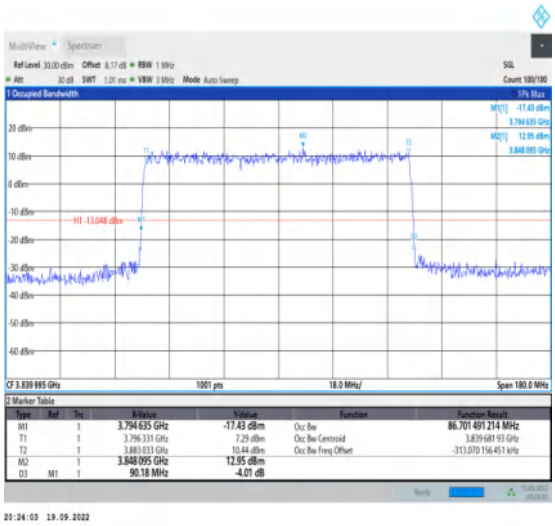

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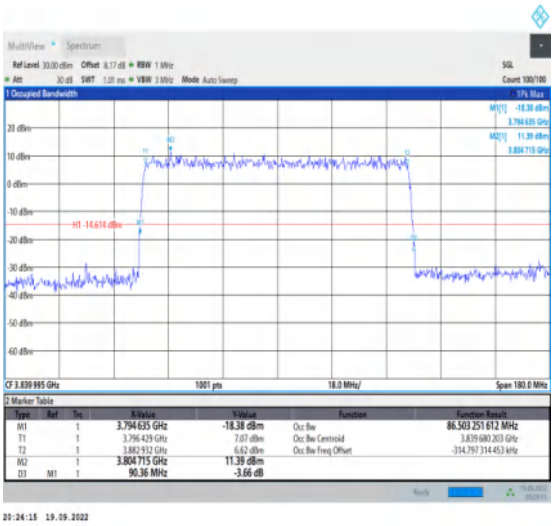

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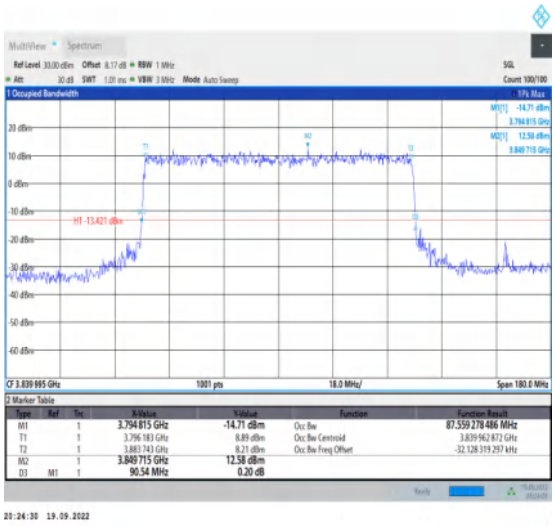

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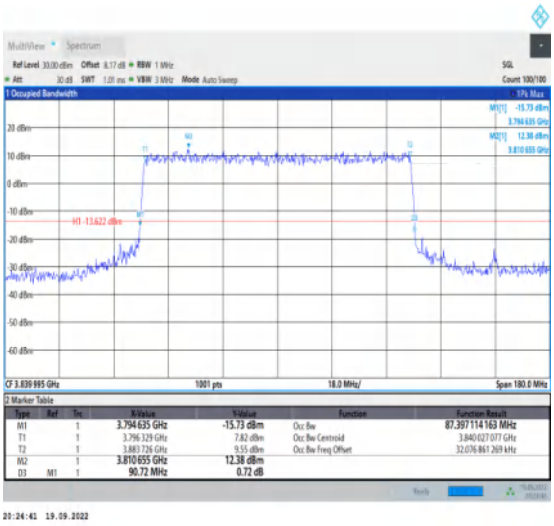

1-N77-3700-3980--30-90-M-7-CP-16QAM-Outer_Full-245@0-Ant1-87.397-90.720-≤90-PASS

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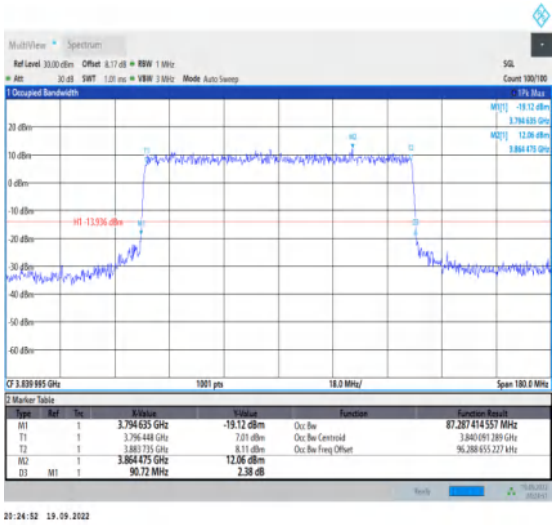

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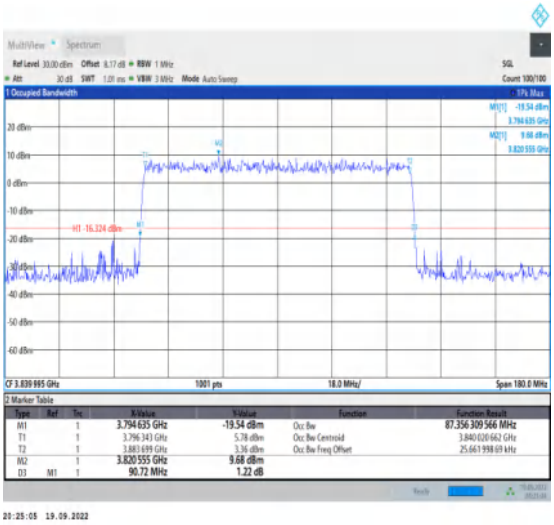

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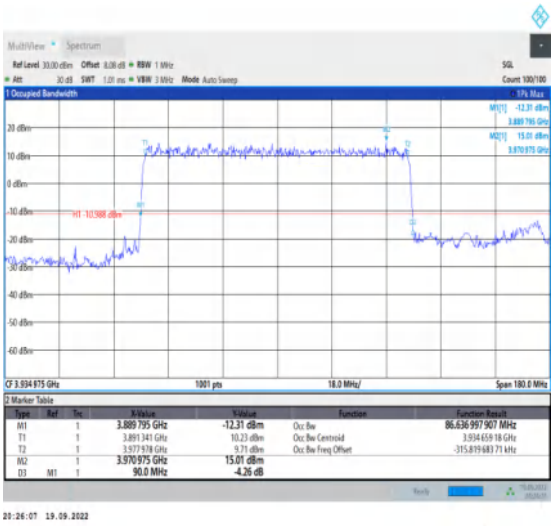

1-N77-3700-3980--30-90-H-2-DFT-PI2BPSK-Outer_Full-243@0-Ant1-86.637-90.000-≤90-PASS

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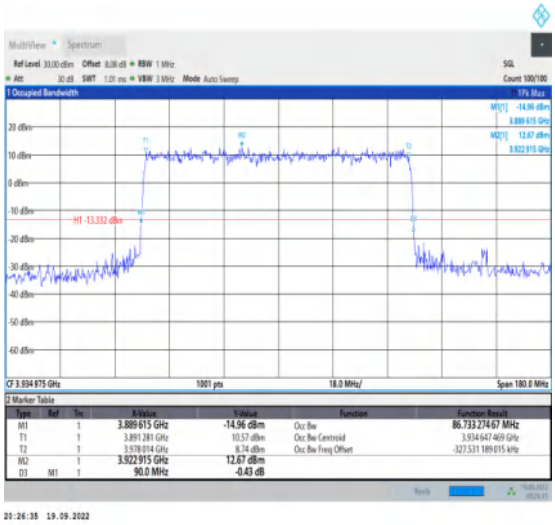

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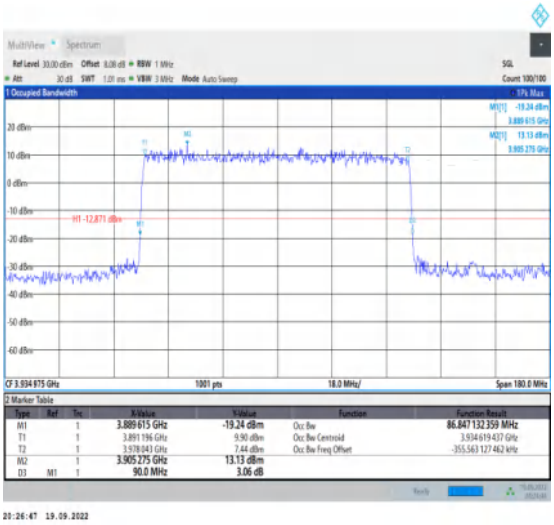

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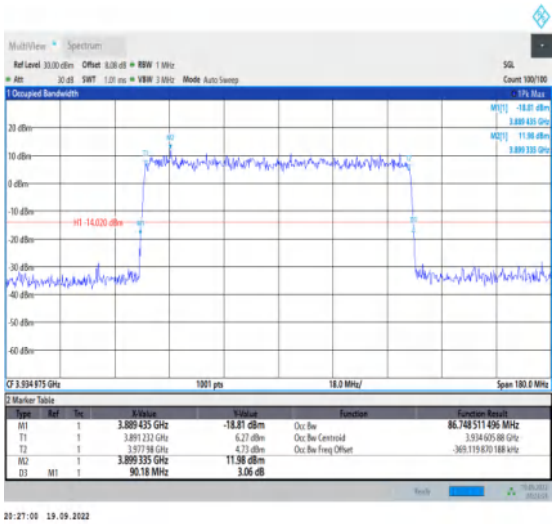

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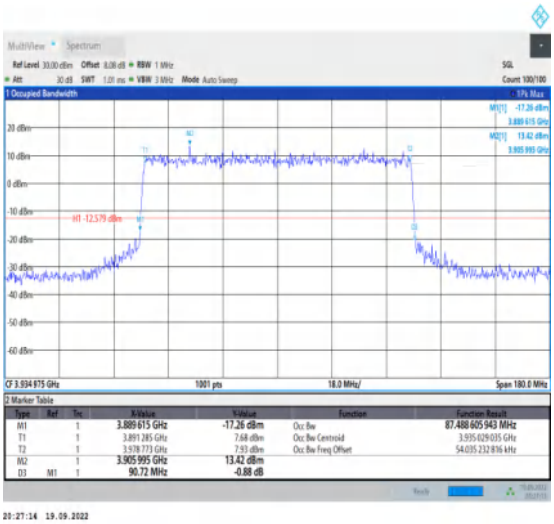

1-N77-3700-3980--30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-87.489-90.720-≤90-PASS

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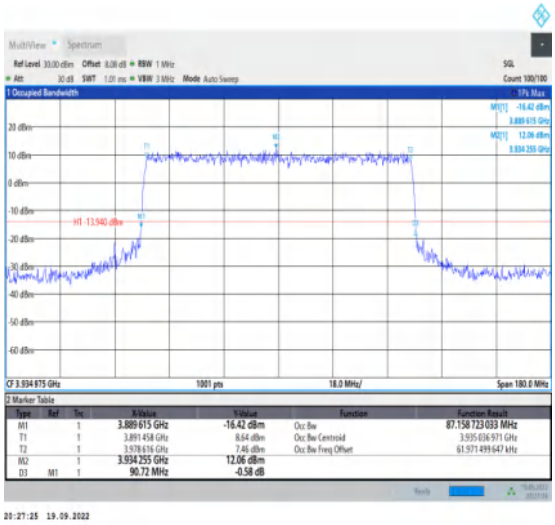

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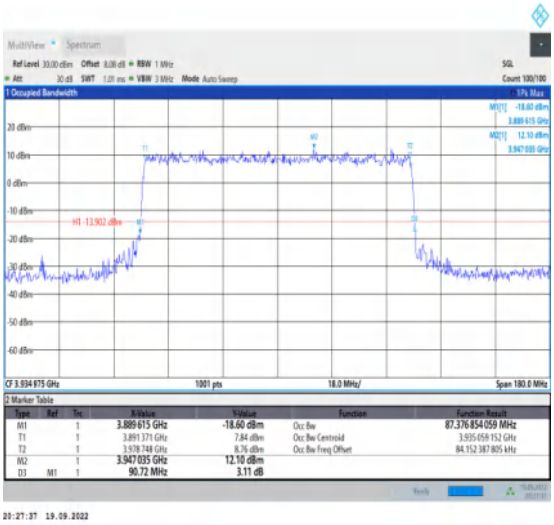

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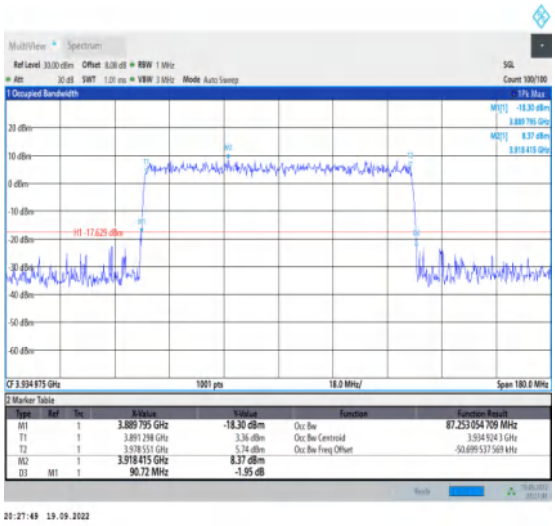

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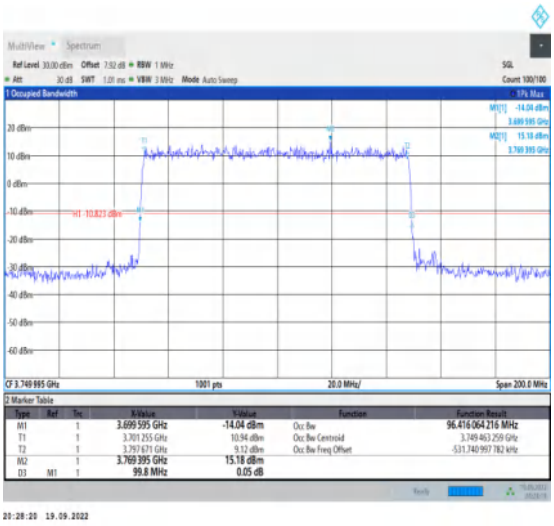

1-N77-3700-3980--30-100-L-1-DFT-QPSK-Outer_Full-270@0-Ant1-96.416-99.800-≤100-PASS

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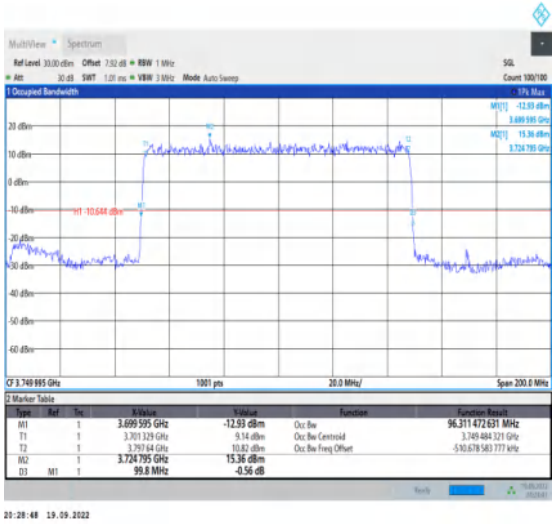

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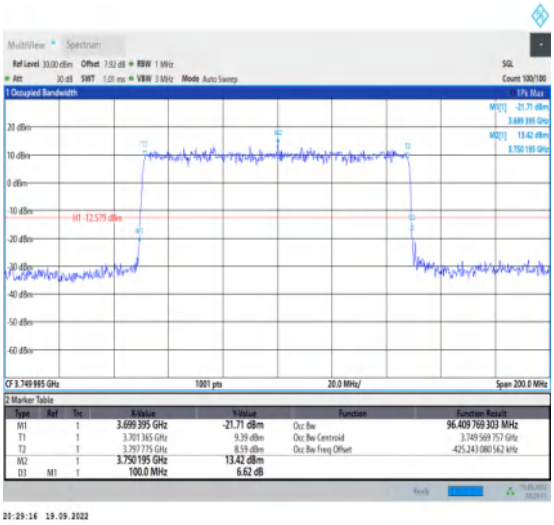

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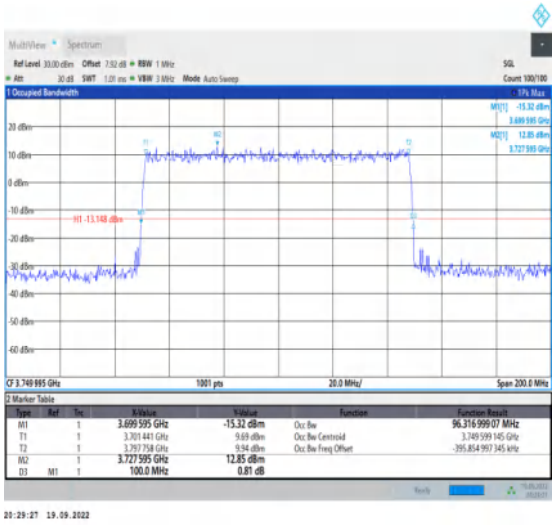

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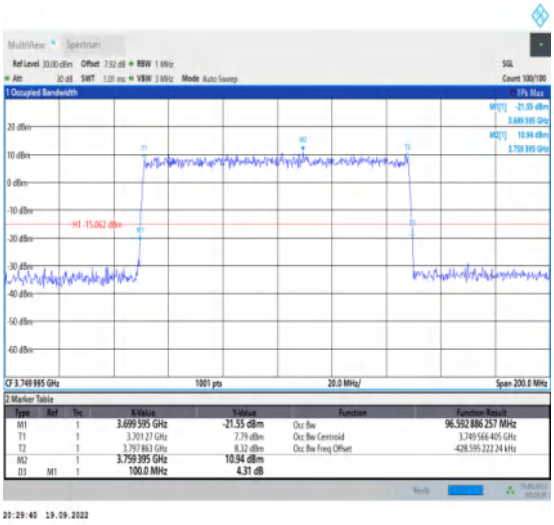

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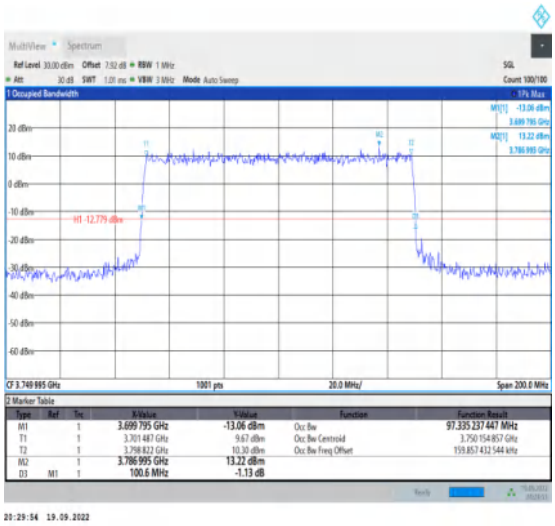

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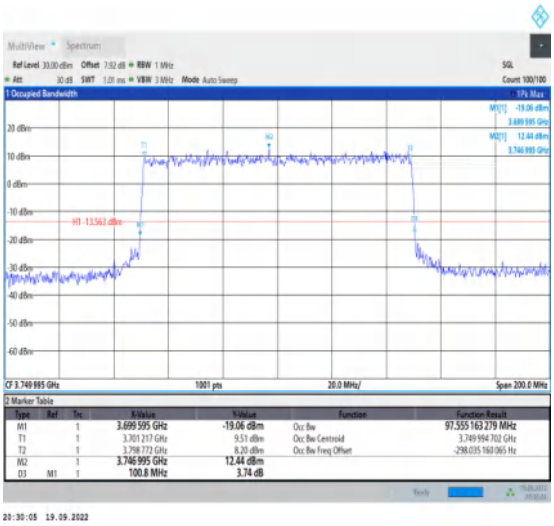

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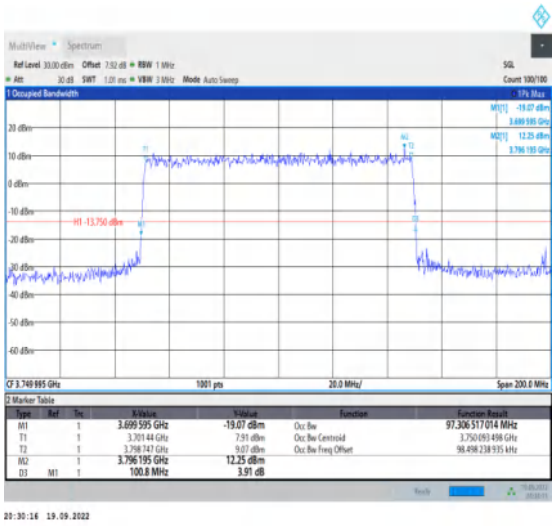

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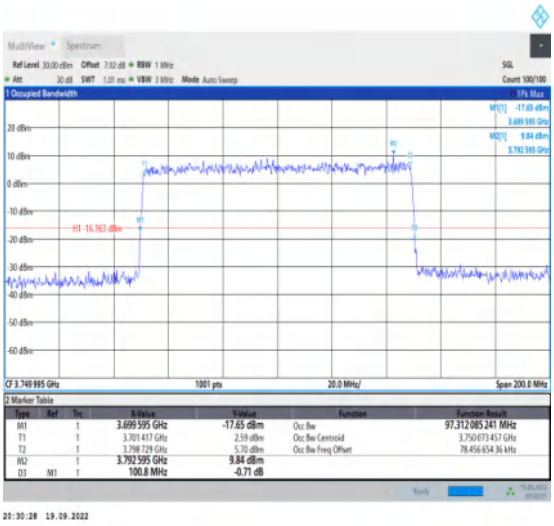

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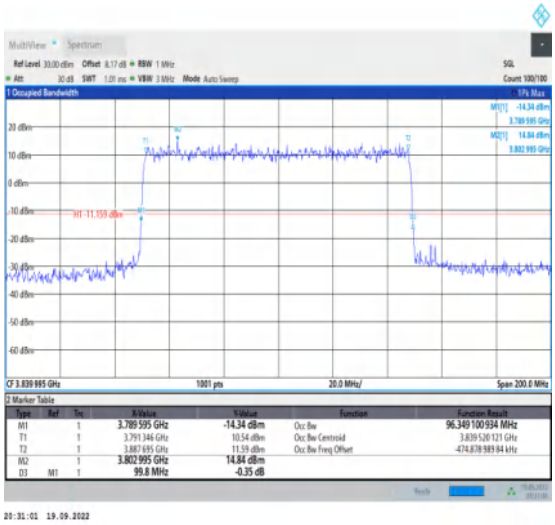

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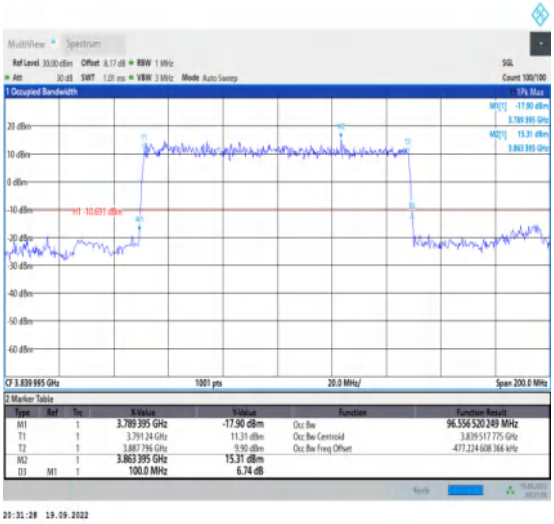

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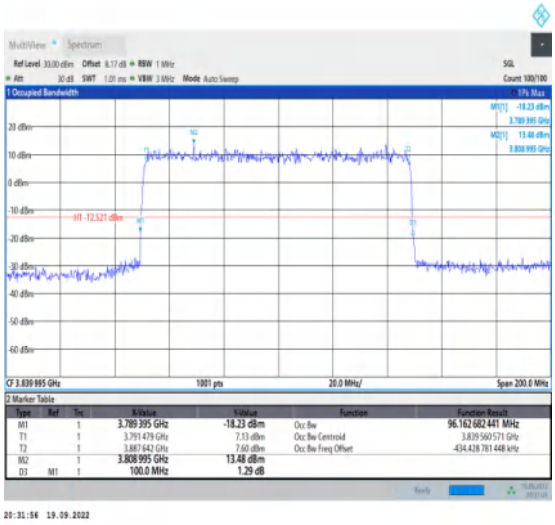

