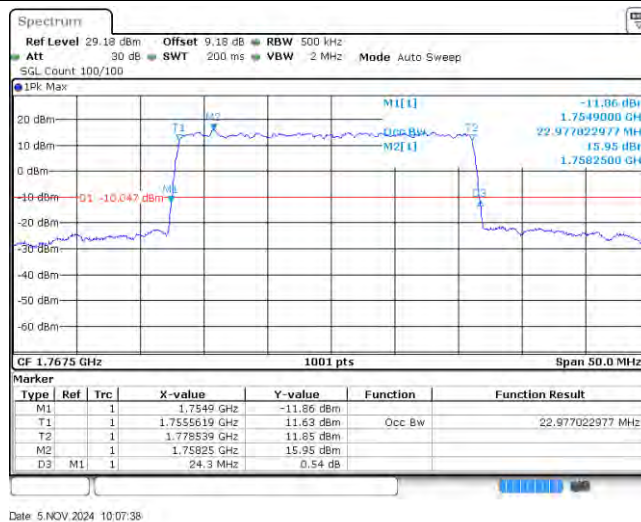
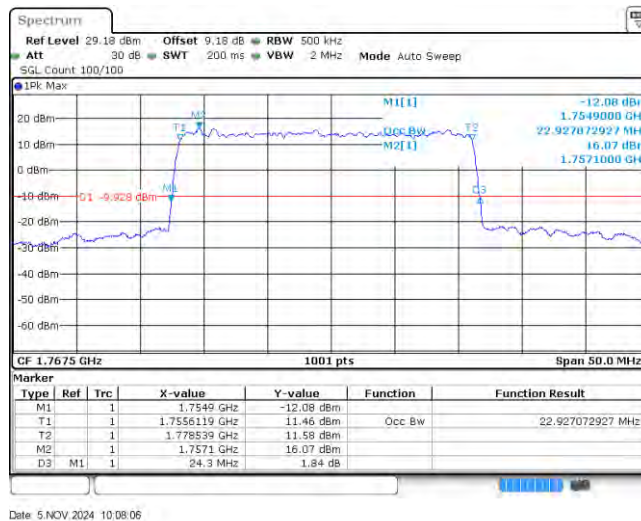
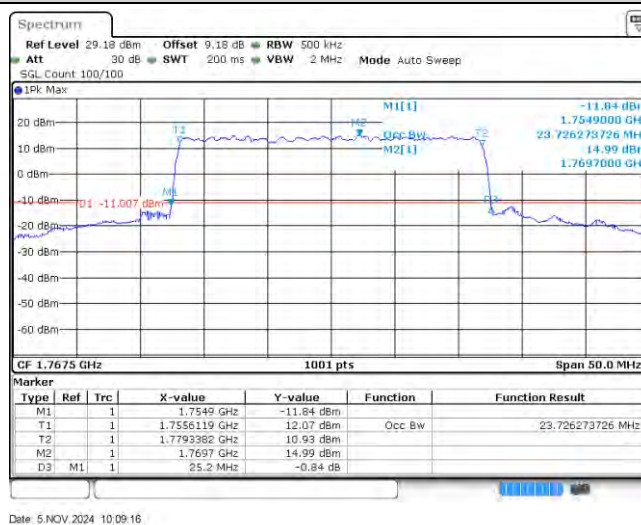




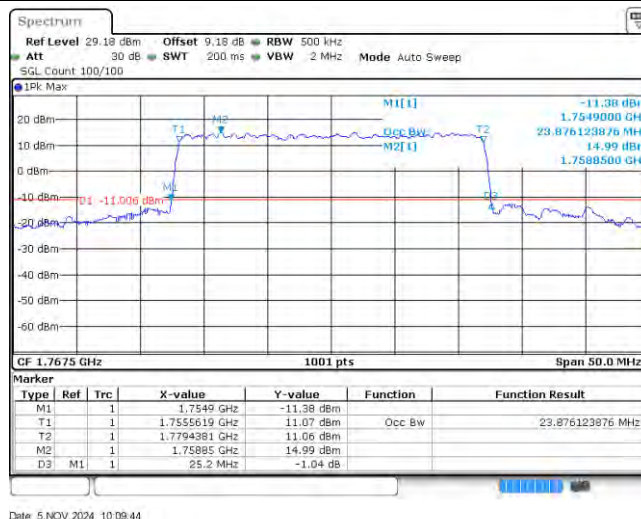
1-N66-PC3-15-25-H-4-DFT-64QAM-Outer_Full-128@0-Ant4-22.977-24.300-≤25-PASS



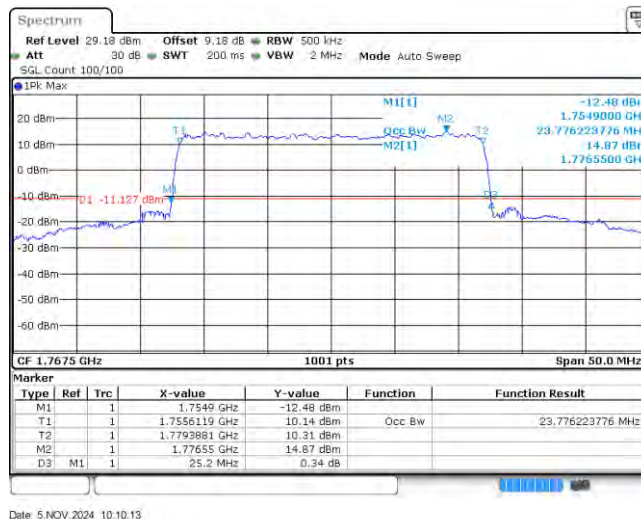
1-N66-PC3-15-25-H-5-DFT-256QAM-Outer_Full-128@0-Ant4-22.927-24.300-≤25-PASS



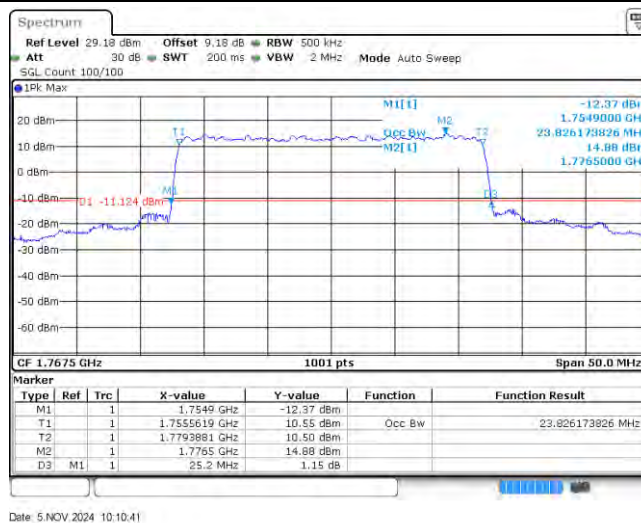
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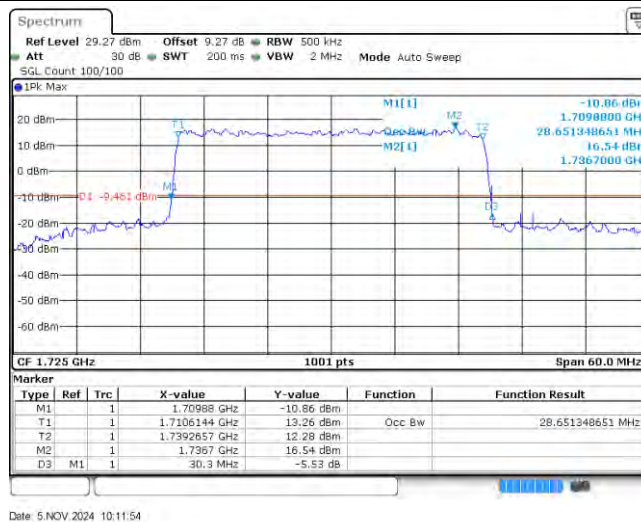
1-N66-PC3-15-25-H-7-CP-16QAM-Outer_Full-133@0-Ant4-23.876-25.200-≤25-PASS



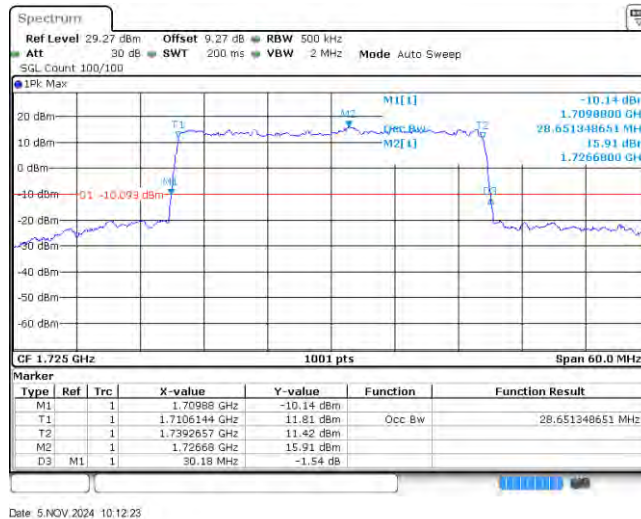
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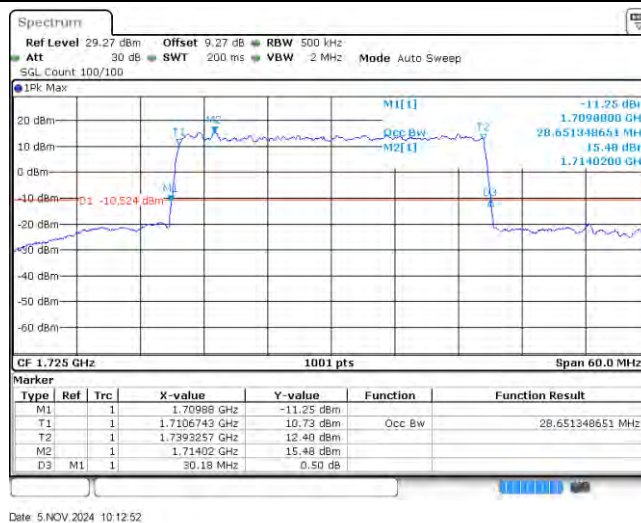
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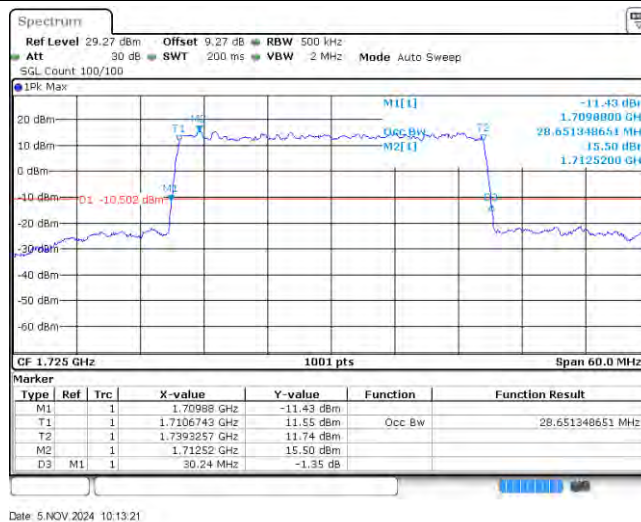
1-N66-PC3-15-30-L-1-DFT-QPSK-Outer_Full-160@0-Ant4-28.651-30.300-≤30-PASS



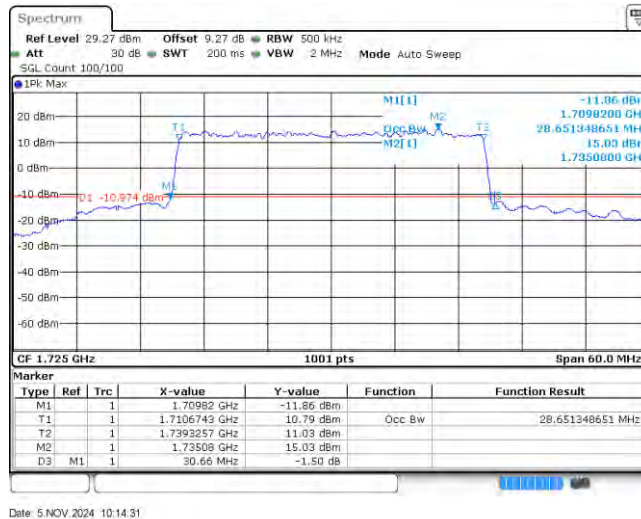
1-N66-PC3-15-30-L-3-DFT-16QAM-Outer_Full-160@0-Ant4-28.651-30.180-≤30-PASS



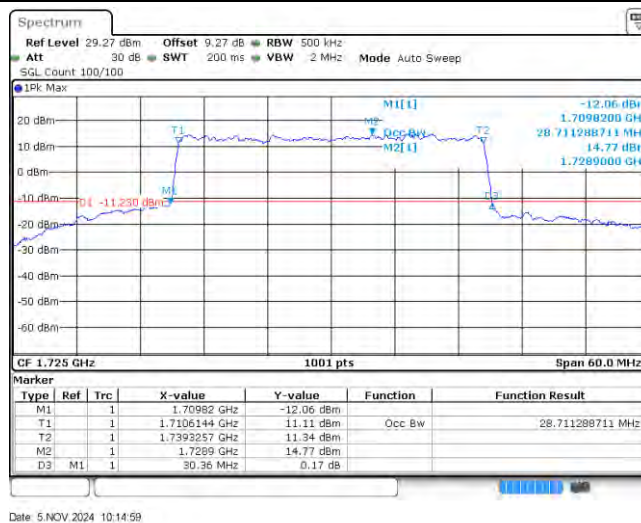
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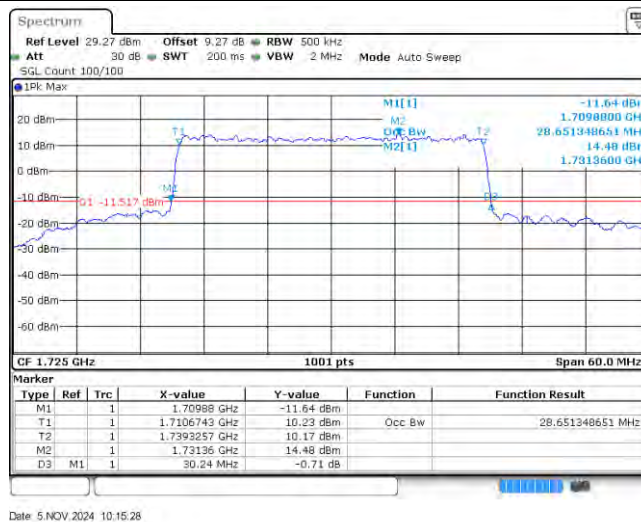
1-N66-PC3-15-30-L-5-DFT-256QAM-Outer_Full-160@0-Ant4-28.651-30.240-≤30-PASS



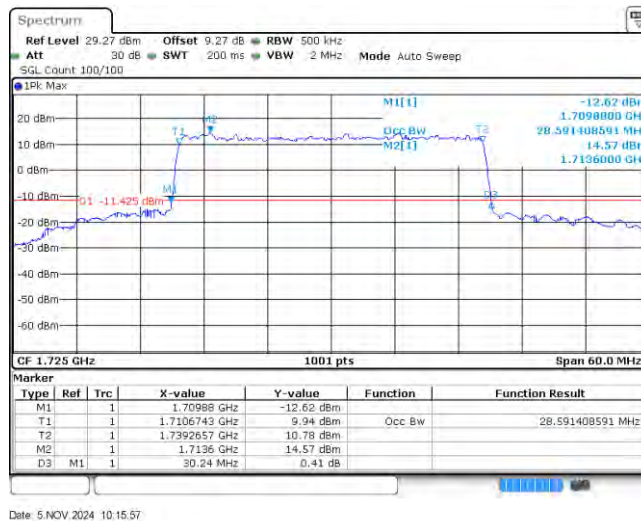
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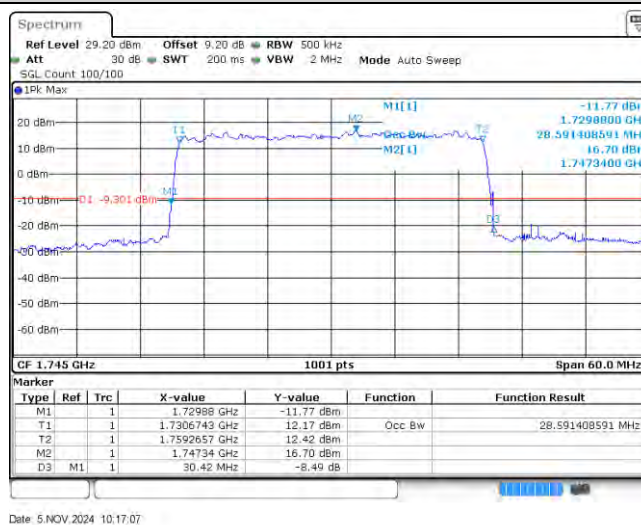
1-N66-PC3-15-30-L-7-CP-16QAM-Outer_Full-160@0-Ant4-28.711-30.360-≤30-PASS



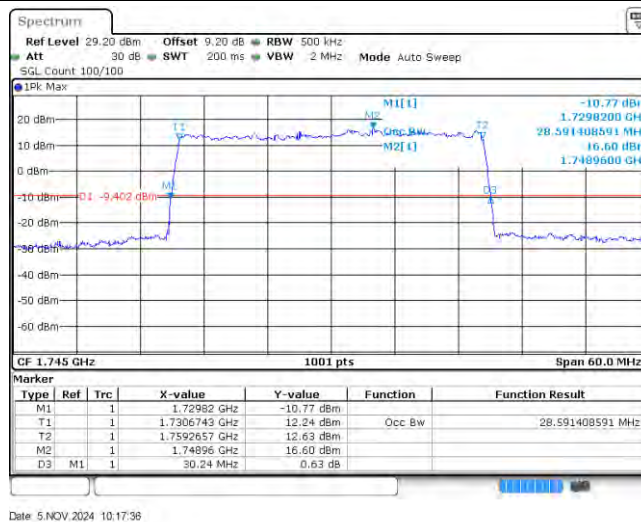
1-N66-PC3-15-30-L-8-CP-64QAM-Outer Full-160@0-Ant4-28.651-30.240-≤30-PASS



