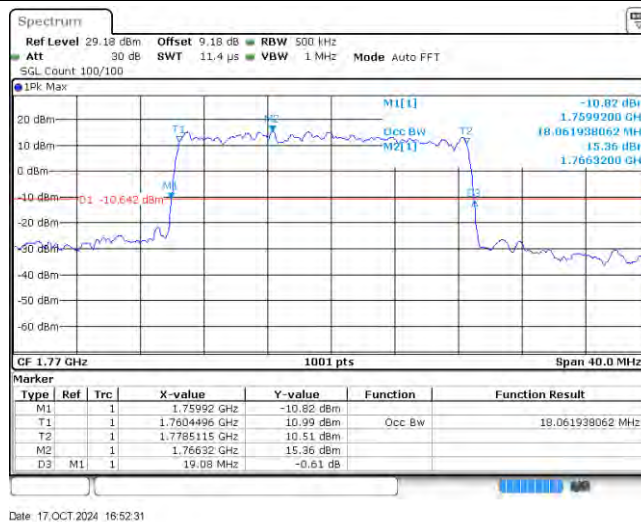
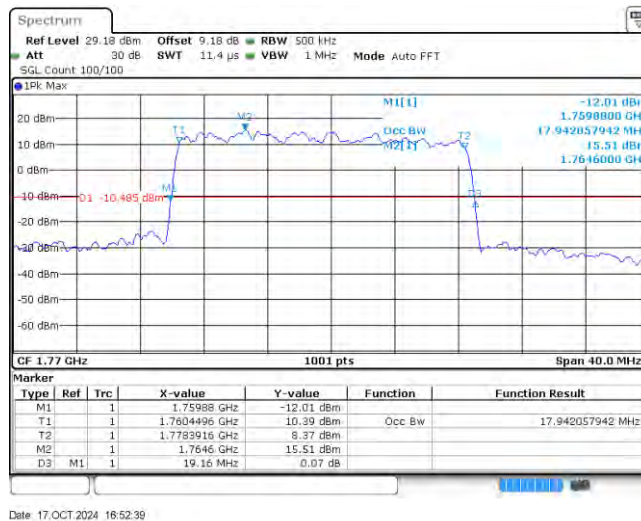
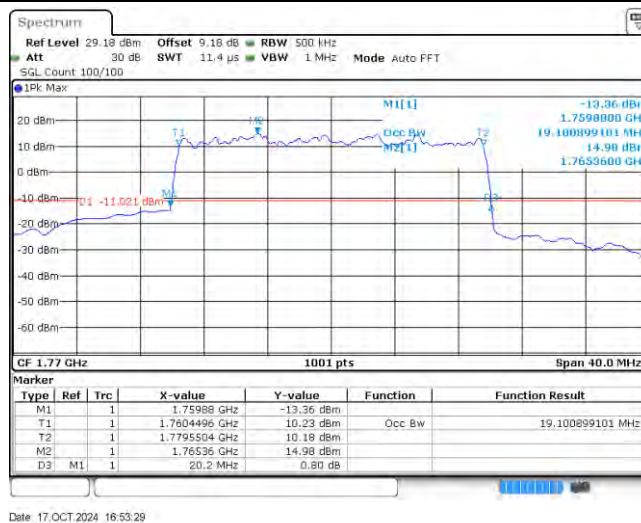




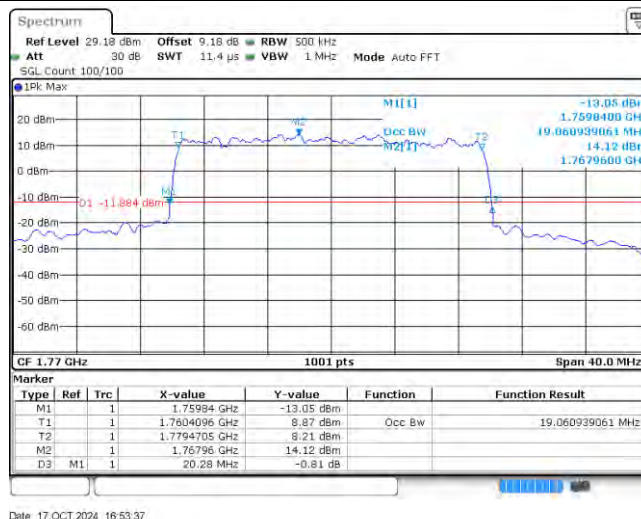
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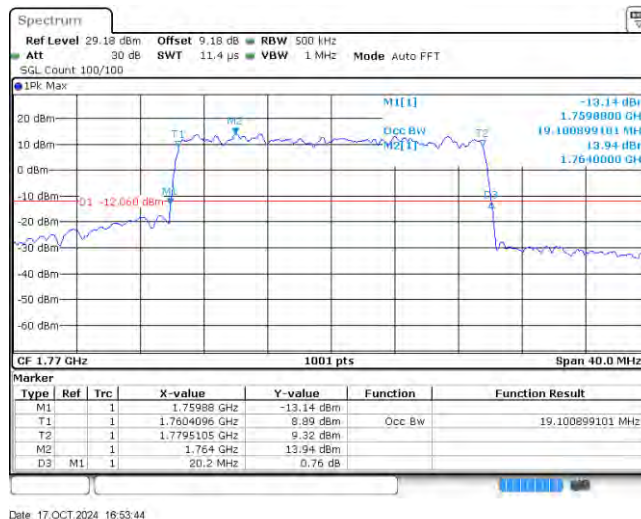
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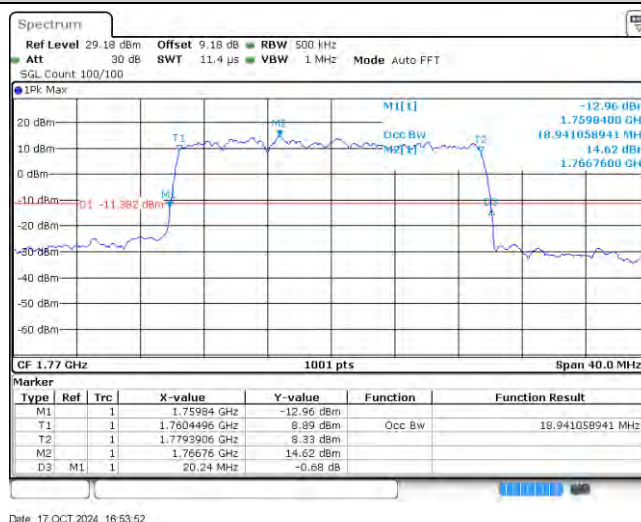
1-N66-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant5-19.101-20.200-≤20-PASS



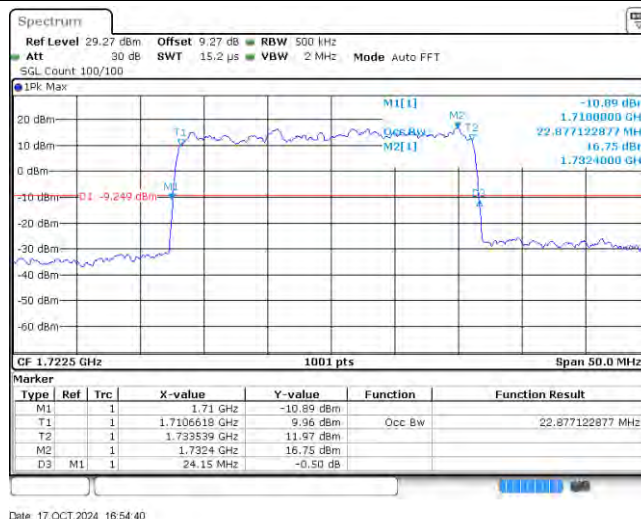
