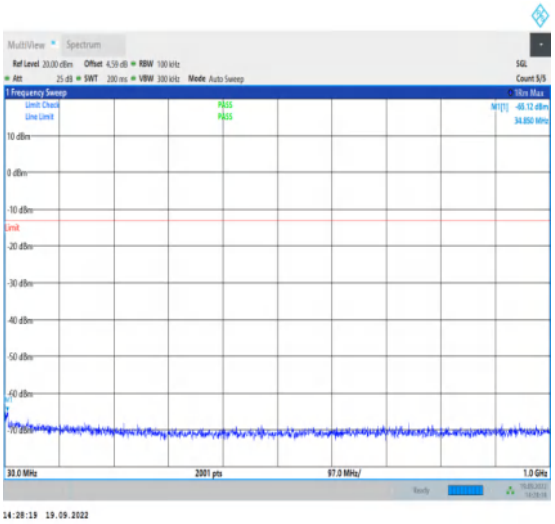	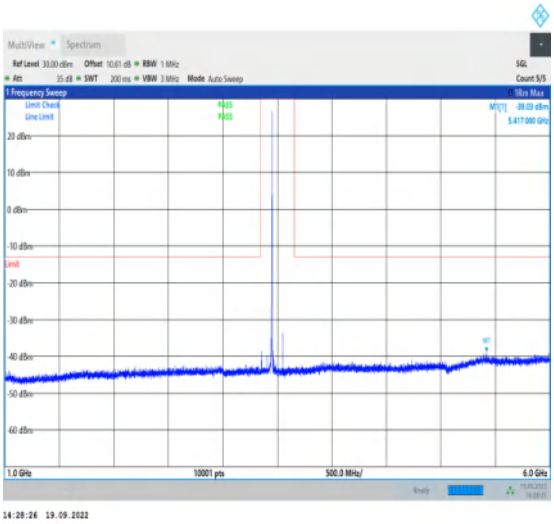
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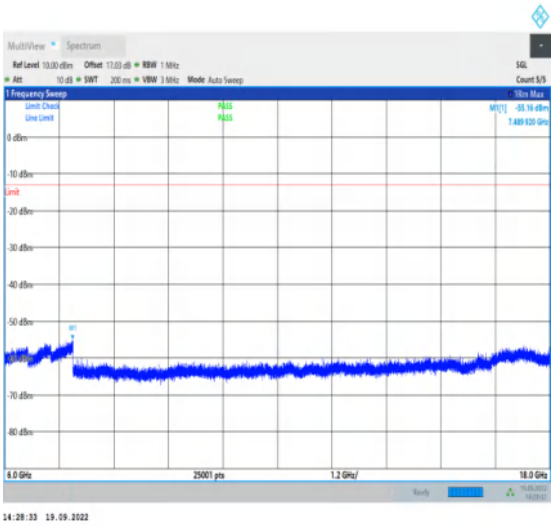

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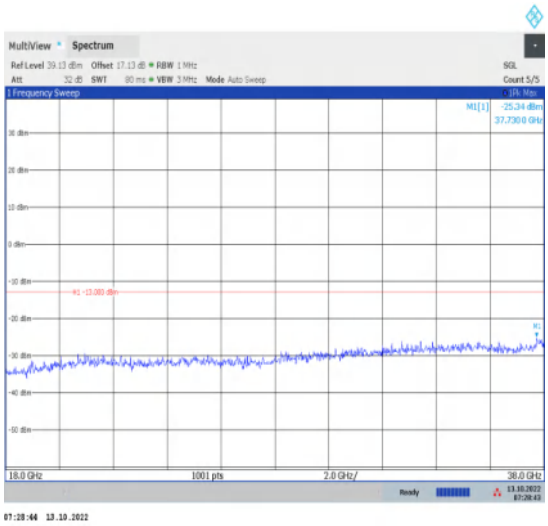

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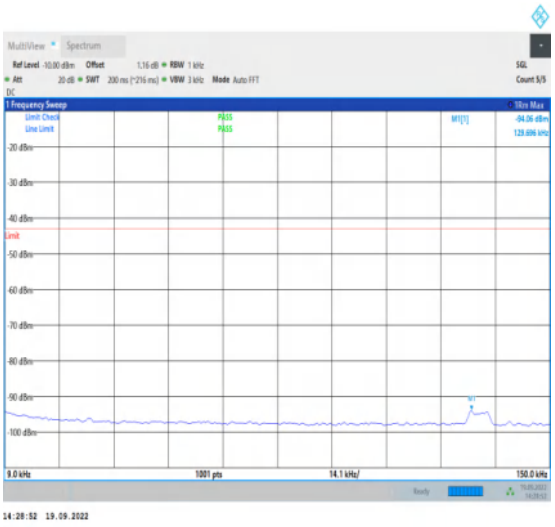

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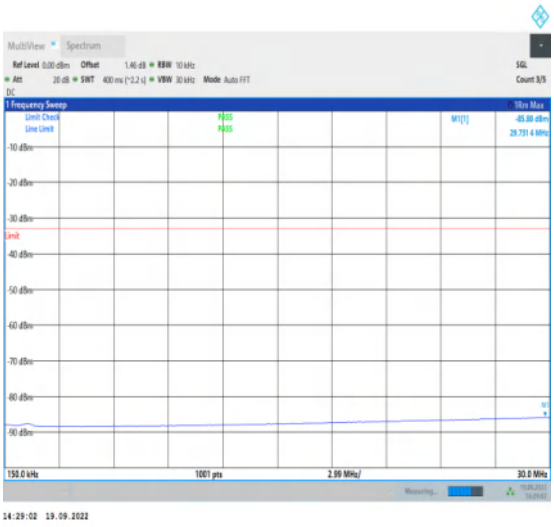

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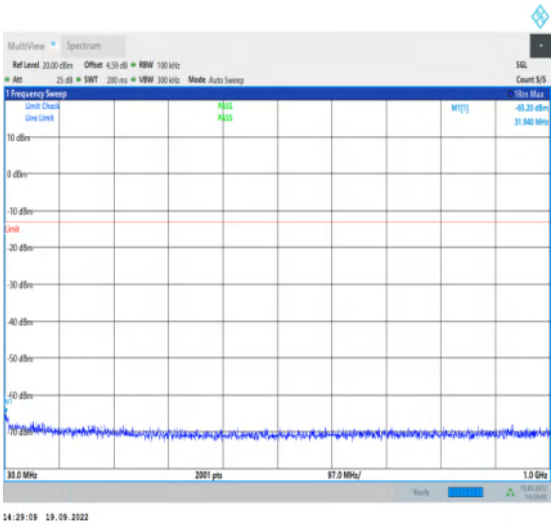