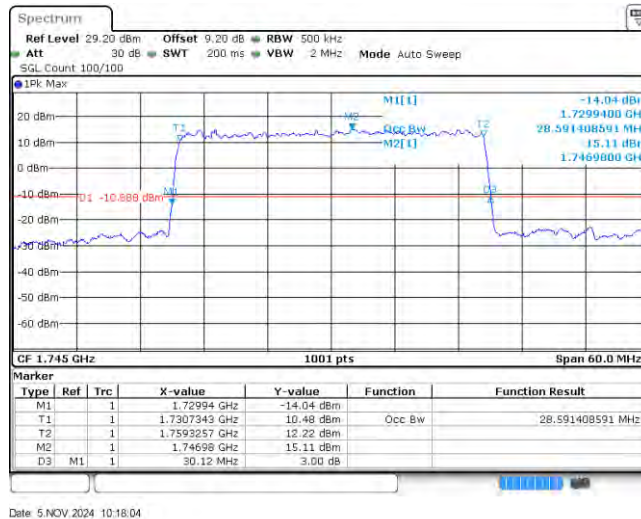
1-N66-PC3-15-30-L-9-CP-256QAM-Outer_Full-160@0-Ant4-28.591-30.240-≤30-PASS



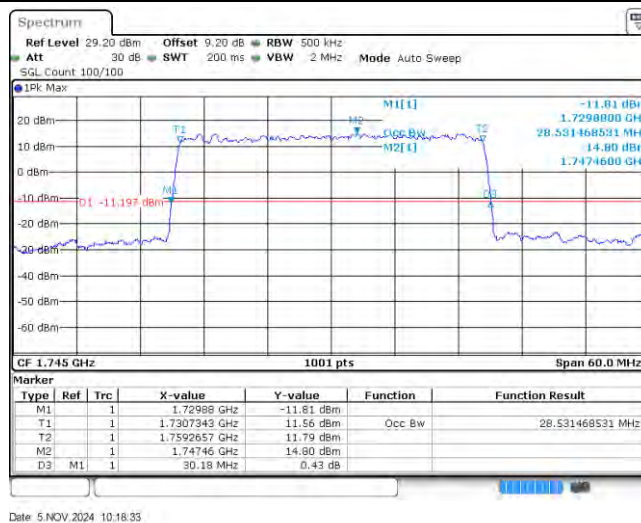
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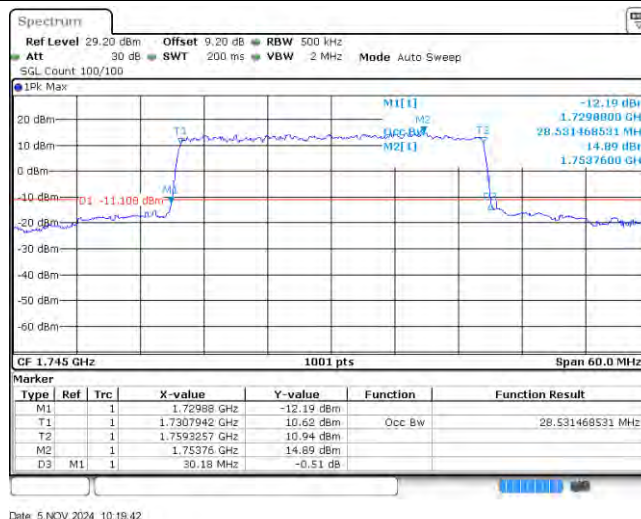
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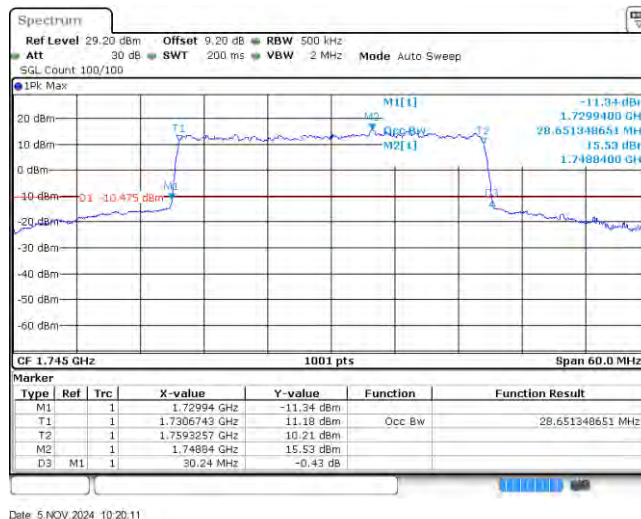
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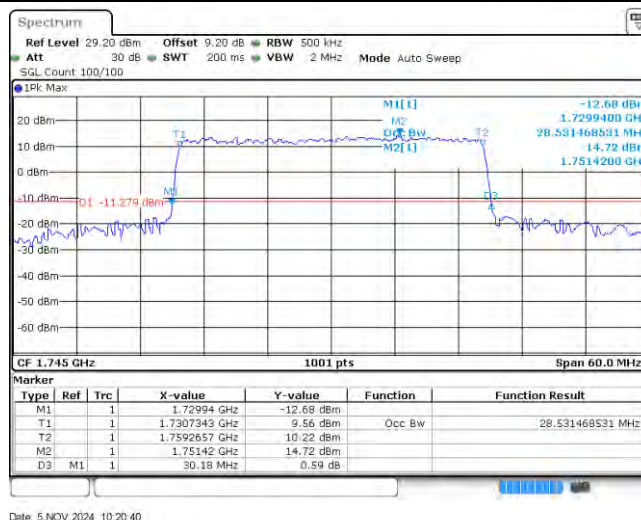
1-N66-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160@0-Ant4-28.531-30.180-≤30-PASS



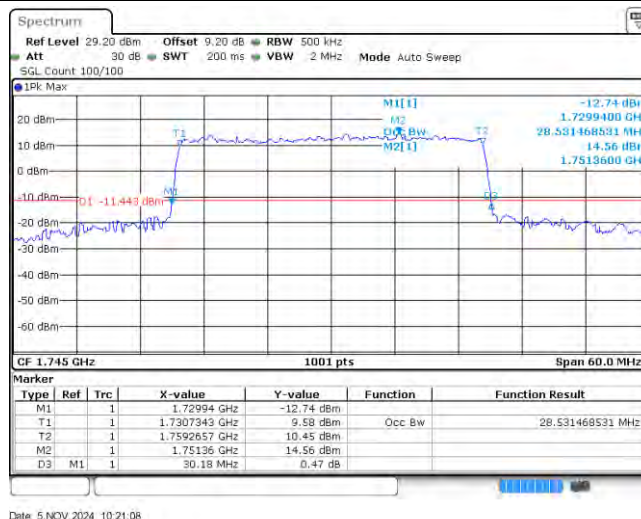
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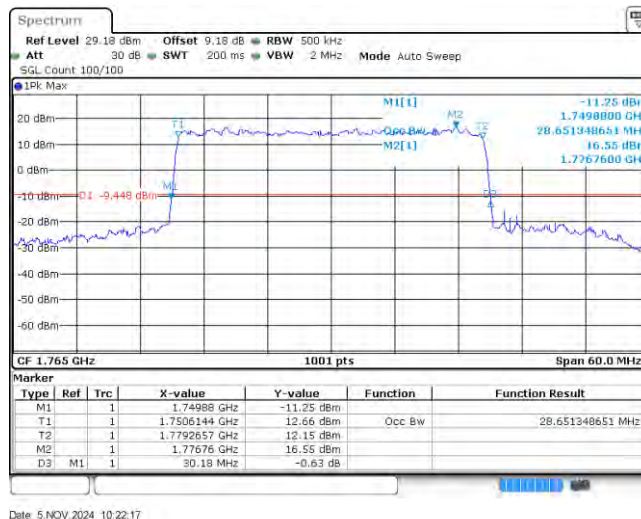
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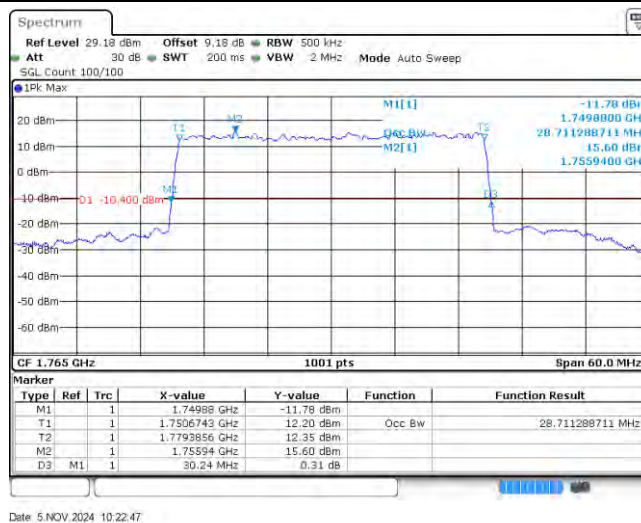
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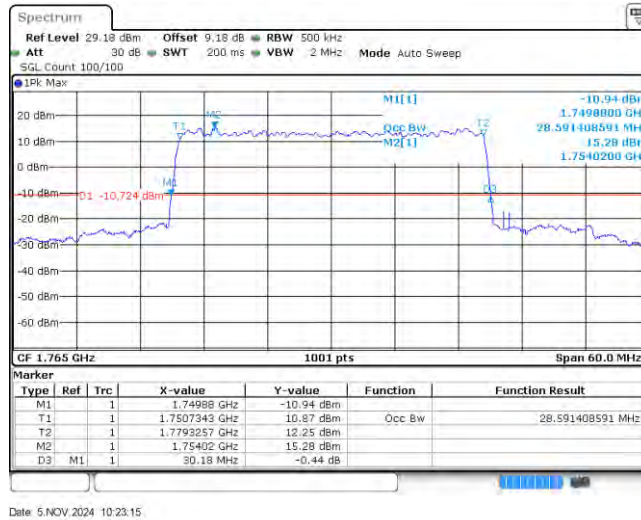
1-N66-PC3-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant4-28.531-30.180-≤30-PASS



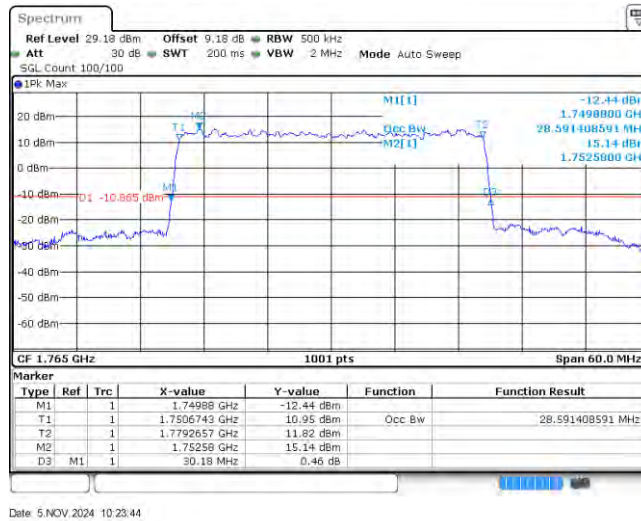
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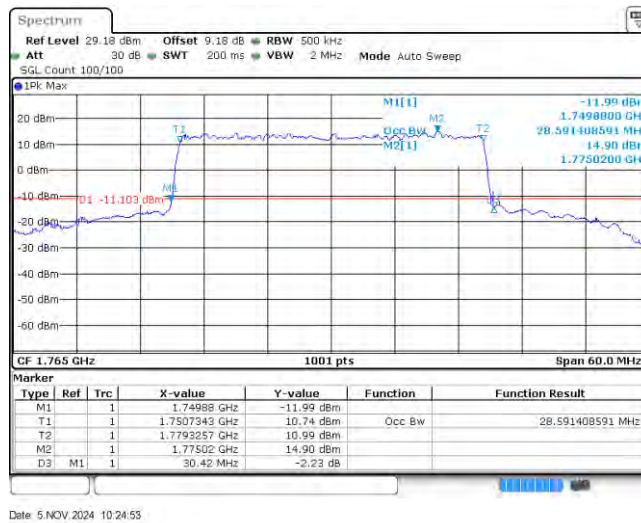
1-N66-PC3-15-30-H-3-DFT-16QAM-Outer_Full-160@0-Ant4-28.711-30.240-≤30-PASS



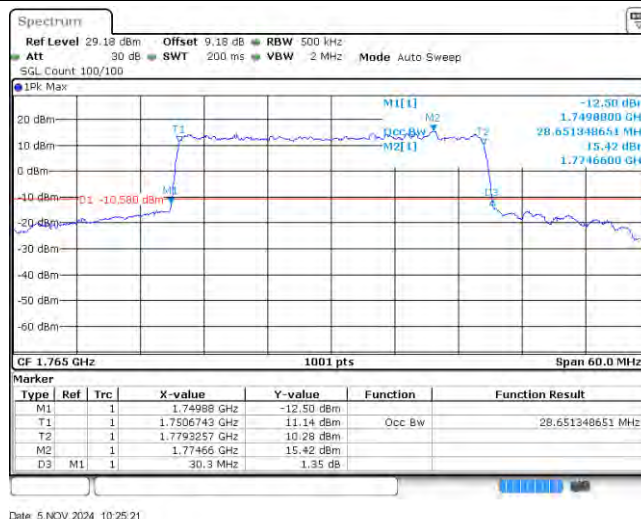
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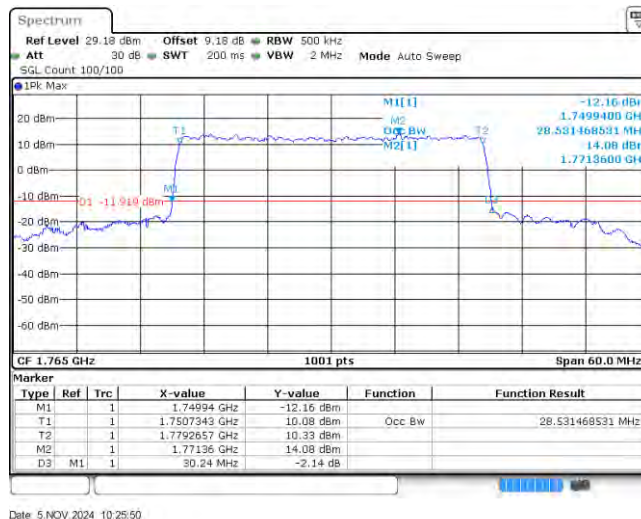
1-N66-PC3-15-30-H-5-DFT-256QAM-Outer_Full-160@0-Ant4-28.591-30.180-≤30-PASS



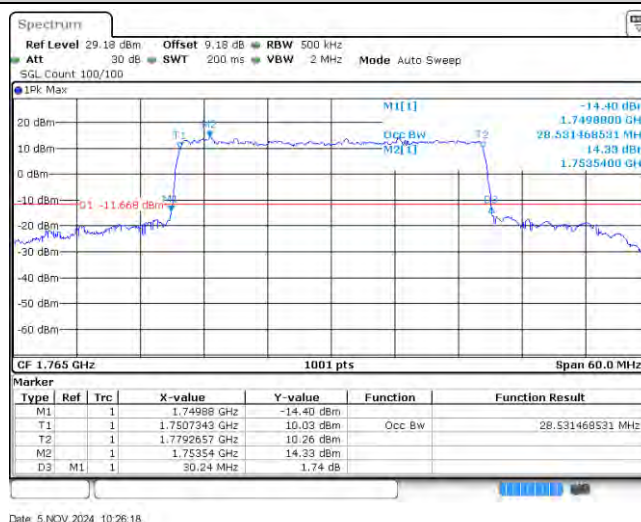
1-N66-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant4-28.591-30.420-≤30-PASS



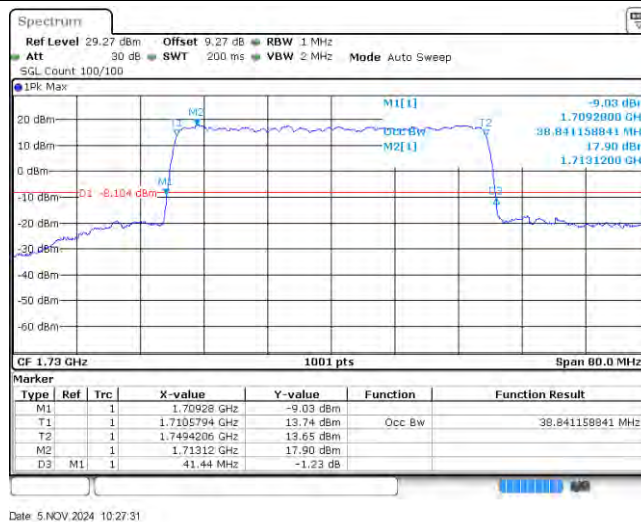
1-N66-PC3-15-30-H-7-CP-16QAM-Out_Full-160@0-Ant4-28.651-30.300-≤30-PASS



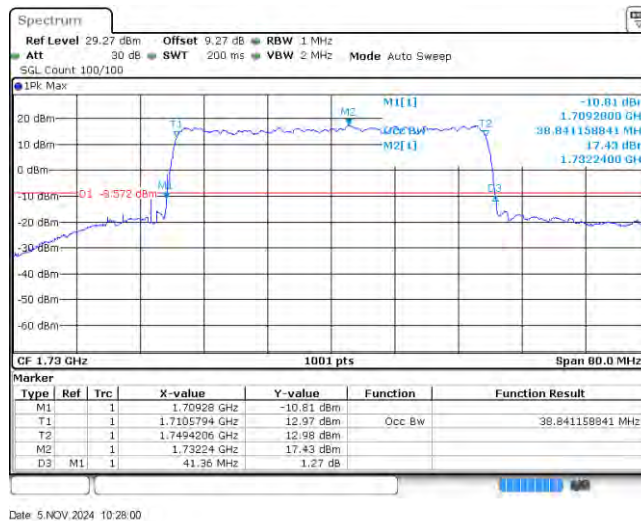
1-N66-PC3-15-30-H-8-CP-64QAM-Out_Full-160@0-Ant4-28.531-30.240-≤30-PASS