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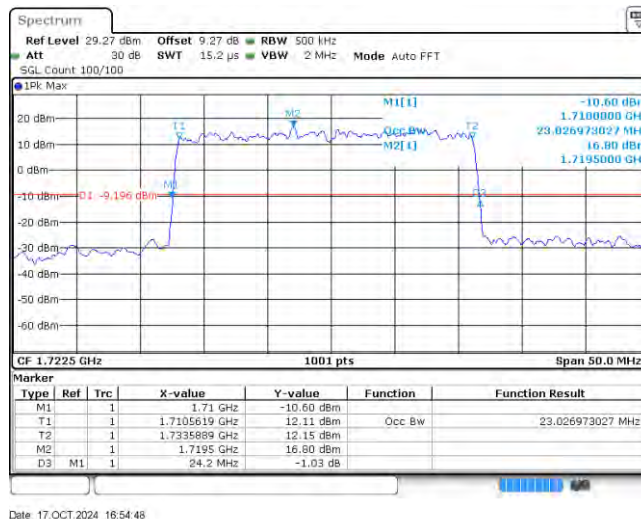
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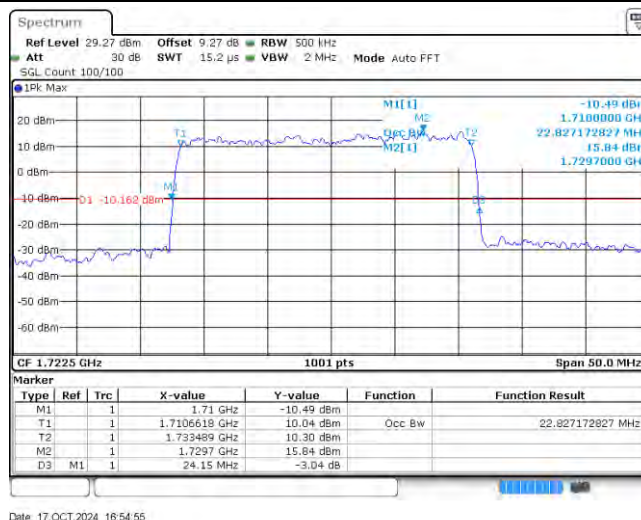
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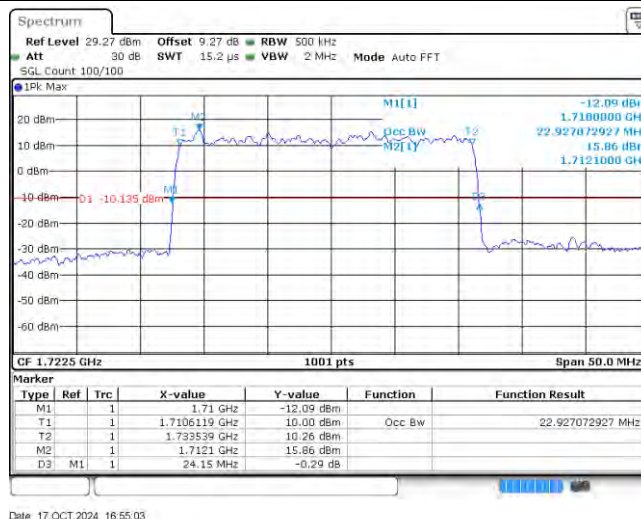
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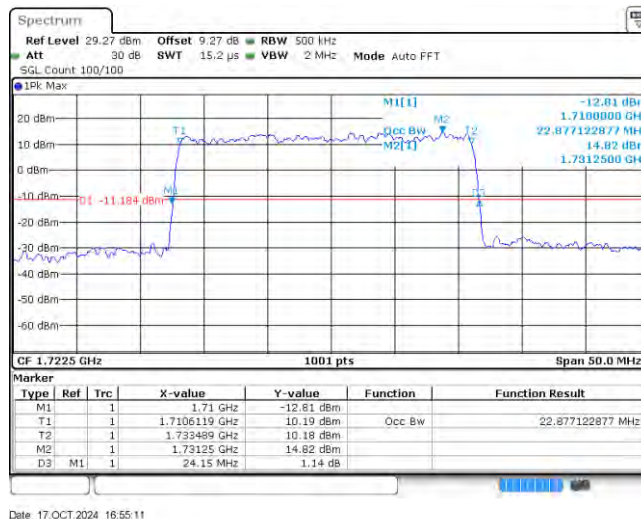
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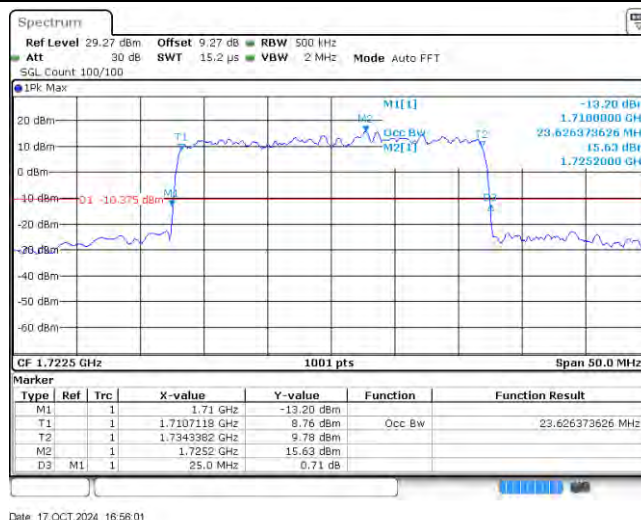
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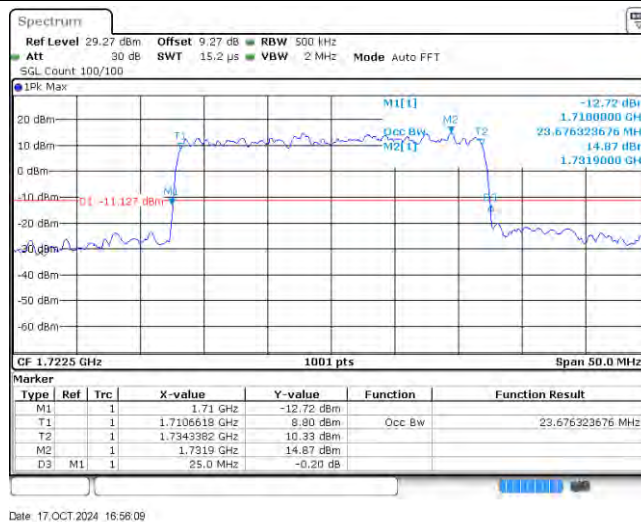