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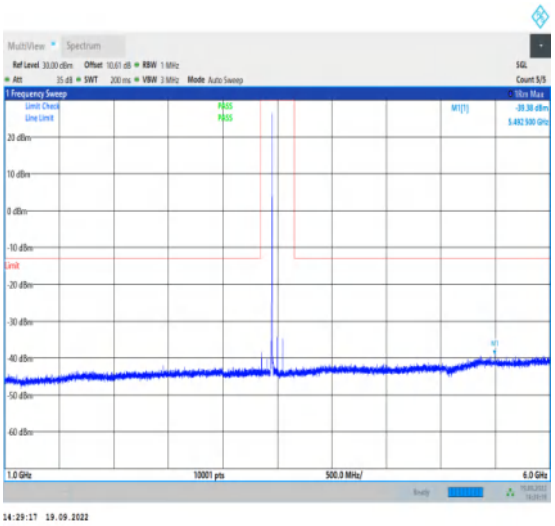

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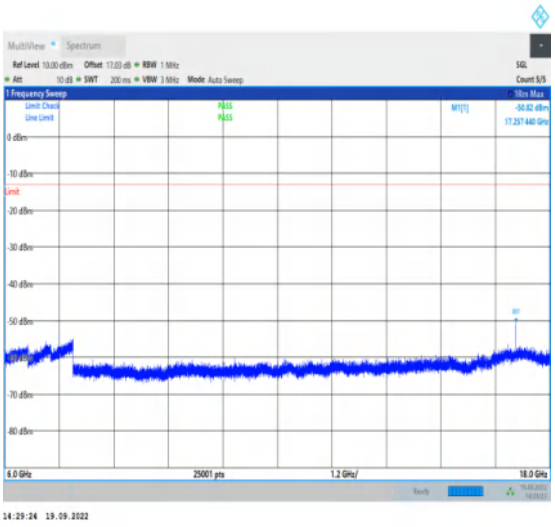

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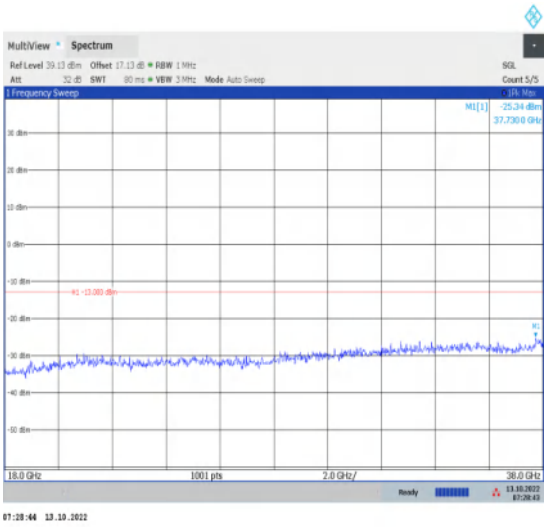

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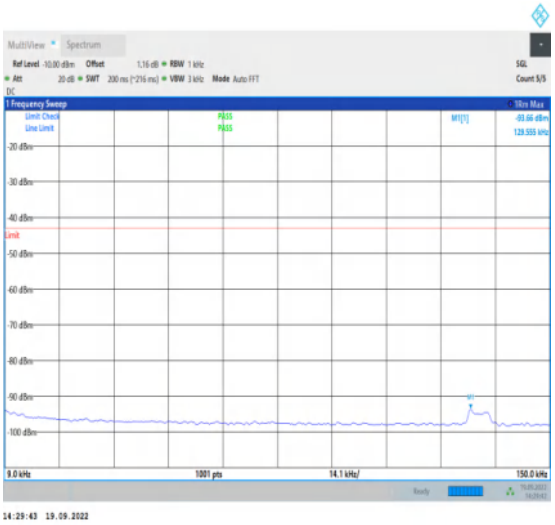

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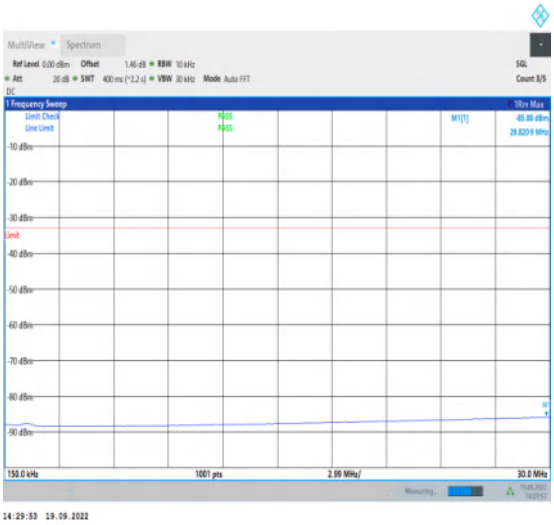

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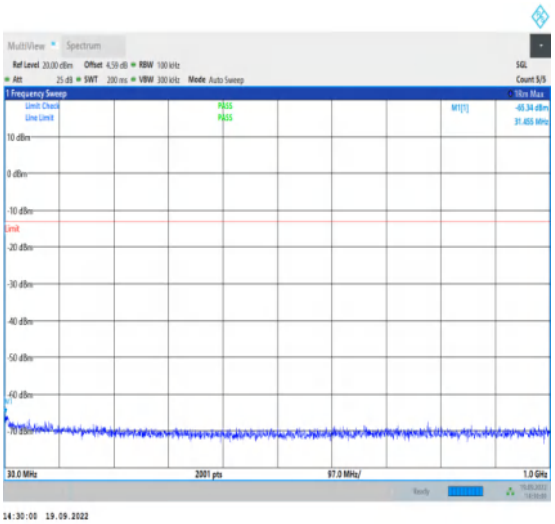