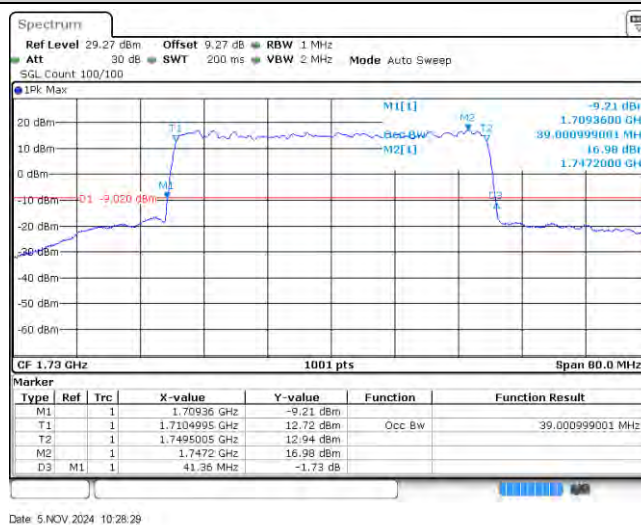
1-N66-PC3-15-30-H-9-CP-256QAM-Out_Full-160@0-Ant4-28.531-30.240-≤30-PASS



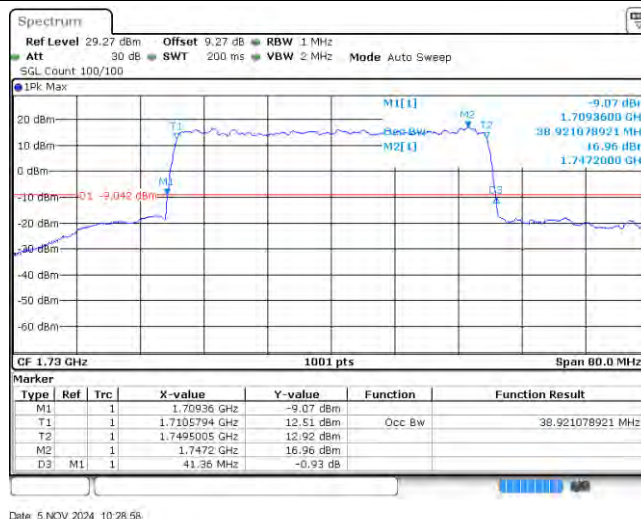
1-N66-PC3-15-40-L-1-DFT-QPSK-Outer_Full-216@0-Ant4-38.841-41.440-≤40-PASS



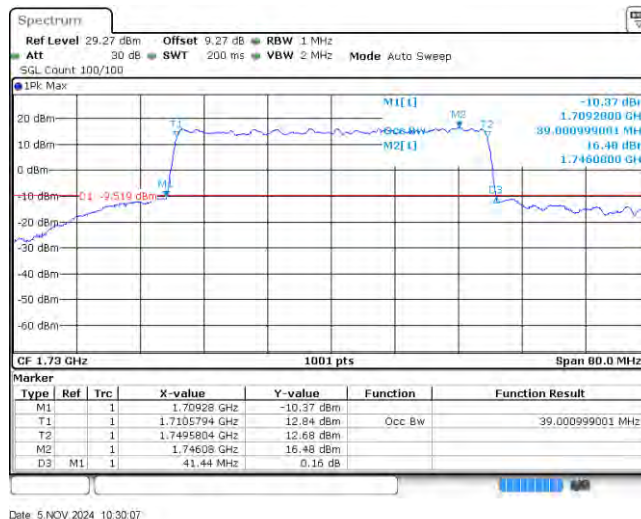
1-N66-PC3-15-40-L-3-DFT-16QAM-Outer_Full-216@0-Ant4-38.841-41.360-≤40-PASS



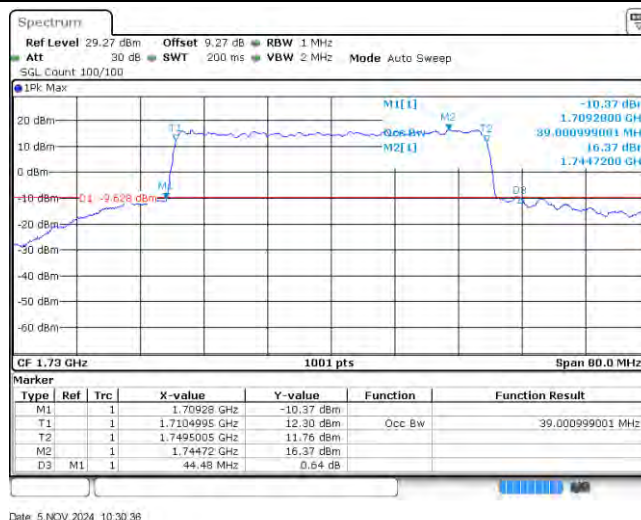
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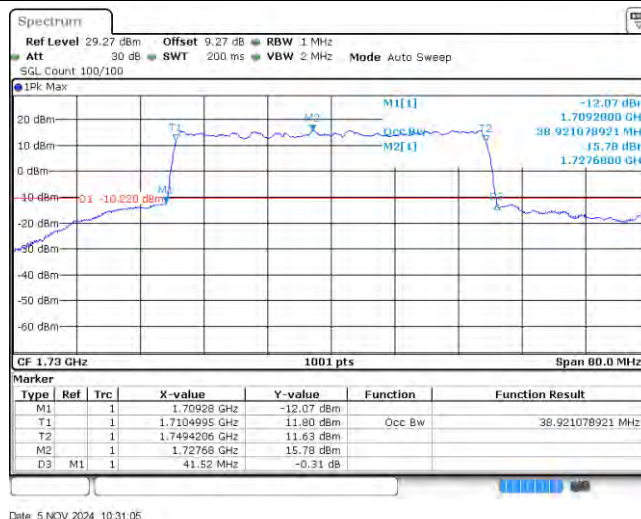
1-N66-PC3-15-40-L-5-DFT-256QAM-Outer_Full-216@0-Ant4-38.921-41.360-≤40-PASS



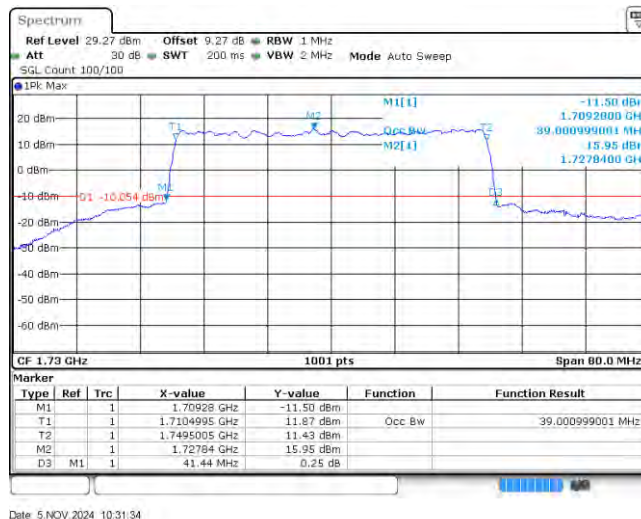
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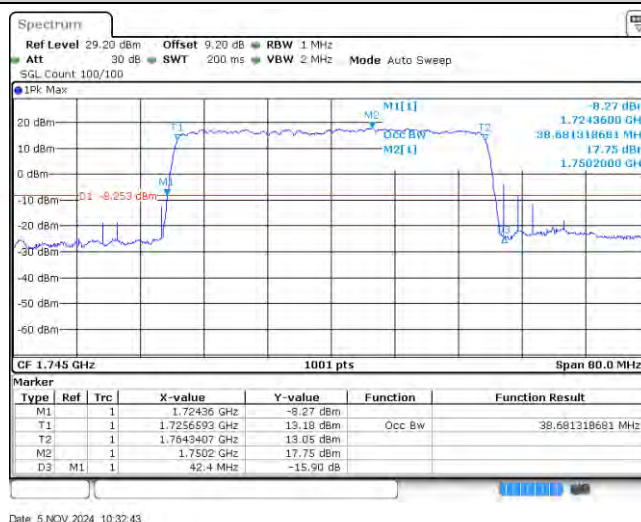
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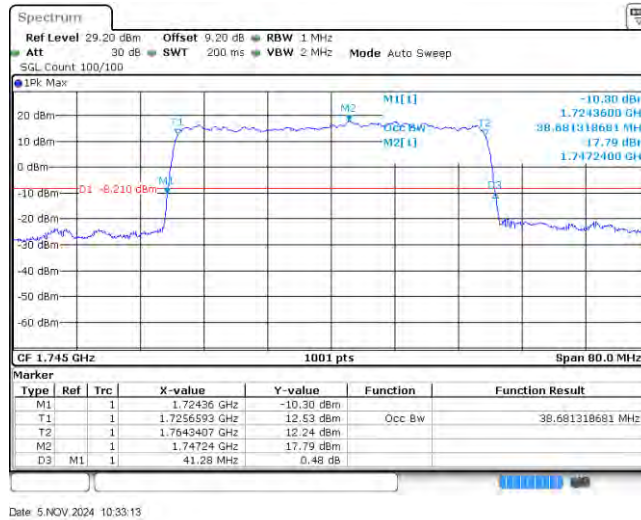
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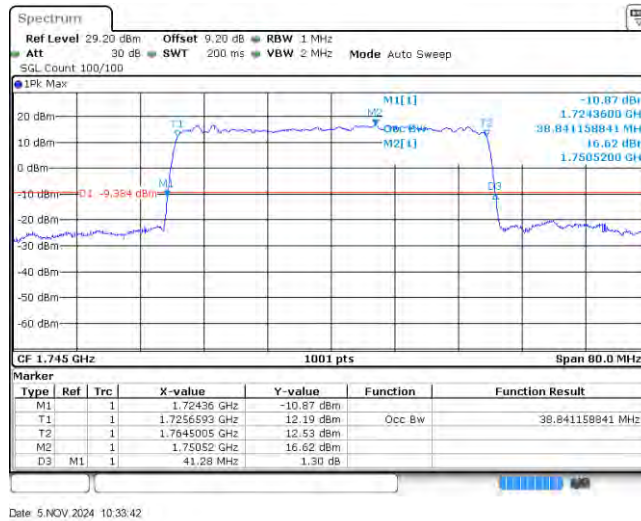
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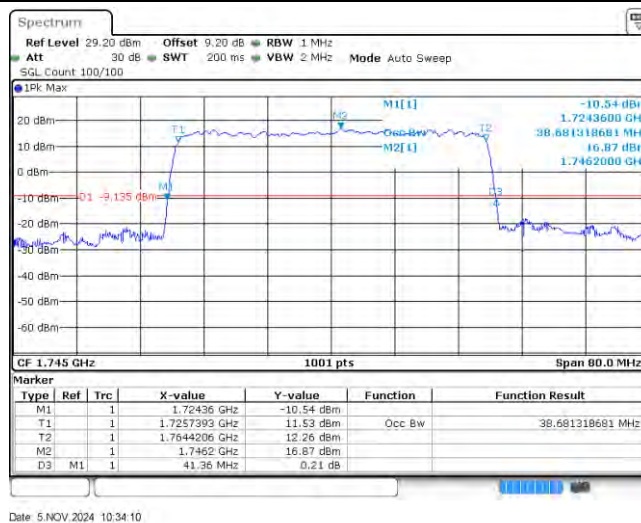
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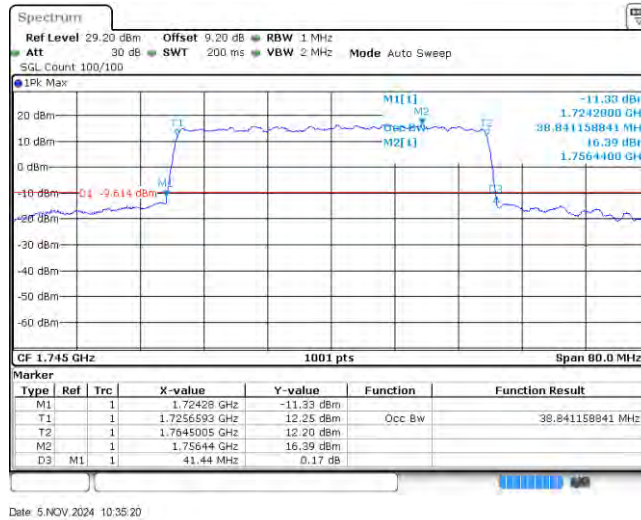
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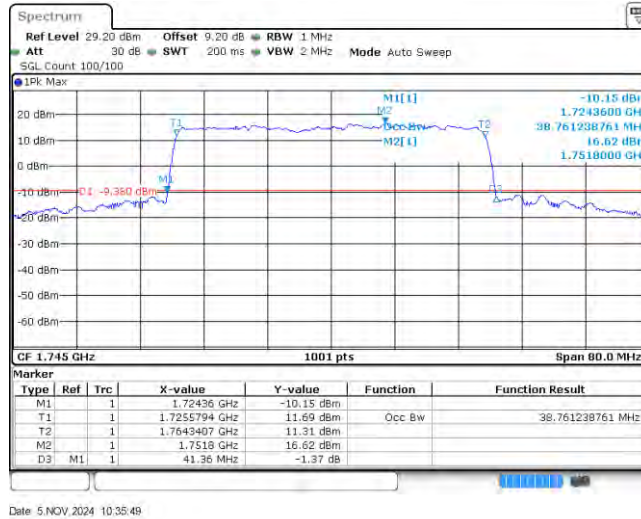
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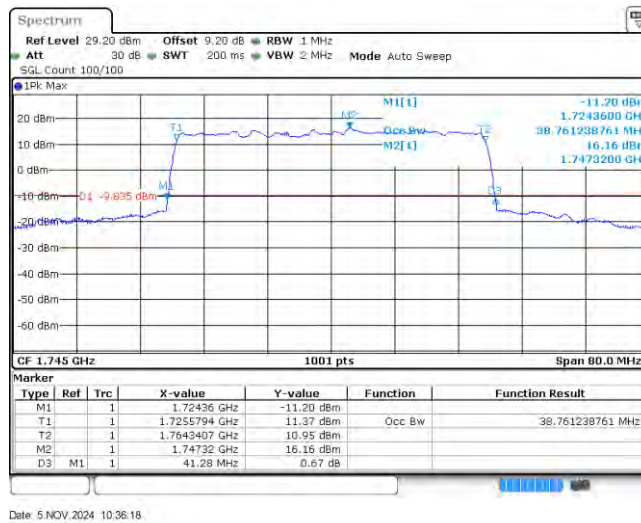
1-N66-PC3-15-40-M-5-DFT-256QAM-Outer_Full-216@0-Ant4-38.681-41.360-≤40-PASS



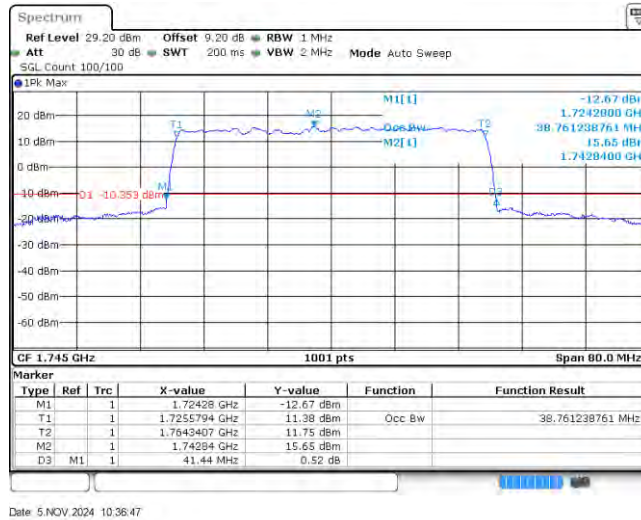
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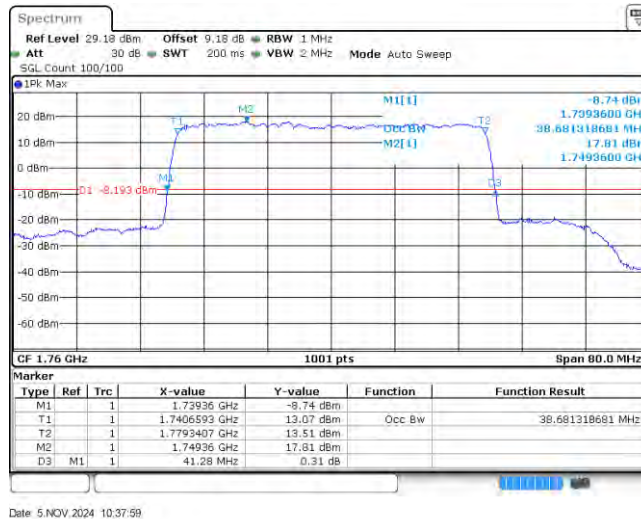
1-N66-PC3-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant4-38.761-41.360-≤40-PASS



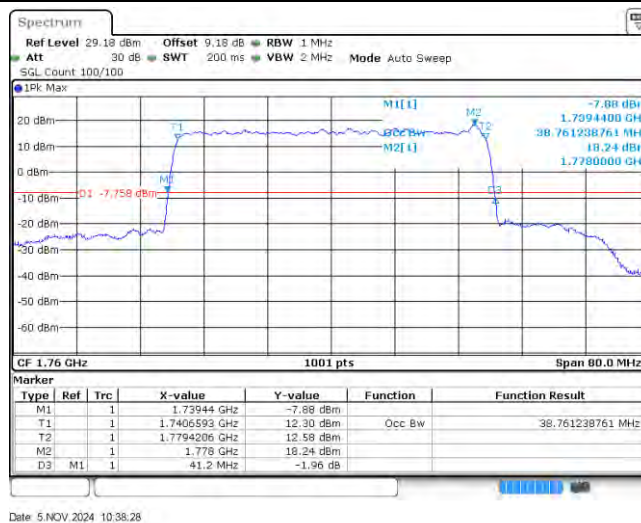
1-N66-PC3-15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant4-38.761-41.280-≤40-PASS