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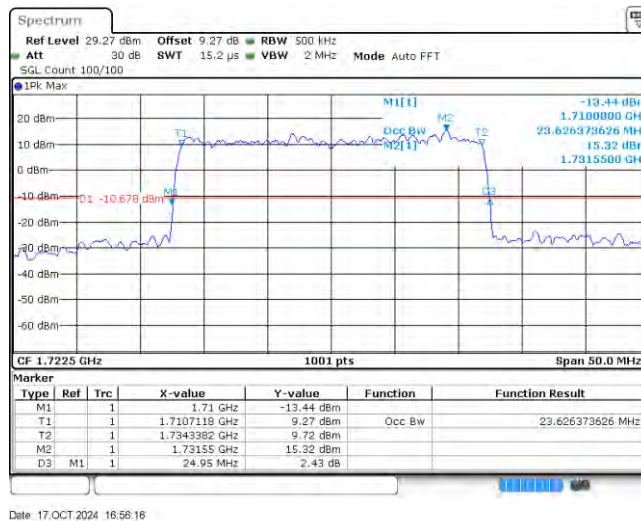
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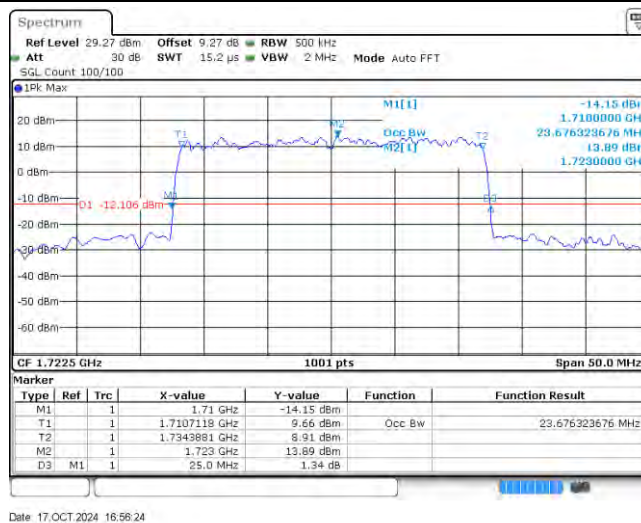
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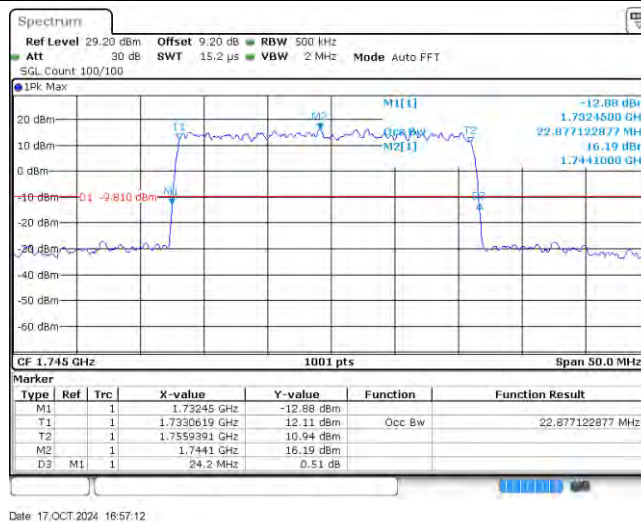
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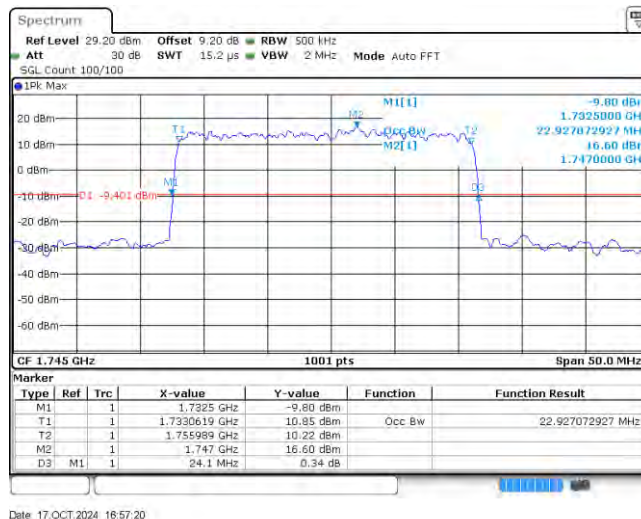
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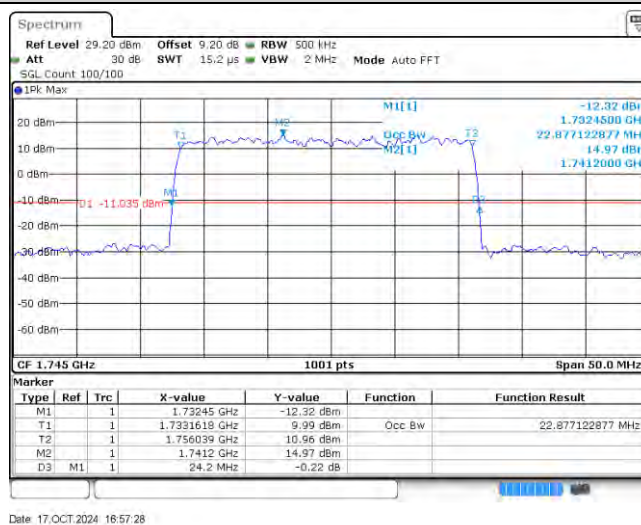
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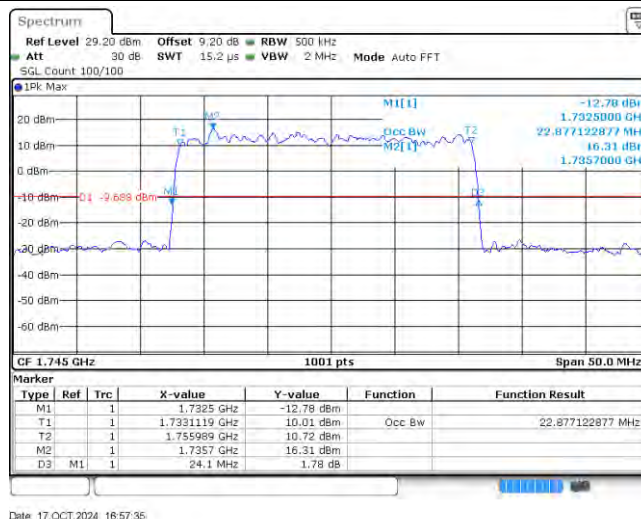