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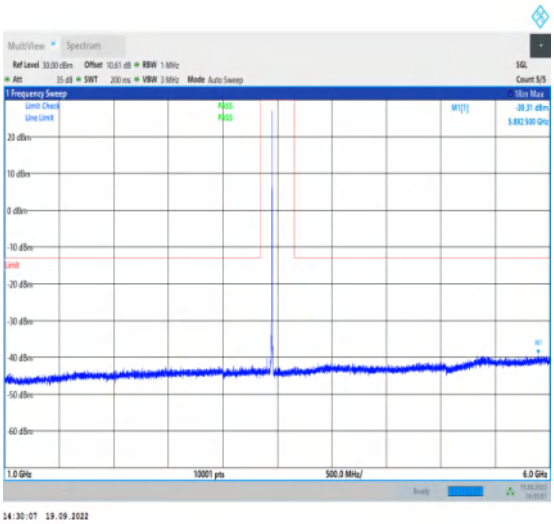

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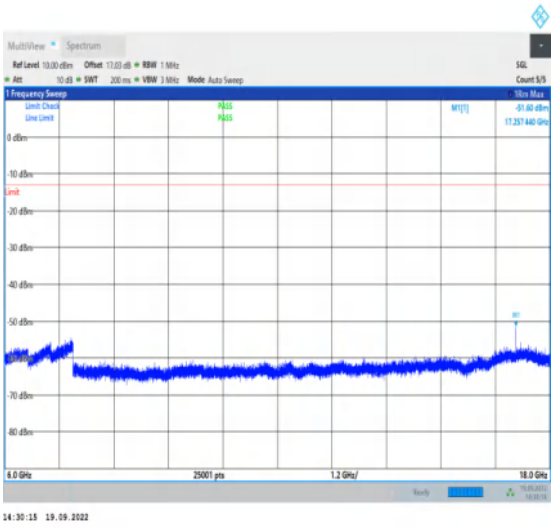	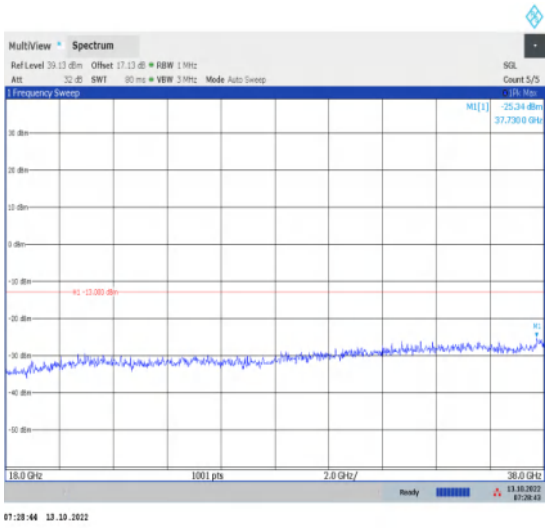
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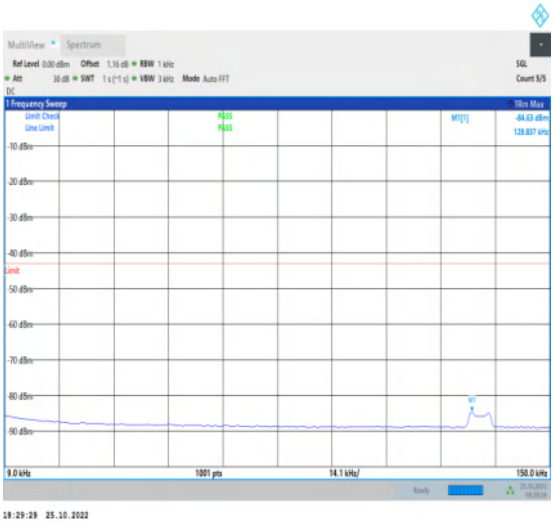	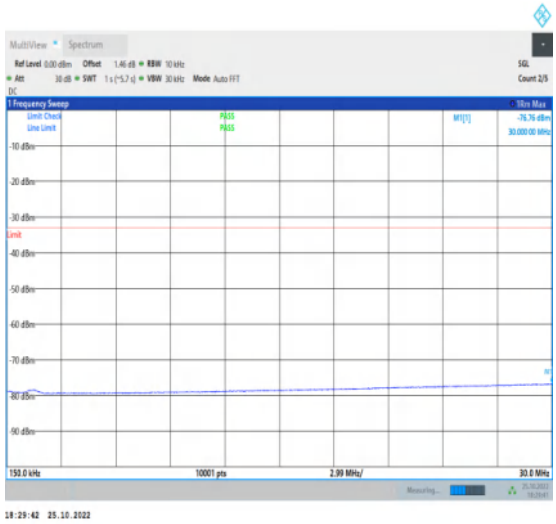
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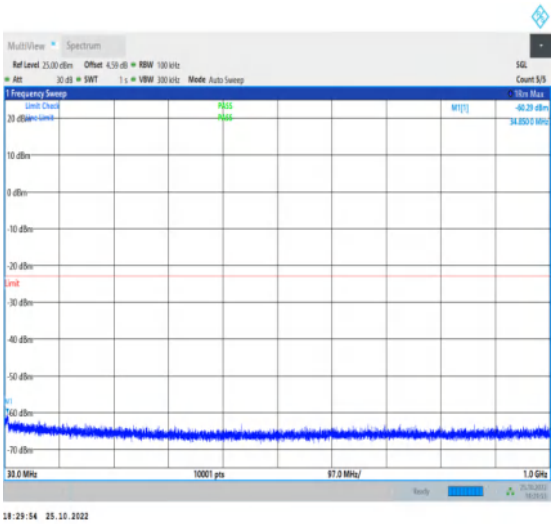	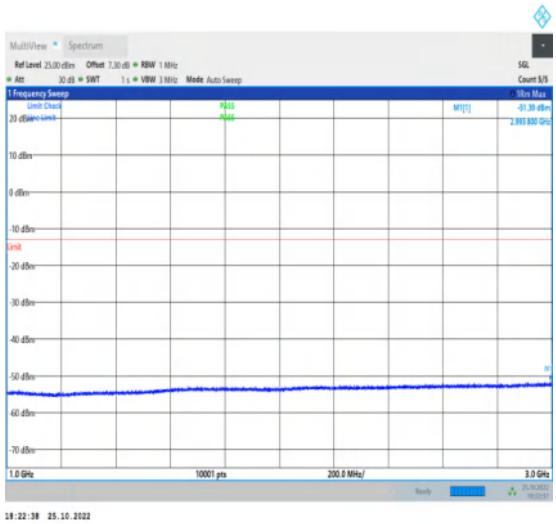