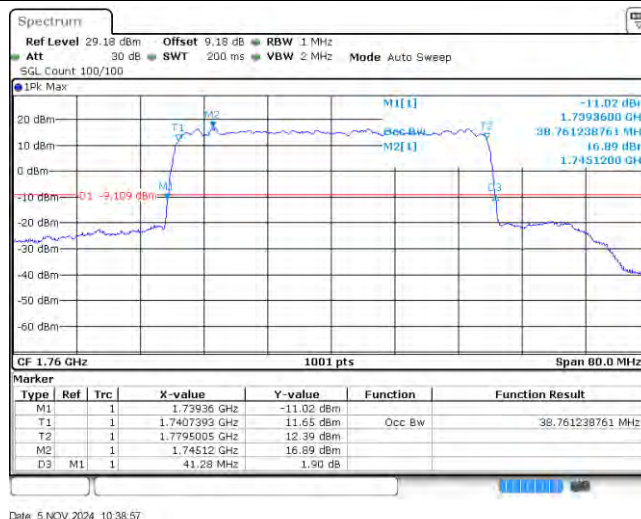
1-N66-PC3-15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant4-38.761-41.440-≤40-PASS



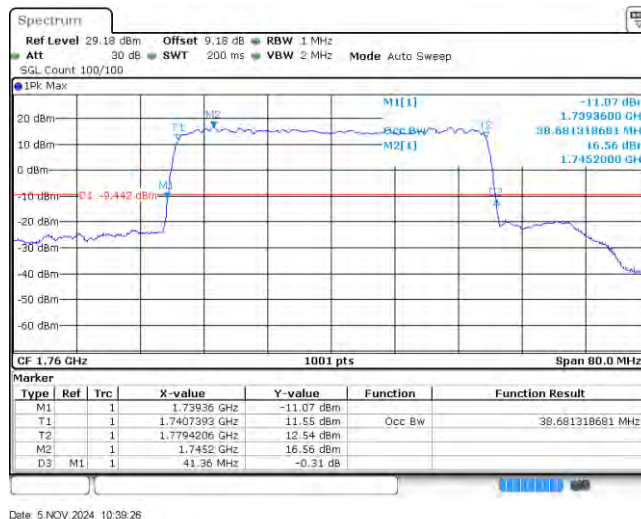
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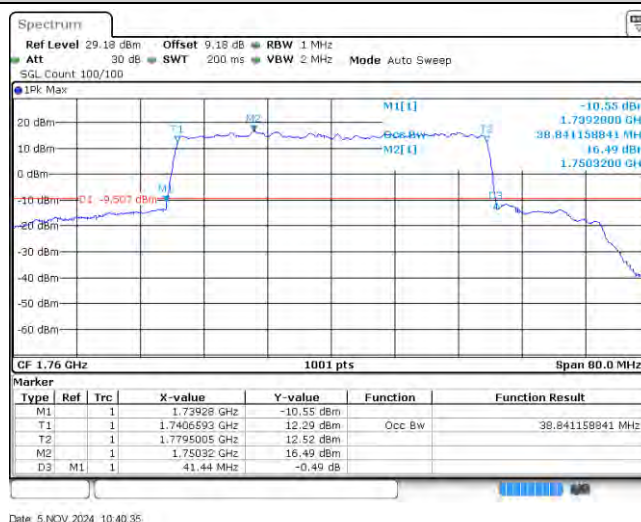
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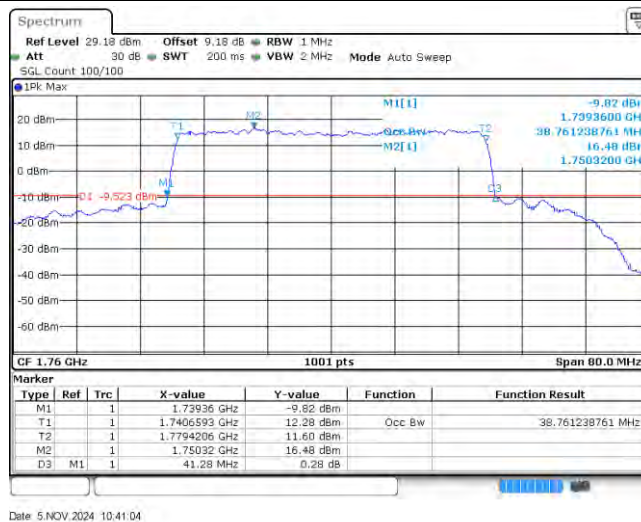
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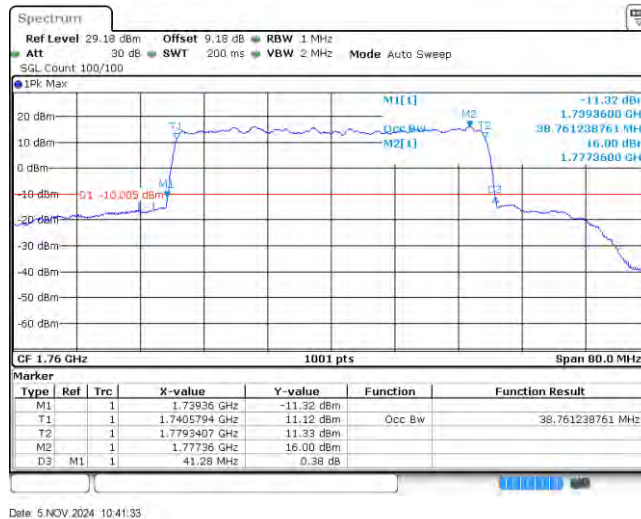
1-N66-PC3-15-40-H-5-DFT-256QAM-Outer_Full-216@0-Ant4-38.681-41.360-≤40-PASS



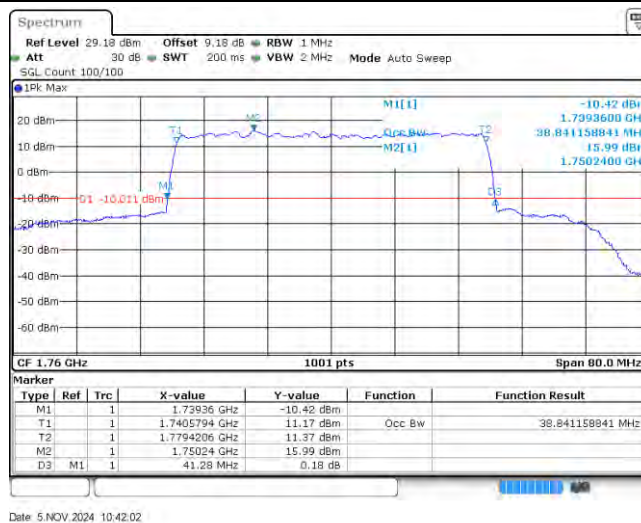
1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant4-38.841-41.440-≤40-PASS



1-N66-PC3-15-40-H-7-CP-16QAM-Outer_Full-216@0-Ant4-38.761-41.280-≤40-PASS



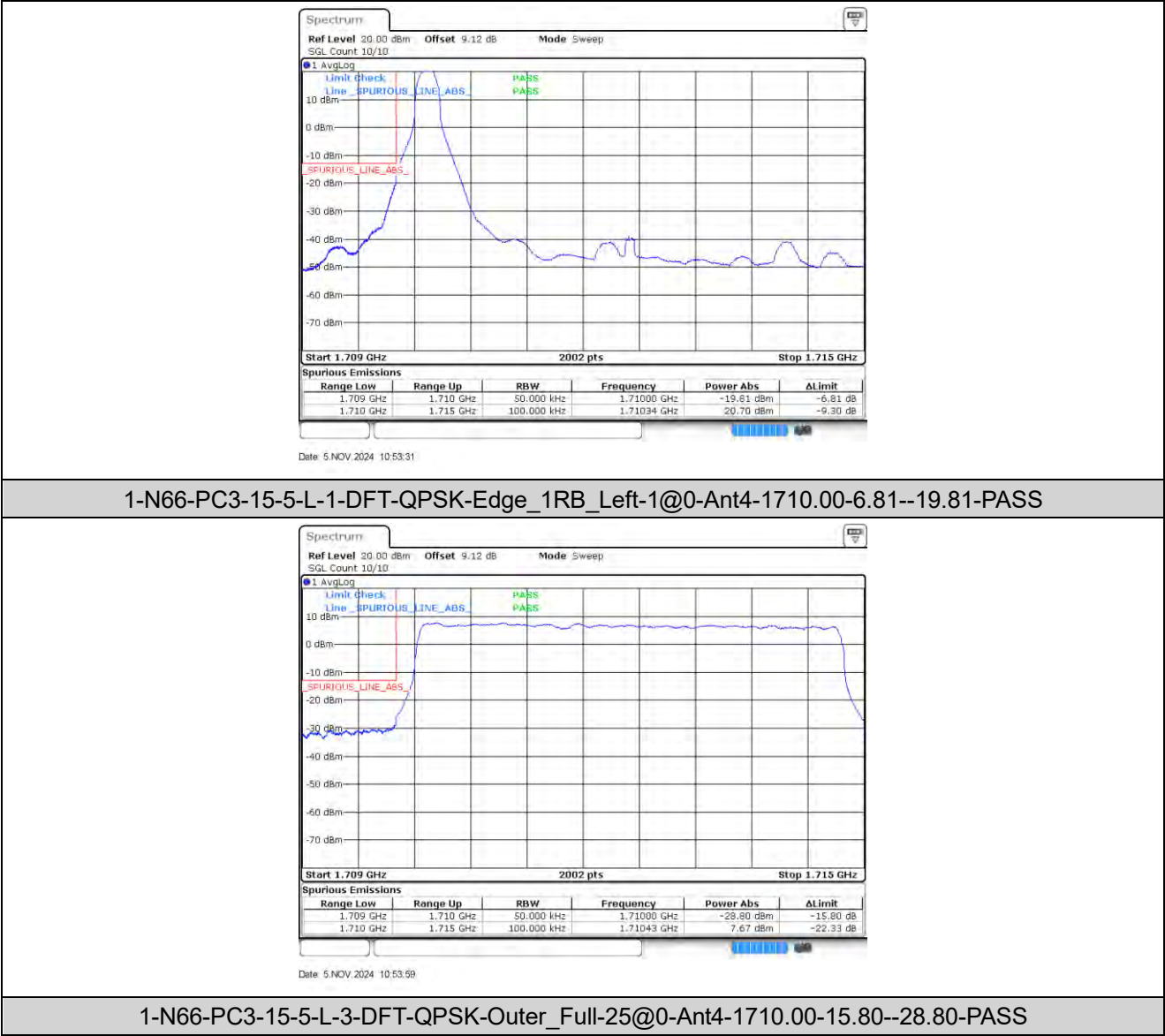
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1-N66-PC3-15-40-H-9-CP-256QAM-Outer_Full-216@0-Ant4-38.841-41.280-≤40-PASS

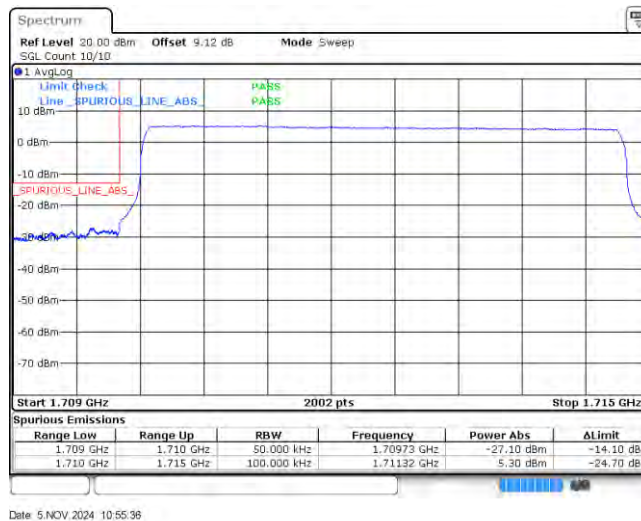
Band Edge for SA

Test Graphs

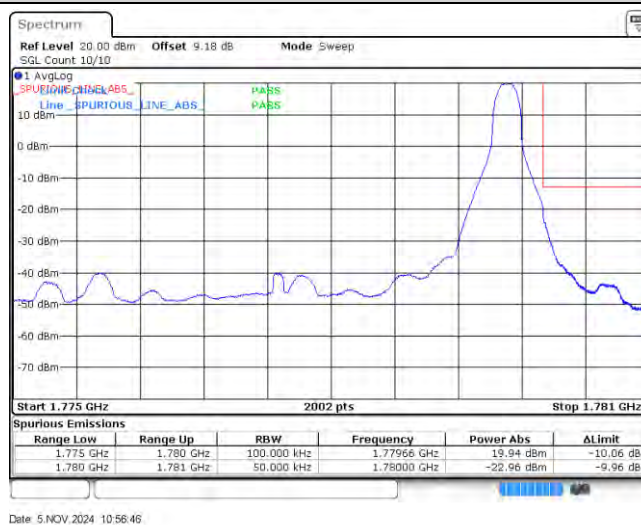




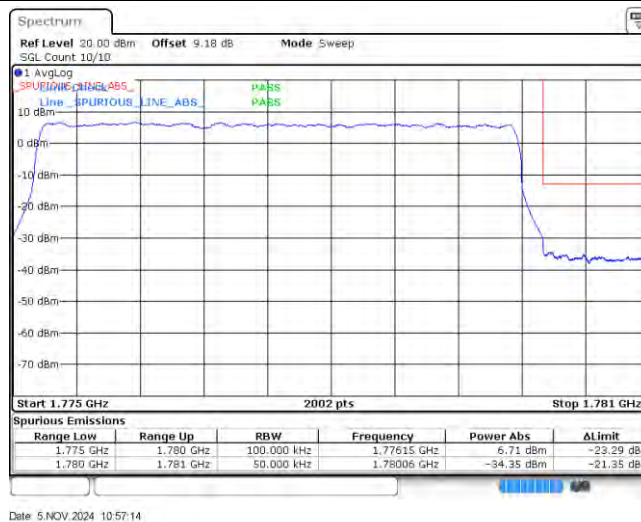
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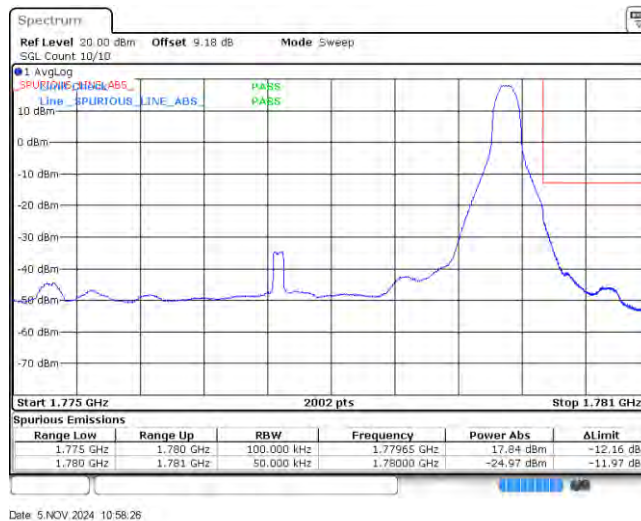
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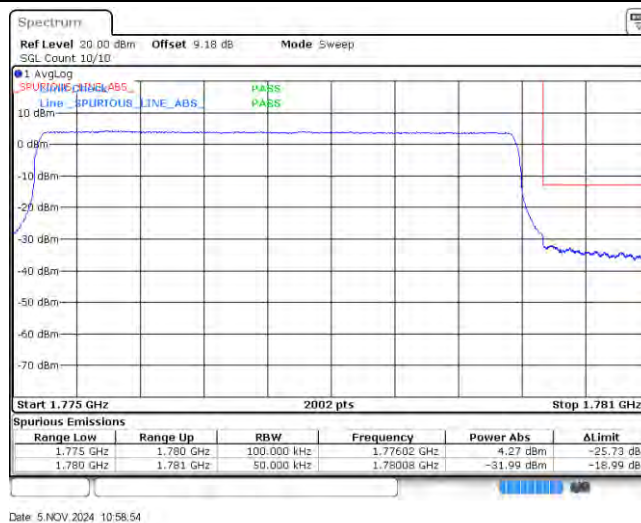
1-N66-PC3-15-5-H-2-DFT-QPSK-Edge_1RB_Right-1@24-Ant4-1780.00-9.96--22.96-PASS



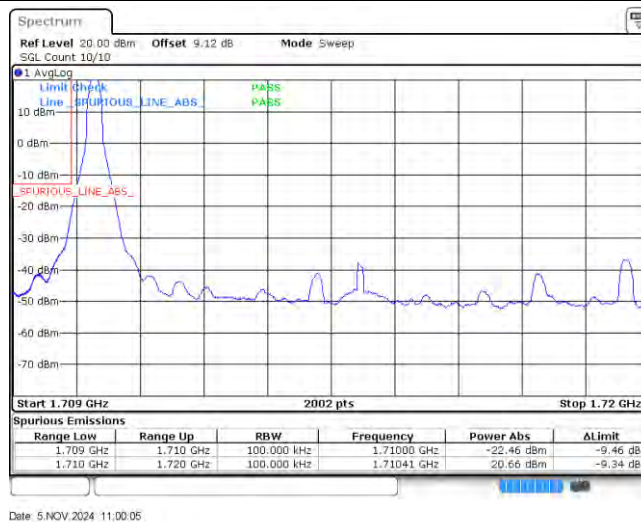
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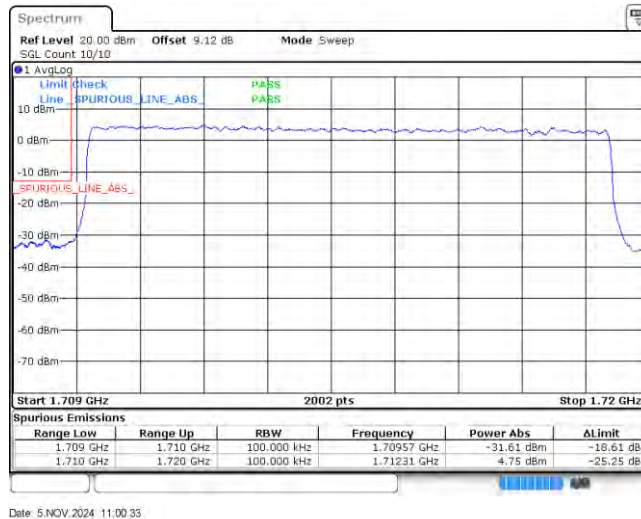
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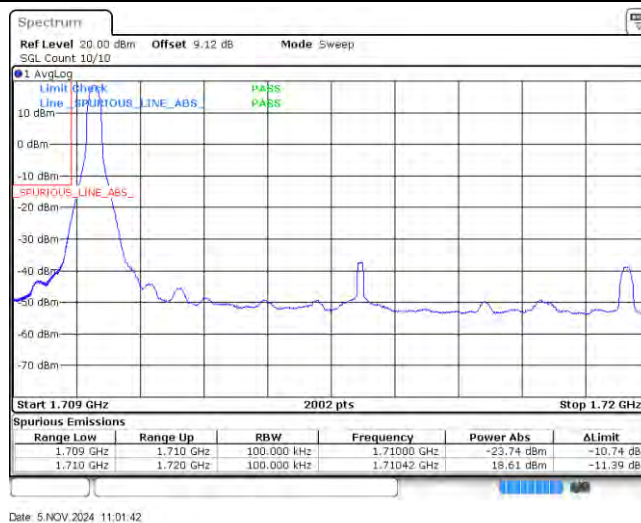
1-N66-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant4-1780.08-18.99--31.99-PASS