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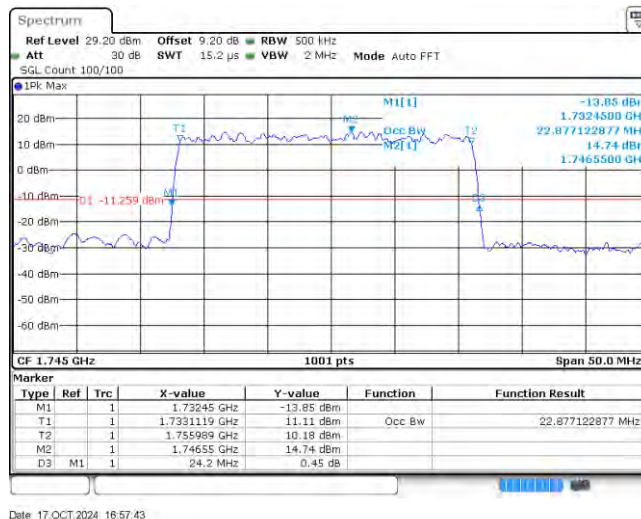
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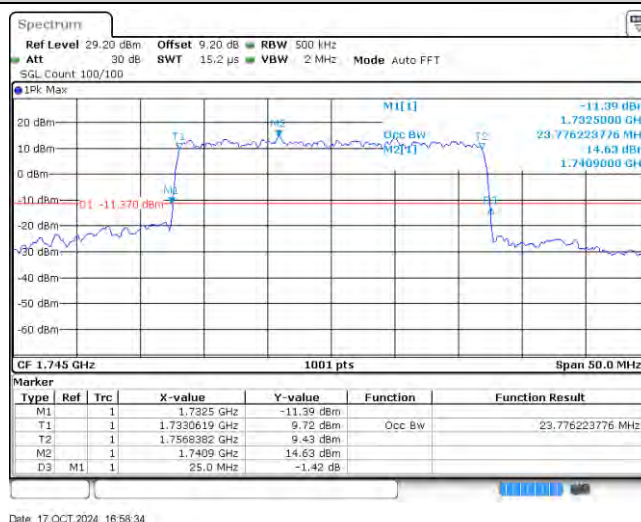
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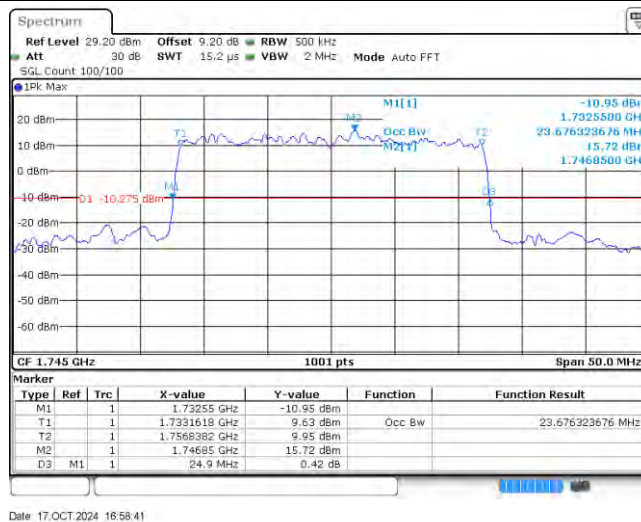
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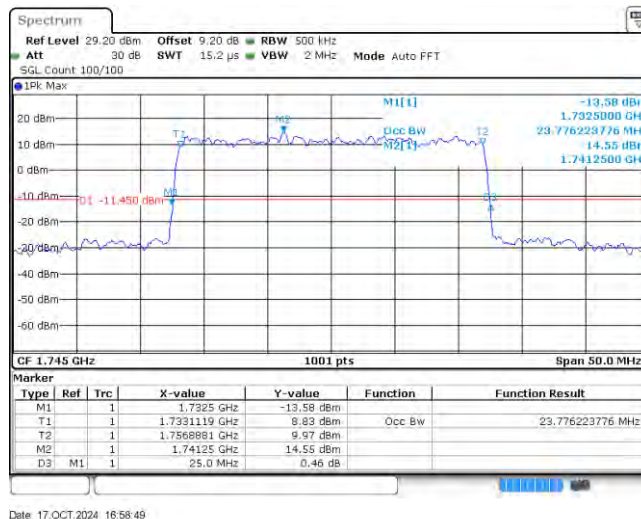
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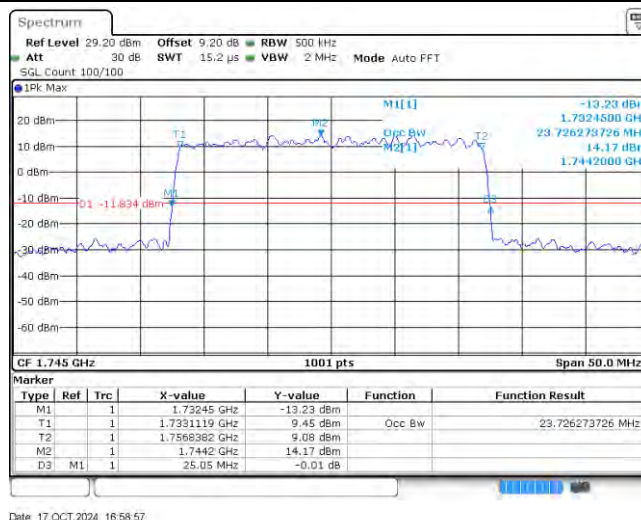