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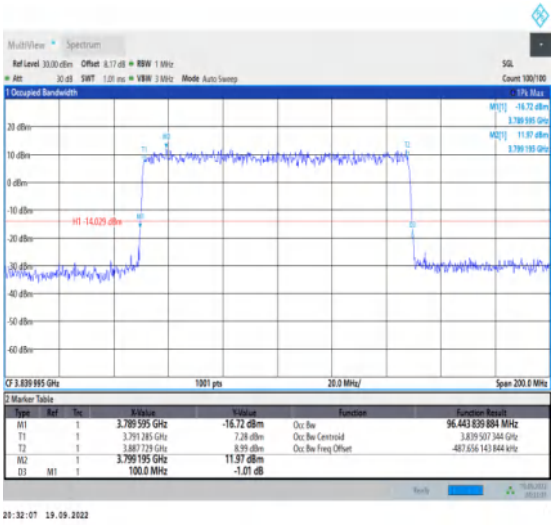

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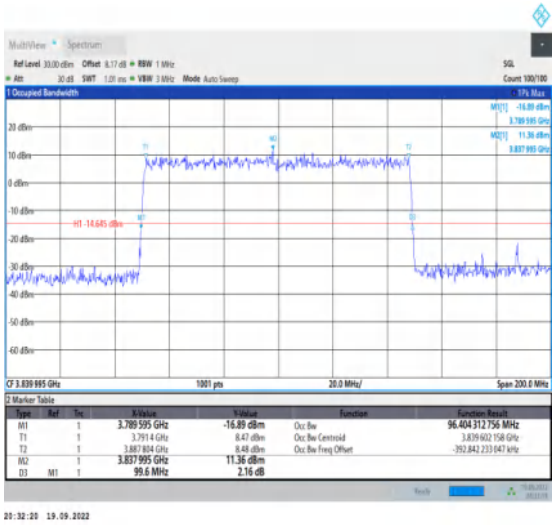

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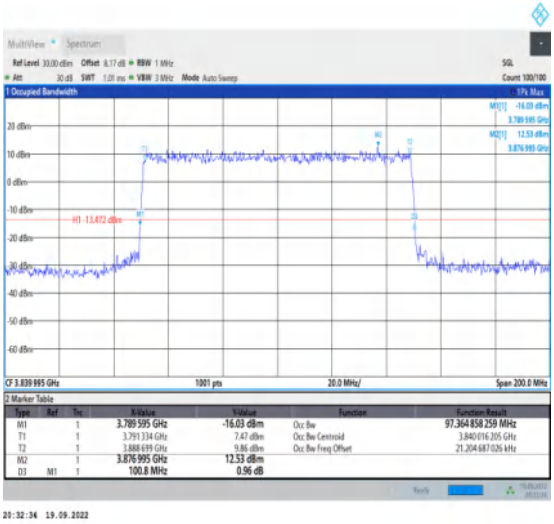

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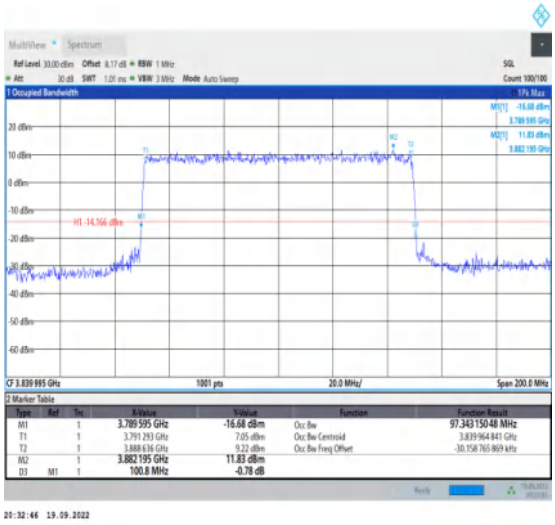

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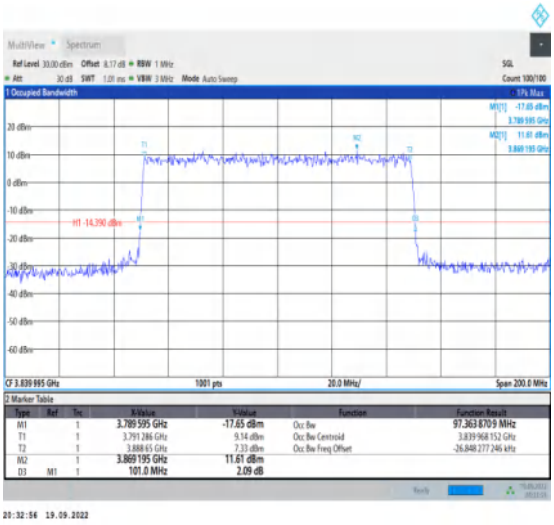

1-N77-3700-3980--30-100-M-8-CP-64QAM-Outer_Full-273@0-Ant1-97.364-101.000-≤100-PASS

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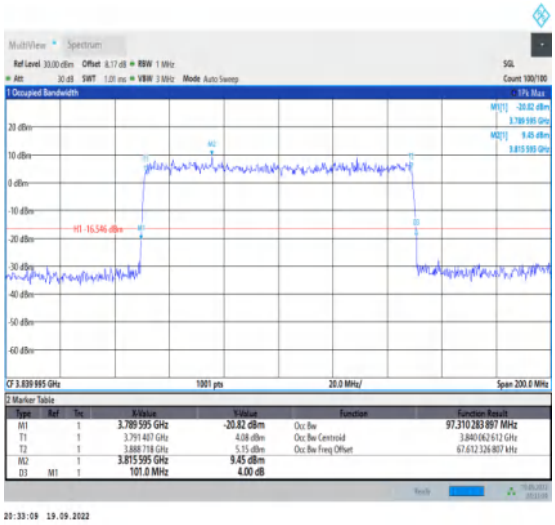

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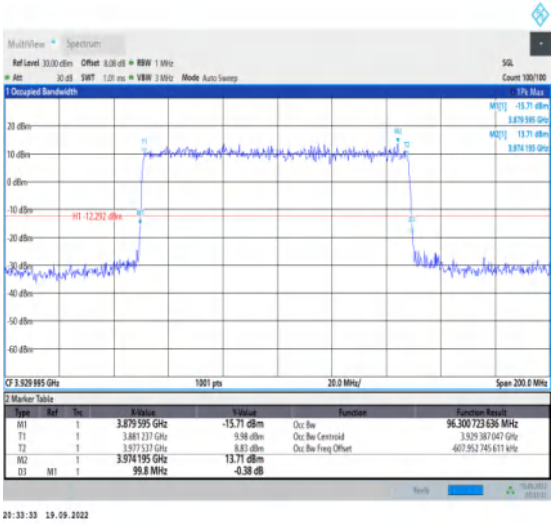

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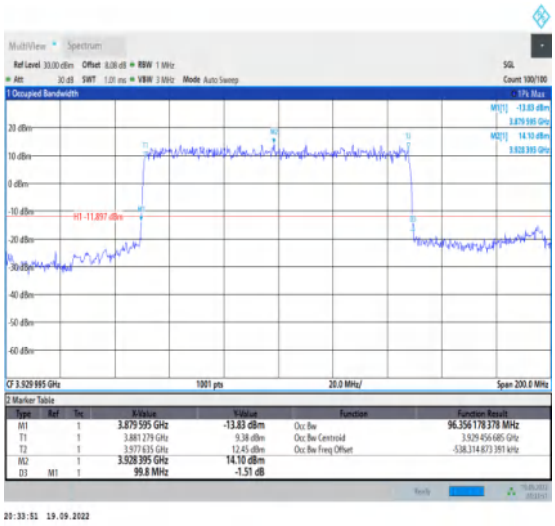

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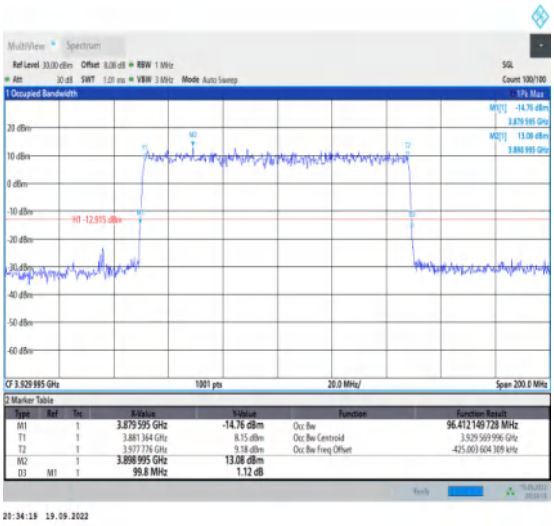

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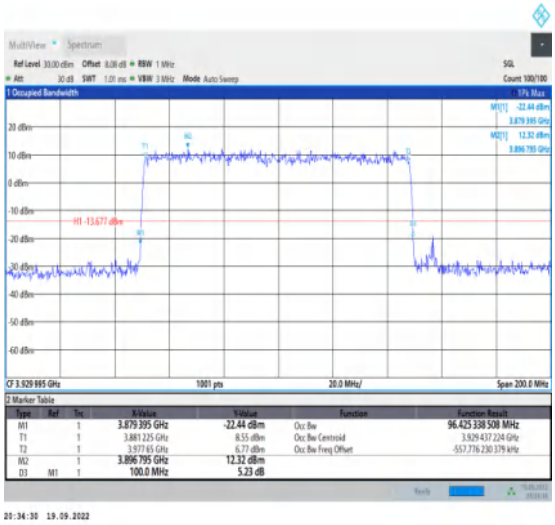

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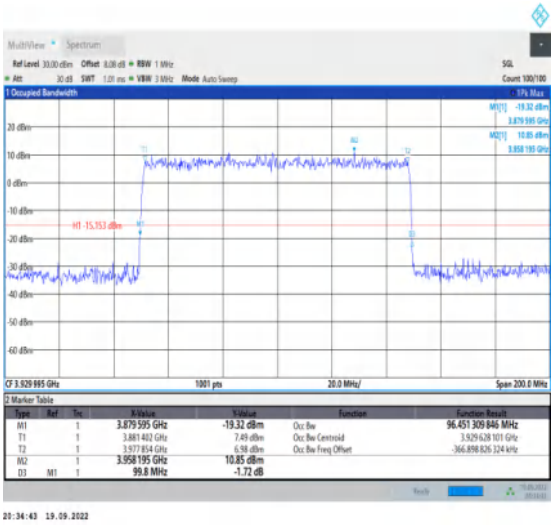

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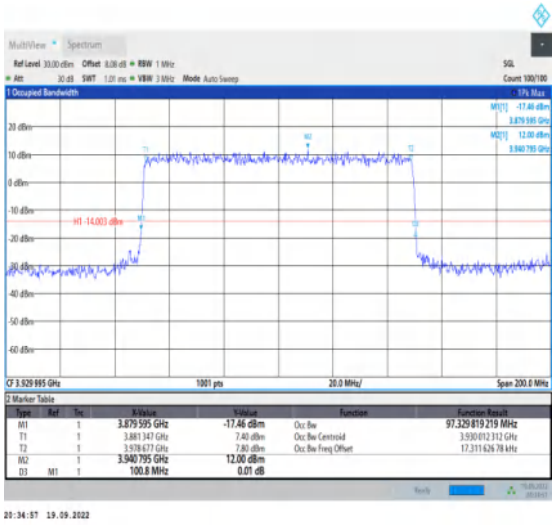

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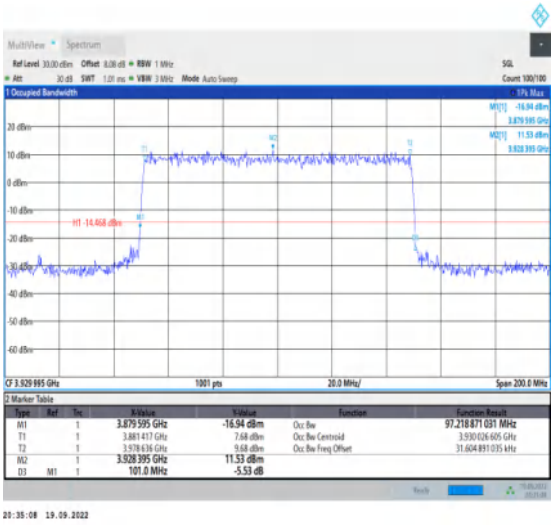

1-N77-3700-3980--30-100-H-7-CP-16QAM-Outer_Full-273@0-Ant1-97.219-101.000-≤100-PASS

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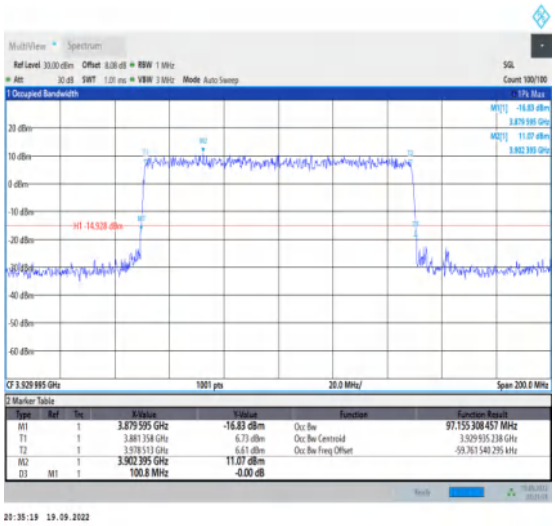	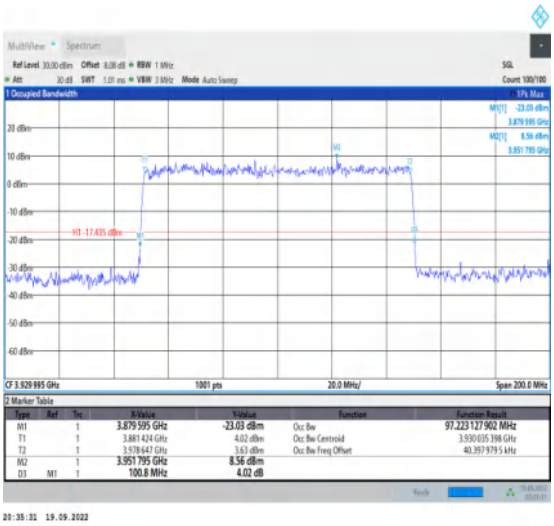
1-N77-3700-3980--30-100-H-8-CP-64QAM-Outer_Full-273@0-Ant1-97.155-100.800-≤100-PASS	1-N77-3700-3980--30-100-H-9-CP-256QAM-Outer_Full-273@0-Ant1-97.223-100.800-≤100-PASS

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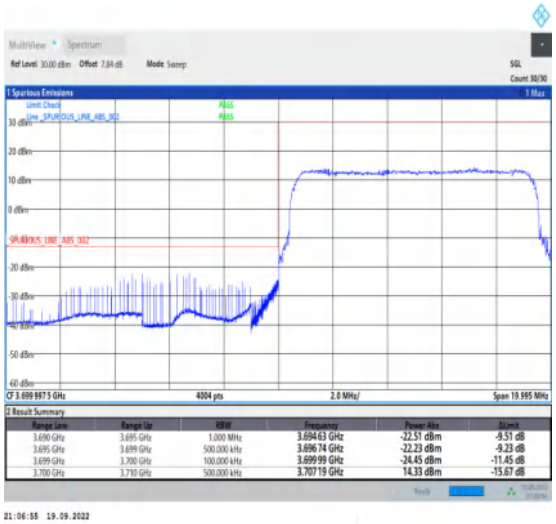
Band Edge for SA

Test Graphs

1-N77-3700-3980--30-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



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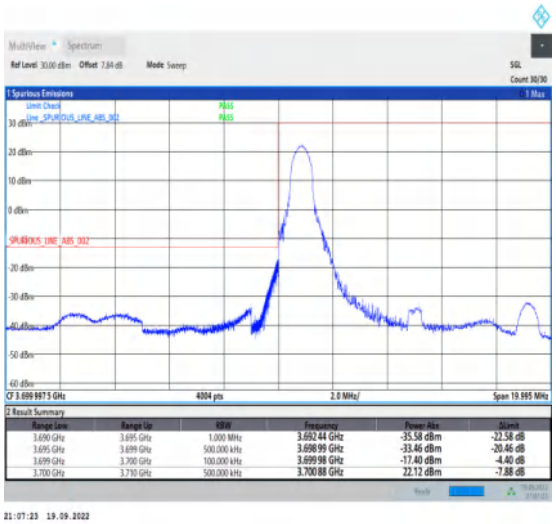

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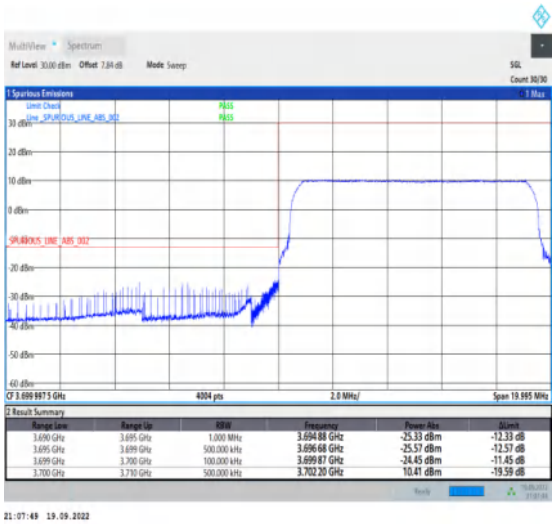

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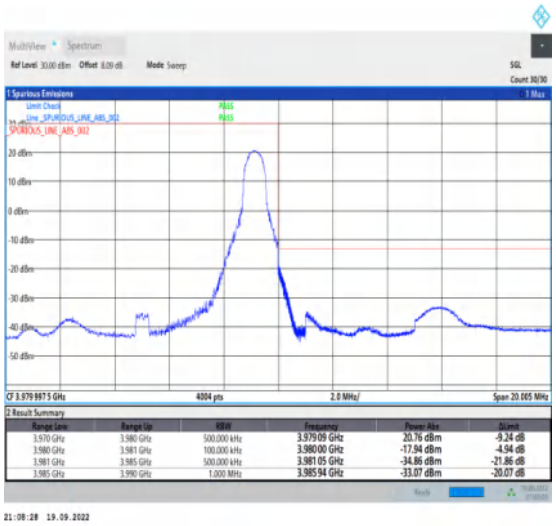

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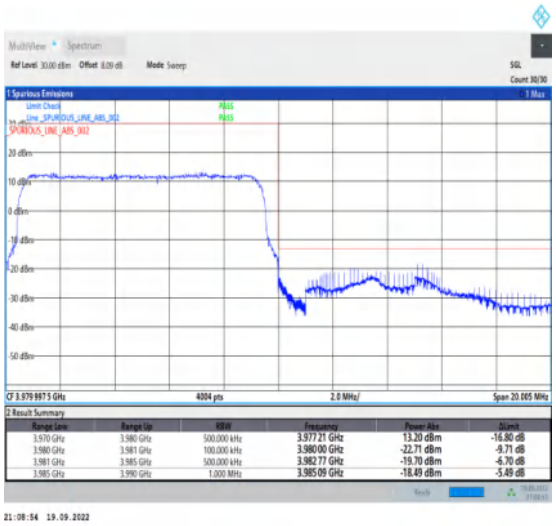

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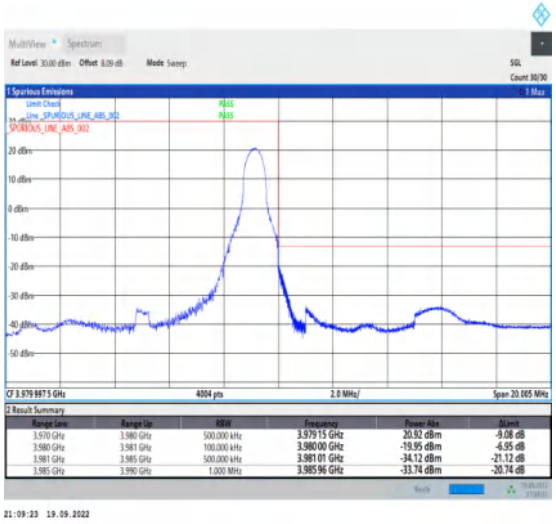

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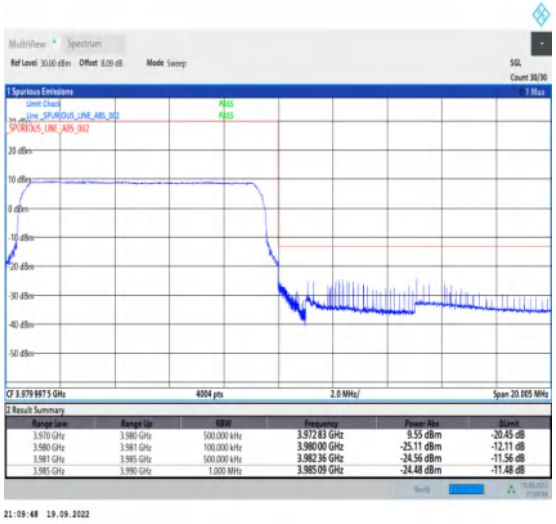

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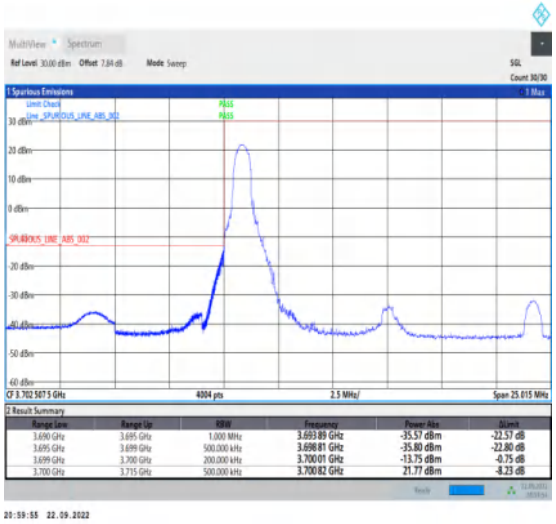

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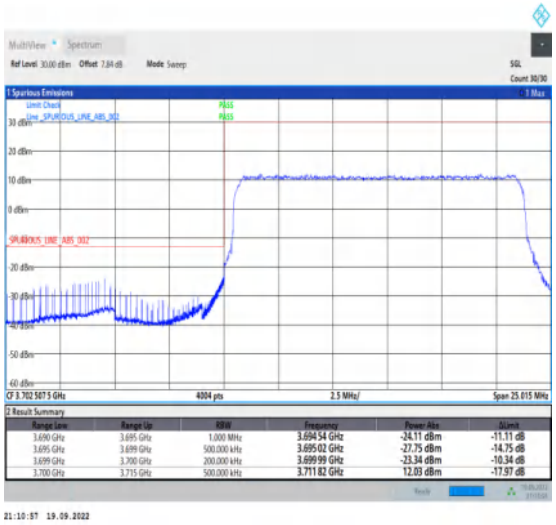

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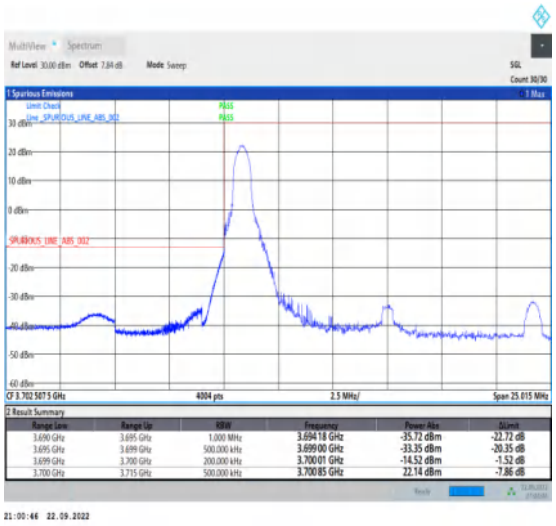

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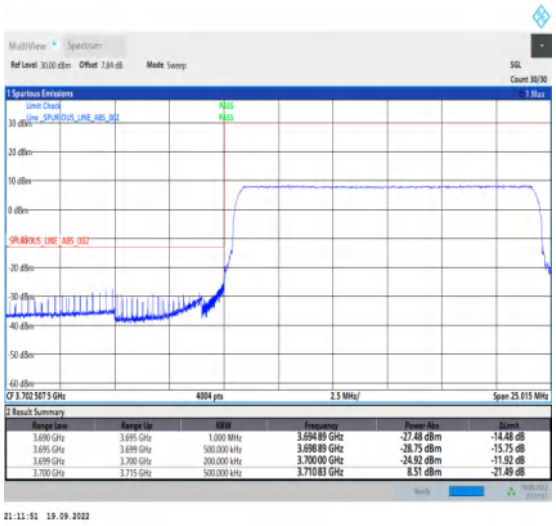

1-N77-3700-3980--30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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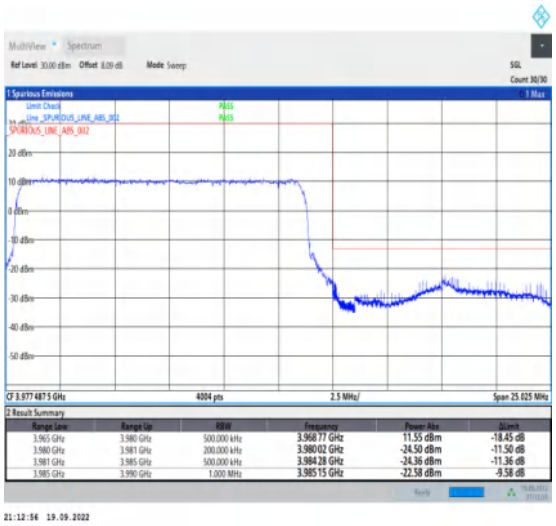
1-N77-3700-3980--30-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph