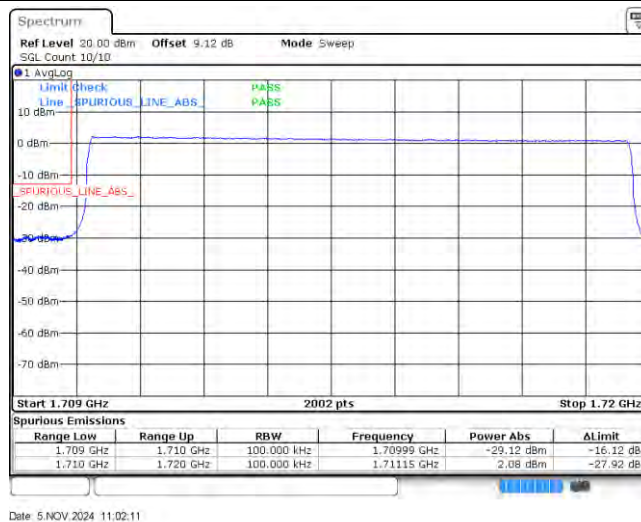
1-N66-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-1710.00-9.46--22.46-PASS



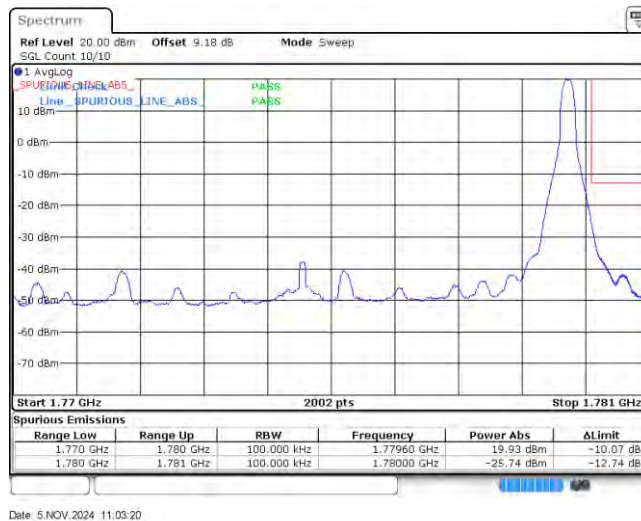
1-N66-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-Ant4-1709.57-18.61--31.61-PASS



1-N66-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1710.00-10.74--23.74-PASS



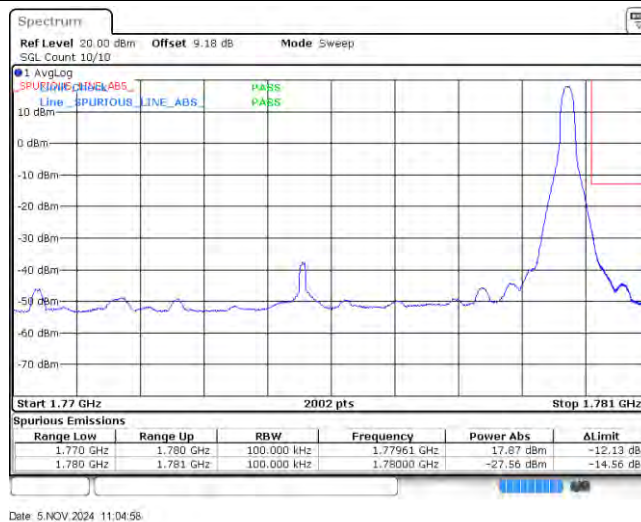
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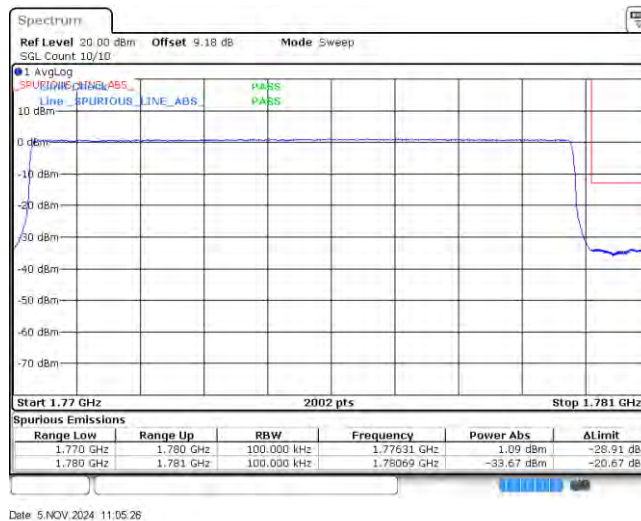
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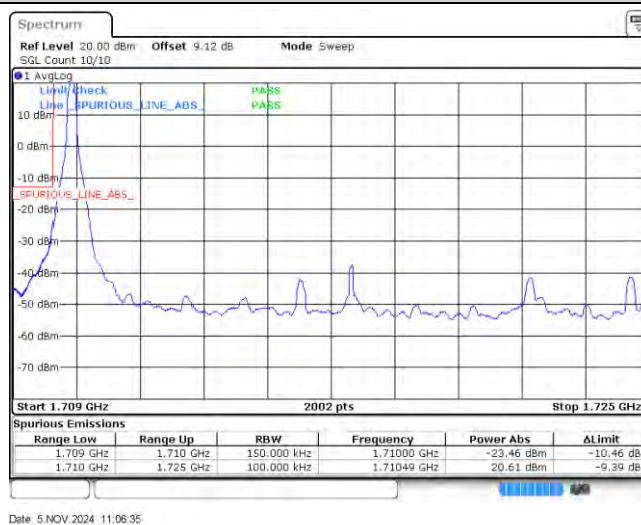
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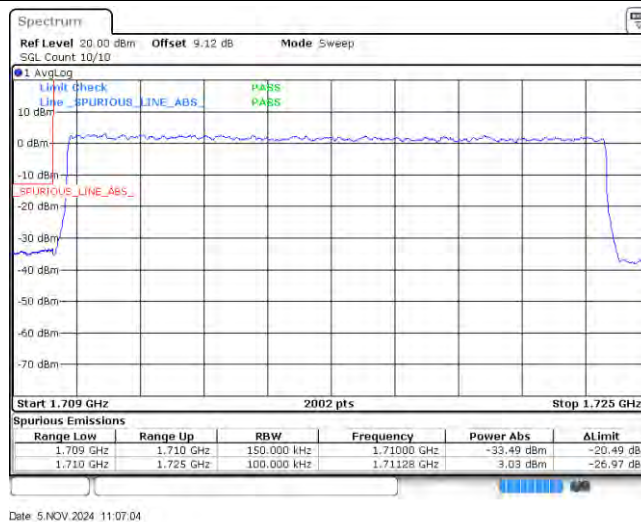
1-N66-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant4-1780.00-14.56--27.56-PASS



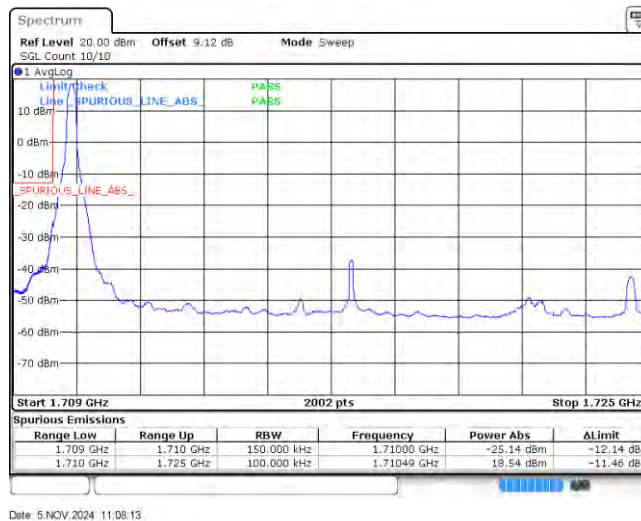
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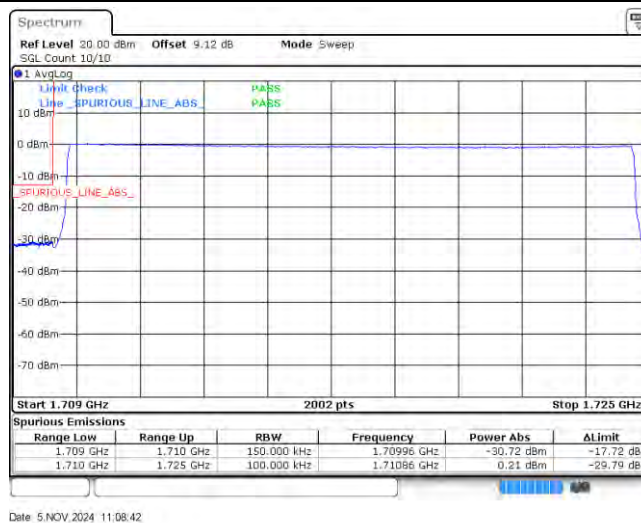
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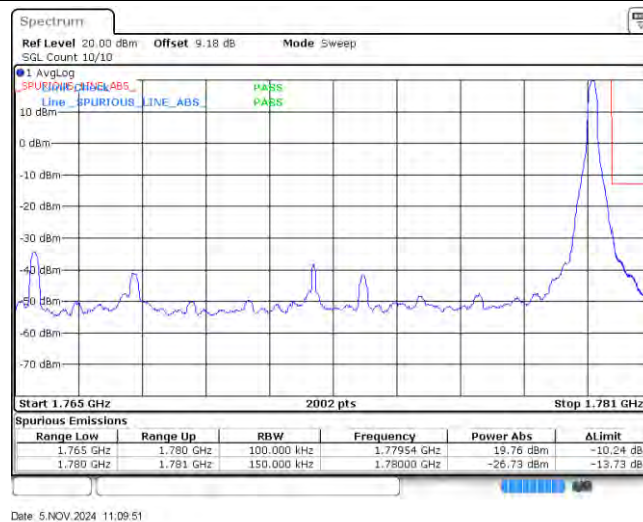
1-N66-PC3-15-15-L-3-DFT-QPSK-Outer_Full-75@0-Ant4-1710.00-20.49--33.49-PASS



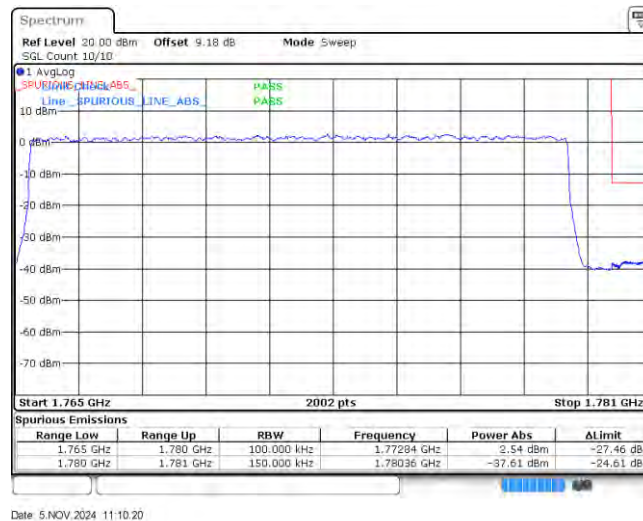
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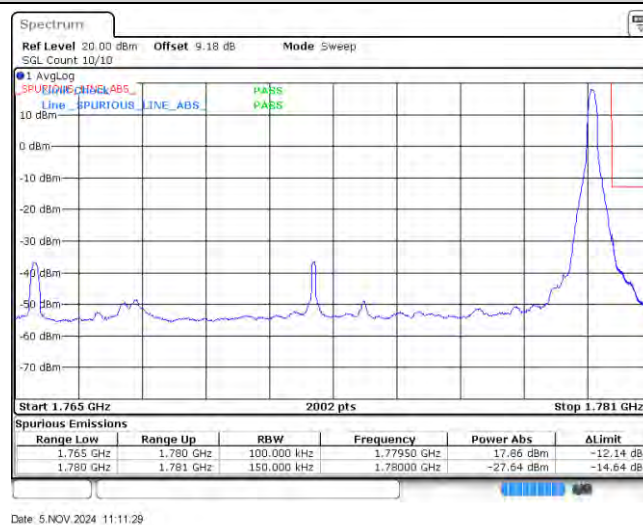
1-N66-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant4-1709.96-17.72--30.72-PASS



1-N66-PC3-15-15-H-2-DFT-QPSK-Edge_1RB_Right-1@78-Ant4-1780.00-13.73--26.73-PASS



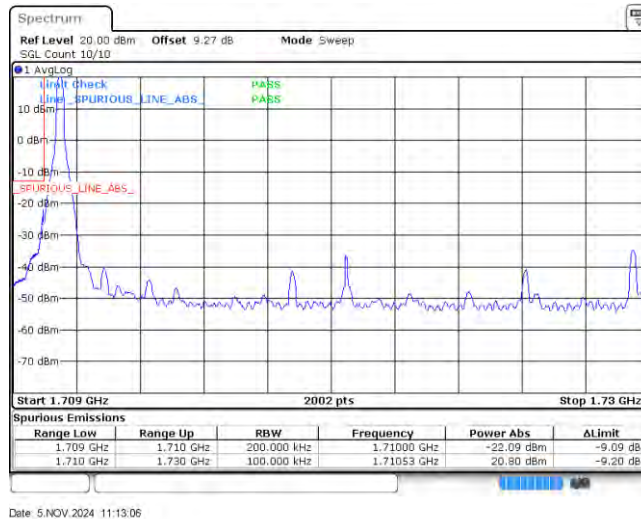
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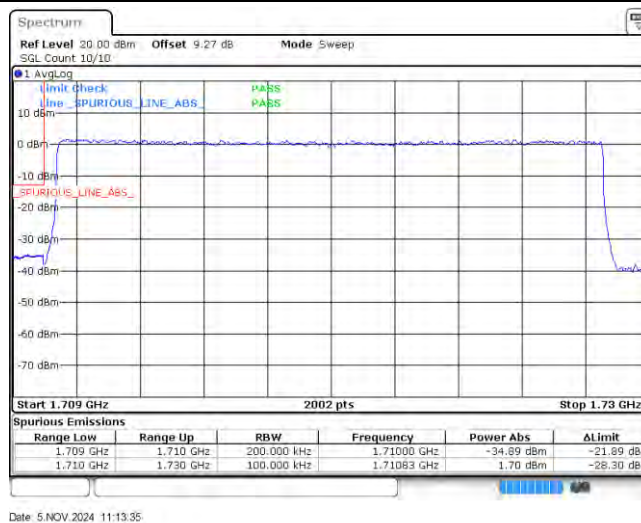
1-N66-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant4-1780.00-14.64--27.64-PASS



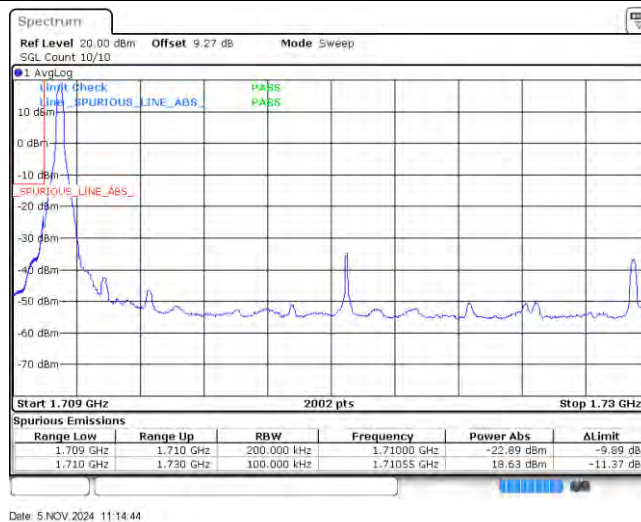
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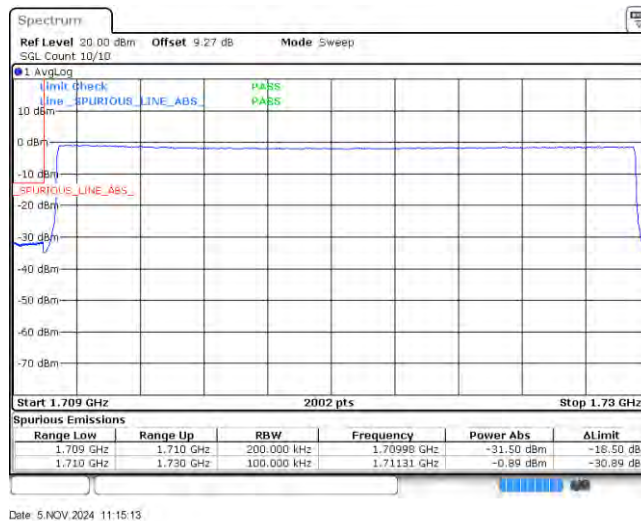
1-N66-PC3-15-20-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-1710.00-9.09--22.09-PASS