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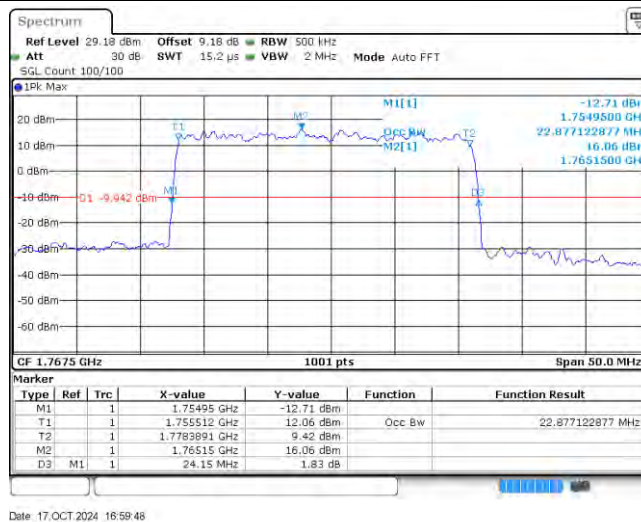
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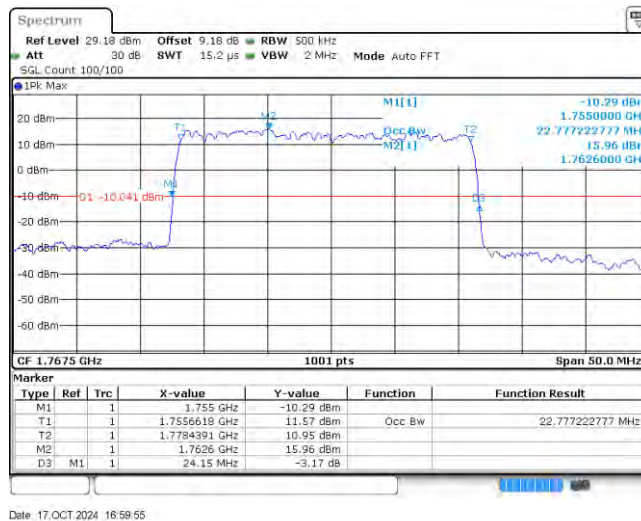
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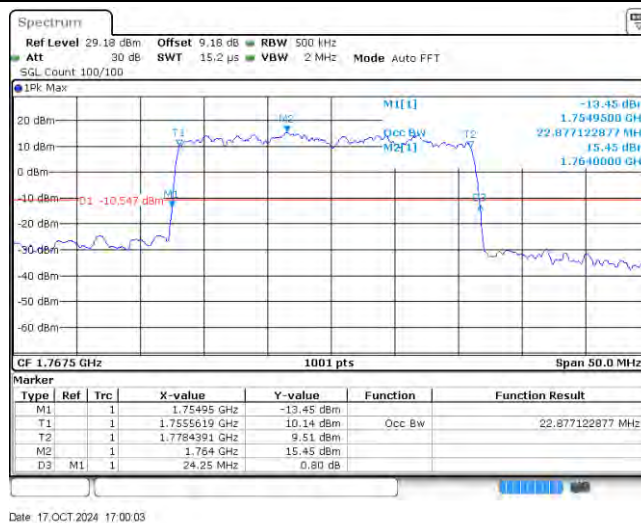
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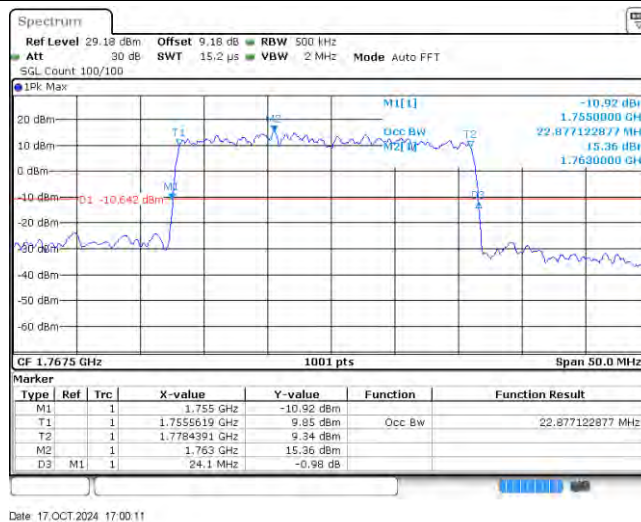
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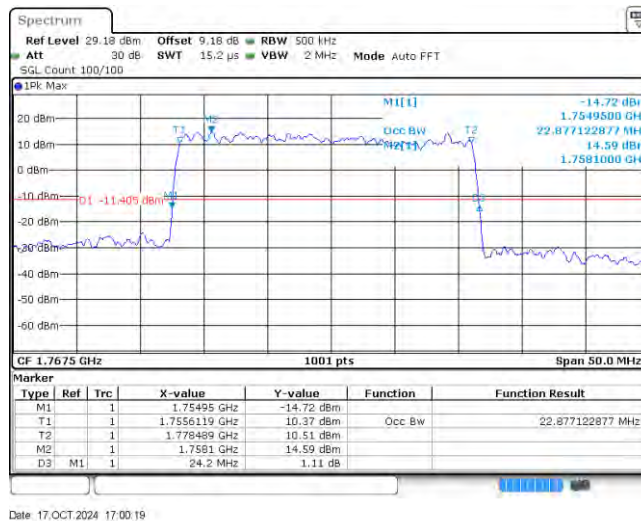
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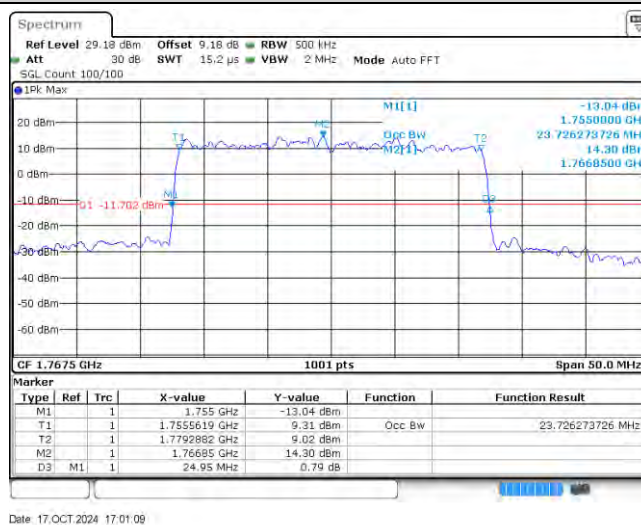