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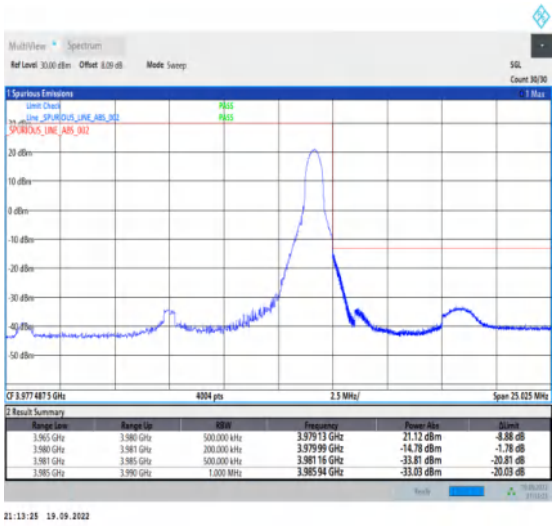

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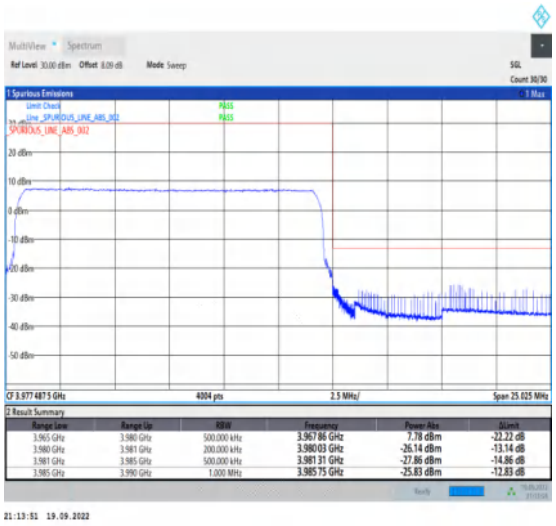

1-N77-3700-3980--30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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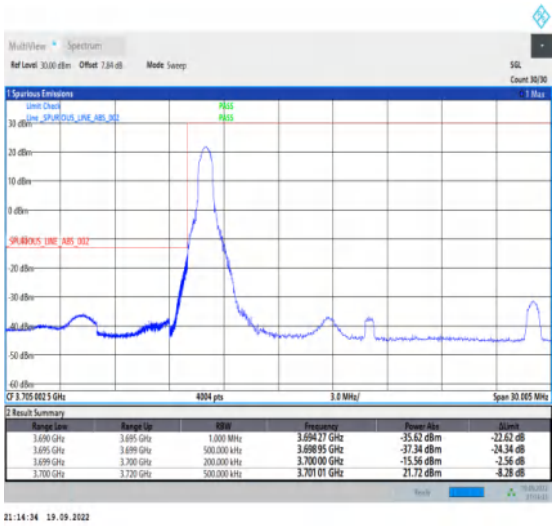

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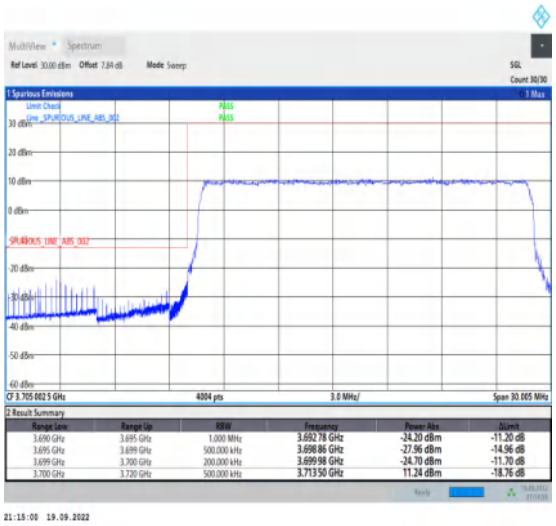

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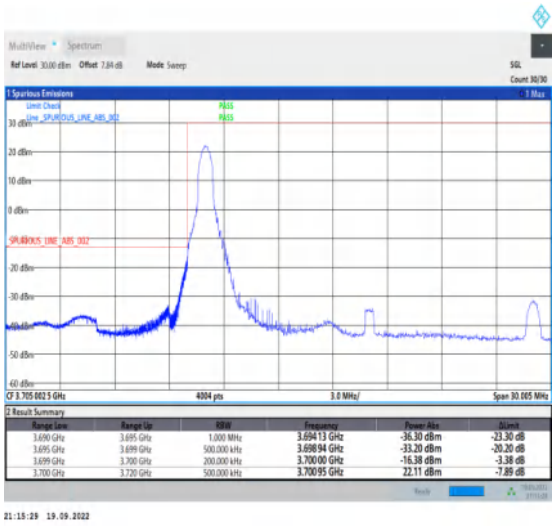

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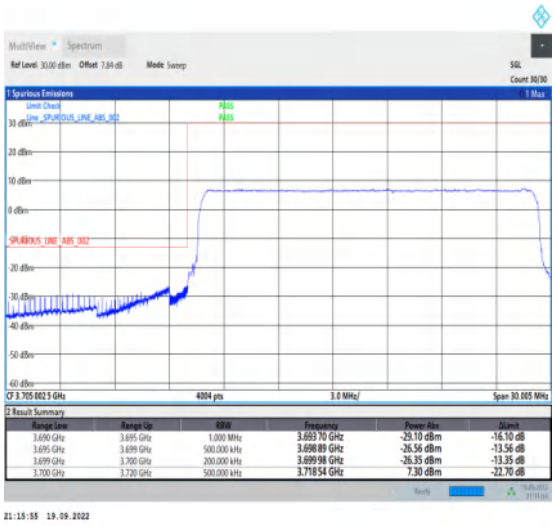

1-N77-3700-3980--30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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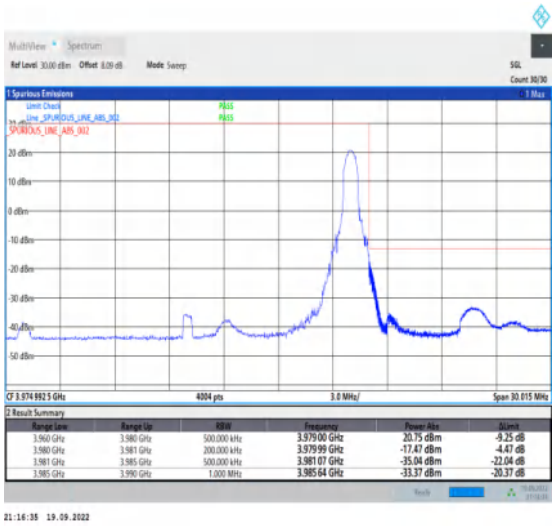

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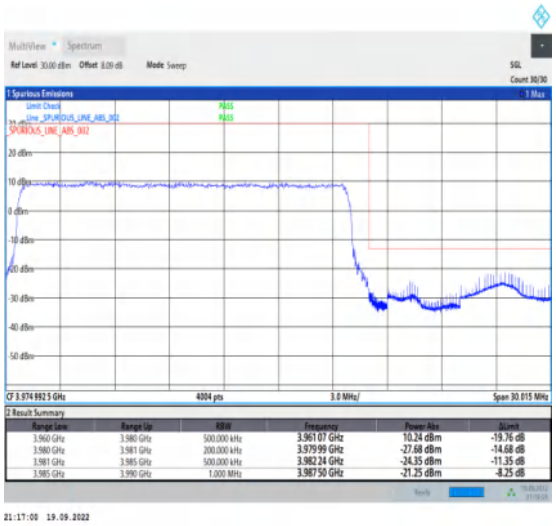

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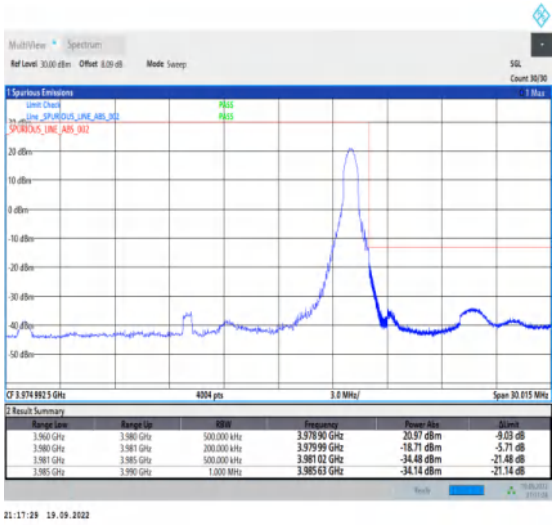

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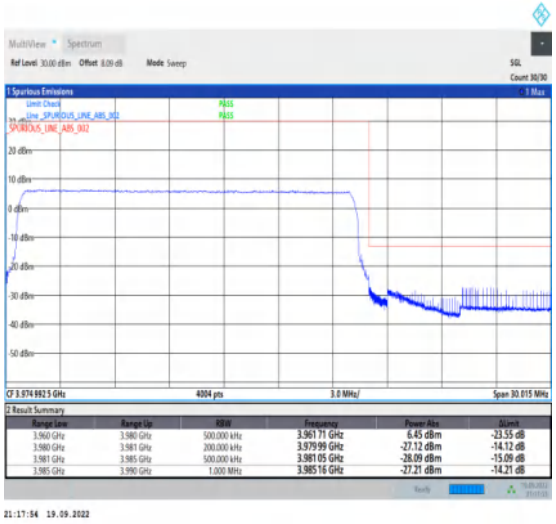

1-N77-3700-3980--30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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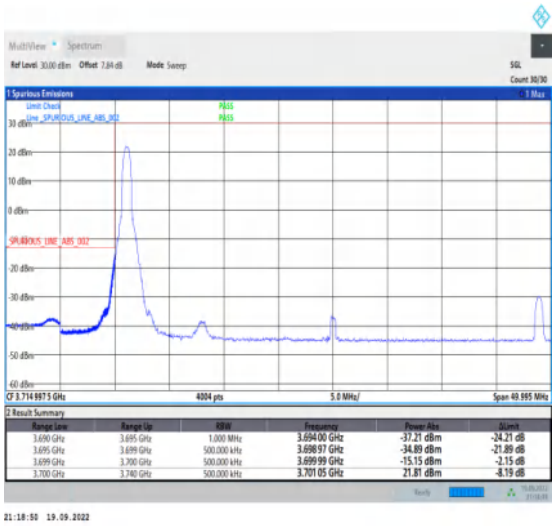

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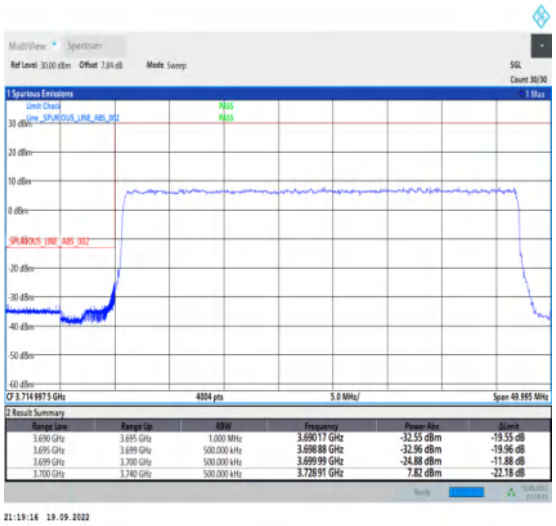

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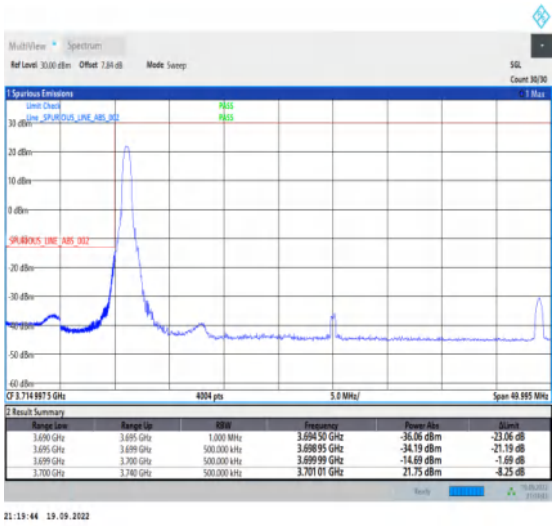

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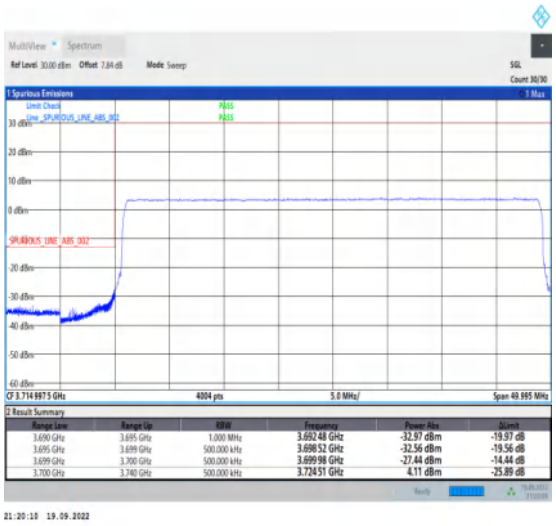

1-N77-3700-3980--30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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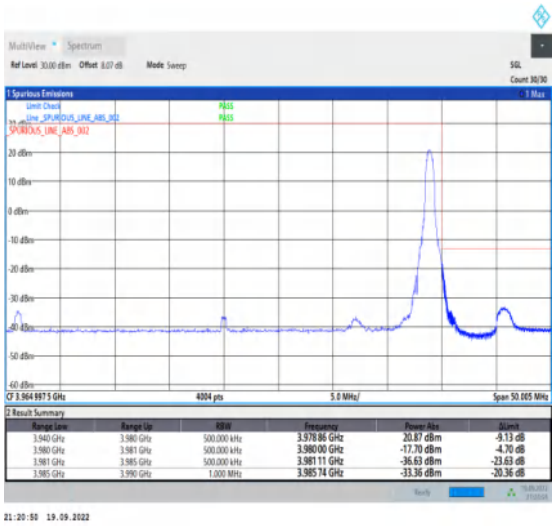

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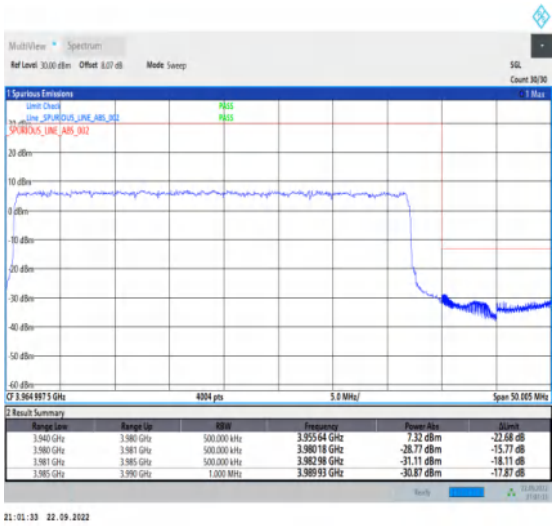

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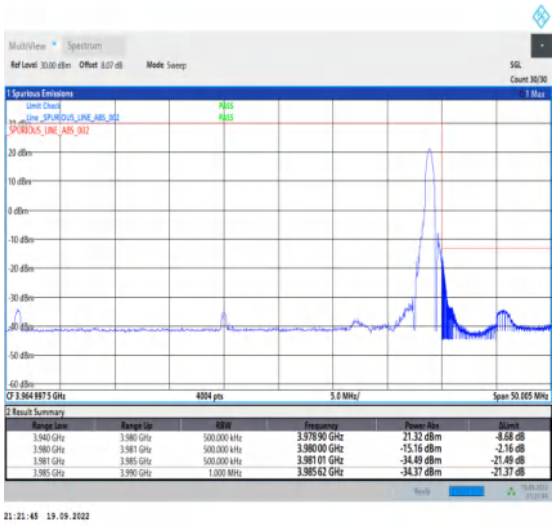

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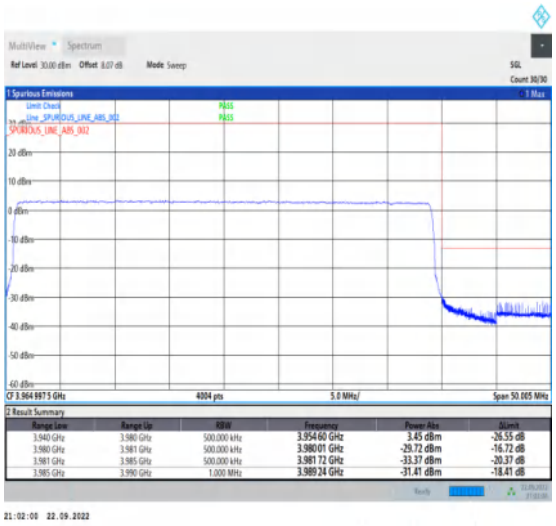

1-N77-3700-3980--30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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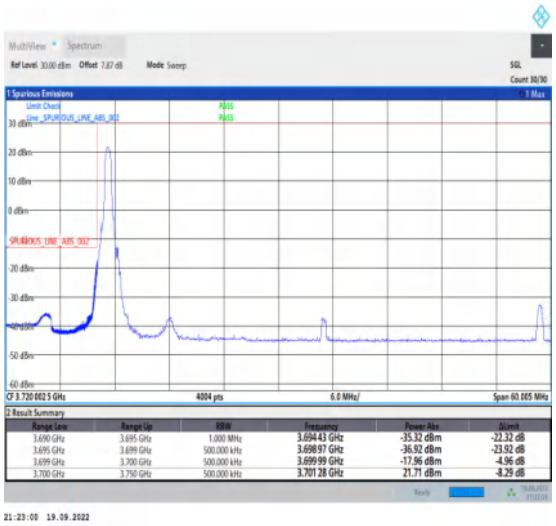

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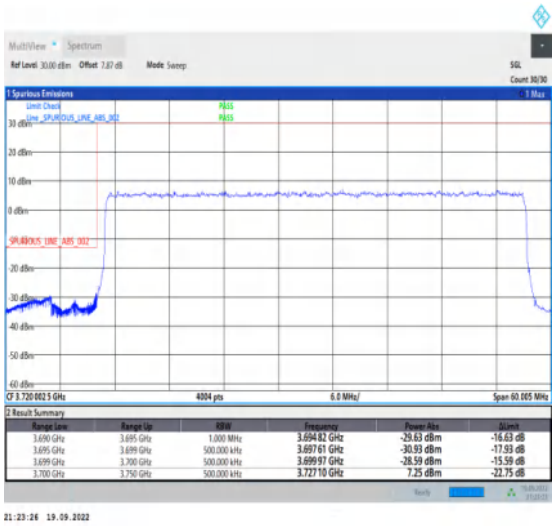

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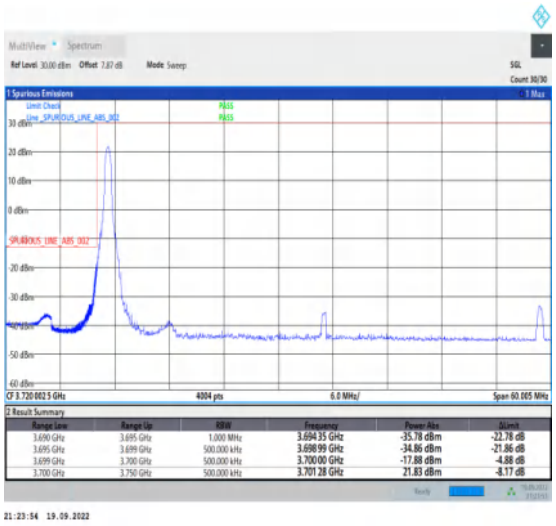

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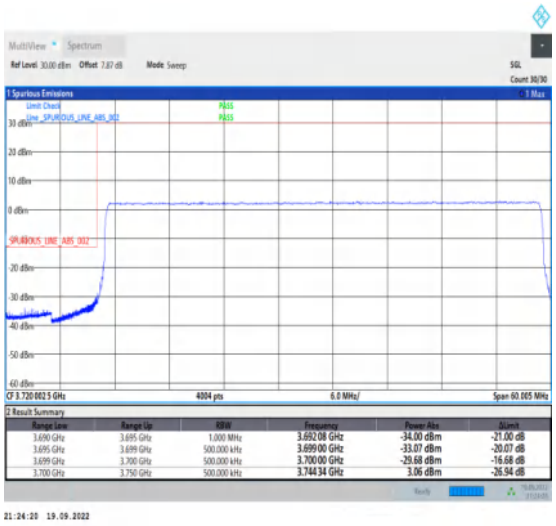

1-N77-3700-3980--30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph

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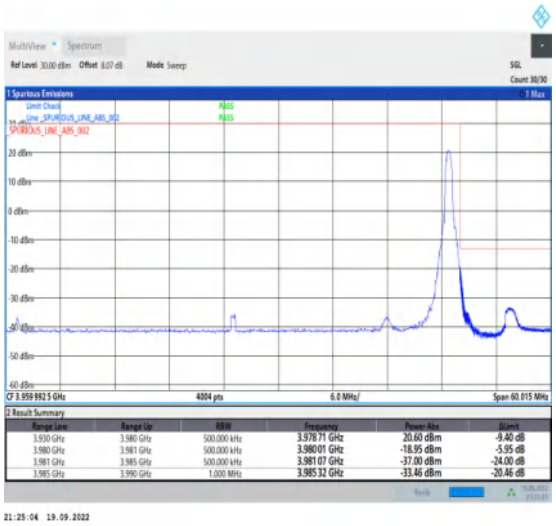

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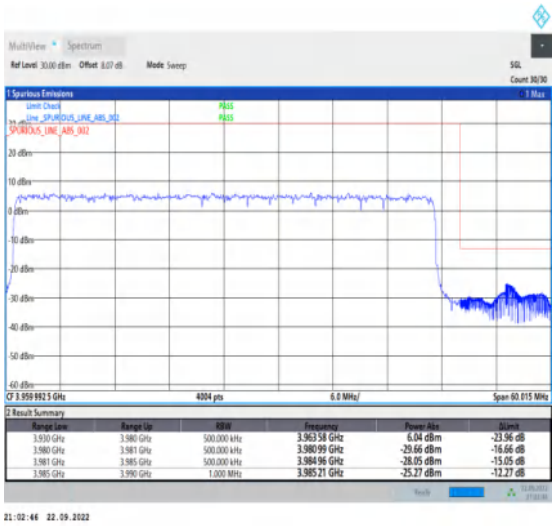

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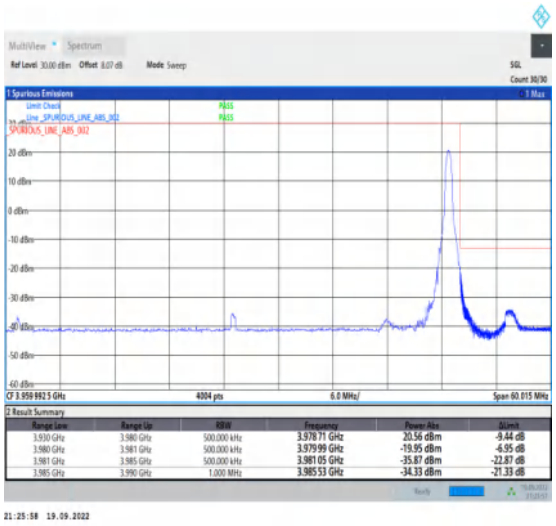

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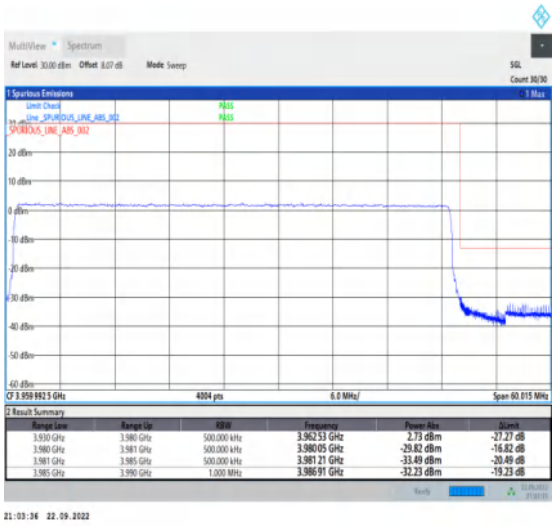