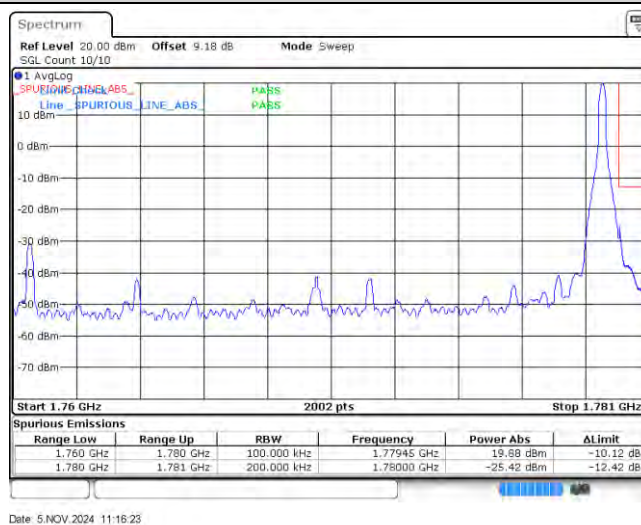
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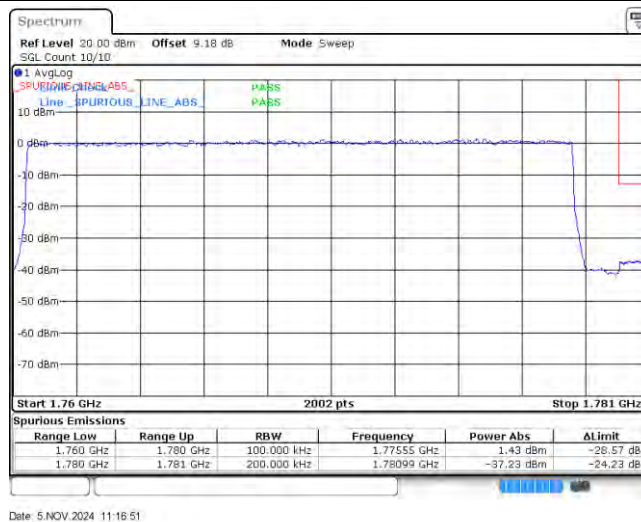
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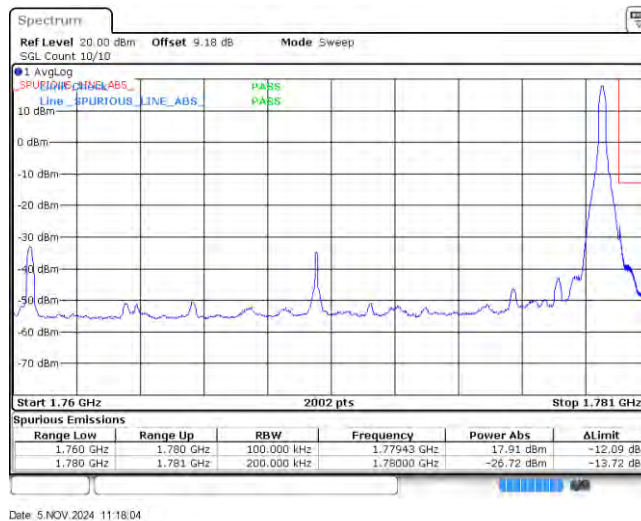
1-N66-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant4-1709.98-18.50--31.50-PASS



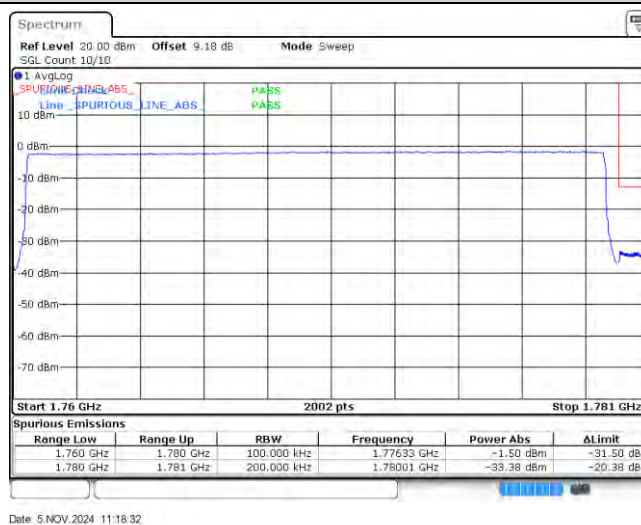
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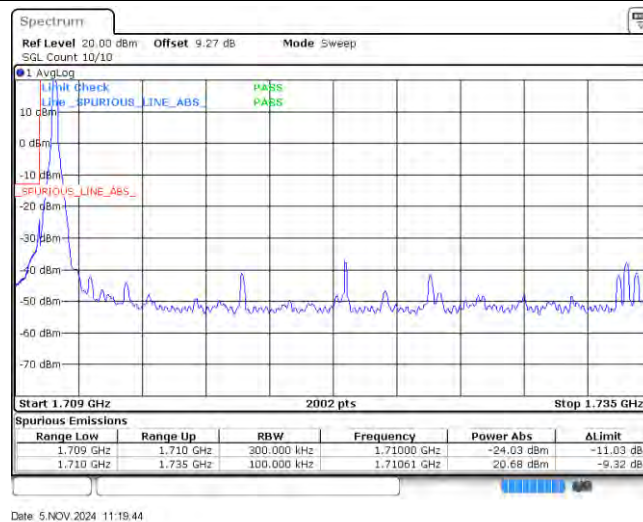
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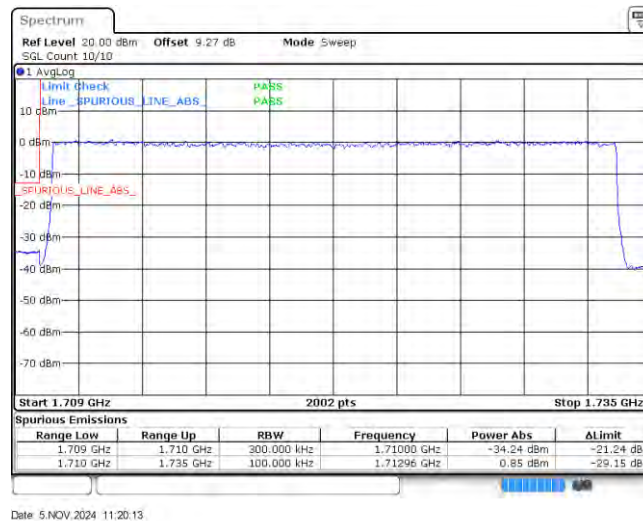
1-N66-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-1780.00-13.72--26.72-PASS



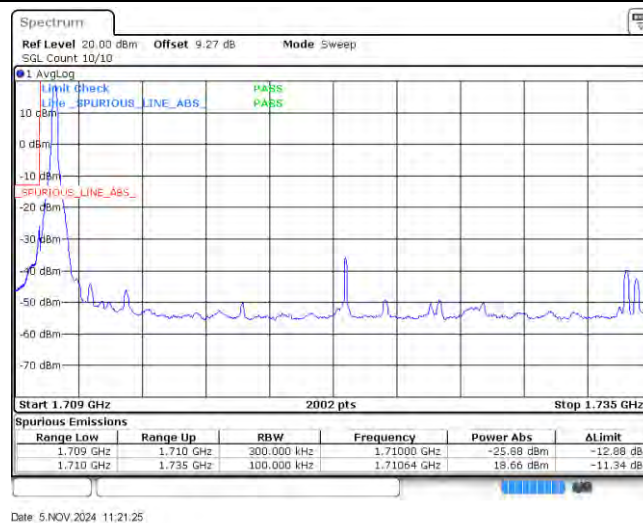
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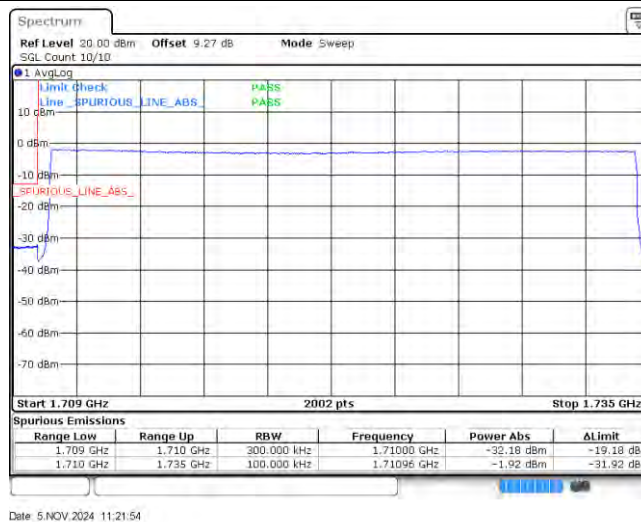
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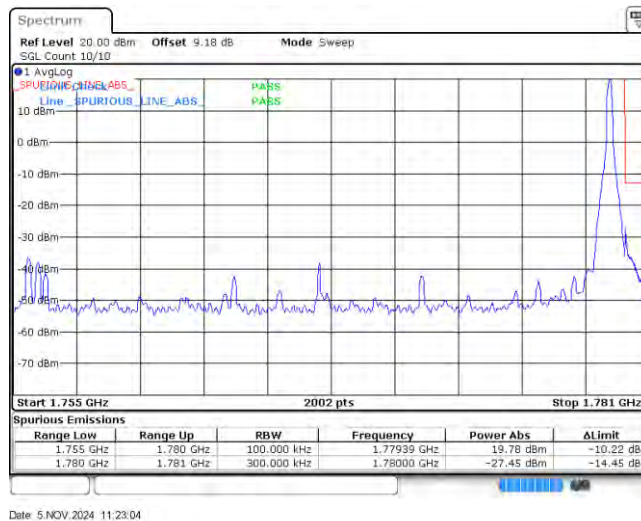
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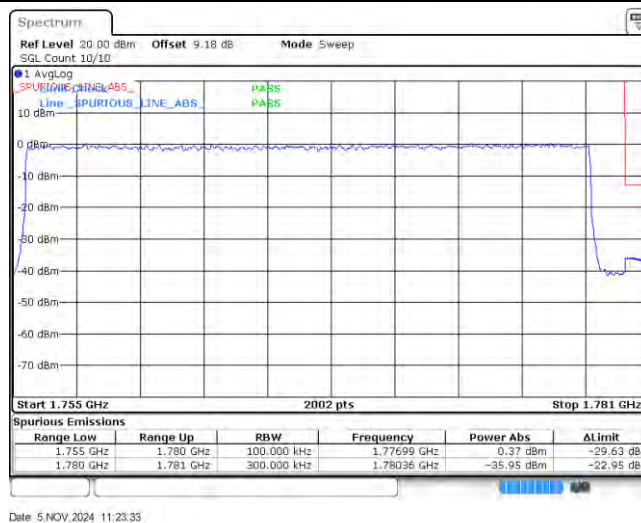
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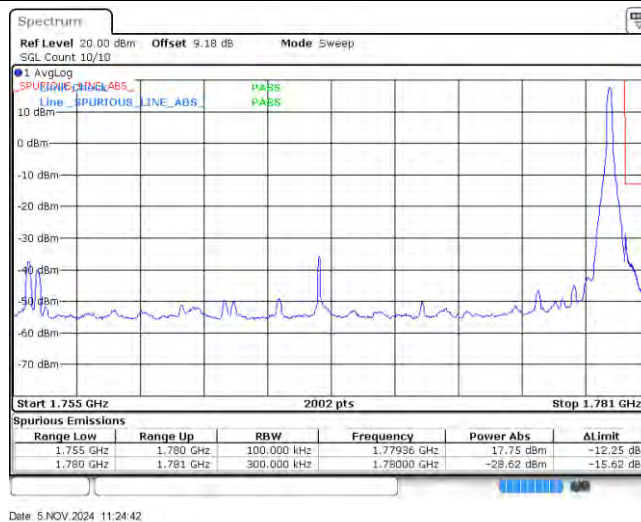
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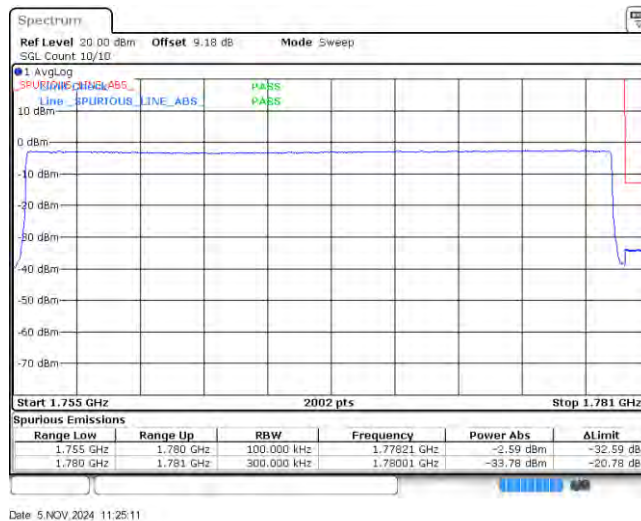
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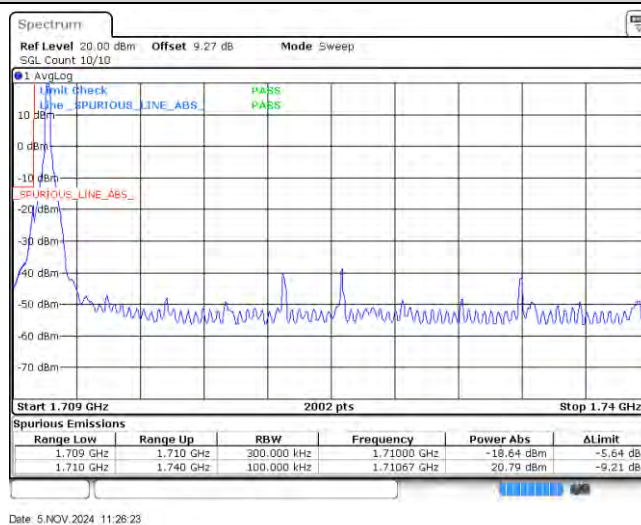
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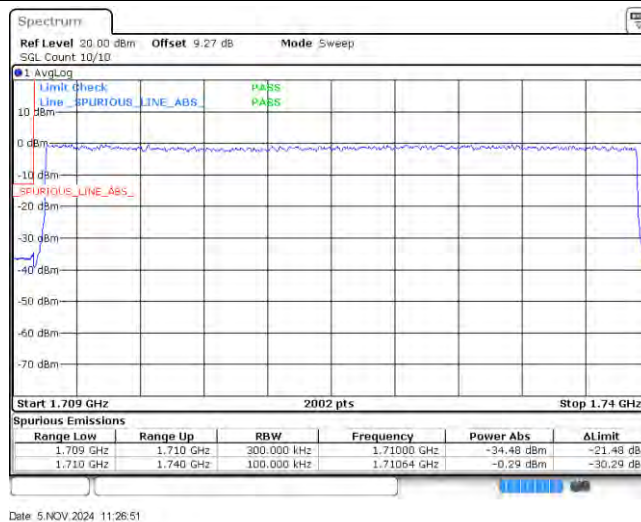
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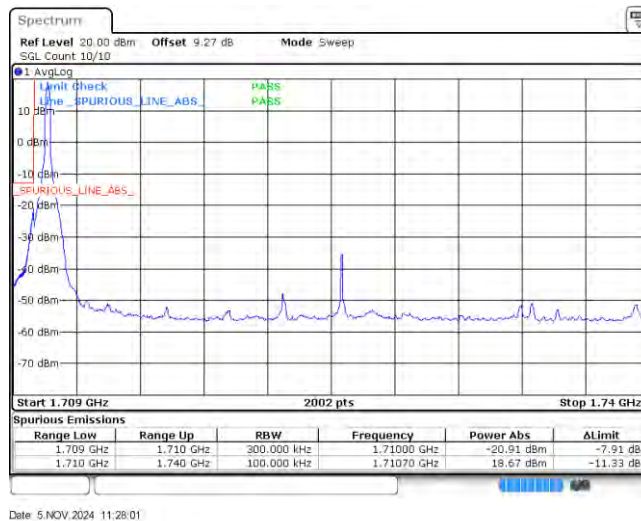
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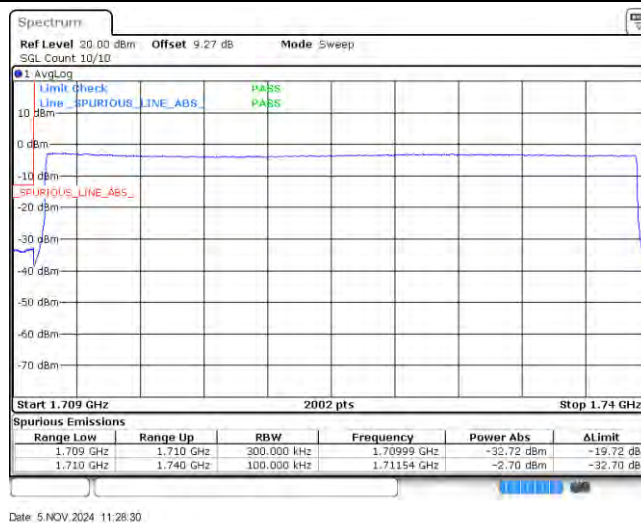
1-N66-PC3-15-30-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-1710.00-5.64--18.64-PASS