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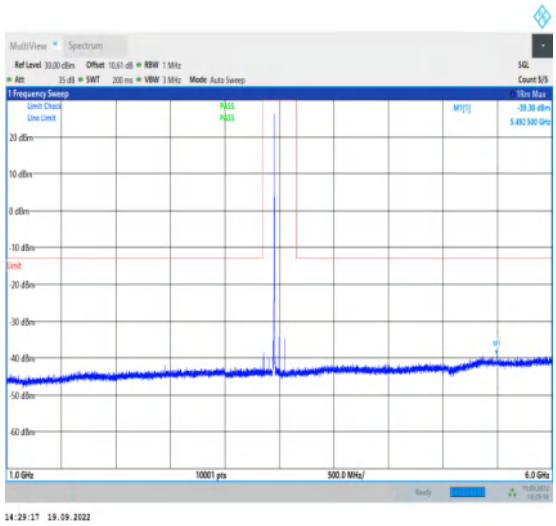	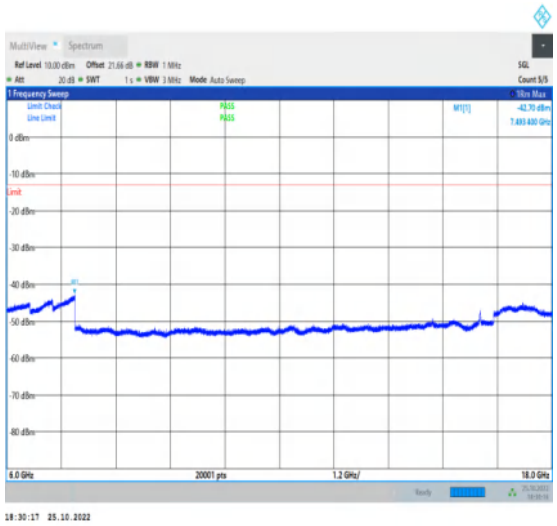
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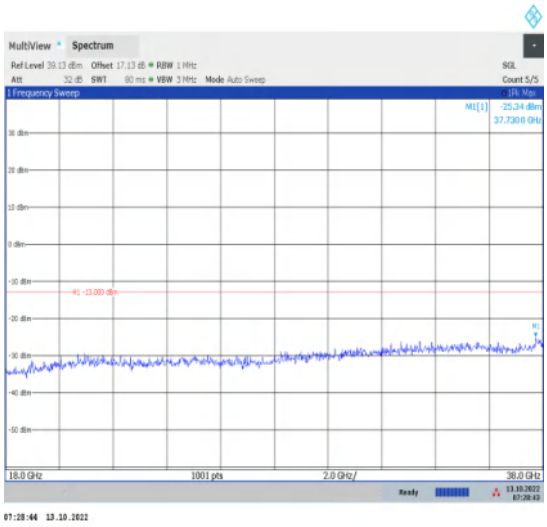	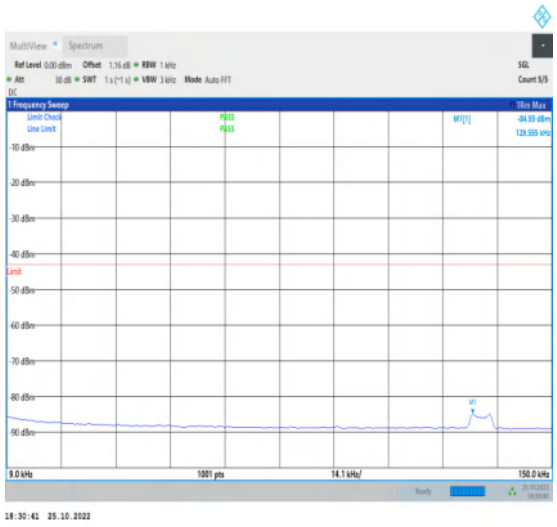
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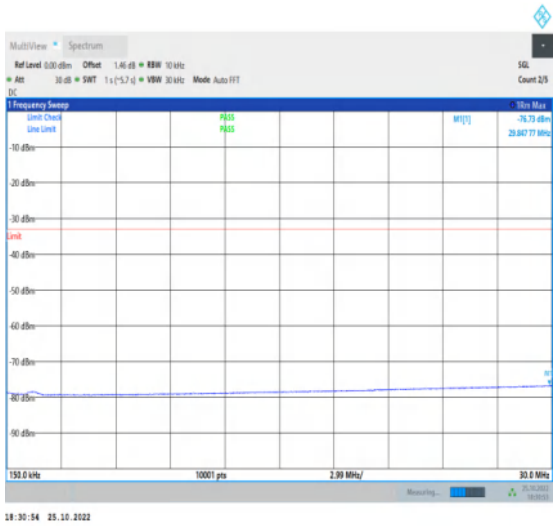	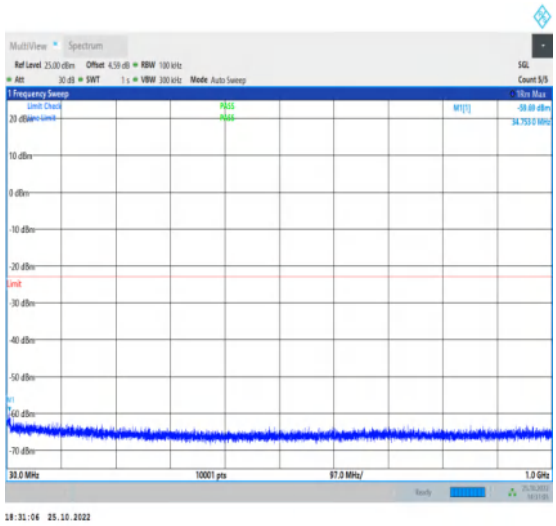
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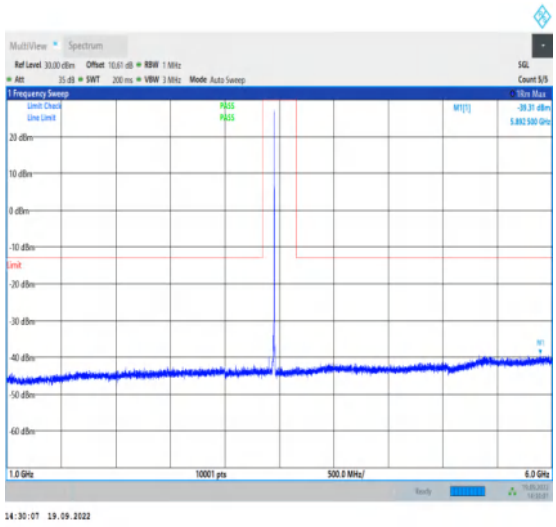	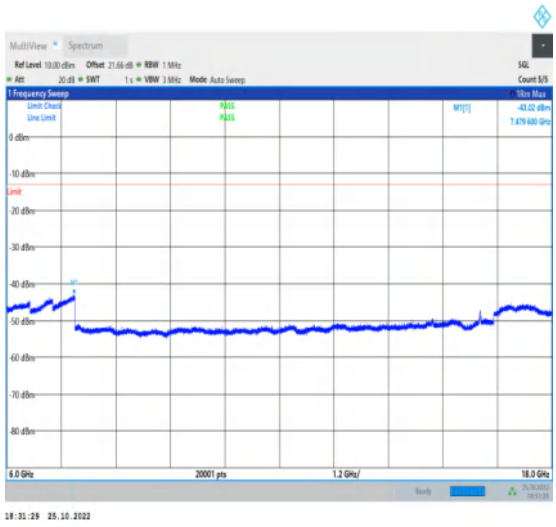
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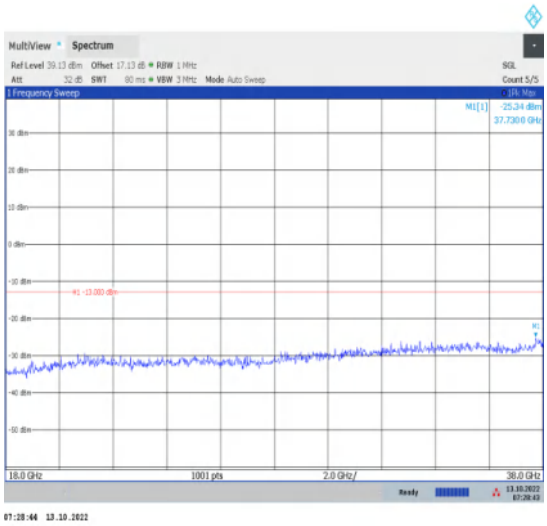