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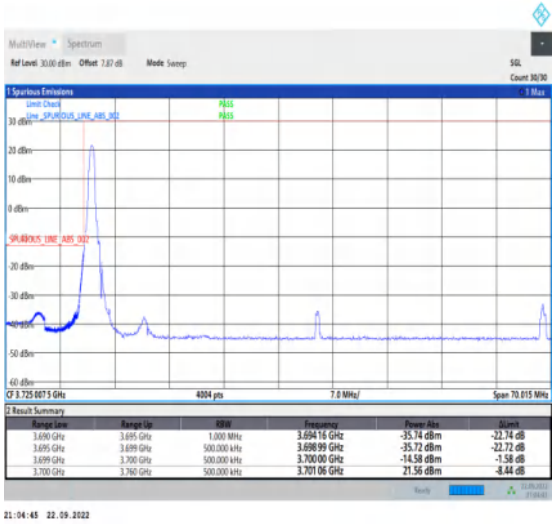

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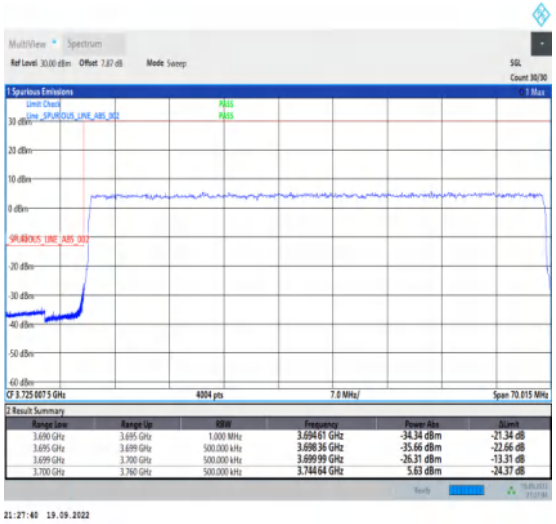

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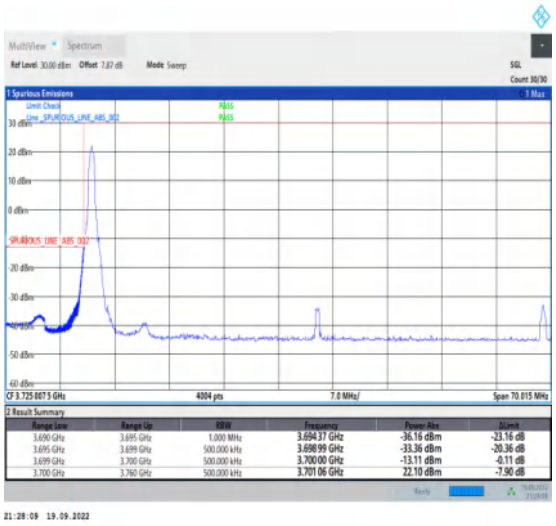

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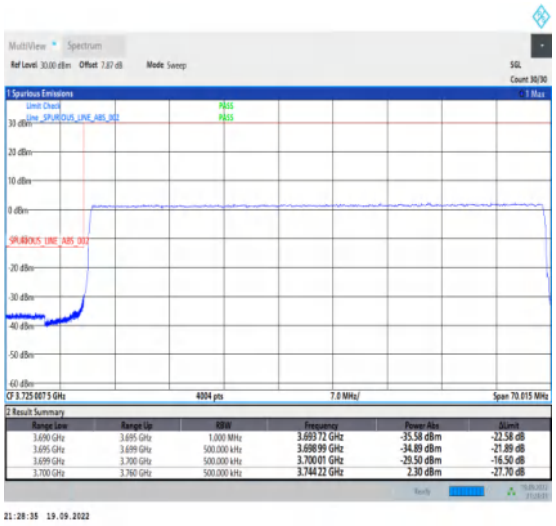

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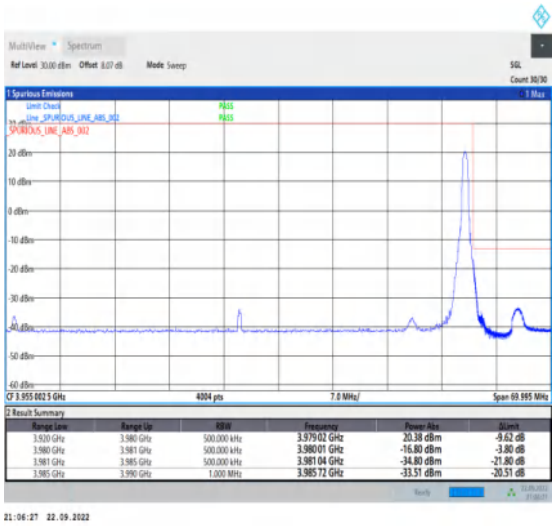

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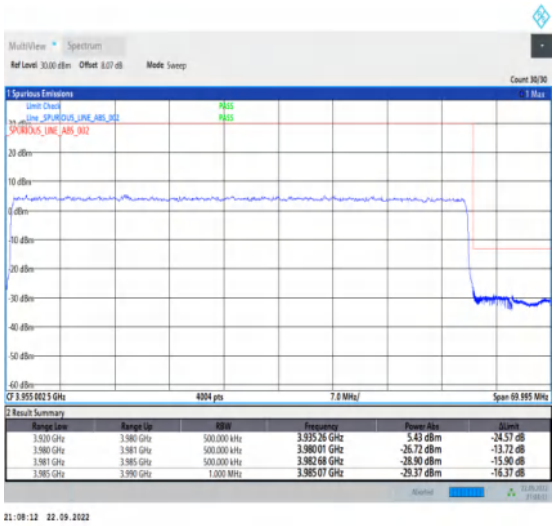

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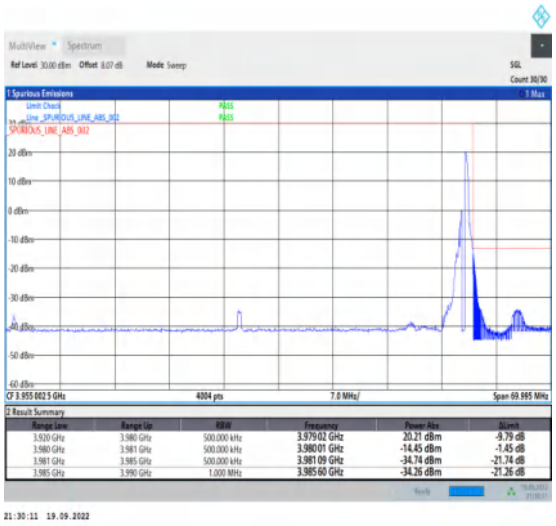

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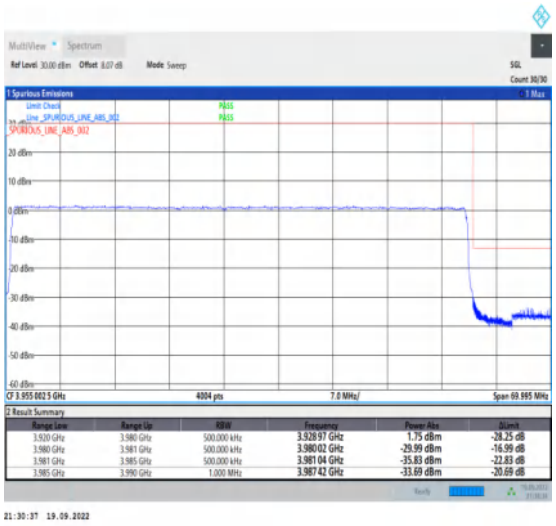

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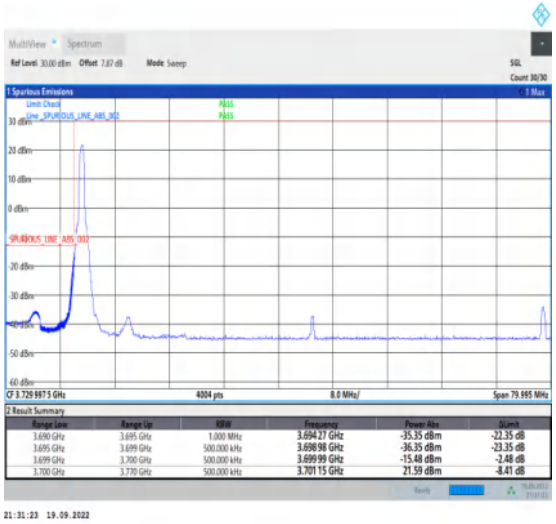

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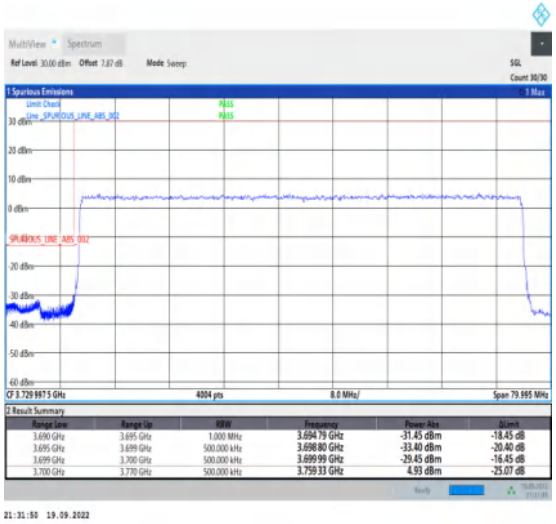

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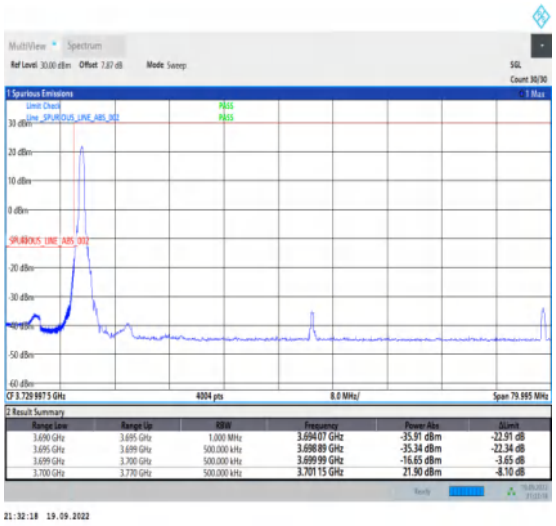

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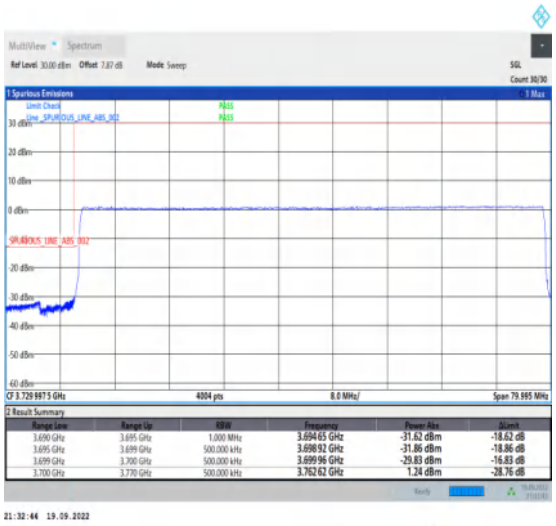

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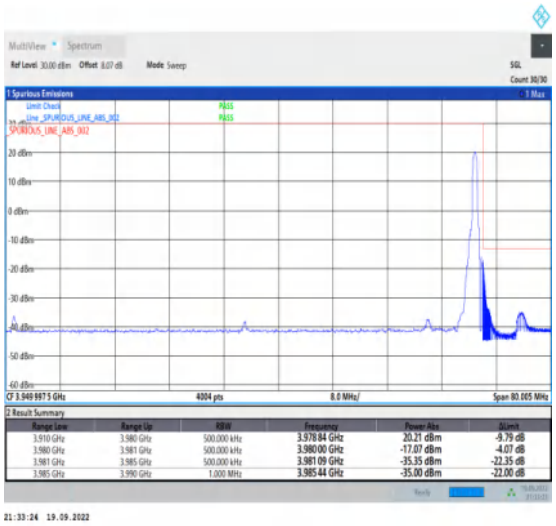

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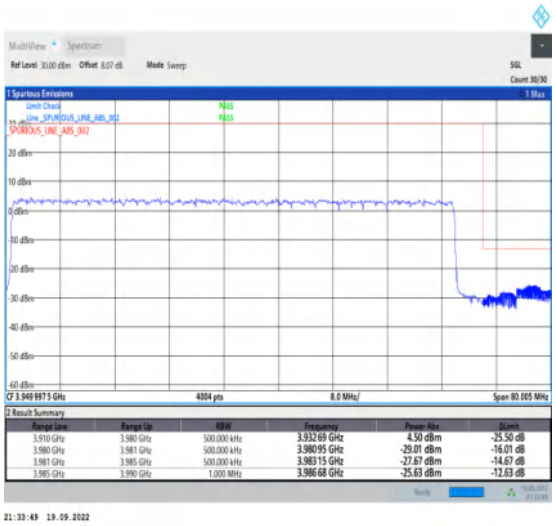

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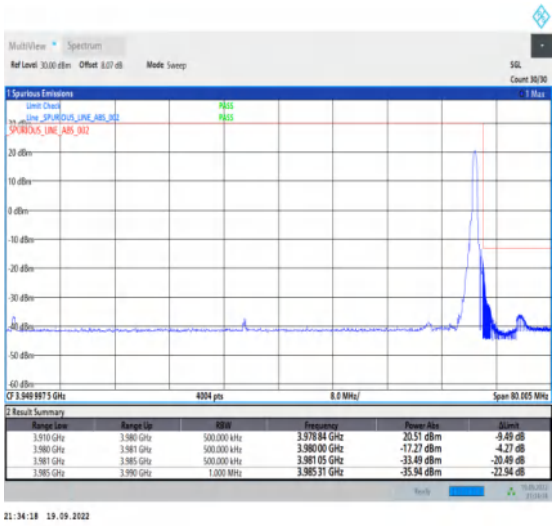

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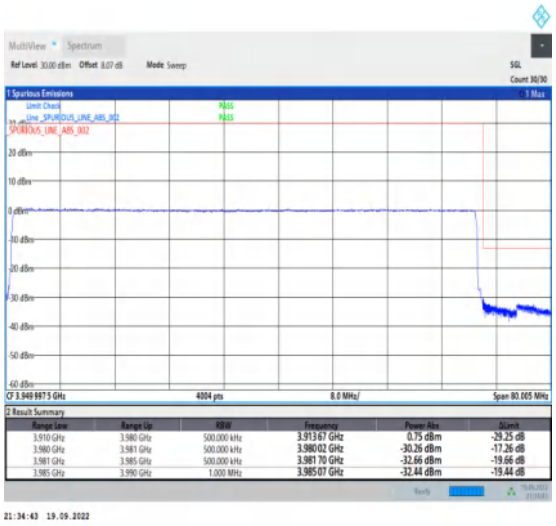

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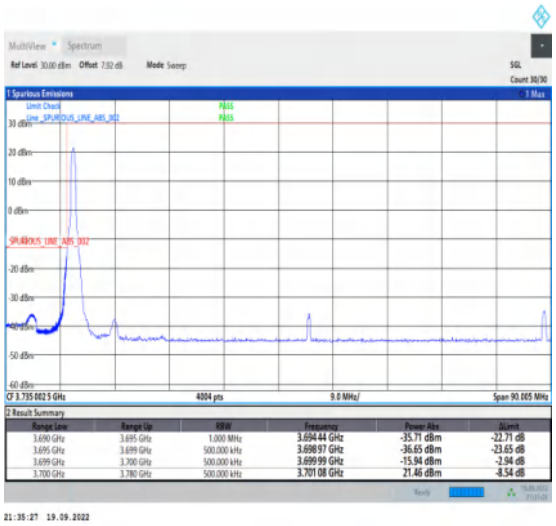

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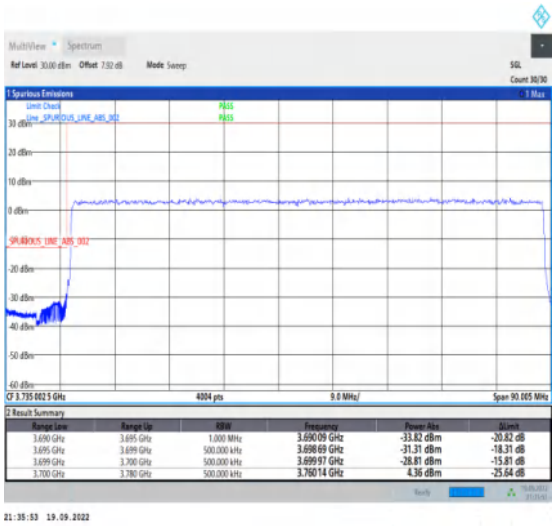

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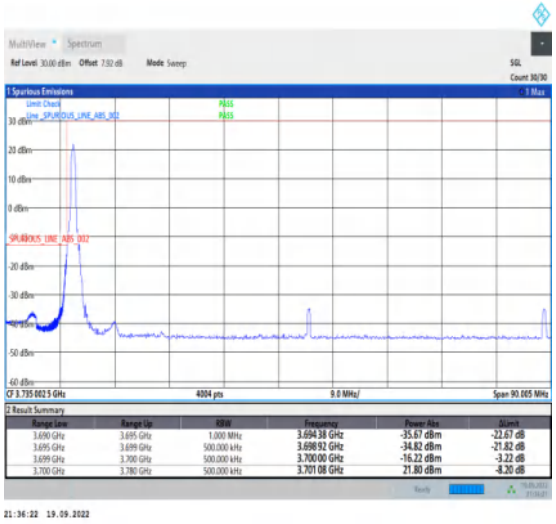

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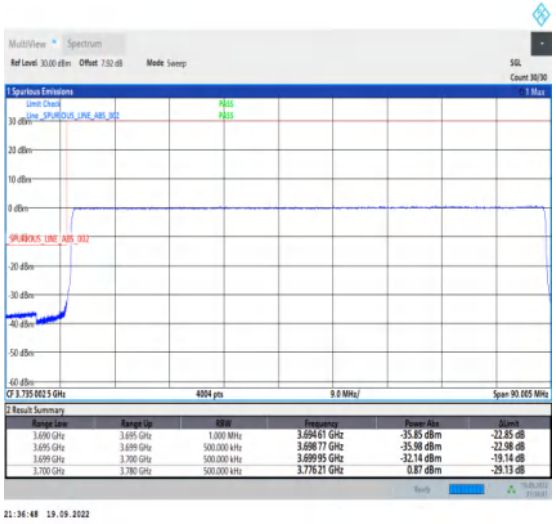

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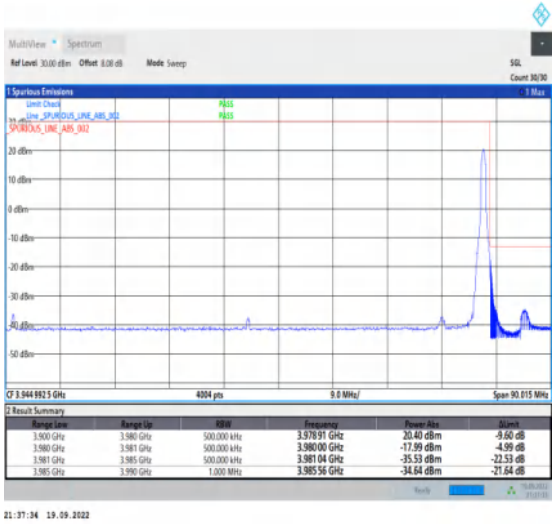

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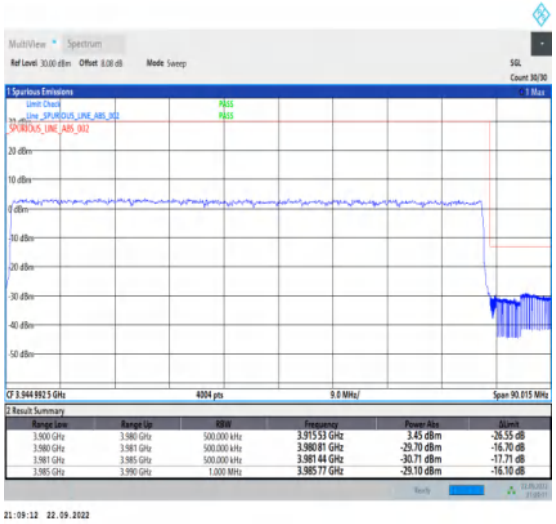

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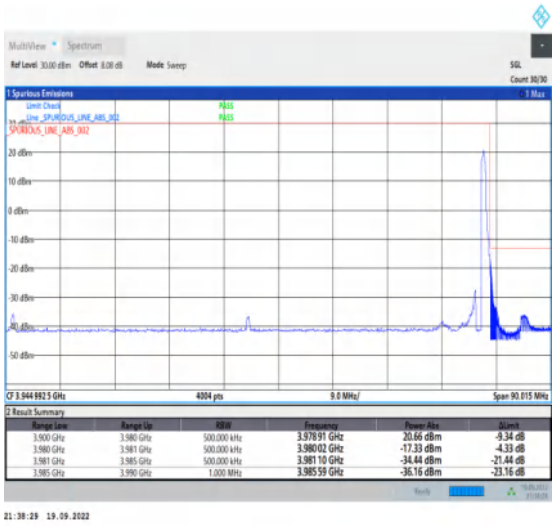

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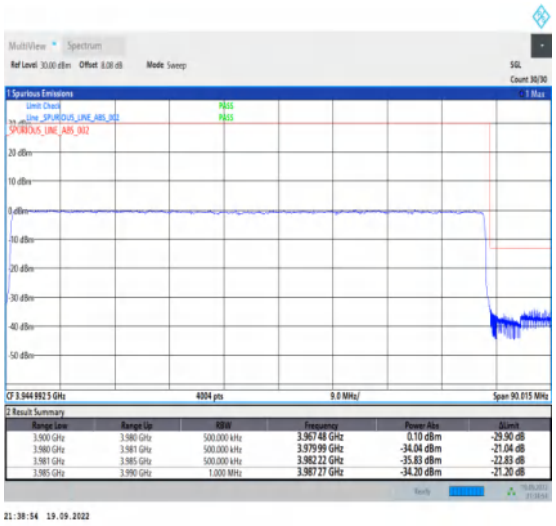

1-N77-3700-3980--30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph

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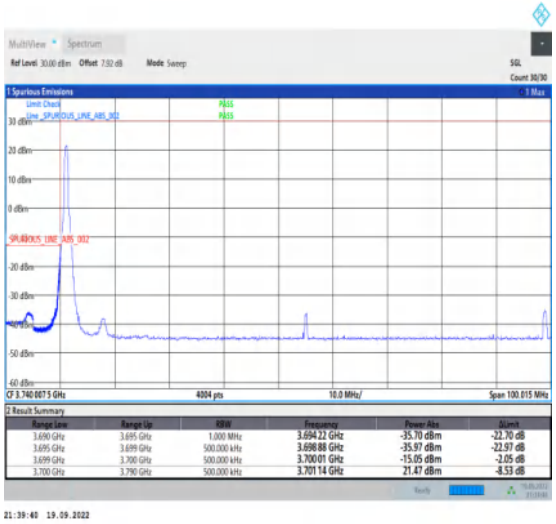

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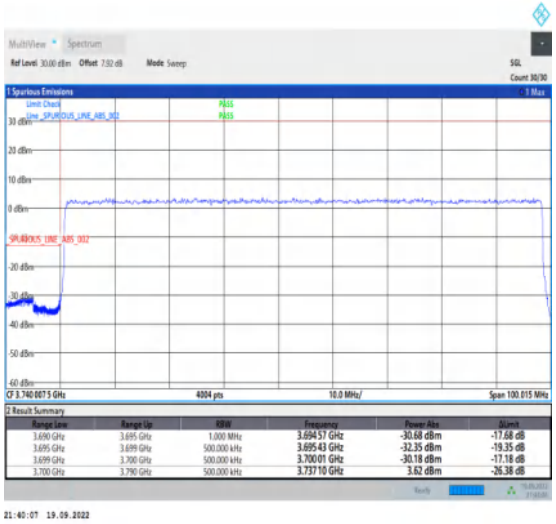

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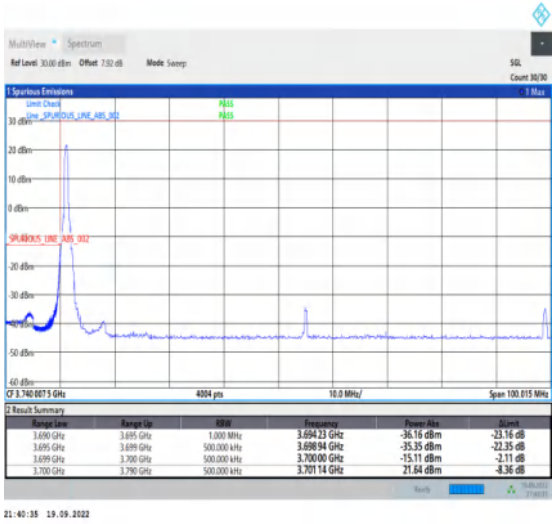