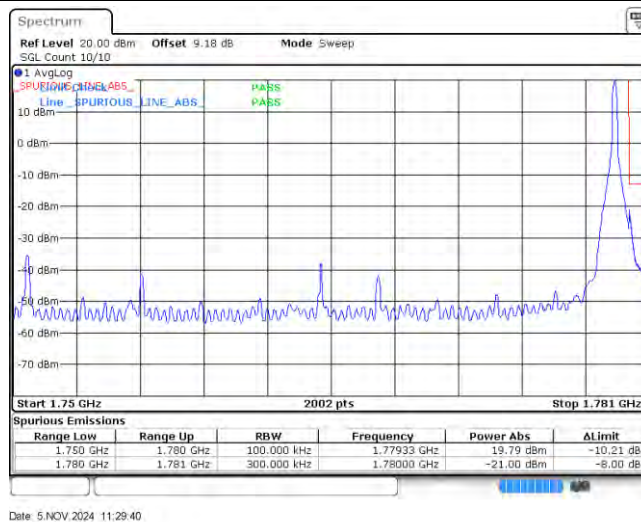
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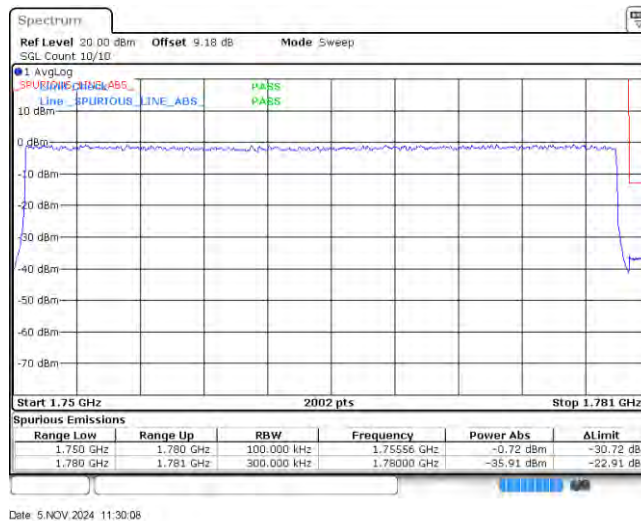
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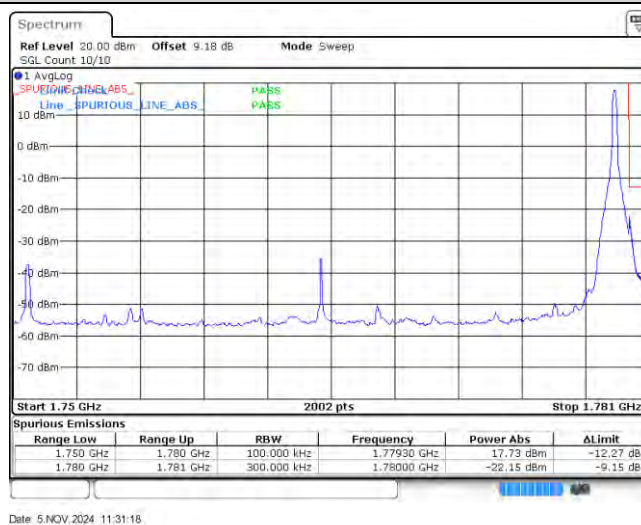
1-N66-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant4-1709.99-19.72--32.72-PASS



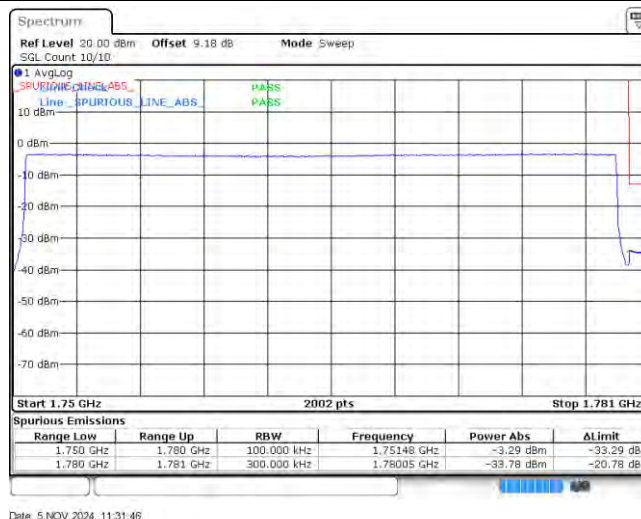
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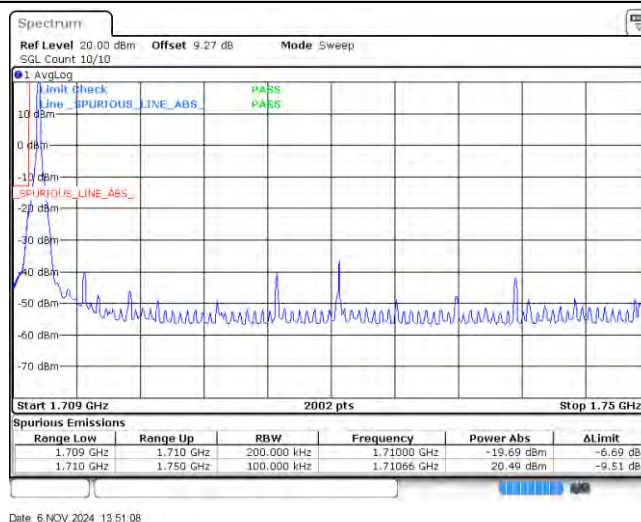
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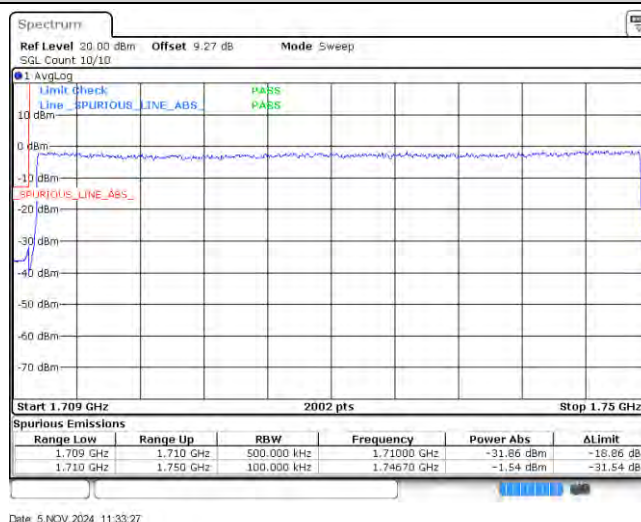
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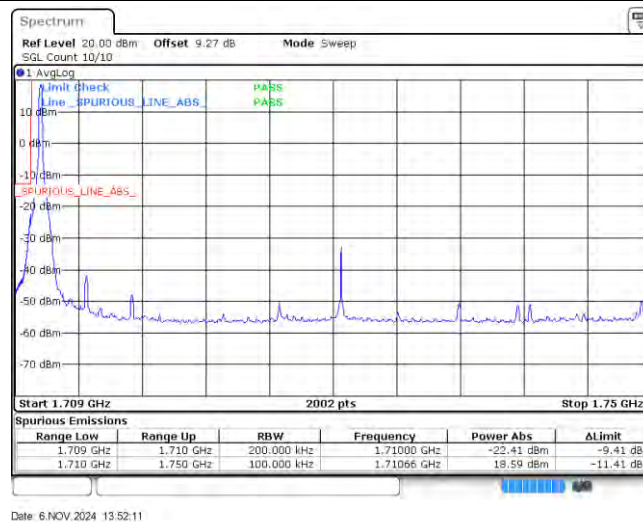
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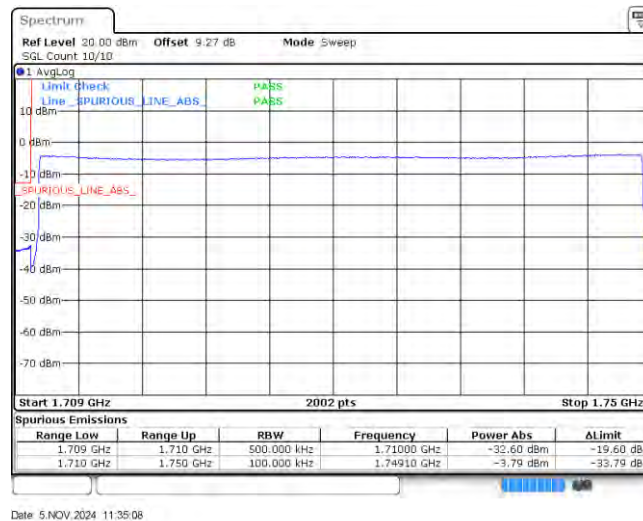
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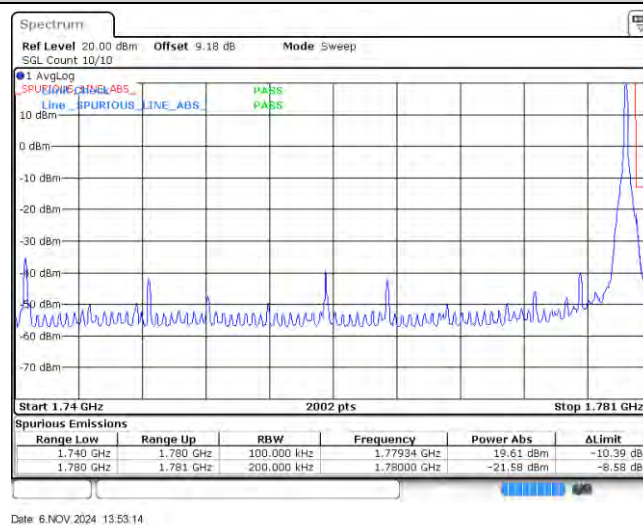
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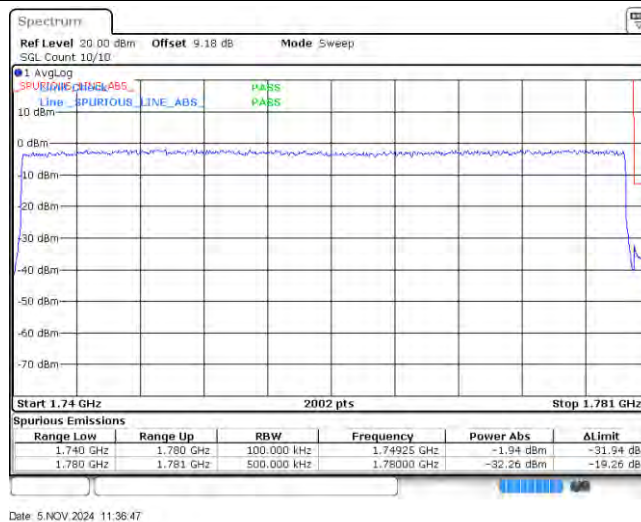
1-N66-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1710.00-9.41--22.41-PASS



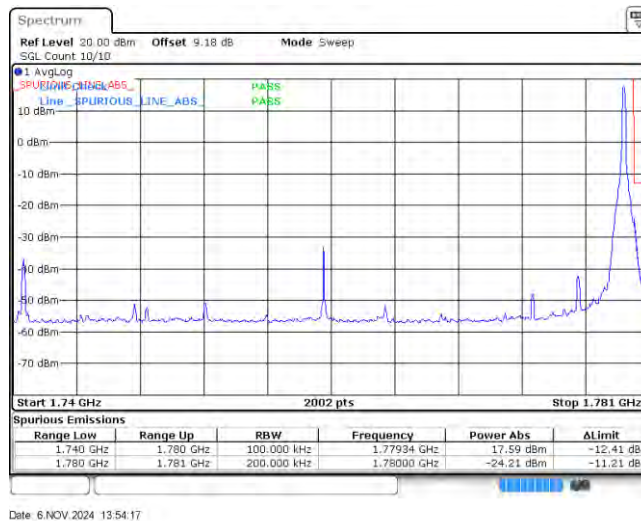
1-N66-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant4-1710.00-19.60--32.60-PASS



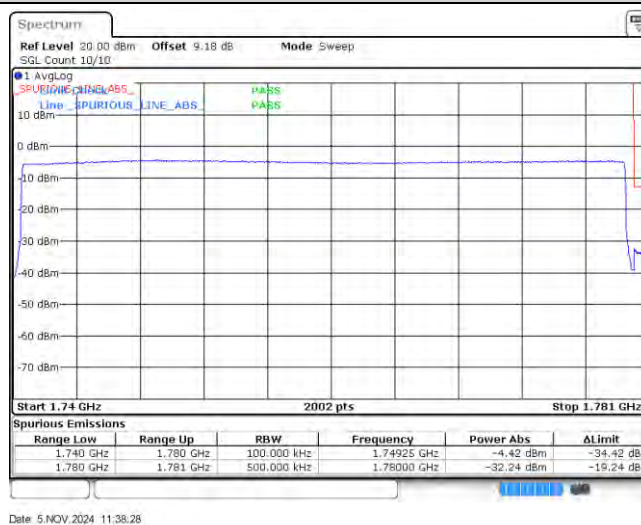
1-N66-PC3-15-40-H-2-DFT-QPSK-Edge_1RB_Right-1@215-Ant4-1780.00-8.58--21.58-PASS



1-N66-PC3-15-40-H-3-DFT-QPSK-Outer_Full-216@0-Ant4-1780.00-19.26--32.26-PASS



1-N66-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant4-1780.00-11.21--24.21-PASS



1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant4-1780.00-19.24--32.24-PASS

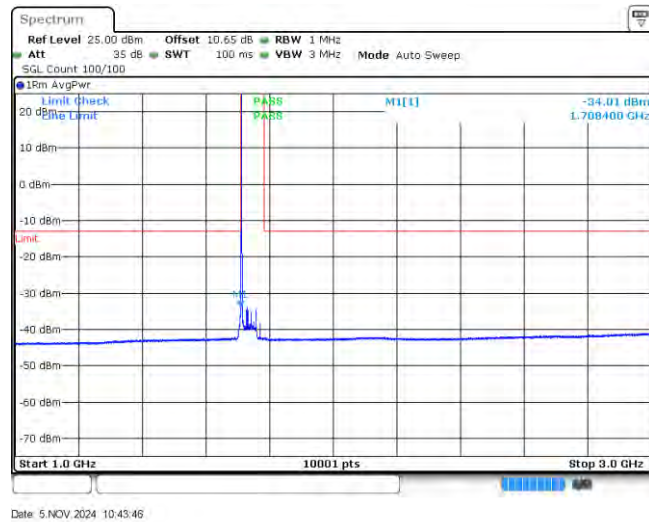
Conducted Spurious Emission for SA

Test Result

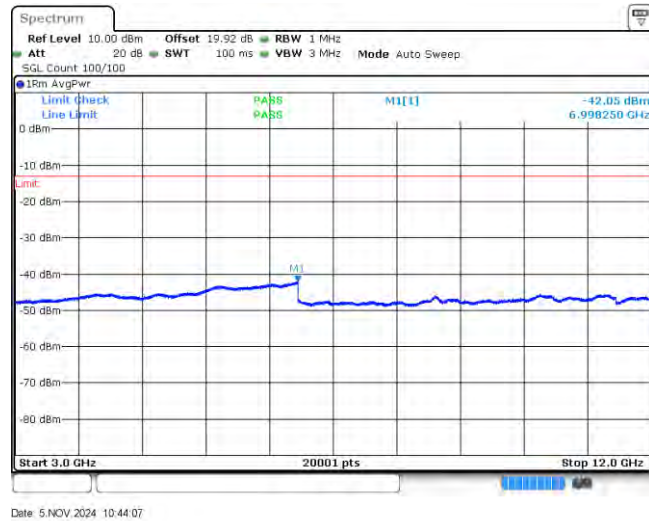
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N66	15	40	DFT-QPSK	L	0.009	0.15	1@0	-54.28	-43	PASS
N66	15	40	DFT-QPSK	L	0.15	30	1@0	-53.79	-33	PASS
N66	15	40	DFT-QPSK	L	30	1000	1@0	-53.68	-23	PASS
N66	15	40	DFT-QPSK	L	1000	3000	1@0	-34.01	-13	PASS
N66	15	40	DFT-QPSK	L	3000	12000	1@0	-42.05	-13	PASS
N66	15	40	DFT-QPSK	L	12000	20000	1@0	-44.19	-13	PASS
N66	15	40	DFT-QPSK	M	0.009	0.15	1@0	-55.05	-43	PASS
N66	15	40	DFT-QPSK	M	0.15	30	1@0	-52.48	-33	PASS
N66	15	40	DFT-QPSK	M	30	1000	1@0	-53.40	-23	PASS
N66	15	40	DFT-QPSK	M	1000	3000	1@0	-37.81	-13	PASS
N66	15	40	DFT-QPSK	M	3000	12000	1@0	-42.14	-13	PASS
N66	15	40	DFT-QPSK	M	12000	20000	1@0	-44.12	-13	PASS
N66	15	40	DFT-QPSK	H	0.009	0.15	1@0	-56.08	-43	PASS
N66	15	40	DFT-QPSK	H	0.15	30	1@0	-55.54	-33	PASS
N66	15	40	DFT-QPSK	H	30	1000	1@0	-53.56	-23	PASS
N66	15	40	DFT-QPSK	H	1000	3000	1@0	-35.63	-13	PASS
N66	15	40	DFT-QPSK	H	3000	12000	1@0	-42.09	-13	PASS
N66	15	40	DFT-QPSK	H	12000	20000	1@0	-44.16	-13	PASS

Test Graphs

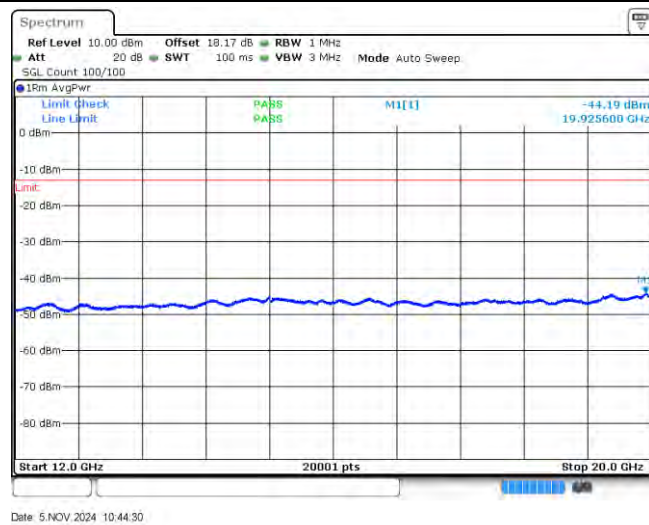




1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-1708.40--34.01--13-PASS

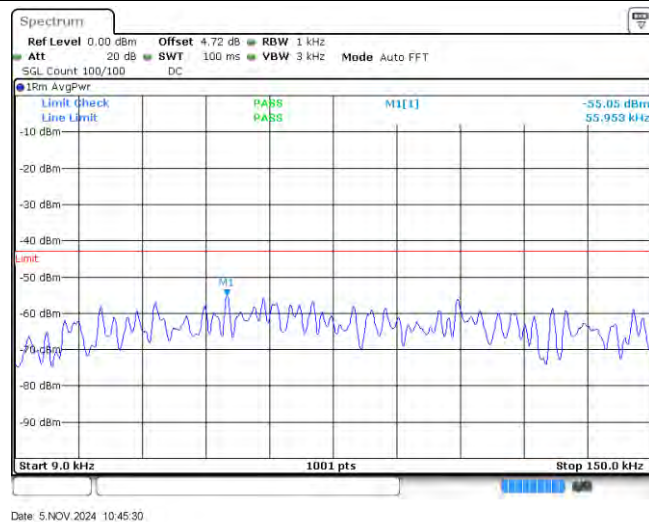


1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6998.25--42.05--13-PASS

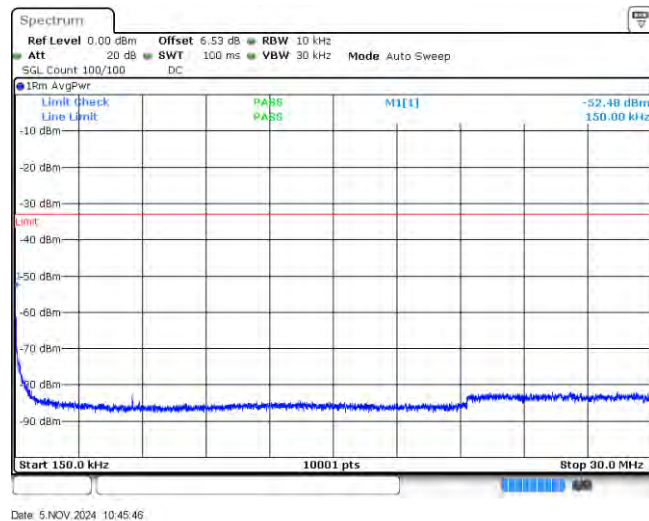


1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant4-19925.60--44.19--13-PA