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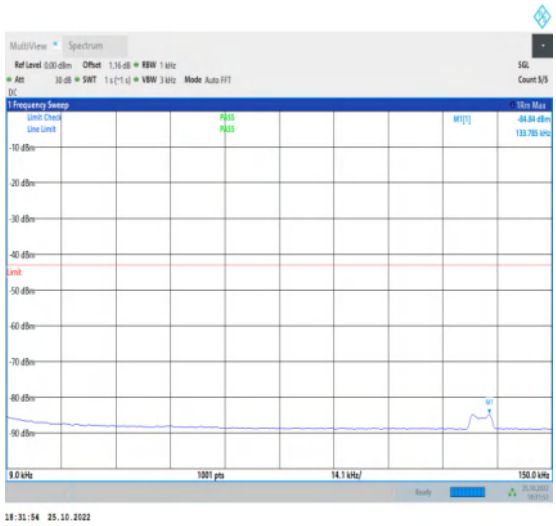

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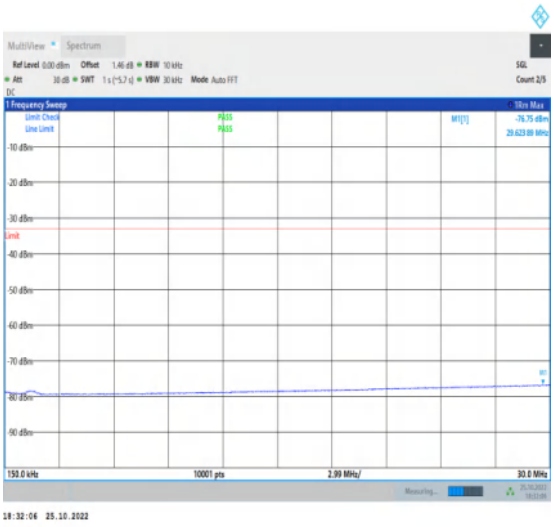

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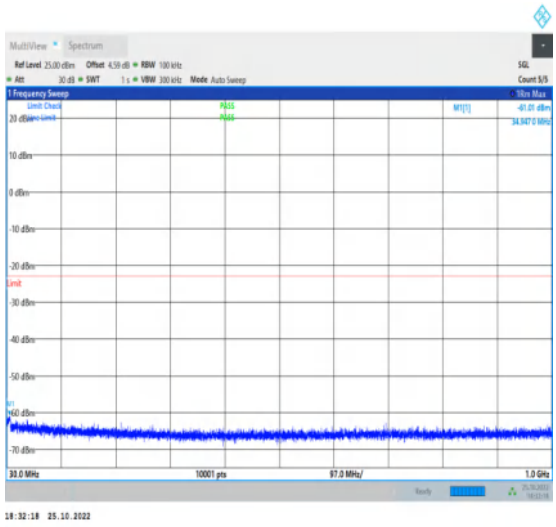