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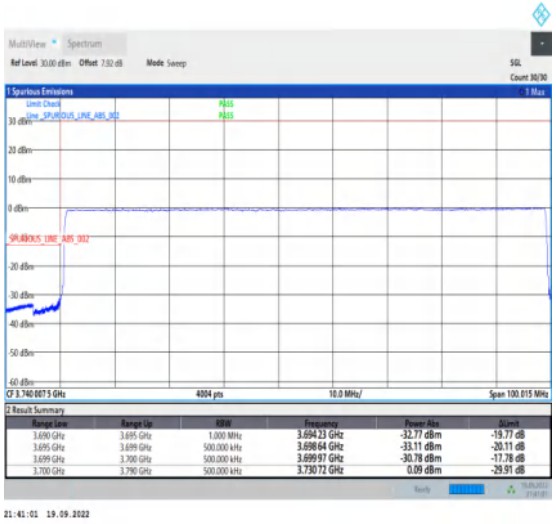

1-N77-3700-3980--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph

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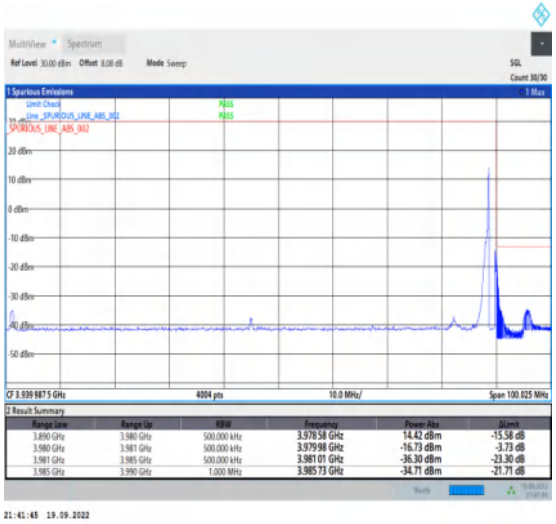

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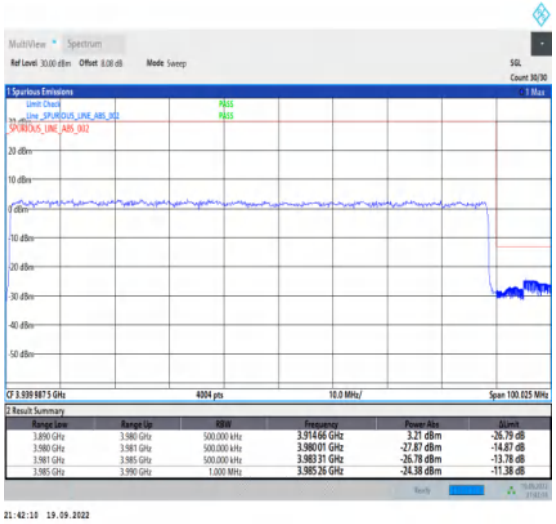

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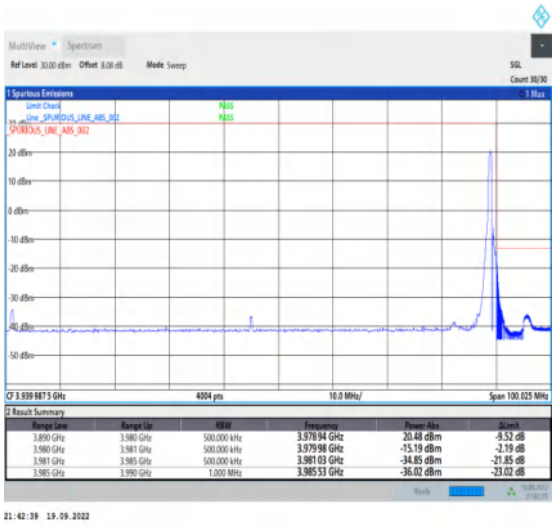

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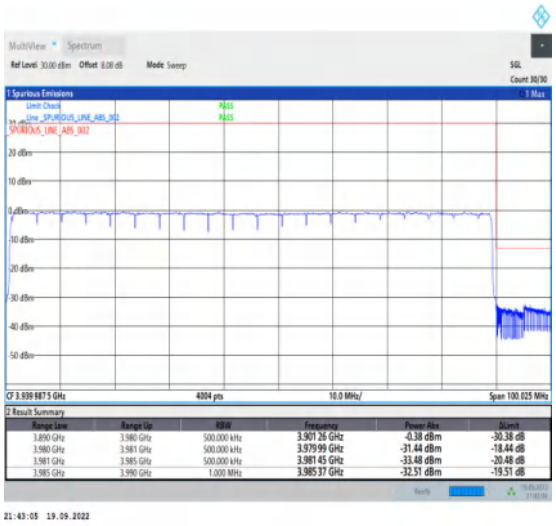

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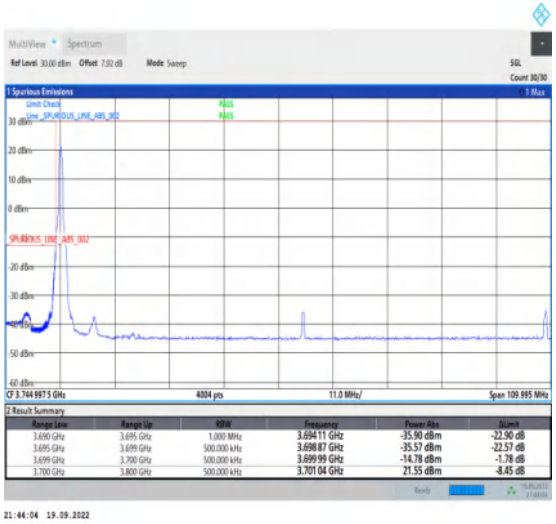

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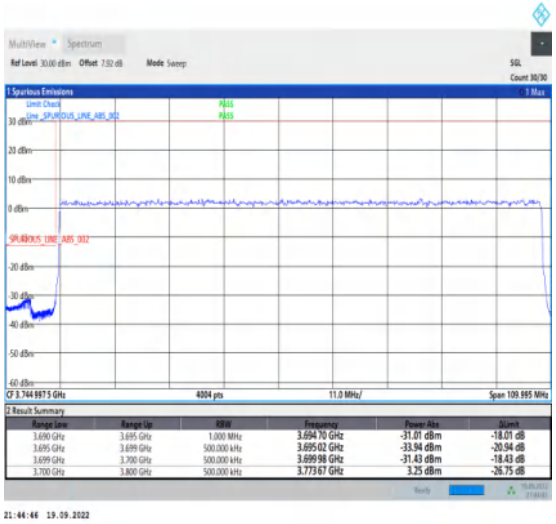

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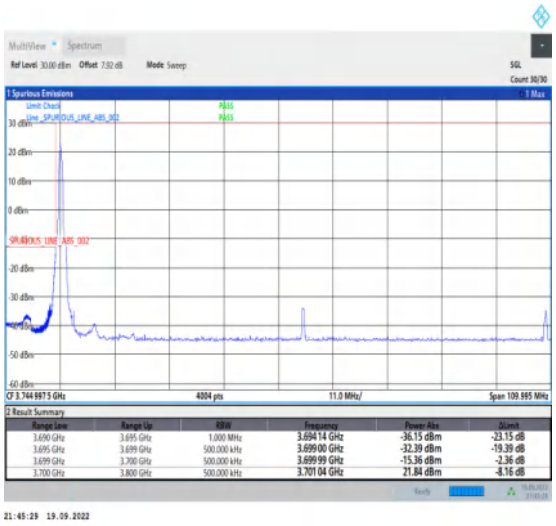

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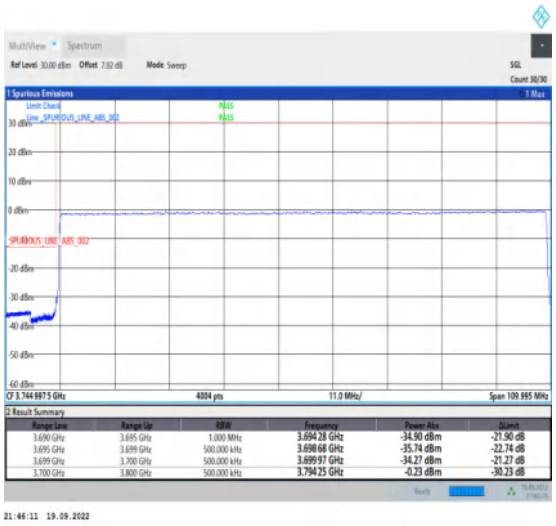

1-N77-3700-3980--30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph

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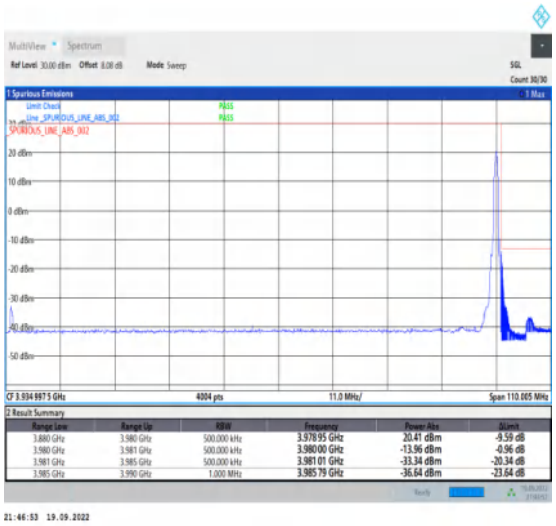

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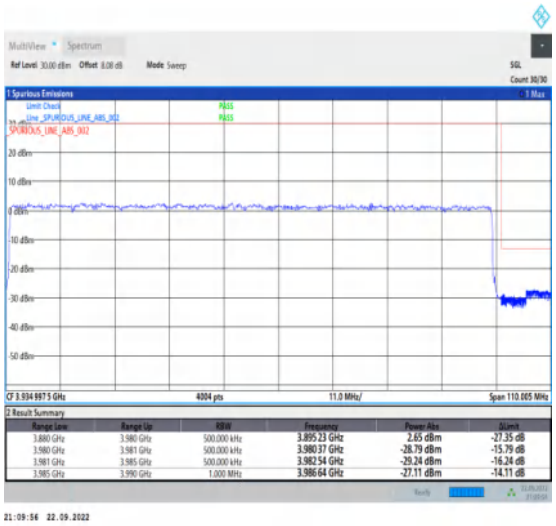

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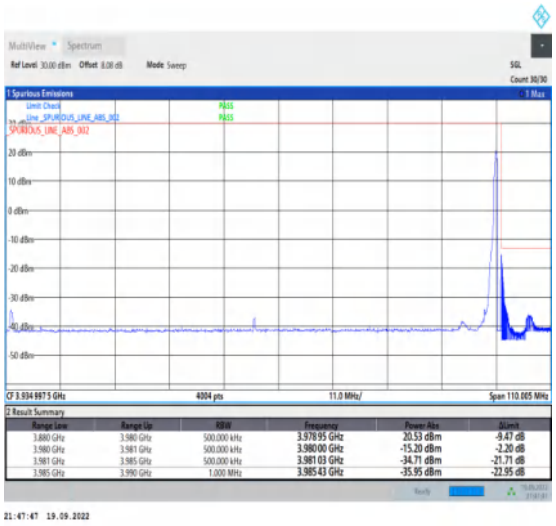

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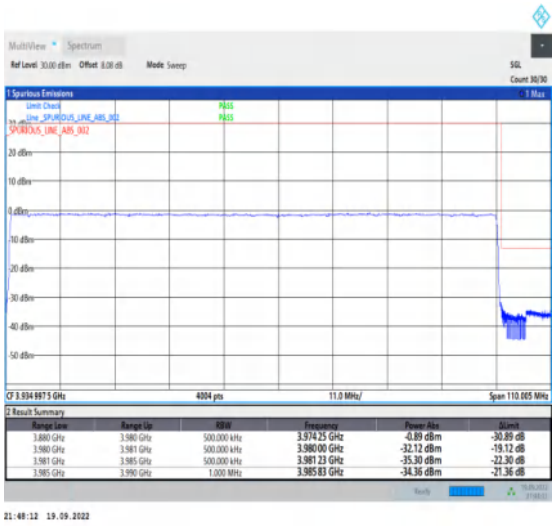

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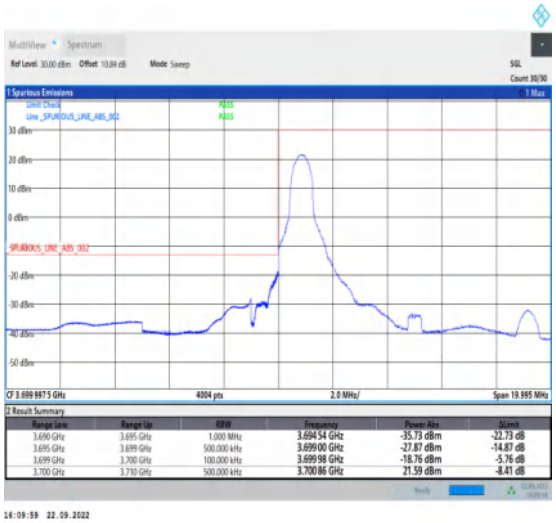

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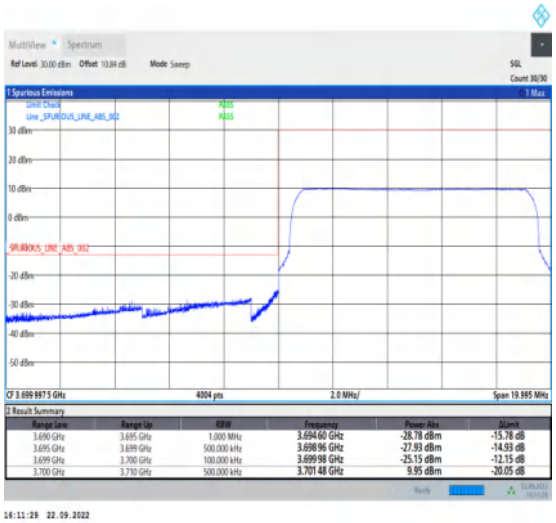

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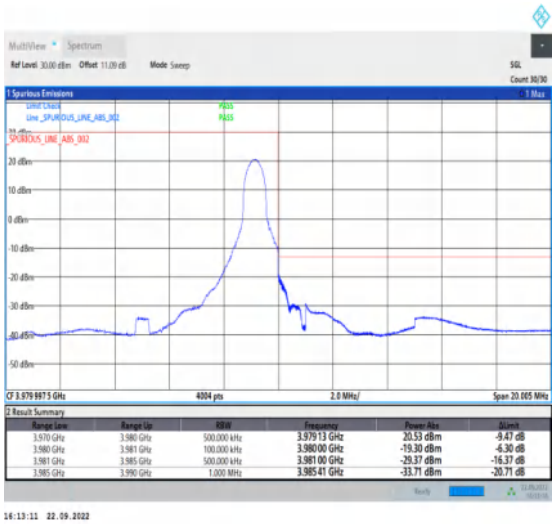

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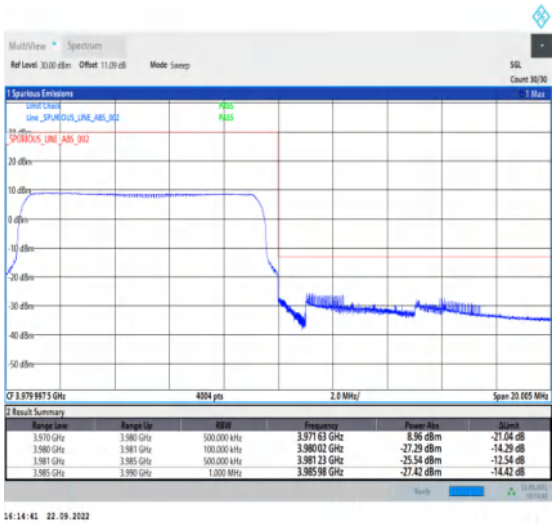

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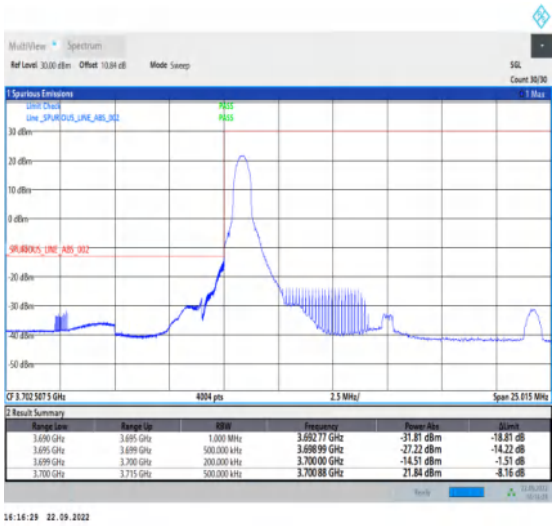

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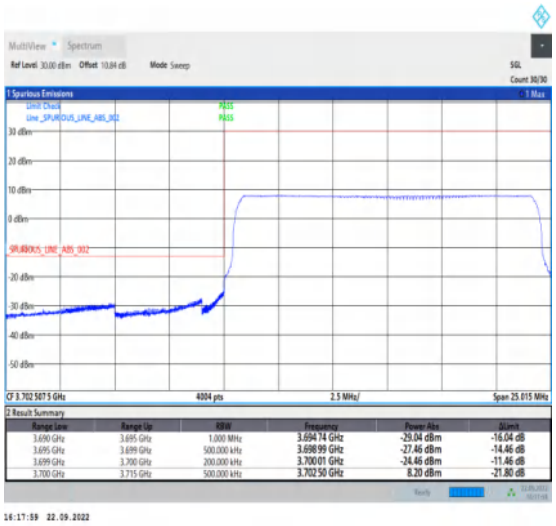

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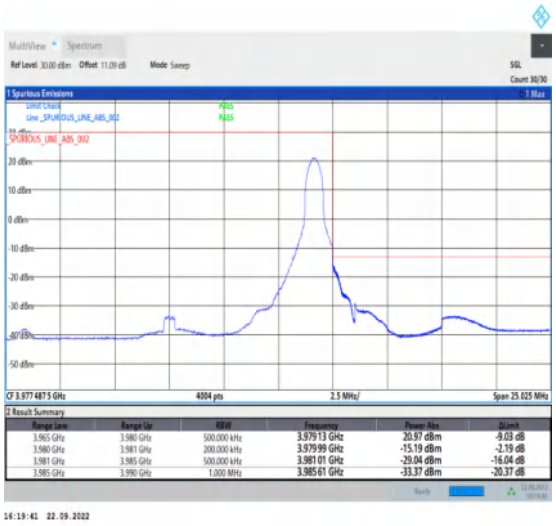

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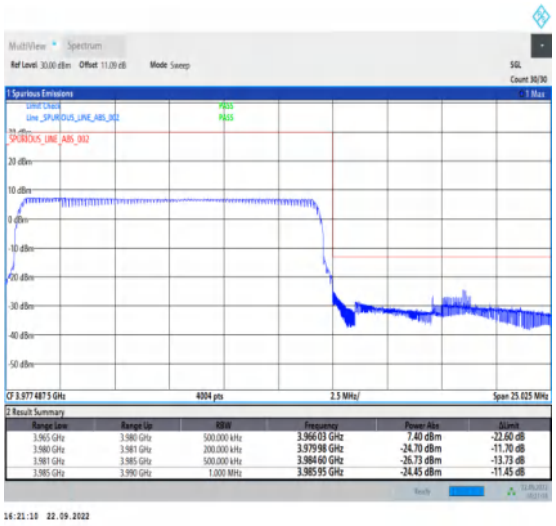

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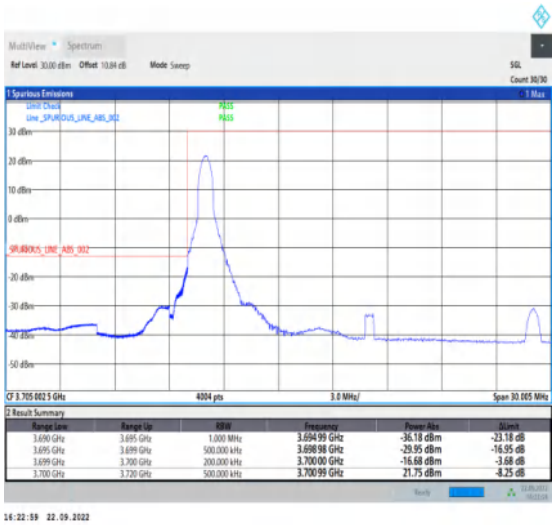

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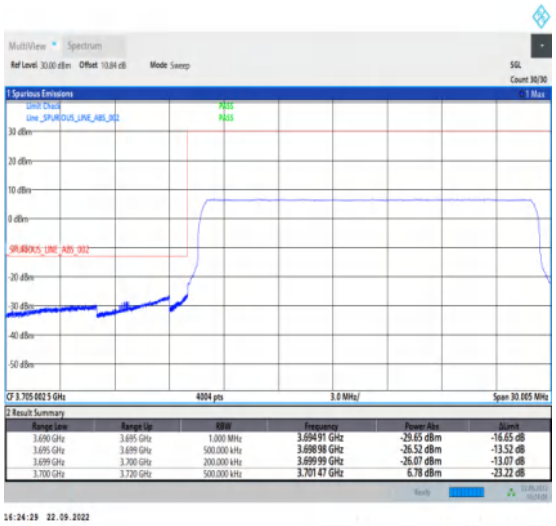

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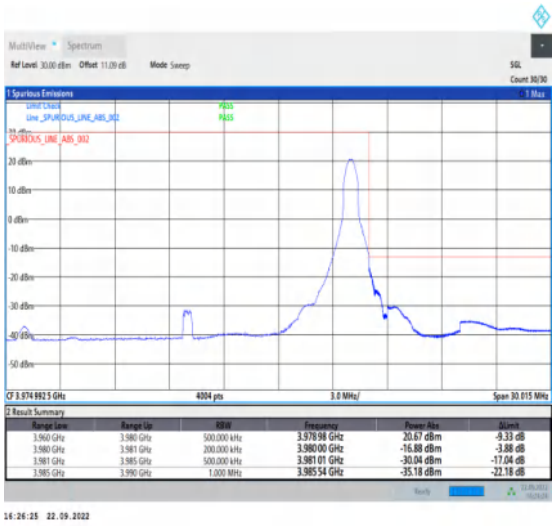

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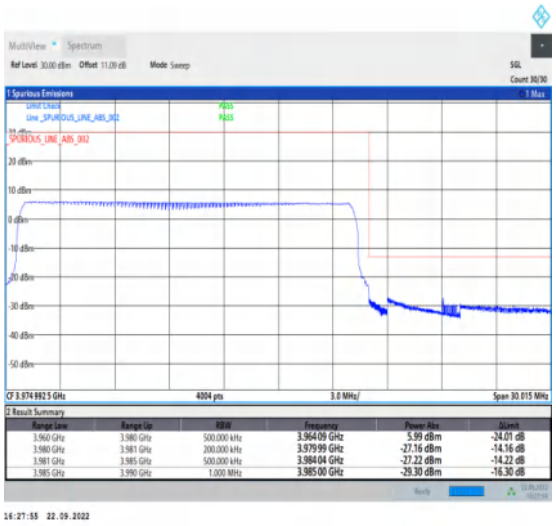

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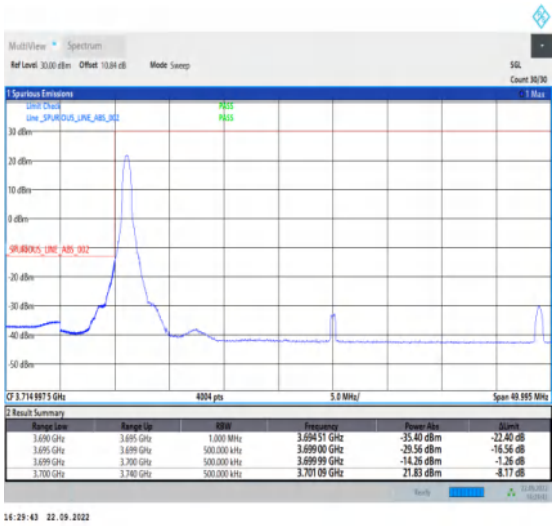

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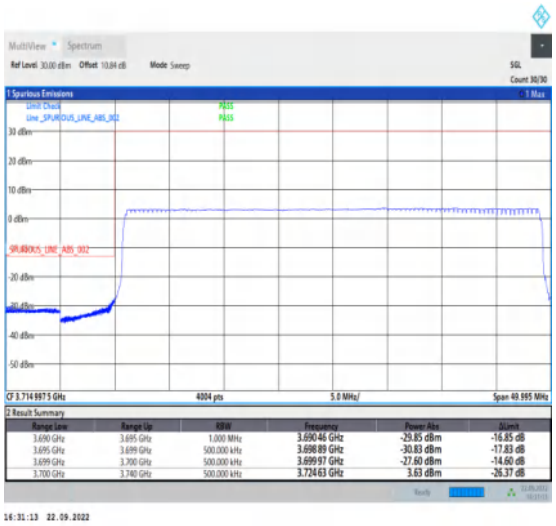