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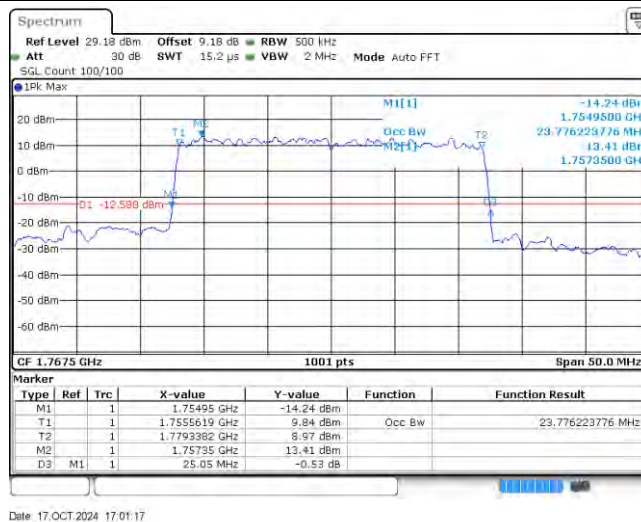
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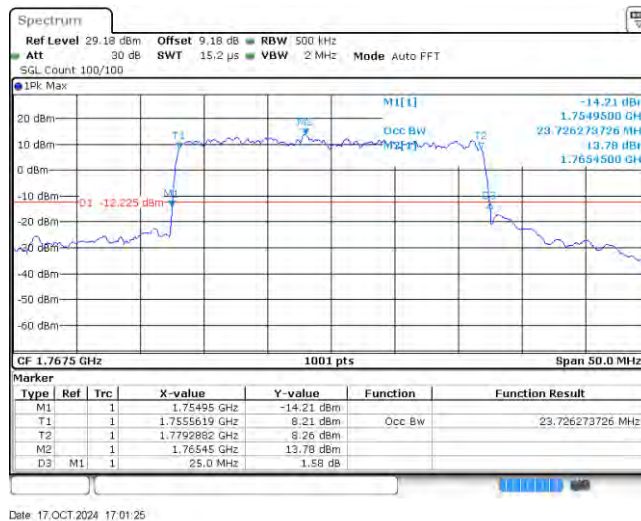
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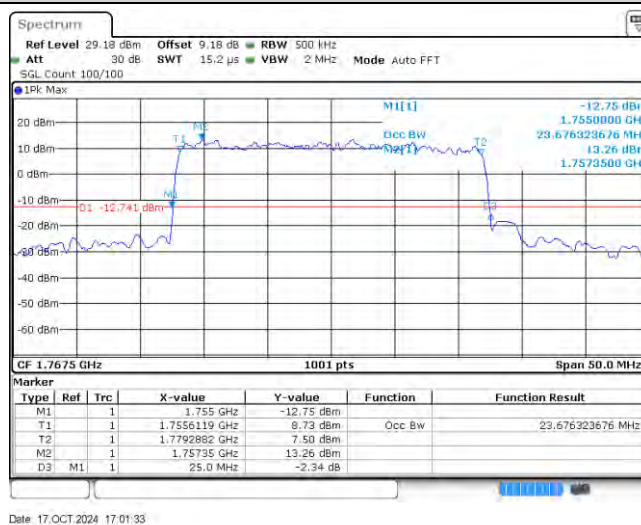
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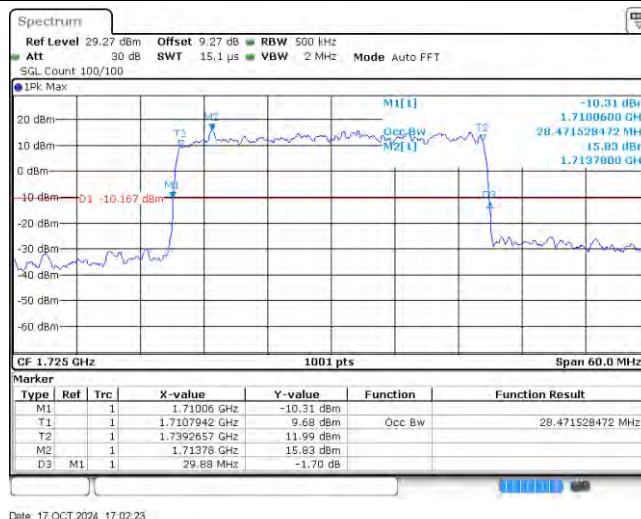
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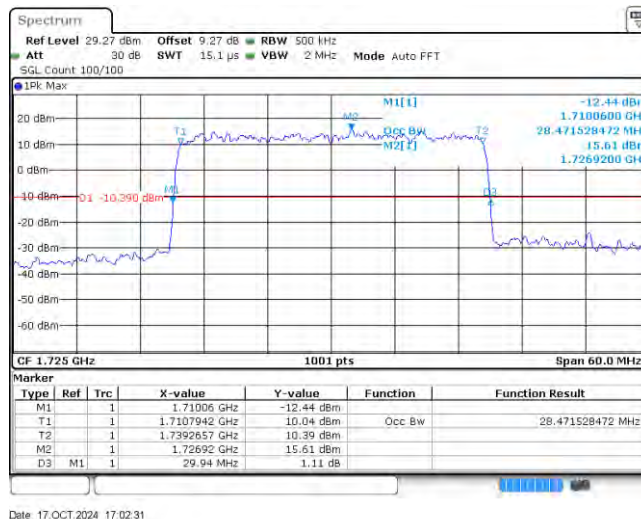
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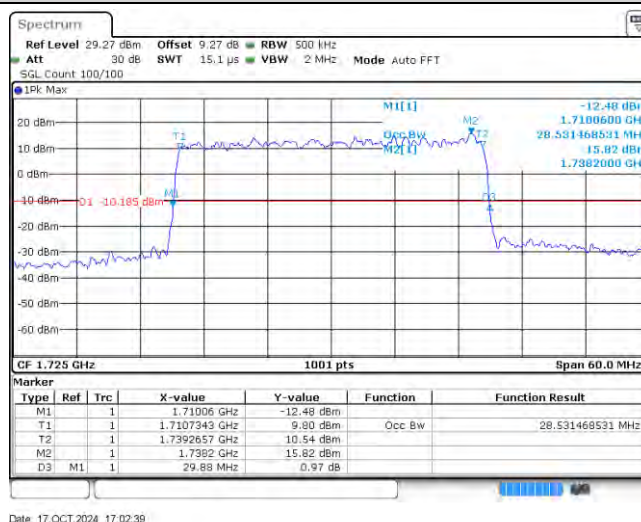