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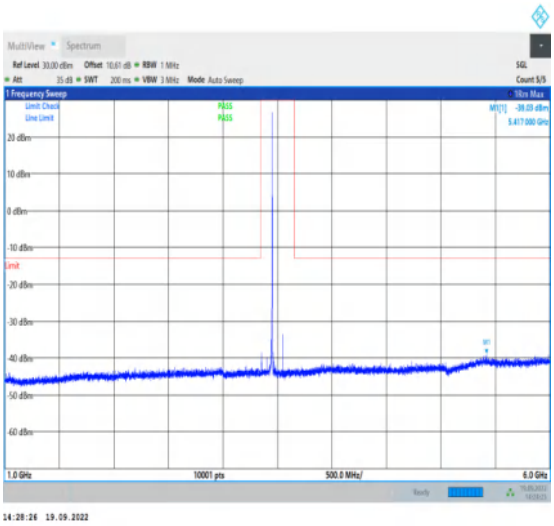	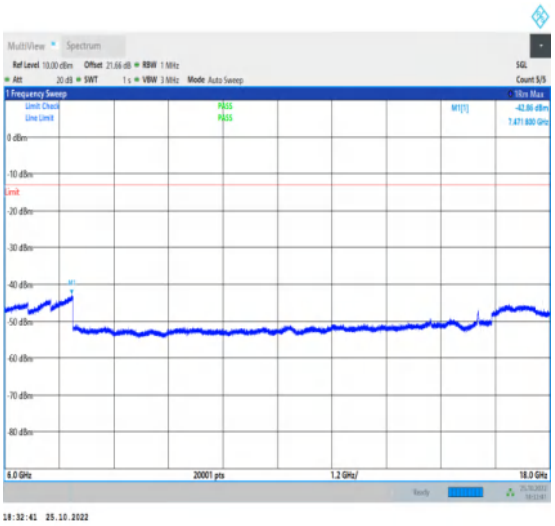
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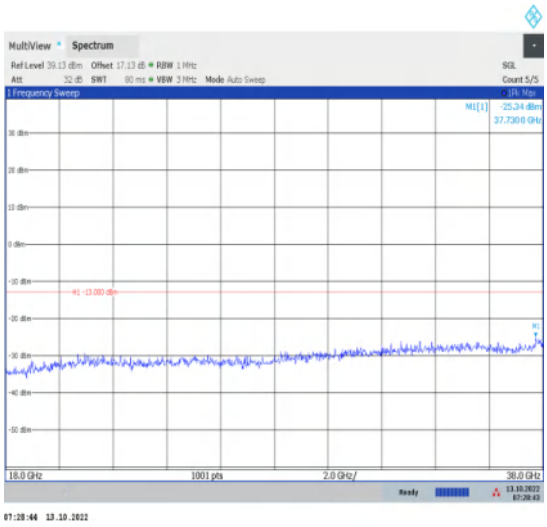	
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Field Strength of Spurious Radiation

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.95	-43.61	35.85	-55.07	-13.00	42.07	165	130	Horizontal
2	8424.525	45.36	-41.48	37.38	-53.99	-13.00	40.99	215	38	Horizontal
3	10215.2700	32.93	-39.23	38.81	-62.75	-13.00	49.75	145	357	Horizontal
4	12810.625	33.98	-36.65	39.64	-58.29	-13.00	45.29	175	207	Horizontal
5	13620.3600	30.56	-36.03	40.13	-60.60	-13.00	47.60	196	115	Horizontal
6	17025.4500	30.34	-33.71	38.51	-60.12	-13.00	47.12	133	268	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	46.64	-43.61	35.85	-56.38	-13.00	43.38	255	5	Vertical
2	8417.625	45.74	-41.45	37.37	-53.60	-13.00	40.60	145	5	Vertical
3	10215.2700	34.54	-39.23	38.81	-61.14	-13.00	48.14	298	23	Vertical
4	12831.9	32.98	-36.70	39.66	-59.32	-13.00	46.32	241	0	Vertical
5	13620.3600	29.27	-36.03	40.13	-61.89	-13.00	48.89	236	85	Vertical
6	17025.4500	30.13	-33.71	38.51	-60.33	-13.00	47.33	126	146	Vertical

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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	45.94	-43.80	35.97	-57.15	-13.00	44.15	166	69	Horizontal
2	8409.575	45.31	-41.41	37.35	-54.01	-13.00	41.01	185	206	Horizontal
3	10365.2700	32.70	-38.81	38.85	-62.51	-13.00	49.51	149	84	Horizontal
4	12804.3	32.94	-36.63	39.63	-59.32	-13.00	46.32	175	283	Horizontal
5	13820.3600	31.55	-36.11	39.98	-59.84	-13.00	46.84	133	0	Horizontal
6	17275.4500	31.74	-35.16	38.70	-59.97	-13.00	46.97	295	13	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	46.18	-43.80	35.97	-56.91	-13.00	43.91	211	1	Vertical
2	8410.15	44.59	-41.41	37.35	-54.73	-13.00	41.73	165	23	Vertical
3	10365.2700	33.81	-38.81	38.85	-61.40	-13.00	48.40	148	160	Vertical
4	12833.05	32.81	-36.70	39.66	-59.49	-13.00	46.49	159	300	Vertical
5	13820.3600	29.75	-36.11	39.98	-61.64	-13.00	48.64	172	55	Vertical
6	17275.4500	33.53	-35.16	38.70	-58.18	-13.00	45.18	130	41	Vertical

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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	45.96	-43.06	36.11	-56.25	-13.00	43.25	255	71	Horizontal
2	8460.175	44.54	-41.63	37.46	-54.89	-13.00	41.89	148	162	Horizontal
3	9465.275	41.12	-39.95	38.47	-55.61	-13.00	42.61	198	116	Horizontal
4	10515.2700	31.70	-38.64	38.98	-63.23	-13.00	50.23	126	26	Horizontal
5	14020.3600	26.68	-35.04	40.15	-63.47	-13.00	50.47	231	314	Horizontal
6	17525.4500	29.59	-33.81	39.28	-60.20	-13.00	47.20	127	116	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.60	-43.06	36.11	-55.61	-13.00	42.61	254	102	Vertical
2	8402.1	44.89	-41.38	37.33	-54.41	-13.00	41.41	165	238	Vertical
3	10515.2700	31.62	-38.64	38.98	-63.31	-13.00	50.31	198	55	Vertical
4	12761.175	33.54	-36.70	39.56	-58.86	-13.00	45.86	175	6	Vertical
5	14020.3600	26.58	-35.04	40.15	-63.57	-13.00	50.57	140	178	Vertical
6	17525.4500	30.90	-33.81	39.28	-58.89	-13.00	45.89	211	13	Vertical