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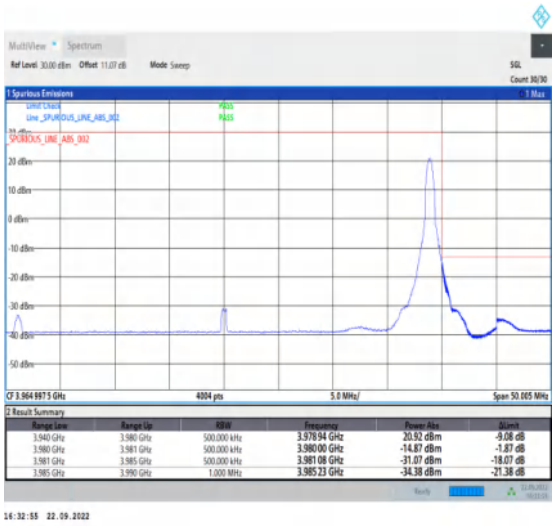

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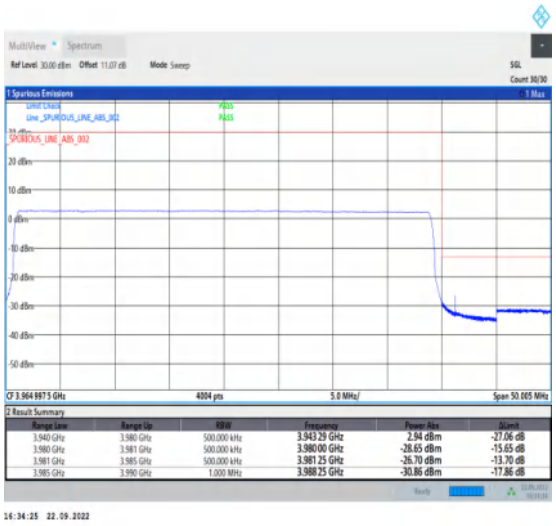

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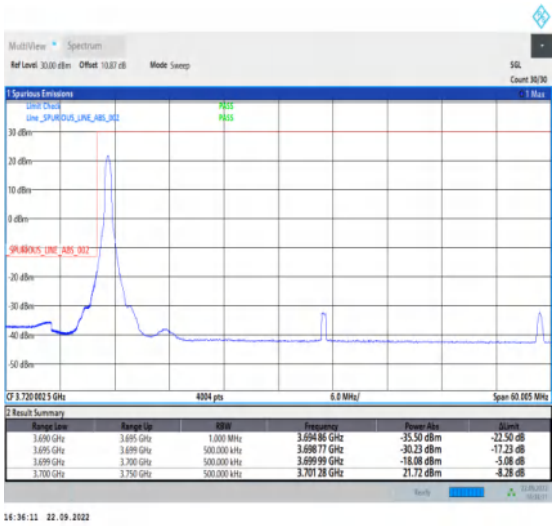

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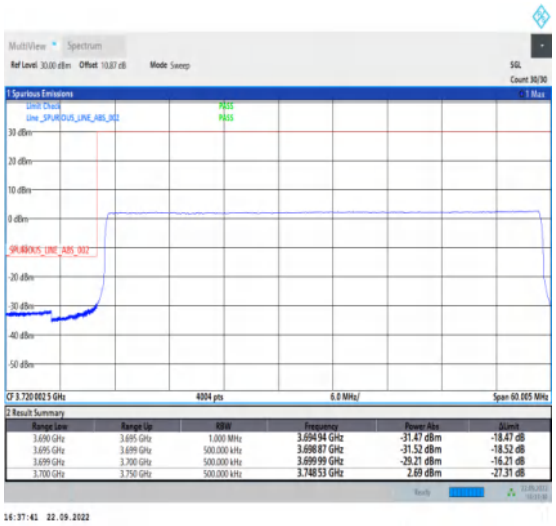

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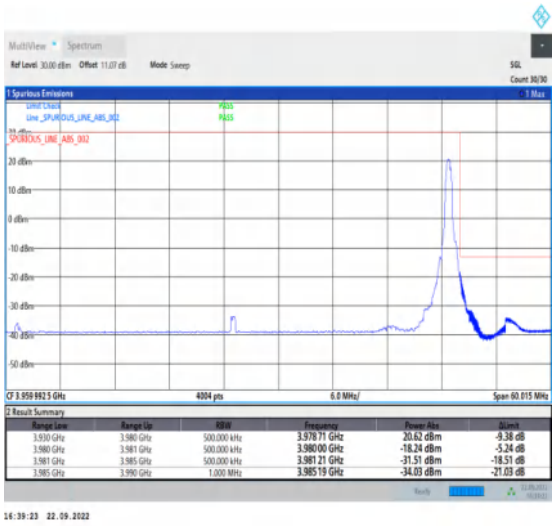

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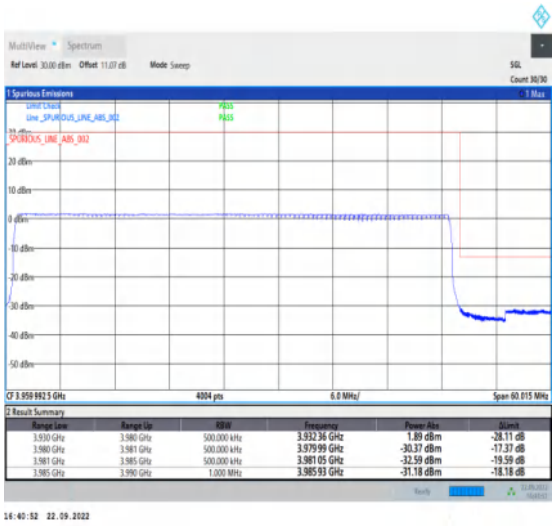

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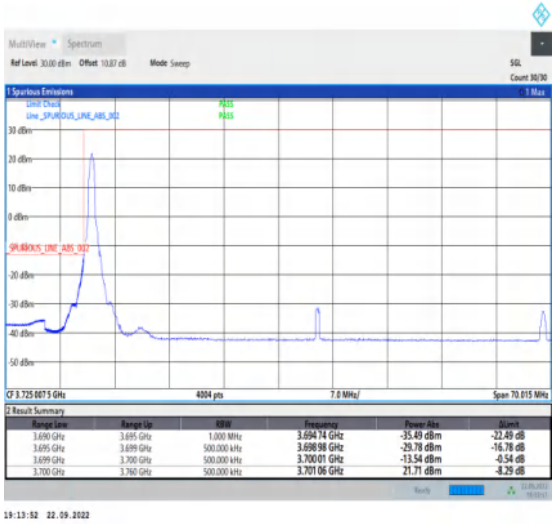

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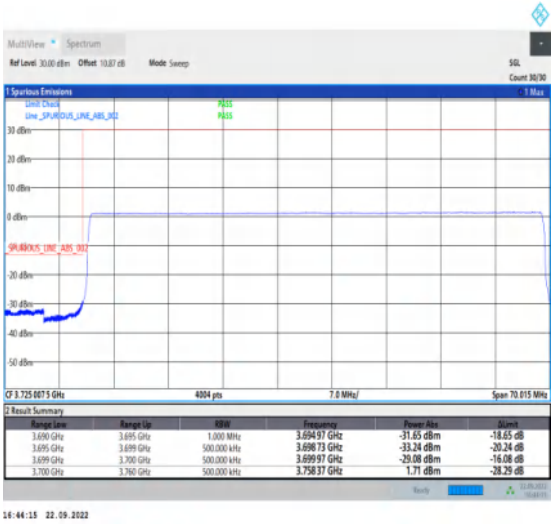

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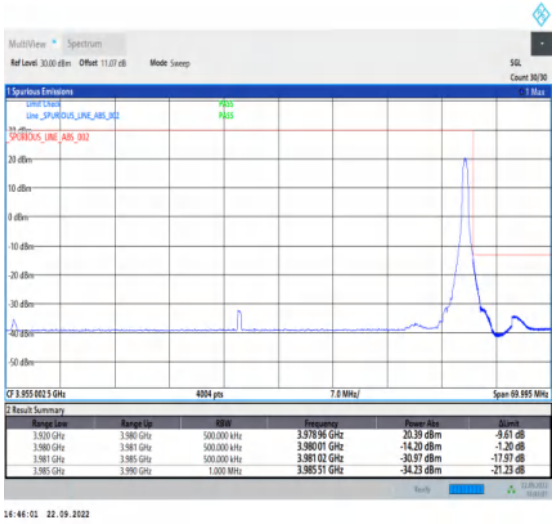

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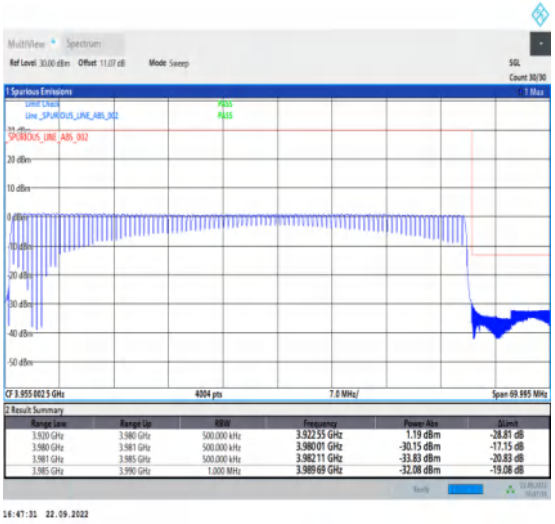

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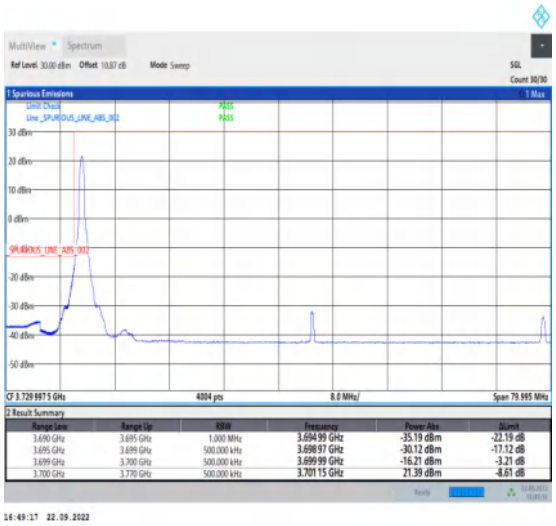

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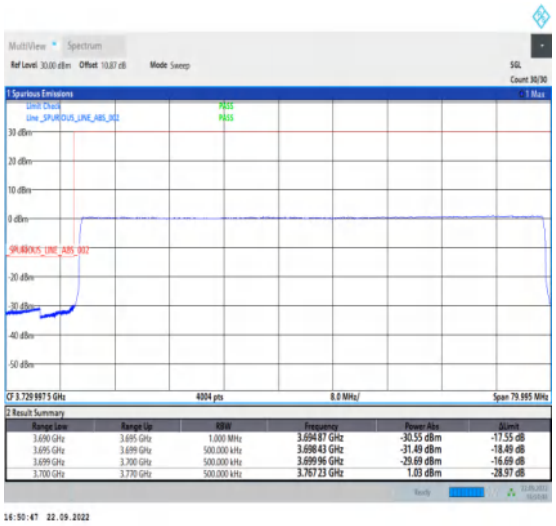

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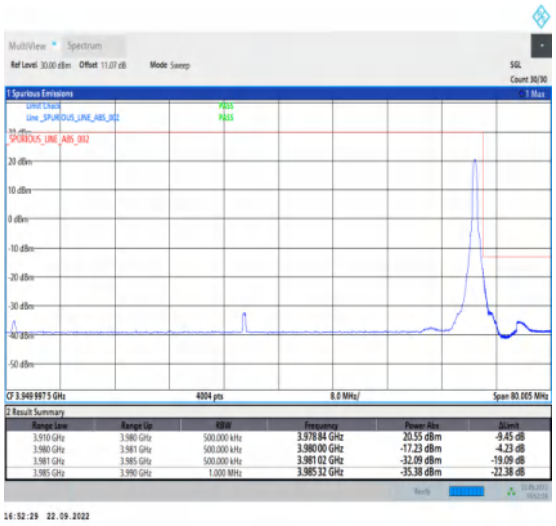

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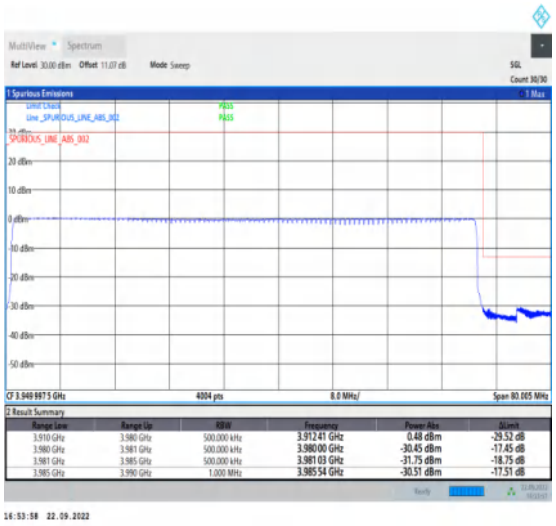

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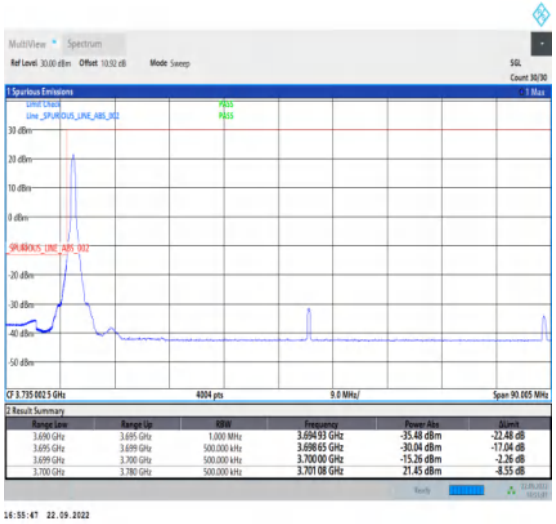

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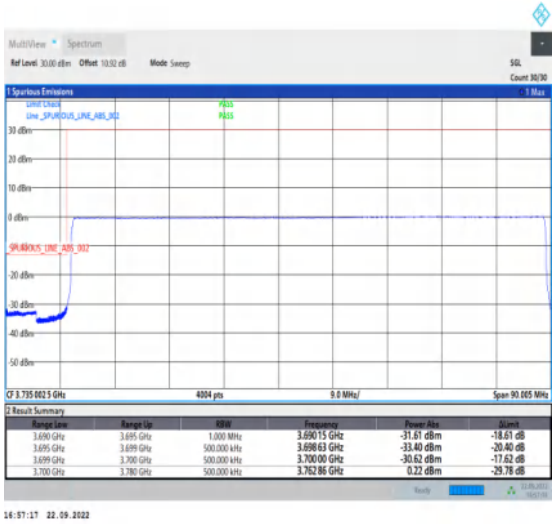

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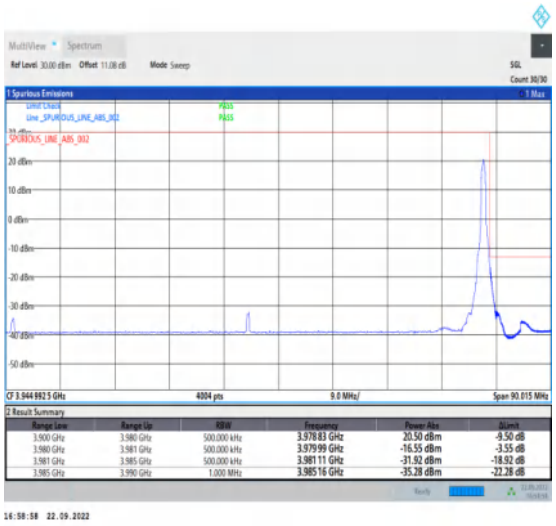

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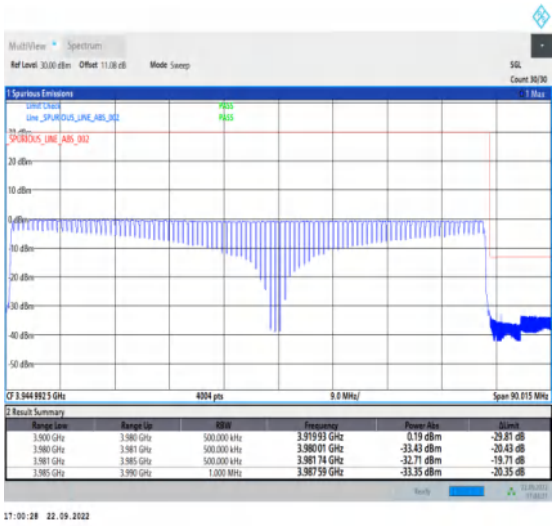

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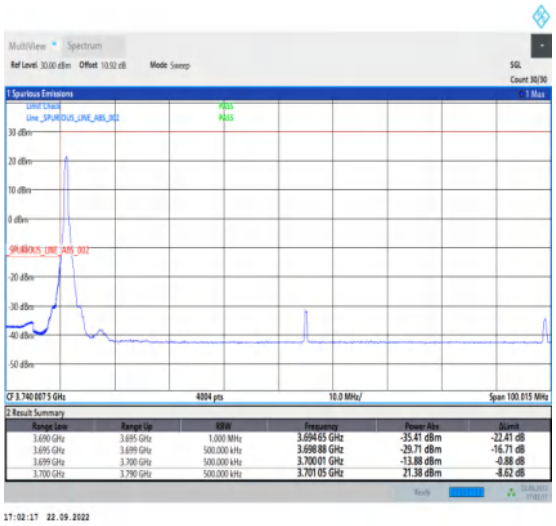

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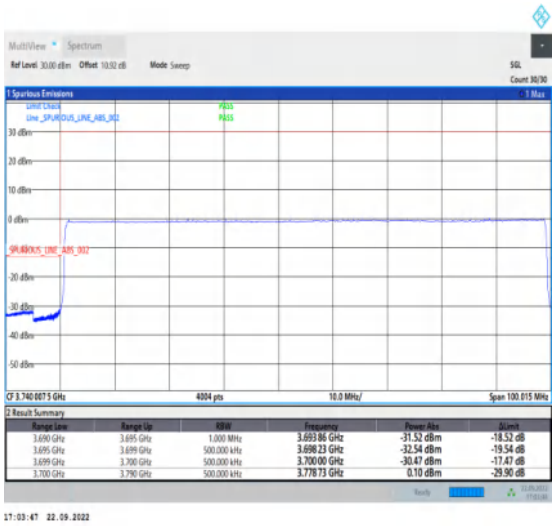

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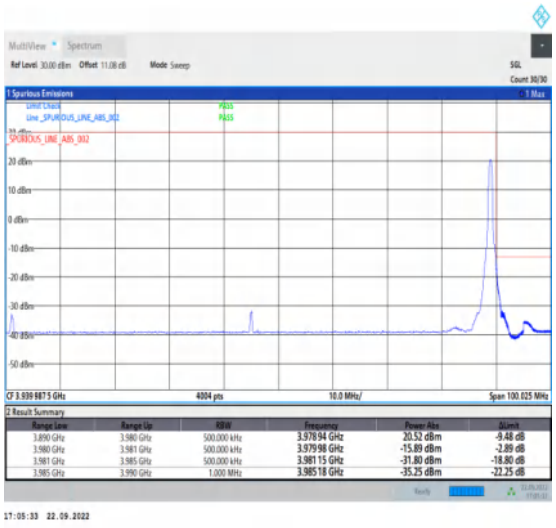

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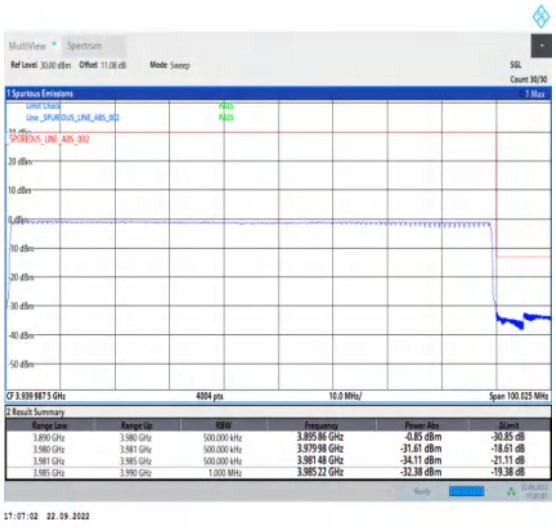

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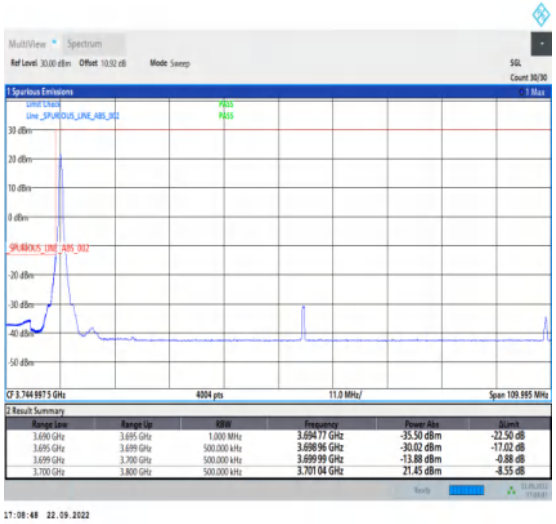

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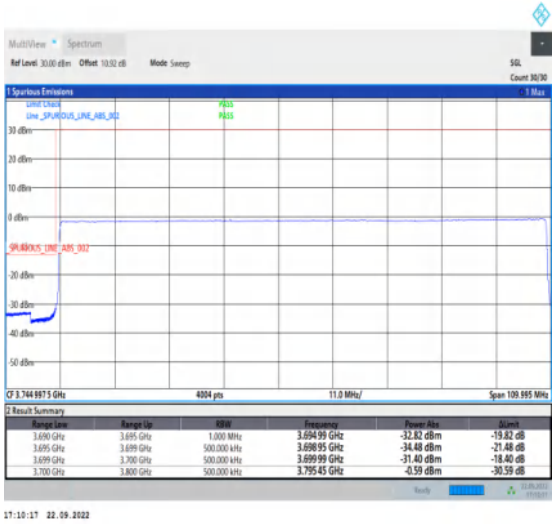

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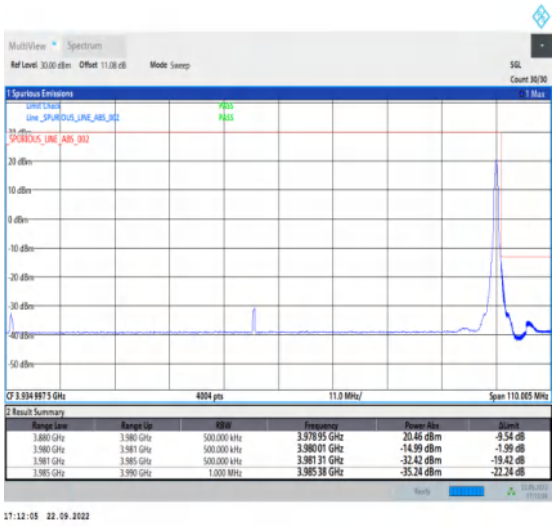

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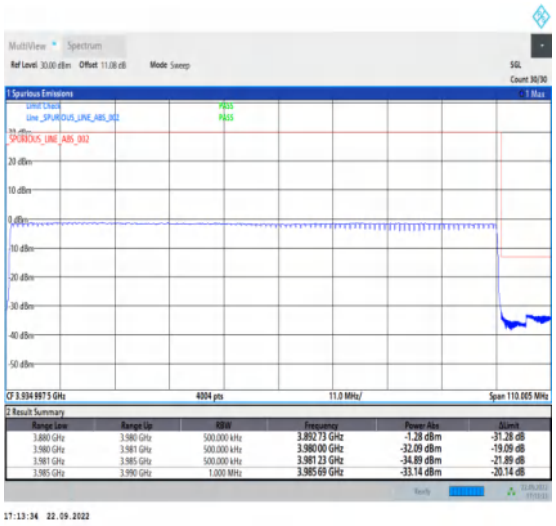