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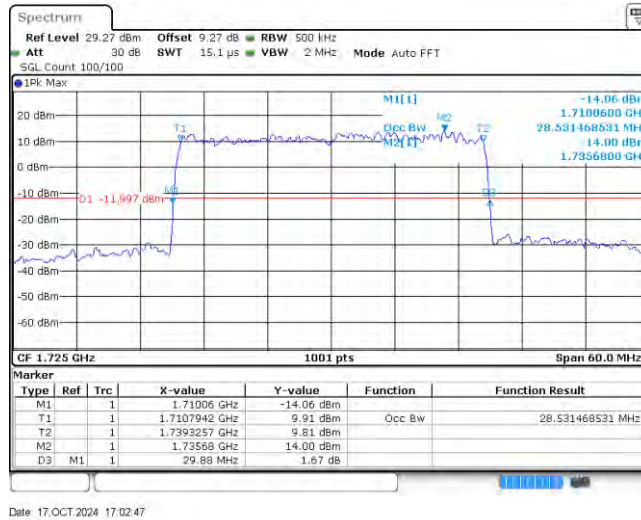
1-N66-PC3-15-30-L-1-DFT-QPSK-Outer_Full-160@0-Ant5-28.472-29.880-≤30-PASS



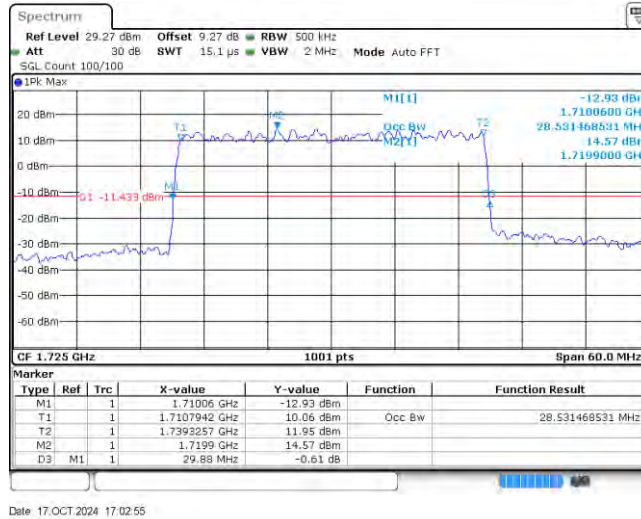
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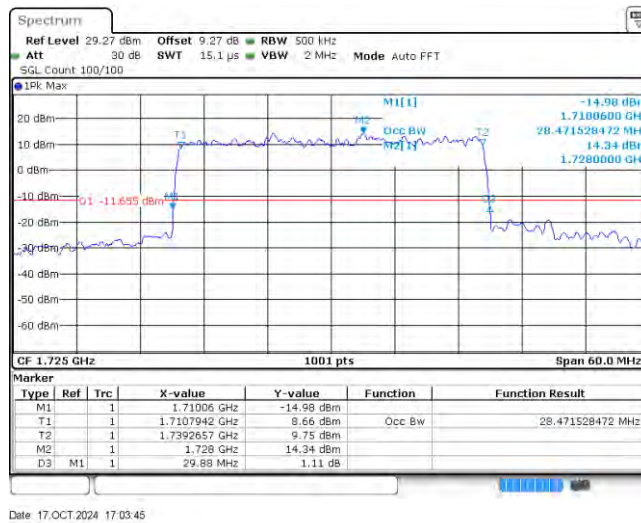
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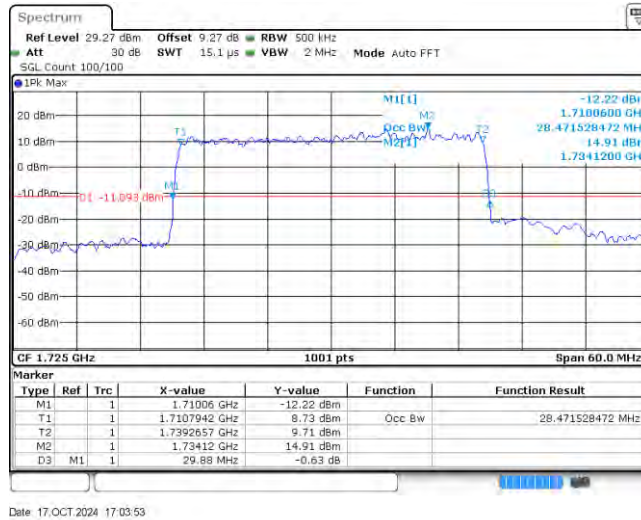
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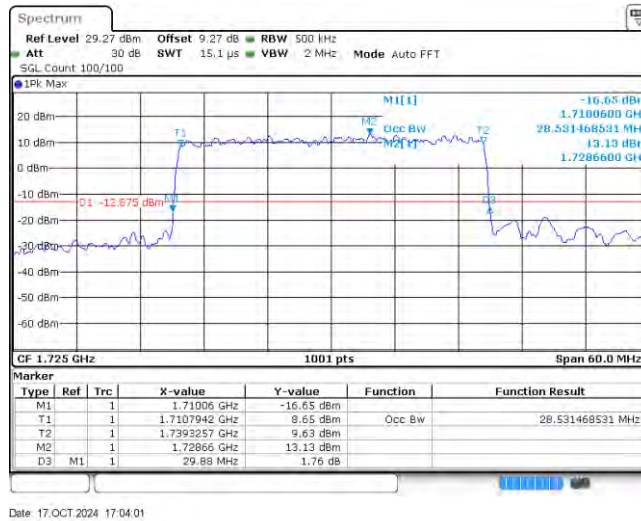