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Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.35	-43.61	35.85	-55.67	-13.00	42.67	163	163	Horizontal
2	8415.9	46.79	-41.44	37.36	-52.54	-13.00	39.54	254	299	Horizontal
3	10215.2700	37.36	-39.23	38.81	-58.32	-13.00	45.32	165	147	Horizontal
4	11246.05	37.23	-36.89	39.11	-55.81	-13.00	42.81	233	208	Horizontal
5	13620.3600	31.99	-36.03	40.13	-59.17	-13.00	46.17	130	208	Horizontal
6	17025.4500	32.26	-33.71	38.51	-58.20	-13.00	45.20	175	0	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	46.67	-43.61	35.85	-56.35	-13.00	43.35	185	237	Vertical
2	8413.025	46.79	-41.43	37.36	-52.54	-13.00	39.54	145	85	Vertical
3	10215.2700	38.02	-39.23	38.81	-57.66	-13.00	44.66	133	0	Vertical
4	11247.775	36.96	-36.90	39.11	-56.09	-13.00	43.09	236	145	Vertical
5	13620.3600	31.98	-36.03	40.13	-59.18	-13.00	46.18	261	0	Vertical
6	17025.4500	32.44	-33.71	38.51	-58.02	-13.00	45.02	145	313	Vertical

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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	46.83	-43.80	35.97	-56.26	-13.00	43.26	215	267	Horizontal
2	8404.975	47.45	-41.39	37.34	-51.86	-13.00	38.86	163	328	Horizontal
3	10365.2700	36.15	-38.81	38.85	-59.06	-13.00	46.06	145	176	Horizontal
4	11235.7	37.64	-36.82	39.11	-55.33	-13.00	42.33	125	162	Horizontal
5	13820.3600	32.60	-36.11	39.98	-58.79	-13.00	45.79	185	53	Horizontal
6	17275.4500	34.42	-35.16	38.70	-57.29	-13.00	44.29	166	176	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.19	-43.80	35.97	-55.90	-13.00	42.90	165	298	Vertical
2	8403.825	47.03	-41.39	37.34	-52.28	-13.00	39.28	145	191	Vertical
3	10365.2700	36.53	-38.81	38.85	-58.68	-13.00	45.68	185	191	Vertical
4	12229.875	35.26	-36.97	39.12	-57.85	-13.00	44.85	199	222	Vertical
5	13820.3600	33.08	-36.11	39.98	-58.31	-13.00	45.31	142	206	Vertical
6	17275.4500	34.56	-35.16	38.70	-57.15	-13.00	44.15	136	132	Vertical

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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.52	-43.06	36.11	-55.69	-13.00	42.69	111	298	Horizontal
2	8429.7	46.86	-41.50	37.39	-52.51	-13.00	39.51	136	1	Horizontal
3	10515.2700	35.88	-38.64	38.98	-59.05	-13.00	46.05	165	101	Horizontal
4	12824.425	35.59	-36.68	39.65	-56.70	-13.00	43.70	142	191	Horizontal
5	14020.3600	28.91	-35.04	40.15	-61.24	-13.00	48.24	178	38	Horizontal
6	17525.4500	32.13	-33.81	39.28	-57.66	-13.00	44.66	195	357	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	47.41	-43.06	36.11	-54.80	-13.00	41.80	265	98	Vertical
2	8410.725	47.40	-41.42	37.35	-51.92	-13.00	38.92	158	264	Vertical
3	10515.2700	35.39	-38.64	38.98	-59.54	-13.00	46.54	142	175	Vertical
4	12214.35	36.02	-37.04	39.13	-57.16	-13.00	44.16	126	236	Vertical
5	14020.3600	29.74	-35.04	40.15	-60.41	-13.00	47.41	236	67	Vertical
6	17525.4500	31.24	-33.81	39.28	-58.55	-13.00	45.55	261	219	Vertical

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Test Band = UL MIMO N78_ TM1
Test Channel = Low 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6610.2000	47.41	-43.82	35.46	-56.21	-13.00	43.21	255	270	Horizontal
2	8427.4	46.05	-41.49	37.39	-53.31	-13.00	40.31	144	148	Horizontal
3	9915.3000	35.72	-39.23	38.38	-60.39	-13.00	47.39	162	2	Horizontal
4	11230.525	35.52	-36.79	39.11	-57.42	-13.00	44.42	135	180	Horizontal
5	13220.4000	31.46	-36.66	39.94	-60.52	-13.00	47.52	185	0	Horizontal
6	16525.5000	32.37	-34.34	37.98	-59.25	-13.00	46.25	140	0	Horizontal

Test Band = UL MIMO N78_ TM1
Test Channel = Low 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6610.2000	47.16	-43.82	35.46	-56.46	-13.00	43.46	168	16	Vertical
2	8471.1	45.43	-41.68	37.48	-54.03	-13.00	41.03	142	317	Vertical
3	9451.475	42.34	-39.94	38.48	-54.38	-13.00	41.38	173	120	Vertical
4	9915.3000	35.61	-39.23	38.38	-60.50	-13.00	47.50	126	164	Vertical
5	13220.4000	30.14	-36.66	39.94	-61.84	-13.00	48.84	166	0	Vertical
6	16525.5000	32.56	-34.34	37.98	-59.06	-13.00	46.06	190	43	Vertical

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Test Band = UL MIMO N78_ TM1
Test Channel = Mid 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1600	46.01	-43.06	36.11	-56.20	-13.00	43.20	155	346	Horizontal
2	8404.4	45.87	-41.39	37.34	-53.44	-13.00	40.44	148	2	Horizontal
3	9419.275	41.69	-39.93	38.49	-55.01	-13.00	42.01	165	0	Horizontal
4	10515.2400	34.51	-38.64	38.98	-60.42	-13.00	47.42	189	103	Horizontal
5	14020.3200	27.39	-35.04	40.15	-62.76	-13.00	49.76	192	1	Horizontal
6	17525.4000	30.84	-33.81	39.28	-58.95	-13.00	45.95	143	272	Horizontal

Test Band = UL MIMO N78_ TM1
Test Channel = Mid 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1600	45.93	-43.06	36.11	-56.28	-13.00	43.28	199	191	Vertical
2	8411.3	45.18	-41.42	37.35	-54.14	-13.00	41.14	185	0	Vertical
3	9490	41.46	-39.96	38.47	-55.29	-13.00	42.29	142	0	Vertical
4	10515.2400	32.88	-38.64	38.98	-62.05	-13.00	49.05	163	344	Vertical
5	14020.3200	27.55	-35.04	40.15	-62.60	-13.00	49.60	288	146	Vertical
6	17525.4000	32.56	-33.81	39.28	-57.23	-13.00	44.23	175	269	Vertical