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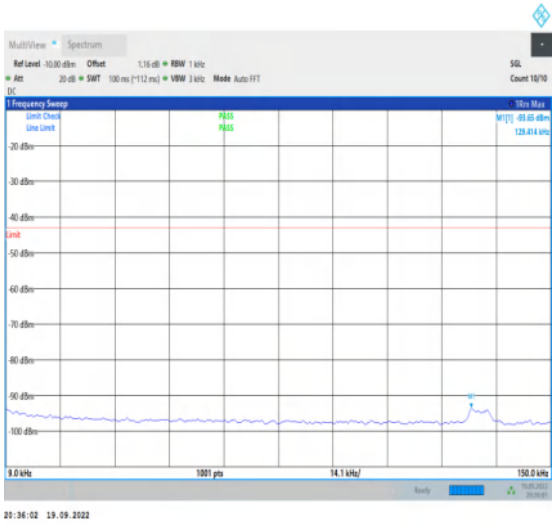
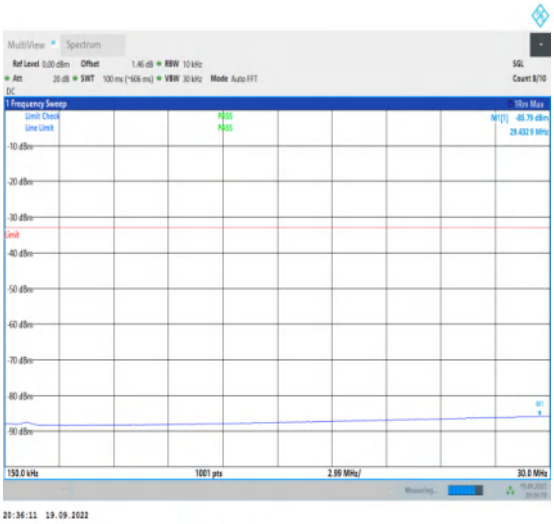
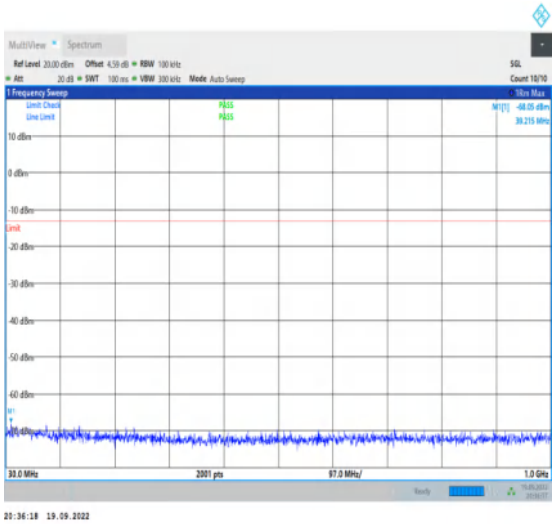
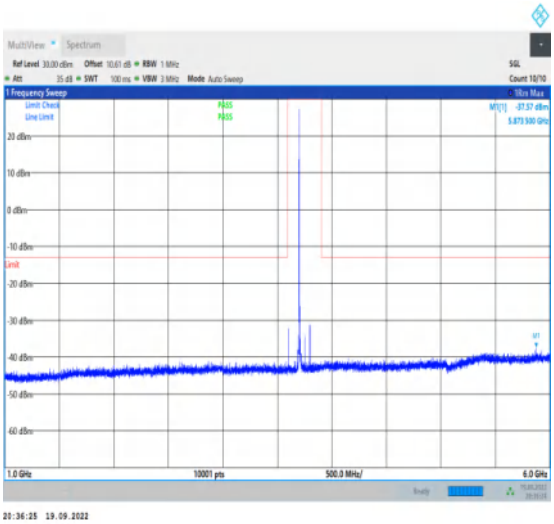
Test Graphs

	
1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.13--93.65--43-PASS	1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.43--85.79--33-PASS
	
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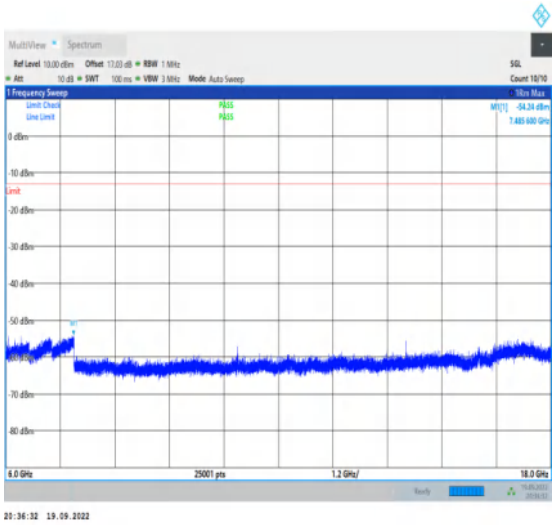

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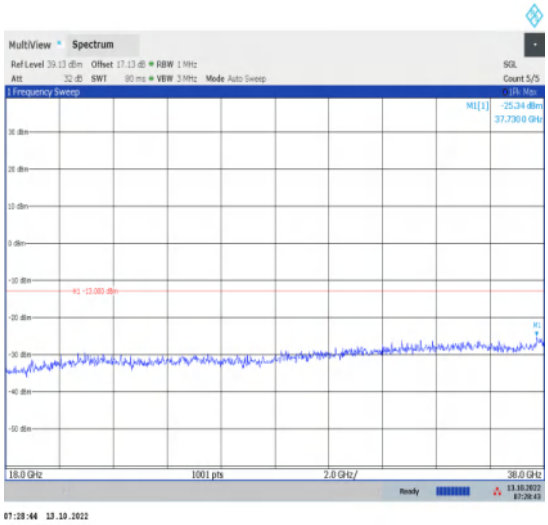

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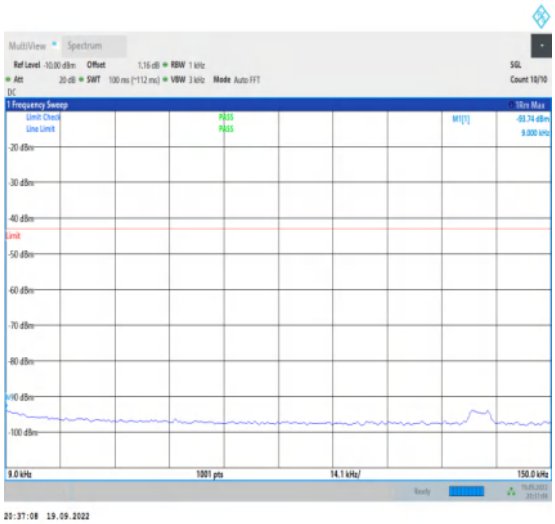

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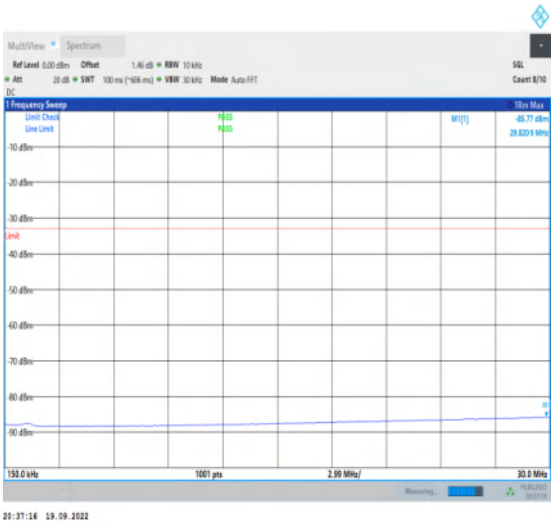

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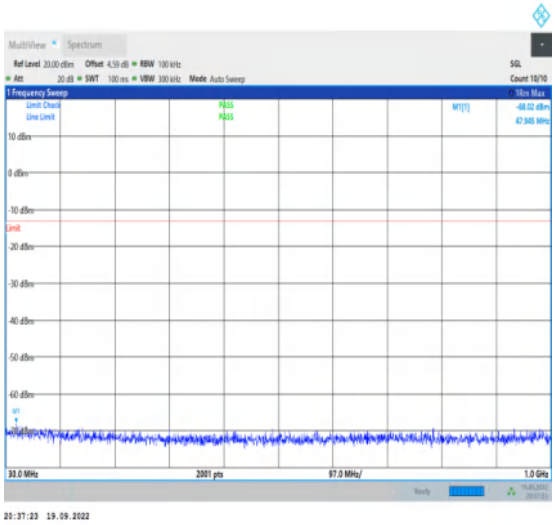

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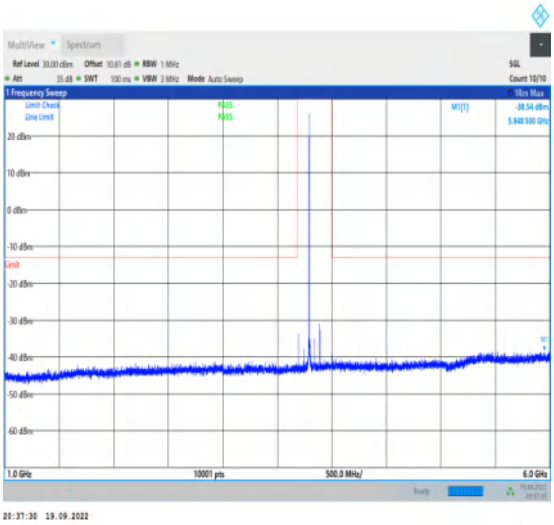

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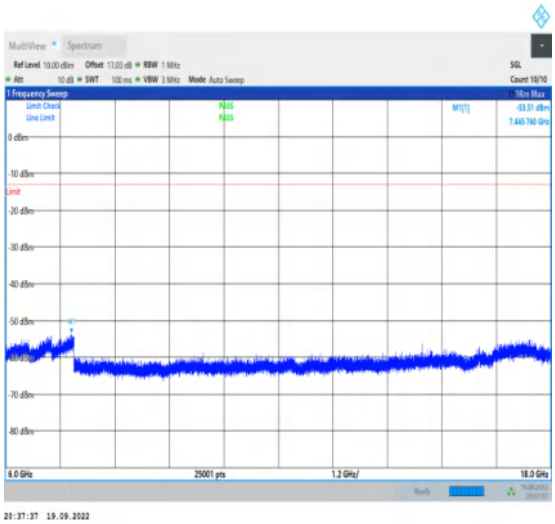

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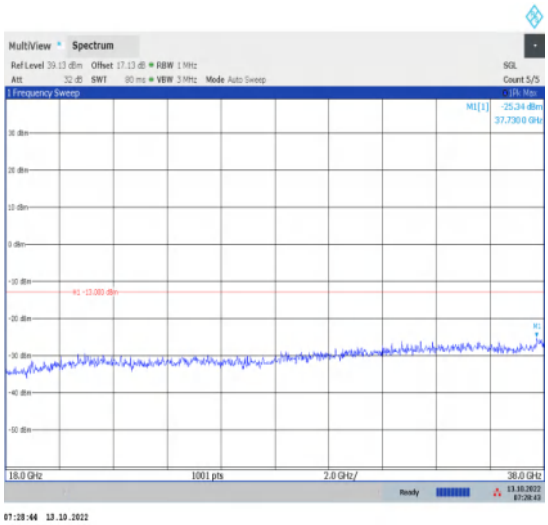

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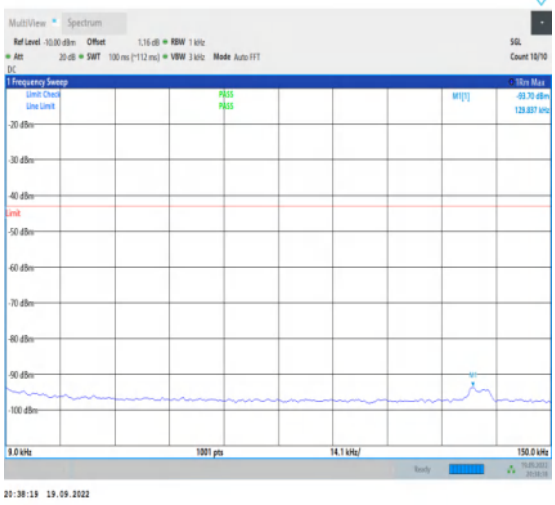

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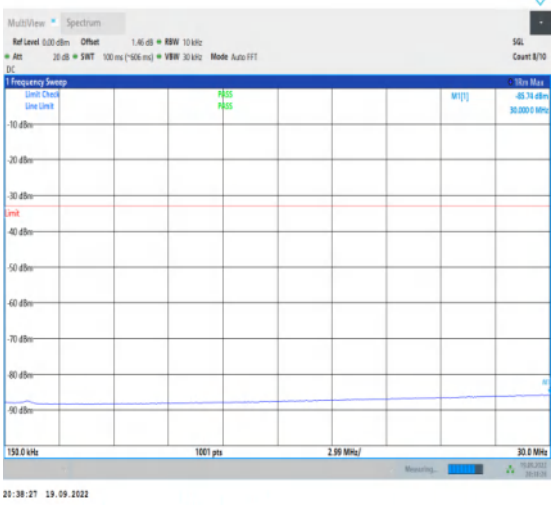

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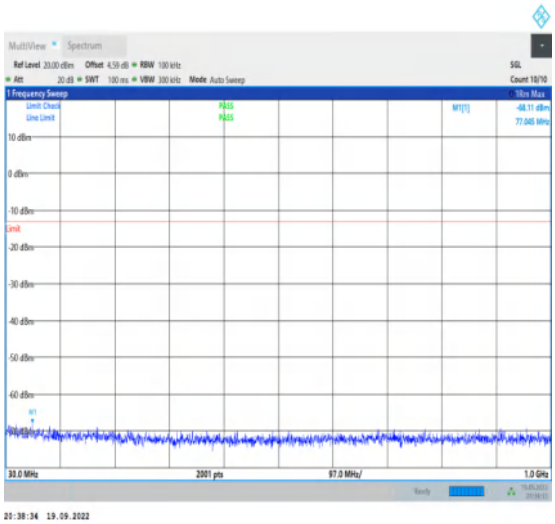

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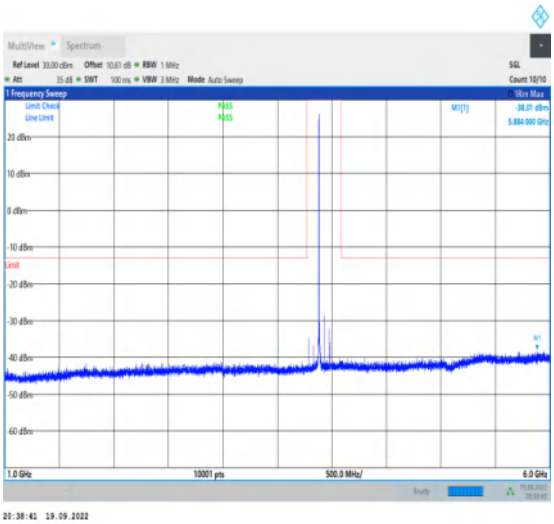

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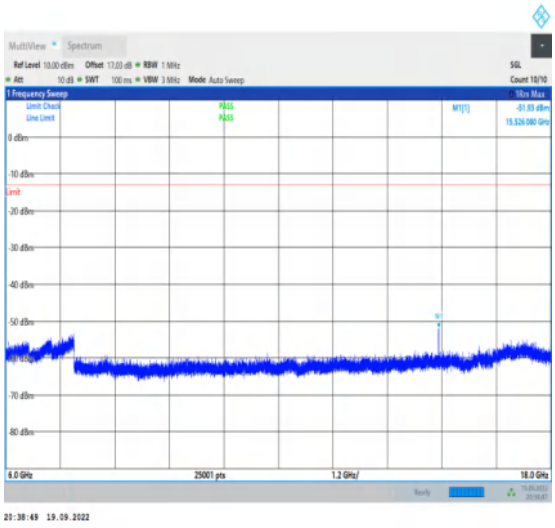	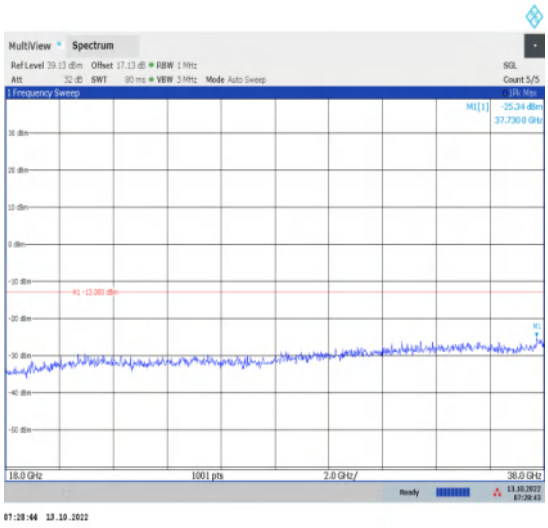
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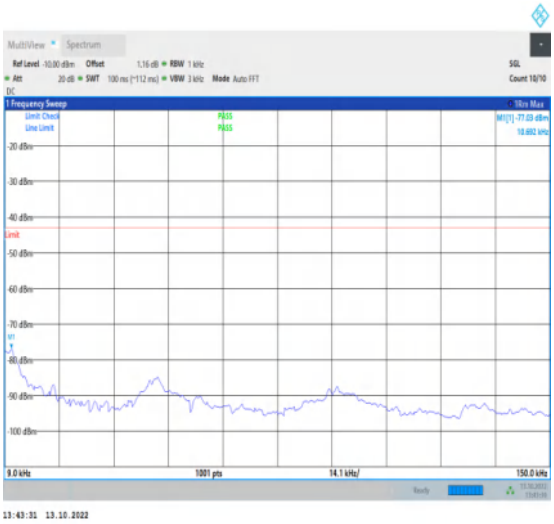
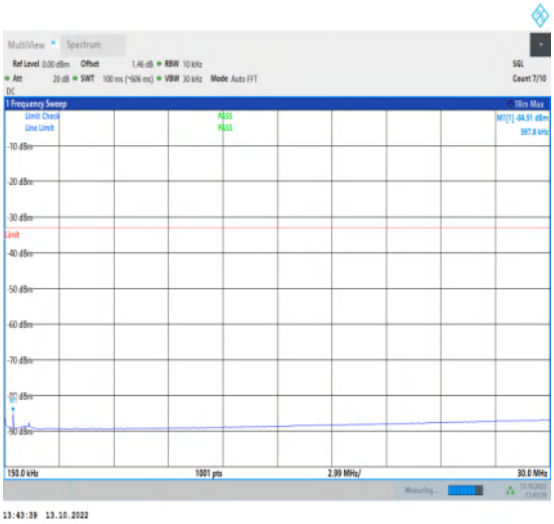
UL MIMO Test Graphs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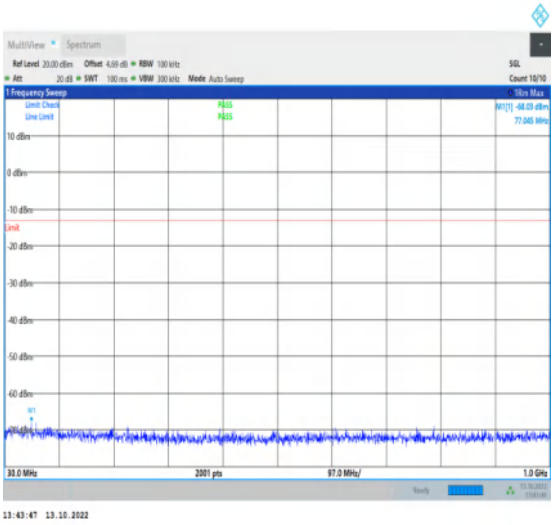	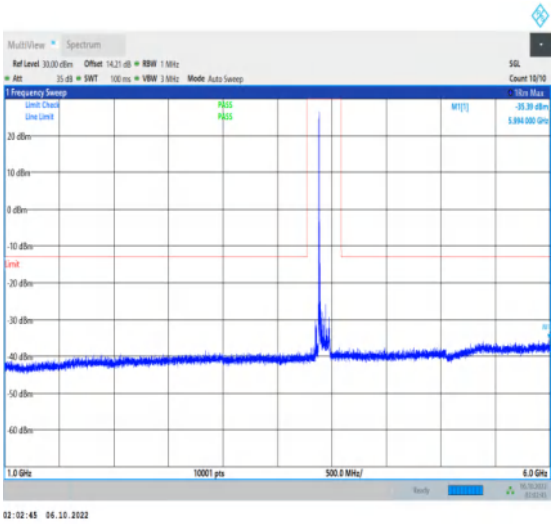
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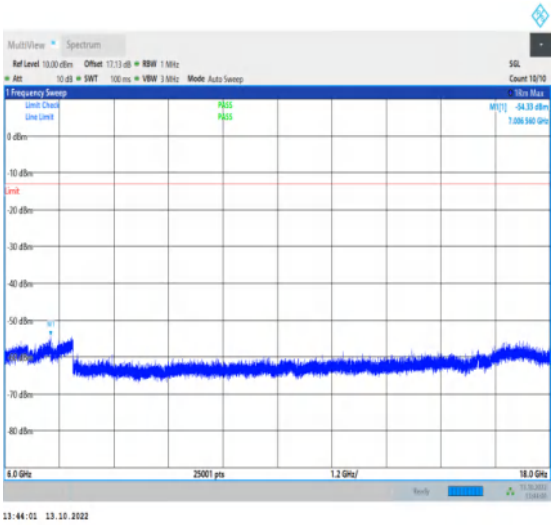

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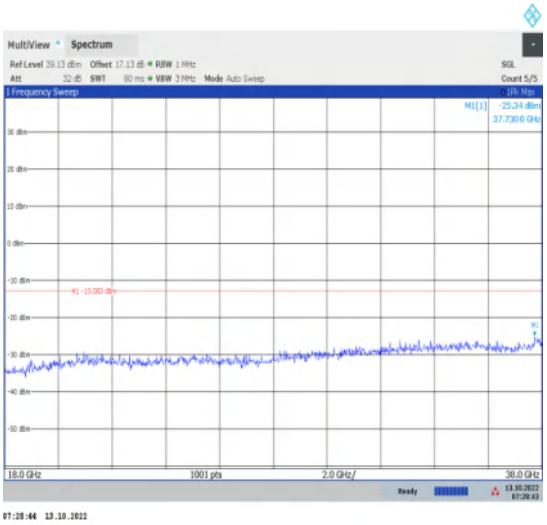

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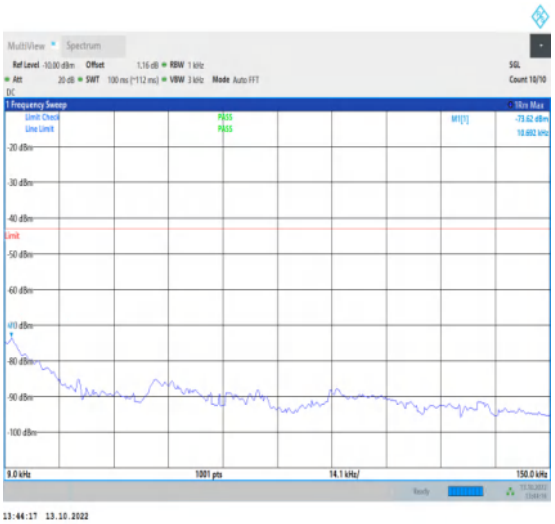

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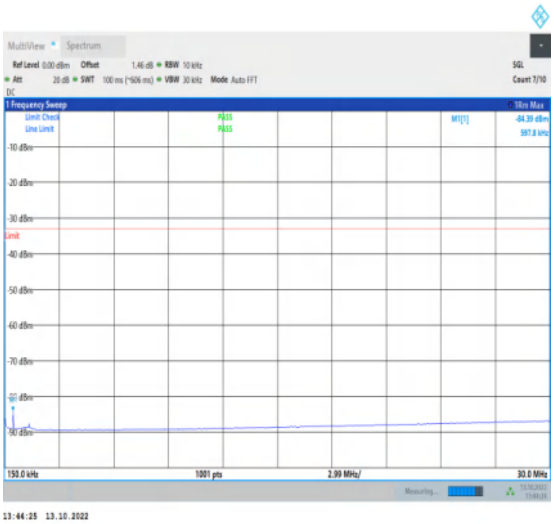