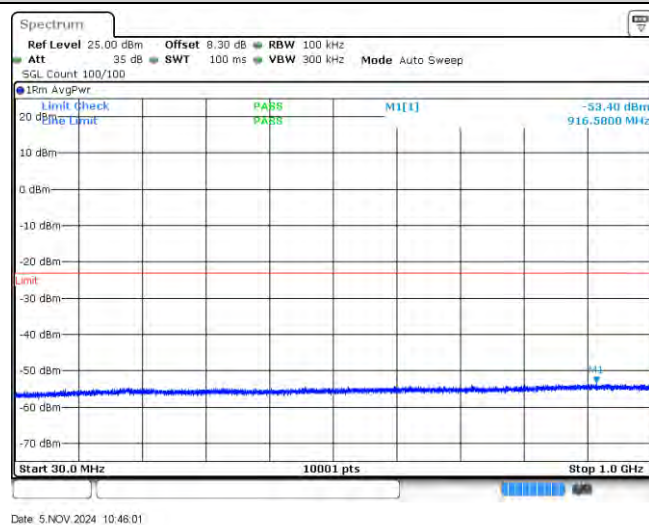
SS



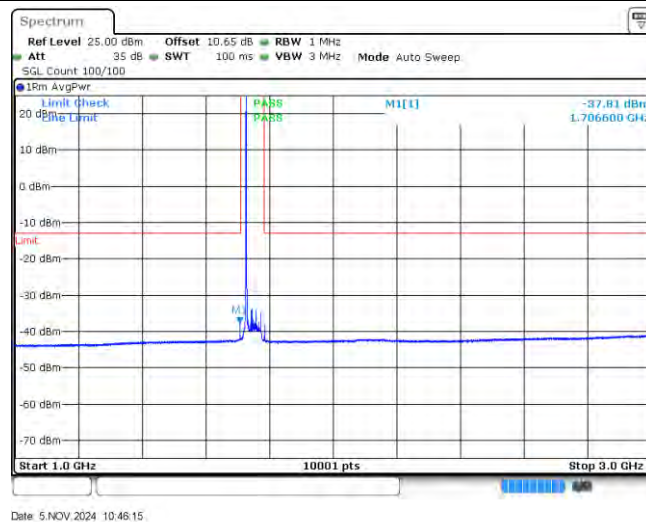
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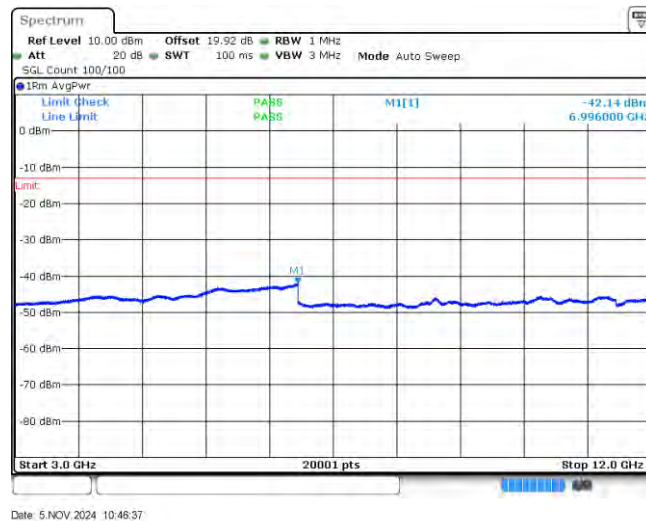
1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.15--52.48--33-PASS



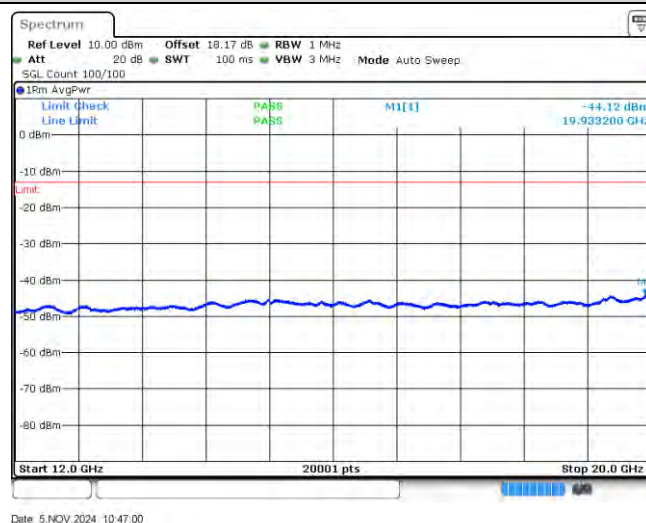
1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant4-916.58--53.40--23-PASS



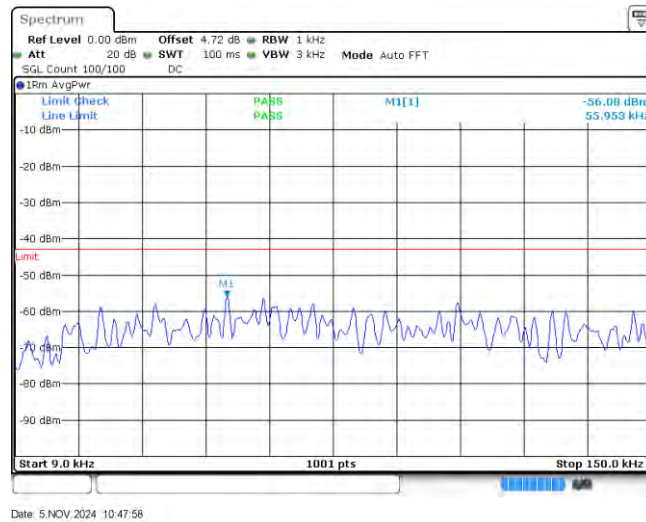
1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-1706.60--37.81--13-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6996.00--42.14--13-PASS

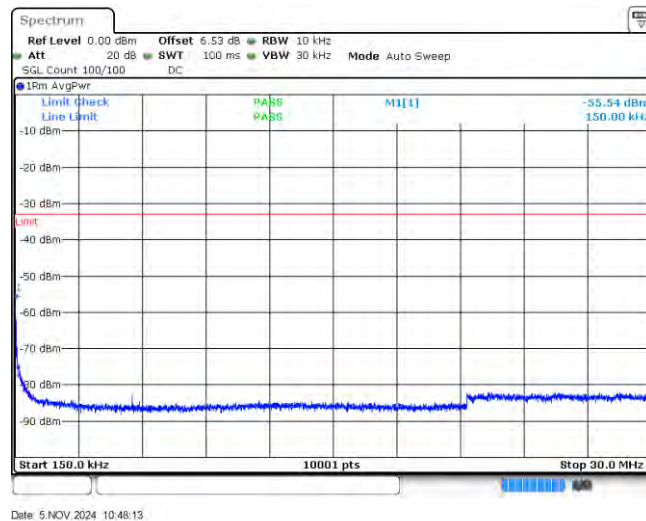


1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant4-19933.20--44.12--13-PASS



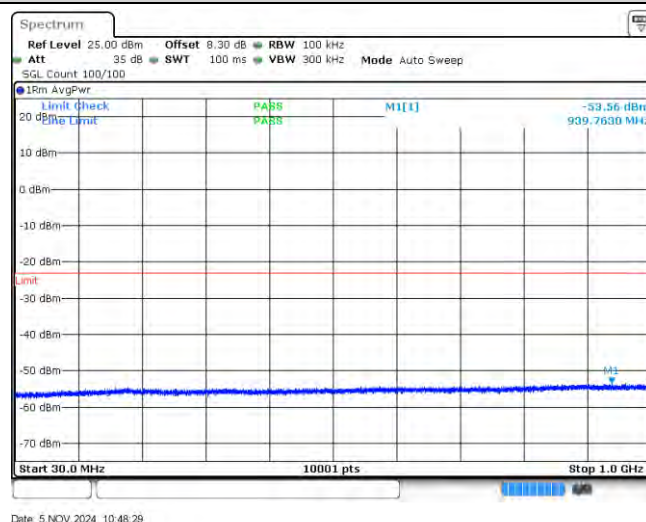
Date: 5.NOV.2024 10:47:58

1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant4-0.06--56.08--43-PASS



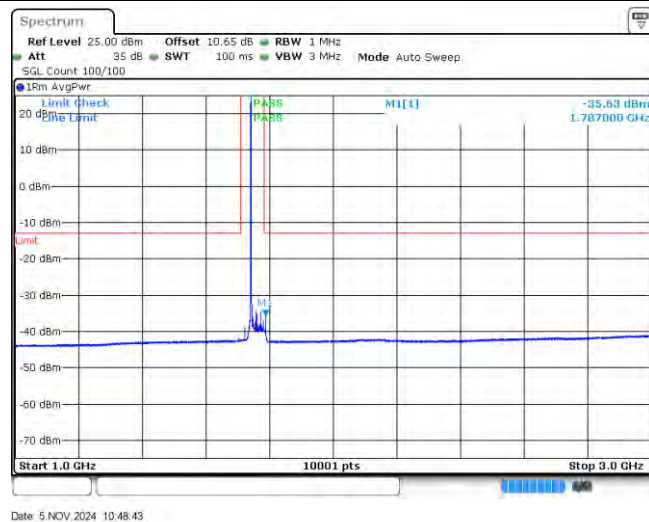
Date: 5.NOV.2024 10:48:13

1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.15--55.54--33-PASS

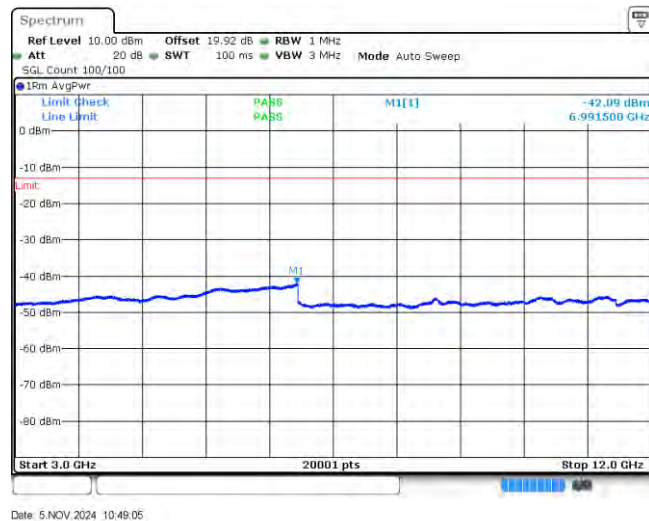


Date: 5.NOV.2024 10:48:29

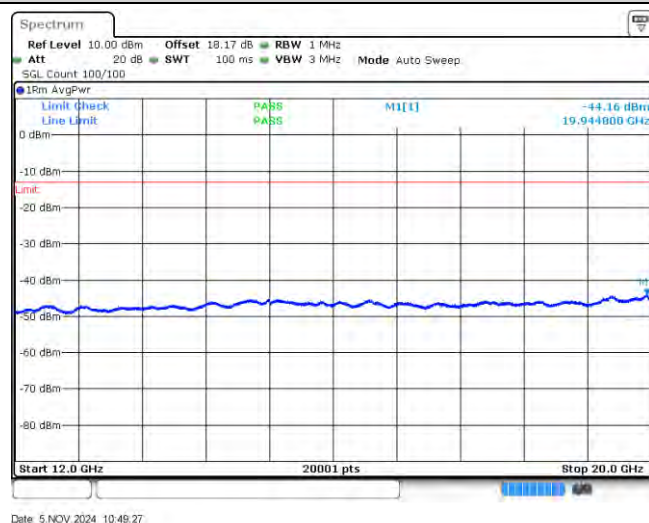
1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant4-939.76--53.56--23-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-1787.00--35.63--13-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6991.50--42.09--13-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant4-19944.80--44.16--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-QPSK	M	216@0	HV	NT	7.77	0.00445	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	NT	7.48	0.00429	PASS
N66	15	40	DFT-QPSK	M	216@0	LV	NT	2.99	0.00171	PASS
N66	15	40	CP-QPSK	M	216@0	HV	NT	1.91	0.00109	PASS
N66	15	40	CP-QPSK	M	216@0	NV	NT	3.84	0.00220	PASS
N66	15	40	CP-QPSK	M	216@0	LV	NT	1.42	0.00081	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-QPSK	M	216@0	NV	50	3.612000	0.002070	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	-20	7.777000	0.004457	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	-10	6.359000	0.003644	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	0	5.123000	0.002936	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	10	5.019000	0.002876	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	20	5.228000	0.002996	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	30	3.403000	0.001950	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	-30	6.530000	0.003742	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	40	3.228000	0.001850	PASS
N66	15	40	CP-QPSK	M	216@0	NV	50	6.852000	0.003927	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-20	6.361000	0.003645	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-10	7.015000	0.004020	PASS
N66	15	40	CP-QPSK	M	216@0	NV	0	7.862000	0.004505	PASS
N66	15	40	CP-QPSK	M	216@0	NV	10	6.667000	0.003821	PASS
N66	15	40	CP-QPSK	M	216@0	NV	20	7.584000	0.004346	PASS
N66	15	40	CP-QPSK	M	216@0	NV	30	6.833000	0.003916	PASS
N66	15	40	CP-QPSK	M	216@0	NV	40	5.049000	0.002893	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-30	6.990000	0.004006	PASS

Field Strength of Spurious Radiation

NR N66 ANT1-Low channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.0	-56.71	-13	-43.71	-61.33	3.36	7.98	Horizontal	Pass
5136.0	-63.24	-13	-50.24	-68.85	4.61	10.22	Horizontal	Pass
6848.0	-61.51	-13	-48.51	-67.55	4.9	10.94	Horizontal	Pass
3424.0	-58.82	-13	-45.82	-63.44	3.36	7.98	Vertical	Pass
5136.0	-63.27	-13	-50.27	-68.88	4.61	10.22	Vertical	Pass
6848.0	-61.55	-13	-48.55	-67.59	4.9	10.94	Vertical	Pass

NR N66 ANT1-Middle channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3454.0	-57.03	-13	-44.03	-61.71	3.38	8.06	Horizontal	Pass
5181.0	-63.44	-13	-50.44	-69.06	4.63	10.25	Horizontal	Pass
6908.0	-61.72	-13	-48.72	-67.82	4.91	11.01	Horizontal	Pass
3454.0	-67.47	-13	-54.47	-72.15	3.38	8.06	Vertical	Pass
5181.0	-63.41	-13	-50.41	-69.03	4.63	10.25	Vertical	Pass
6908.0	-61.35	-13	-48.35	-67.45	4.91	11.01	Vertical	Pass

NR N66 ANT1-High channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3484.0	-57.79	-13	-44.79	-62.53	3.39	8.13	Horizontal	Pass
5226.0	-62.86	-13	-49.86	-68.5	4.64	10.28	Horizontal	Pass
6968.0	-61.55	-13	-48.55	-67.73	4.91	11.09	Horizontal	Pass
3484.0	-60.61	-13	-47.61	-65.35	3.39	8.13	Vertical	Pass
5226.0	-62.87	-13	-49.87	-68.51	4.64	10.28	Vertical	Pass
6968.0	-61.26	-13	-48.26	-67.44	4.91	11.09	Vertical	Pass

NSA_2A_n66A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.0	-64.52	-13	-51.52	-69.14	3.36	7.98	Horizontal	Pass
5136.0	-60.04	-13	-47.04	-65.65	4.61	10.22	Horizontal	Pass
6848.0	-61.31	-13	-48.31	-67.35	4.9	10.94	Horizontal	Pass
3424.0	-65.41	-13	-52.41	-70.03	3.36	7.98	Vertical	Pass
5136.0	-62.28	-13	-49.28	-67.89	4.61	10.22	Vertical	Pass
6848.0	-60.77	-13	-47.77	-66.81	4.9	10.94	Vertical	Pass

NSA_2A_n66A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3454.0	-66.75	-13	-53.75	-71.43	3.38	8.06	Horizontal	Pass
5181.0	-62.46	-13	-49.46	-68.08	4.63	10.25	Horizontal	Pass
6908.0	-60.95	-13	-47.95	-67.05	4.91	11.01	Horizontal	Pass
3454.0	-66.64	-13	-53.64	-71.32	3.38	8.06	Vertical	Pass
5181.0	-62.42	-13	-49.42	-68.04	4.63	10.25	Vertical	Pass
6908.0	-61.47	-13	-48.47	-67.57	4.91	11.01	Vertical	Pass

NSA_2A_n66A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3484.0	-66.34	-13	-53.34	-71.08	3.39	8.13	Horizontal	Pass
5226.0	-62.3	-13	-49.3	-67.94	4.64	10.28	Horizontal	Pass
6968.0	-61.22	-13	-48.22	-67.4	4.91	11.09	Horizontal	Pass
3484.0	-66.61	-13	-53.61	-71.35	3.39	8.13	Vertical	Pass
5226.0	-62.22	-13	-49.22	-67.86	4.64	10.28	Vertical	Pass
6968.0	-61.34	-13	-48.34	-67.52	4.91	11.09	Vertical	Pass