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Test Band = UL MIMO N78_ TM1
Test Channel = High 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7410.1800	45.09	-42.83	36.48	-56.51	-13.00	43.51	188	344	Horizontal
2	8417.05	45.53	-41.44	37.37	-53.81	-13.00	40.81	145	356	Horizontal
3	9436.525	42.79	-39.93	38.48	-53.92	-13.00	40.92	199	299	Horizontal
4	11115.2700	31.16	-37.57	39.09	-62.58	-13.00	49.58	162	356	Horizontal
5	12200.55	33.97	-37.11	39.13	-59.27	-13.00	46.27	103	12	Horizontal
6	14820.3600	27.94	-35.03	39.61	-62.73	-13.00	49.73	173	267	Horizontal

Test Band = UL MIMO N78_ TM1
Test Channel = High 3450-3550

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7410.1800	44.42	-42.83	36.48	-57.18	-13.00	44.18	168	208	Vertical
2	8403.25	45.92	-41.38	37.34	-53.39	-13.00	40.39	195	254	Vertical
3	11115.2700	31.17	-37.57	39.09	-62.57	-13.00	49.57	148	23	Vertical
4	11260.425	35.04	-36.98	39.11	-58.09	-13.00	45.09	175	177	Vertical
5	14820.3600	29.81	-35.03	39.61	-60.86	-13.00	47.86	132	254	Vertical
6	17198.45	34.97	-34.76	38.61	-56.44	-13.00	43.44	211	223	Vertical

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Test Band = 5G NR NSA 41A-N78A_ TM1
Test Channel = Low 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	45.90	-43.61	35.85	-57.12	-13.00	44.12	255	178	Horizontal
2	8412.45	45.48	-41.42	37.36	-53.85	-13.00	40.85	142	118	Horizontal
3	10215.2700	34.57	-39.23	38.81	-61.11	-13.00	48.11	136	6	Horizontal
4	12282.2	32.96	-36.72	39.11	-59.92	-13.00	46.92	261	102	Horizontal
5	13620.3600	30.31	-36.03	40.13	-60.85	-13.00	47.85	166	1	Horizontal
6	17025.4500	30.08	-33.71	38.51	-60.38	-13.00	47.38	195	26	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	46.16	-43.61	35.85	-56.86	-13.00	43.86	285	177	Vertical
2	8413.6	45.41	-41.43	37.36	-53.92	-13.00	40.92	147	356	Vertical
3	10215.2700	35.05	-39.23	38.81	-60.63	-13.00	47.63	196	115	Vertical
4	11242.025	34.90	-36.86	39.11	-58.11	-13.00	45.11	153	25	Vertical
5	13620.3600	30.73	-36.03	40.13	-60.43	-13.00	47.43	126	208	Vertical
6	17025.4500	31.19	-33.71	38.51	-59.27	-13.00	46.27	142	225	Vertical

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Test Band = 5G NR NSA 41A-N78A_ TM1
Test Channel = Mid 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	45.98	-43.80	35.97	-57.11	-13.00	44.11	254	6	Horizontal
2	8414.75	45.53	-41.43	37.36	-53.80	-13.00	40.80	126	0	Horizontal
3	9483.1	41.68	-39.95	38.47	-55.06	-13.00	42.06	155	2	Horizontal
4	10365.2700	33.53	-38.81	38.85	-61.68	-13.00	48.68	196	299	Horizontal
5	13820.3600	30.16	-36.11	39.98	-61.23	-13.00	48.23	142	6	Horizontal
6	17275.4500	32.86	-35.16	38.70	-58.85	-13.00	45.85	173	72	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	45.98	-43.80	35.97	-57.11	-13.00	44.11	145	125	Vertical
2	8401.525	45.24	-41.38	37.33	-54.06	-13.00	41.06	126	26	Vertical
3	10365.2700	33.45	-38.81	38.85	-61.76	-13.00	48.76	291	16	Vertical
4	13820.3600	30.44	-36.11	39.98	-60.95	-13.00	47.95	145	331	Vertical
5	15865.025	33.31	-33.76	38.09	-57.62	-13.00	44.62	173	301	Vertical
6	17275.4500	32.15	-35.16	38.70	-59.56	-13.00	46.56	266	0	Vertical

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Test Band = 5G NR NSA 41A-N78A_ TM1
Test Channel = High 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.32	-43.06	36.11	-55.89	-13.00	42.89	255	1	Horizontal
2	8414.175	44.59	-41.43	37.36	-54.74	-13.00	41.74	142	236	Horizontal
3	10515.2700	33.42	-38.64	38.98	-61.51	-13.00	48.51	126	22	Horizontal
4	12868.125	33.24	-36.79	39.70	-59.11	-13.00	46.11	261	98	Horizontal
5	14020.3600	28.40	-35.04	40.15	-61.75	-13.00	48.75	166	221	Horizontal
6	17525.4500	29.95	-33.81	39.28	-59.84	-13.00	46.84	291	267	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	47.30	-43.06	36.11	-54.91	-13.00	41.91	251	148	Vertical
2	8409	44.59	-41.41	37.35	-54.73	-13.00	41.73	145	272	Vertical
3	9454.35	41.76	-39.94	38.48	-54.97	-13.00	41.97	199	163	Vertical
4	10515.2700	32.51	-38.64	38.98	-62.42	-13.00	49.42	126	117	Vertical
5	14020.3600	27.81	-35.04	40.15	-62.34	-13.00	49.34	235	286	Vertical
6	17525.4500	29.51	-33.81	39.28	-60.28	-13.00	47.28	145	272	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 for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.200000	0.000629	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	6.500000	0.001857	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	7.900000	0.002257	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	4.400000	0.001257	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	3.800000	0.001086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	2.700000	0.000771	PASS

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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	10.300000	0.002943	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.900000	0.000829	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.100000	0.001457	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	6.500000	0.001857	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	3.400000	0.000971	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	2.300000	0.000657	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	5.800000	0.001657	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	6.300000	0.001800	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	6.400000	0.001829	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	3.600000	0.001029	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	3.800000	0.001086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	7.600000	0.002171	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	13.700000	0.003914	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	9.500000	0.002714	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	10.700000	0.003057	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	4.500000	0.001286	PASS
N78-3450-3	30	100	CP-QPSK	M	Outer_F	NV	40	5.50000	0.0015	PAS

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550					ull			0	71	S
N78-3450-3 550	30	100	CP-QPSK	M	Outer_F ull	NV	50	5.300000	0.001514	PASS

---End of Attachment---

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