1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.60--84.39--33-PASS

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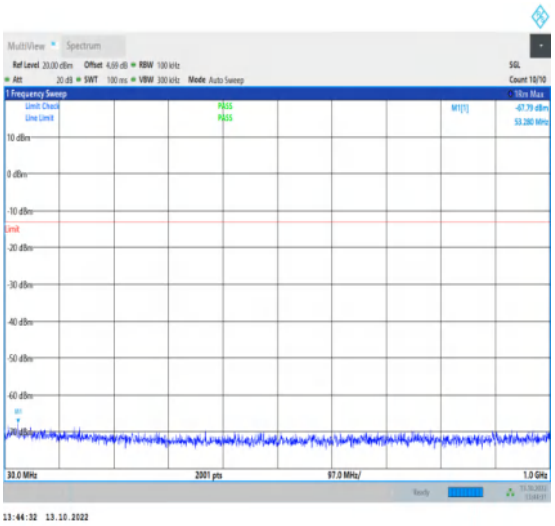	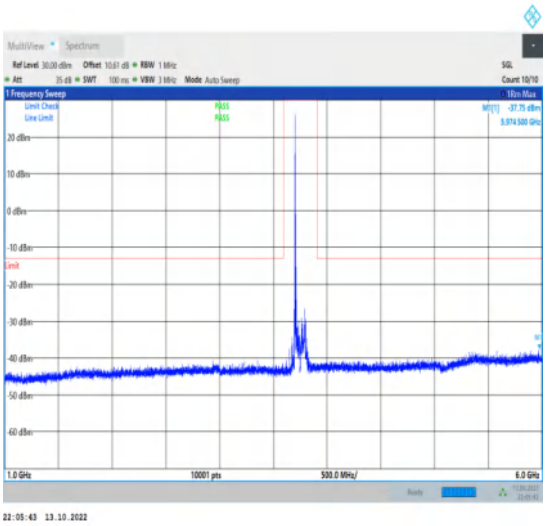
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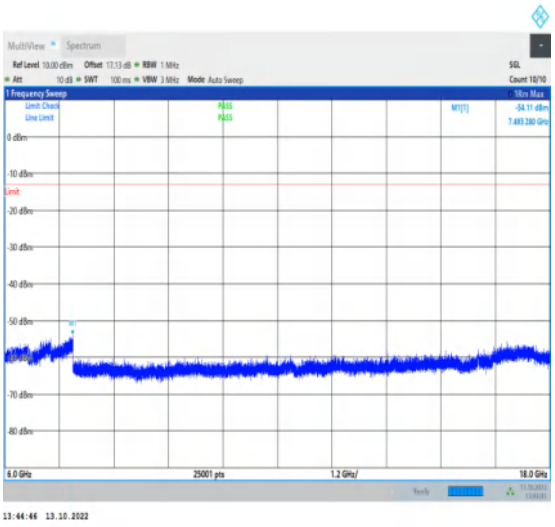	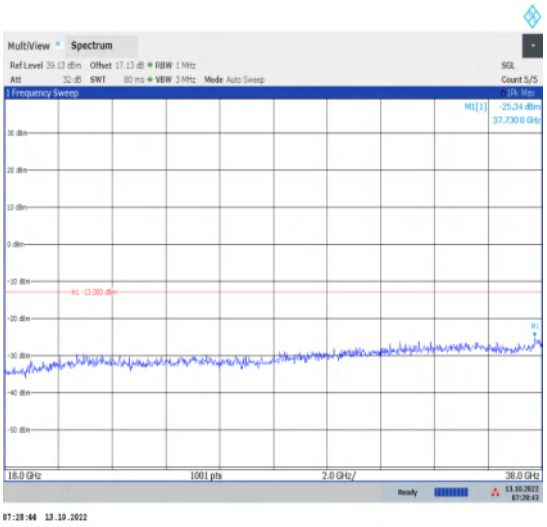
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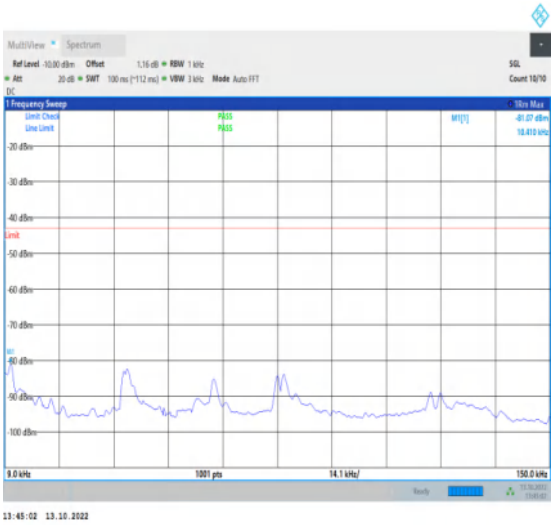

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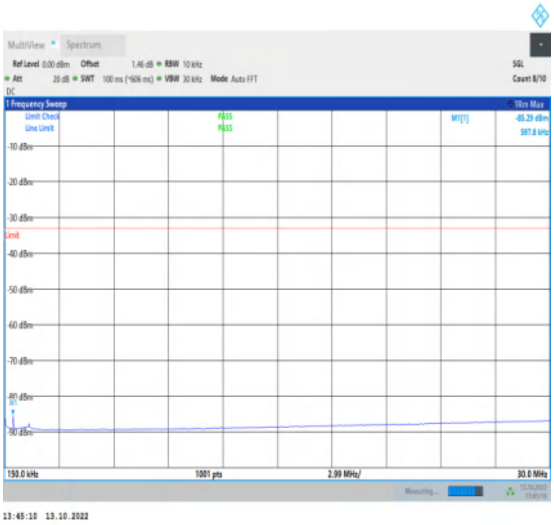

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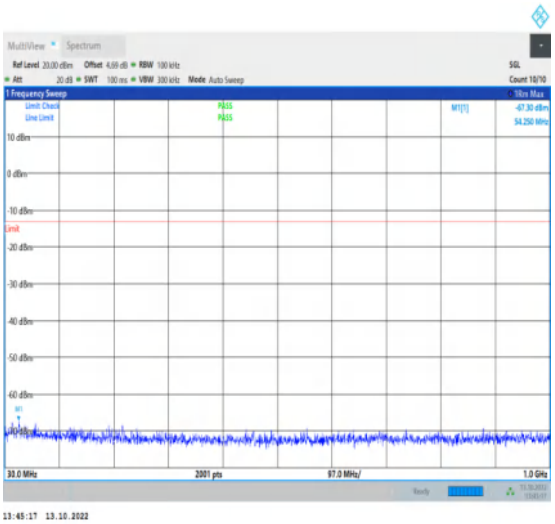

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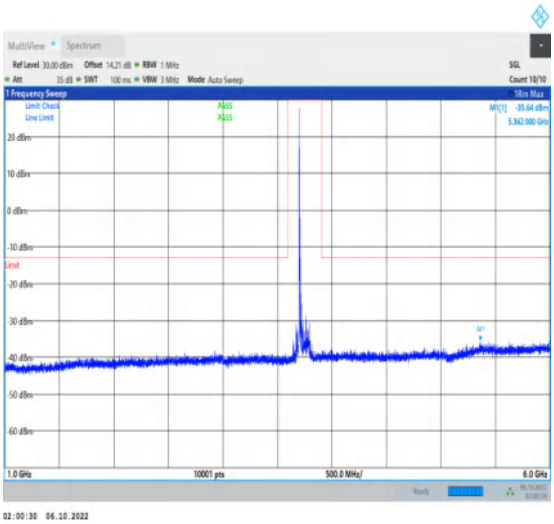

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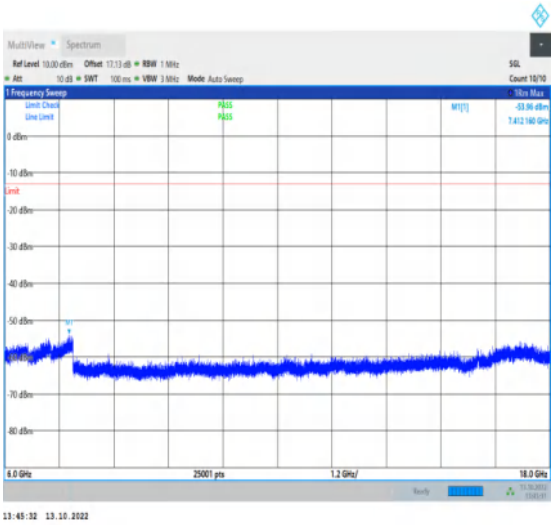	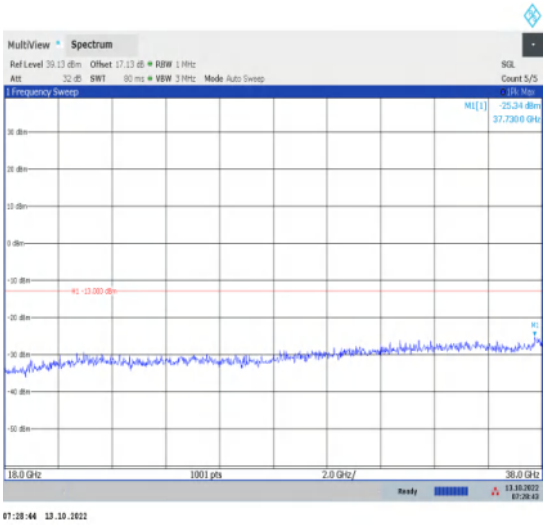
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Field Strength of Spurious Radiation

Test Band = 5G NR SA Band77_ TM1
Test Channel = Low 3700-3980 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	7310.1800	46.85	-43.27	36.54	-55.14	-13.00	42.14	144	346	Horizontal
2	8495.25	48.00	-41.78	37.53	-51.51	-13.00	38.51	175	5	Horizontal
3	9592.925	44.64	-39.25	38.44	-51.43	-13.00	38.43	126	237	Horizontal
4	10965.2700	36.41	-37.67	39.10	-57.42	-13.00	44.42	236	208	Horizontal
5	12829.6	37.14	-36.69	39.66	-55.15	-13.00	42.15	215	132	Horizontal
6	14620.3600	33.69	-35.23	39.91	-56.89	-13.00	43.89	173	13	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = Low 3700-3980 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	7310.1800	45.72	-43.27	36.54	-56.27	-13.00	43.27	165	147	Vertical
2	7779.375	50.07	-42.66	36.74	-51.11	-13.00	38.11	142	300	Vertical
3	9591.775	44.08	-39.26	38.44	-52.00	-13.00	39.00	188	221	Vertical
4	10965.2700	36.51	-37.67	39.10	-57.32	-13.00	44.32	145	24	Vertical
5	12815.225	36.85	-36.66	39.65	-55.42	-13.00	42.42	170	24	Vertical
6	14620.3600	33.75	-35.23	39.91	-56.83	-13.00	43.83	193	300	Vertical

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Test Band = 5G NR SA Band77_ TM1
Test Channel = Mid 3700-3980 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	7590.1800	46.78	-42.78	36.39	-54.87	-13.00	41.87	261	176	Horizontal
2	8416.475	47.56	-41.44	37.36	-51.78	-13.00	38.78	142	356	Horizontal
3	10096.05	41.27	-38.73	38.64	-54.07	-13.00	41.07	130	5	Horizontal
4	11270.2	39.40	-37.04	39.11	-53.79	-13.00	40.79	122	162	Horizontal
5	11835.2700	32.30	-37.25	38.79	-61.42	-13.00	48.42	174	5	Horizontal
6	15180.3600	31.34	-33.90	38.98	-58.84	-13.00	45.84	139	176	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = Mid 3700-3980 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	7590.1800	46.02	-42.78	36.39	-55.63	-13.00	42.63	186	162	Vertical
2	8415.325	47.17	-41.44	37.36	-52.16	-13.00	39.16	145	1	Vertical
3	9596.95	43.32	-39.22	38.44	-52.72	-13.00	39.72	182	356	Vertical
4	11169	38.07	-36.96	39.10	-55.04	-13.00	42.04	193	67	Vertical
5	11835.2700	32.81	-37.25	38.79	-60.91	-13.00	47.91	130	145	Vertical
6	15180.3600	31.28	-33.90	38.98	-58.90	-13.00	45.90	134	53	Vertical

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Test Band = 5G NR SA Band77_ TM1
Test Channel = High 3700-3980 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	7069.825	49.40	-43.46	36.26	-53.06	-13.00	40.06	268	207	Horizontal
2	7870.1800	45.86	-42.69	36.86	-55.23	-13.00	42.23	145	1	Horizontal
3	9521.625	44.02	-39.80	38.46	-52.58	-13.00	39.58	185	328	Horizontal
4	11805.2700	32.20	-37.21	38.76	-61.51	-13.00	48.51	196	312	Horizontal
5	13769.15	36.14	-36.17	39.99	-55.30	-13.00	42.30	142	328	Horizontal
6	15740.3600	32.55	-33.18	38.27	-57.62	-13.00	44.62	103	344	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = High 3700-3980 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	7330.875	48.77	-43.16	36.53	-53.13	-13.00	40.13	195	0	Vertical
2	7870.1800	45.45	-42.69	36.86	-55.64	-13.00	42.64	142	328	Vertical
3	9613.625	43.23	-39.24	38.43	-52.84	-13.00	39.84	136	251	Vertical
4	11805.2700	32.17	-37.21	38.76	-61.54	-13.00	48.54	266	282	Vertical
5	13666.225	35.98	-36.01	40.09	-55.20	-13.00	42.20	211	0	Vertical
6	15740.3600	31.27	-33.18	38.27	-58.90	-13.00	45.90	185	145	Vertical

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Test Band = 5G NR SA Band77_ TM1
Test Channel = Low 3700-3980 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	7310.1800	46.18	-43.27	36.54	-55.81	-13.00	42.81	256	1	Horizontal
2	8358.4	46.54	-41.58	37.28	-53.02	-13.00	40.02	144	23	Horizontal
3	9067.375	44.43	-40.56	38.25	-53.14	-13.00	40.14	188	6	Horizontal
4	10264.525	41.01	-39.08	38.83	-54.50	-13.00	41.50	195	0	Horizontal
5	10965.2700	35.37	-37.67	39.10	-58.46	-13.00	45.46	147	254	Horizontal
6	14620.3600	33.28	-35.23	39.91	-57.30	-13.00	44.30	170	6	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = Low 3700-3980 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	7310.1800	46.05	-43.27	36.54	-55.94	-13.00	42.94	255	0	Vertical
2	8410.725	47.01	-41.42	37.35	-52.31	-13.00	39.31	146	146	Vertical
3	9061.625	44.09	-40.59	38.24	-53.51	-13.00	40.51	258	13	Vertical
4	9531.4	43.78	-39.72	38.46	-52.74	-13.00	39.74	259	163	Vertical
5	10965.2700	36.06	-37.67	39.10	-57.77	-13.00	44.77	291	85	Vertical
6	14620.3600	33.66	-35.23	39.91	-56.92	-13.00	43.92	145	25	Vertical

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Test Band = 5G NR SA Band77_ TM1
Test Channel = Mid 3700-3980 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	7590.1800	46.25	-42.78	36.39	-55.40	-13.00	42.40	245	98	Horizontal
2	8375.65	45.84	-41.49	37.30	-53.61	-13.00	40.61	146	160	Horizontal
3	8961.575	45.66	-40.89	38.18	-52.31	-13.00	39.31	291	160	Horizontal
4	11835.2700	33.76	-37.25	38.79	-59.96	-13.00	46.96	178	0	Horizontal
5	13749.025	37.32	-36.12	40.01	-54.05	-13.00	41.05	142	68	Horizontal
6	15180.3600	32.32	-33.90	38.98	-57.86	-13.00	44.86	133	68	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = Mid 3700-3980 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	7590.1800	45.91	-42.78	36.39	-55.74	-13.00	42.74	254	25	Vertical
2	8532.625	47.31	-41.50	37.61	-51.84	-13.00	38.84	198	301	Vertical
3	9573.95	43.22	-39.40	38.45	-52.99	-13.00	39.99	174	242	Vertical
4	11835.2700	33.59	-37.25	38.79	-60.13	-13.00	47.13	124	235	Vertical
5	13452.325	35.85	-36.37	40.15	-55.63	-13.00	42.63	135	145	Vertical
6	15180.3600	33.76	-33.90	38.98	-56.42	-13.00	43.42	261	102	Vertical

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Test Band = 5G NR SA Band77_ TM1
Test Channel = High 3700-3980 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	7870.1800	45.07	-42.69	36.86	-56.02	-13.00	43.02	245	12	Horizontal
2	8675.8	45.94	-41.23	37.88	-52.68	-13.00	39.68	168	267	Horizontal
3	9058.175	44.68	-40.60	38.24	-52.94	-13.00	39.94	152	53	Horizontal
4	10963.725	39.73	-37.67	39.10	-54.10	-13.00	41.10	142	1	Horizontal
5	11805.2700	33.89	-37.21	38.76	-59.82	-13.00	46.82	155	0	Horizontal
6	15740.3600	30.11	-33.18	38.27	-60.06	-13.00	47.06	195	86	Horizontal

Test Band = 5G NR SA Band77_ TM1
Test Channel = High 3700-3980 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	7870.1800	44.94	-42.69	36.86	-56.15	-13.00	43.15	287	224	Vertical
2	8410.15	46.56	-41.41	37.35	-52.76	-13.00	39.76	149	356	Vertical
3	8689.6	45.67	-41.29	37.90	-52.99	-13.00	39.99	245	1	Vertical
4	9559	44.31	-39.51	38.45	-52.01	-13.00	39.01	166	0	Vertical
5	11805.2700	34.17	-37.21	38.76	-59.54	-13.00	46.54	215	330	Vertical
6	15740.3600	31.50	-33.18	38.27	-58.67	-13.00	45.67	134	101	Vertical

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Test Band = UL MIMO N77_ TM1
Test Channel = Low 3700-3980

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	47.10	-43.61	35.85	-55.92	-13.00	42.92	269	69	Horizontal
2	8422.8	44.49	-41.47	37.38	-54.86	-13.00	41.86	158	175	Horizontal
3	8963.875	41.69	-40.88	38.18	-56.28	-13.00	43.28	149	330	Horizontal
4	10215.2700	31.47	-39.23	38.81	-64.21	-13.00	51.21	126	344	Horizontal
5	13620.3600	28.72	-36.03	40.13	-62.44	-13.00	49.44	153	100	Horizontal
6	17025.4500	30.06	-33.71	38.51	-60.40	-13.00	47.40	175	0	Horizontal

Test Band = UL MIMO N77_ TM1
Test Channel = Low 3700-3980

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	45.79	-43.61	35.85	-57.23	-13.00	44.23	258	300	Vertical
2	8421.075	45.50	-41.46	37.37	-53.85	-13.00	40.85	145	269	Vertical
3	8931.1	43.59	-40.90	38.16	-54.41	-13.00	41.41	126	1	Vertical
4	10215.2700	33.34	-39.23	38.81	-62.34	-13.00	49.34	292	0	Vertical
5	13620.3600	28.52	-36.03	40.13	-62.64	-13.00	49.64	111	1	Vertical
6	17025.4500	30.86	-33.71	38.51	-59.60	-13.00	46.60	160	132	Vertical

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Test Band = UL MIMO N77_ TM1
Test Channel = Mid 3700-3980

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	47.55	-43.80	35.97	-55.54	-13.00	42.54	255	2	Horizontal
2	8403.25	43.71	-41.38	37.34	-55.60	-13.00	42.60	142	25	Horizontal
3	9531.4	39.87	-39.72	38.46	-56.65	-13.00	43.65	162	13	Horizontal
4	10365.2700	32.00	-38.81	38.85	-63.21	-13.00	50.21	159	6	Horizontal
5	13820.3600	29.79	-36.11	39.98	-61.60	-13.00	48.60	145	0	Horizontal
6	17275.4500	32.20	-35.16	38.70	-59.51	-13.00	46.51	176	344	Horizontal

Test Band = UL MIMO N77_ TM1
Test Channel = Mid 3700-3980

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	45.82	-43.80	35.97	-57.27	-13.00	44.27	215	225	Vertical
2	8415.9	44.77	-41.44	37.36	-54.56	-13.00	41.56	145	14	Vertical
3	9419.275	40.39	-39.93	38.49	-56.31	-13.00	43.31	222	0	Vertical
4	10365.2700	32.17	-38.81	38.85	-63.04	-13.00	50.04	261	148	Vertical
5	13820.3600	29.40	-36.11	39.98	-61.99	-13.00	48.99	199	117	Vertical
6	17275.4500	31.46	-35.16	38.70	-60.25	-13.00	47.25	154	25	Vertical

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Test Band = UL MIMO N77_ TM1
Test Channel = High 3700-3980

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	45.49	-43.06	36.11	-56.72	-13.00	43.72	285	132	Horizontal
2	8411.3	44.54	-41.42	37.35	-54.78	-13.00	41.78	142	23	Horizontal
3	9437.1	40.86	-39.93	38.48	-55.85	-13.00	42.85	136	132	Horizontal
4	10515.2700	31.45	-38.64	38.98	-63.48	-13.00	50.48	266	208	Horizontal
5	14020.3600	27.23	-35.04	40.15	-62.92	-13.00	49.92	154	163	Horizontal
6	17525.4500	31.01	-33.81	39.28	-58.78	-13.00	45.78	196	301	Horizontal

Test Band = UL MIMO N77_ TM1
Test Channel = High 3700-3980

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	45.65	-43.06	36.11	-56.56	-13.00	43.56	256	12	Vertical
2	8438.325	43.78	-41.53	37.41	-55.60	-13.00	42.60	142	1	Vertical
3	9448.025	40.24	-39.94	38.48	-56.48	-13.00	43.48	133	300	Vertical
4	10515.2700	32.47	-38.64	38.98	-62.46	-13.00	49.46	199	357	Vertical
5	14020.3600	27.55	-35.04	40.15	-62.60	-13.00	49.60	176	98	Vertical
6	17525.4500	28.81	-33.81	39.28	-60.98	-13.00	47.98	142	38	Vertical

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Test Band = 5G NR NSA 41A-N77A_ TM1
Test Channel = Low 3700-3980 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	7310.1800	44.98	-43.27	36.54	-57.01	-13.00	44.01	296	210	Horizontal
2	8404.4	45.01	-41.39	37.34	-54.30	-13.00	41.30	145	72	Horizontal
3	9487.125	41.61	-39.95	38.47	-55.14	-13.00	42.14	126	13	Horizontal
4	10965.2700	30.59	-37.67	39.10	-63.24	-13.00	50.24	266	286	Horizontal
5	12048.75	35.37	-37.18	39.01	-58.07	-13.00	45.07	154	177	Horizontal
6	14620.3600	29.68	-35.23	39.91	-60.90	-13.00	47.90	175	132	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	7310.1800	44.49	-43.27	36.54	-57.50	-13.00	44.50	299	150	Vertical
2	8411.3	45.19	-41.42	37.35	-54.13	-13.00	41.13	254	73	Vertical
3	10021.875	38.06	-39.23	38.53	-57.91	-13.00	44.91	126	59	Vertical
4	10965.2700	30.35	-37.67	39.10	-63.48	-13.00	50.48	142	104	Vertical
5	12880.775	34.08	-36.82	39.71	-58.29	-13.00	45.29	132	242	Vertical
6	14620.3600	29.49	-35.23	39.91	-61.09	-13.00	48.09	133	87	Vertical

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Test Band = 5G NR NSA 41A-N77A_ TM1
Test Channel = Mid 3700-3980 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	7590.1800	44.56	-42.78	36.39	-57.09	-13.00	44.09	255	288	Horizontal
2	8412.45	44.95	-41.42	37.36	-54.38	-13.00	41.38	142	242	Horizontal
3	9569.925	41.11	-39.43	38.45	-55.13	-13.00	42.13	163	332	Horizontal
4	11835.2700	29.67	-37.25	38.79	-64.05	-13.00	51.05	266	302	Horizontal
5	13867.475	34.16	-35.79	40.02	-56.87	-13.00	43.87	291	358	Horizontal
6	15180.3600	30.60	-33.90	38.98	-59.58	-13.00	46.58	145	0	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	7590.1800	44.75	-42.78	36.39	-56.90	-13.00	43.90	288	193	Vertical
2	8404.4	45.24	-41.39	37.34	-54.07	-13.00	41.07	149	2	Vertical
3	9451.475	42.55	-39.94	38.48	-54.17	-13.00	41.17	174	0	Vertical
4	11835.2700	29.84	-37.25	38.79	-63.88	-13.00	50.88	152	282	Vertical
5	13653	32.81	-36.01	40.10	-58.36	-13.00	45.36	136	224	Vertical
6	15180.3600	29.88	-33.90	38.98	-60.30	-13.00	47.30	261	55	Vertical

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Test Band = 5G NR NSA 41A-N77A_ TM1
Test Channel = High 3700-3980 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	7870.1800	42.87	-42.69	36.86	-58.22	-13.00	45.22	245	15	Horizontal
2	8406.7	45.15	-41.40	37.34	-54.16	-13.00	41.16	126	150	Horizontal
3	9481.375	41.42	-39.95	38.47	-55.32	-13.00	42.32	266	316	Horizontal
4	11805.2700	28.77	-37.21	38.76	-64.94	-13.00	51.94	215	1	Horizontal
5	13738.1	33.51	-36.09	40.02	-57.82	-13.00	44.82	196	15	Horizontal
6	15740.3600	29.64	-33.18	38.27	-60.53	-13.00	47.53	145	59	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	7870.1800	44.01	-42.69	36.86	-57.08	-13.00	44.08	152	73	Vertical
2	8430.275	45.55	-41.50	37.39	-53.82	-13.00	40.82	142	225	Vertical
3	10044.875	37.66	-39.07	38.56	-58.11	-13.00	45.11	166	25	Vertical
4	11805.2700	30.44	-37.21	38.76	-63.27	-13.00	50.27	299	133	Vertical
5	13859.425	32.77	-35.85	40.01	-58.32	-13.00	45.32	215	266	Vertical
6	15740.3600	29.02	-33.18	38.27	-61.15	-13.00	48.15	174	316	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
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	9.100000	0.002370	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	25.200000	0.006563	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	12.900000	0.003359	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	8.900000	0.002318	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	14.600000	0.003802	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	13.900000	0.003620	PASS

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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.200000	0.002396	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	7.400000	0.001927	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	13.300000	0.003464	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	14.600000	0.003802	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	15.200000	0.003958	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	7.500000	0.001953	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	11.700000	0.003047	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	16.000000	0.004167	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	12.800000	0.003333	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	13.900000	0.003620	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	6.800000	0.001771	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	9.200000	0.002396	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	5.300000	0.001380	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	3.500000	0.000911	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	15.800000	0.004115	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	12.200000	0.003177	PASS

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N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	6.200000	0.001615	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	13.700000	0.003568	PASS

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