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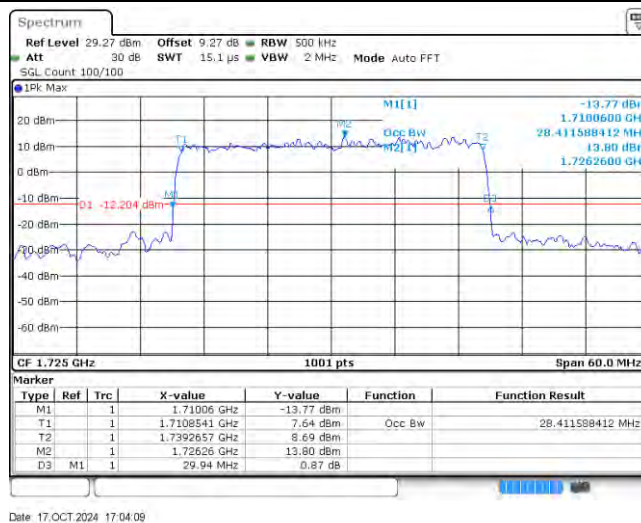
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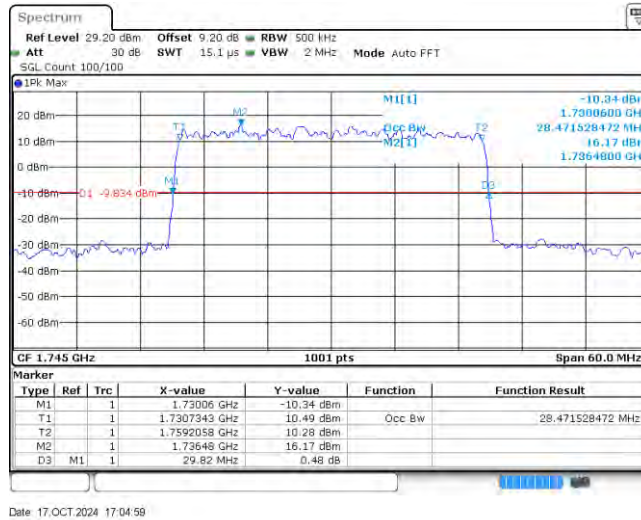
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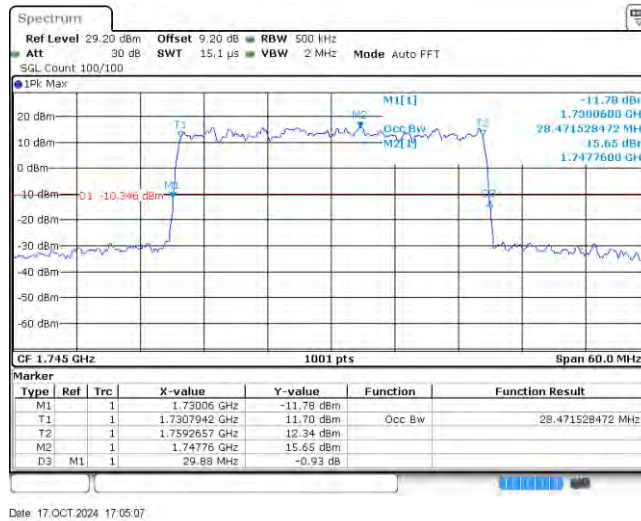
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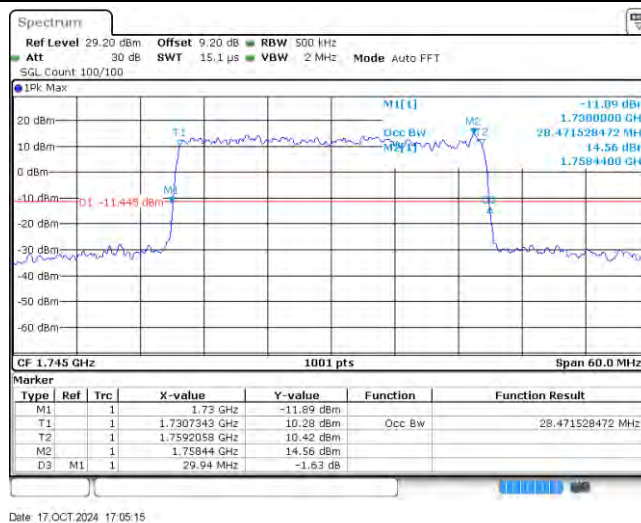
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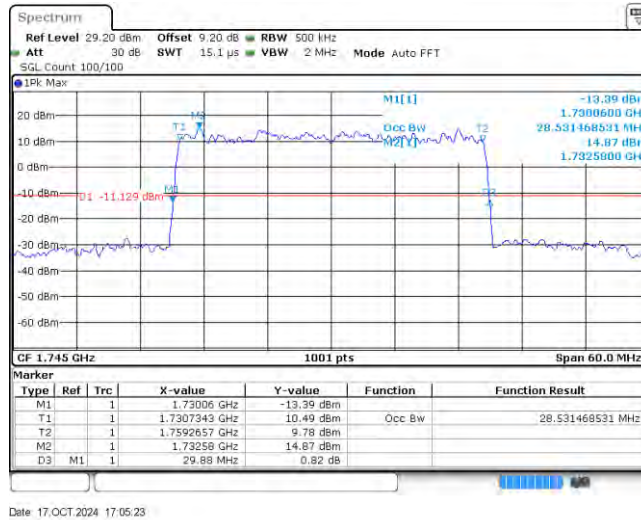
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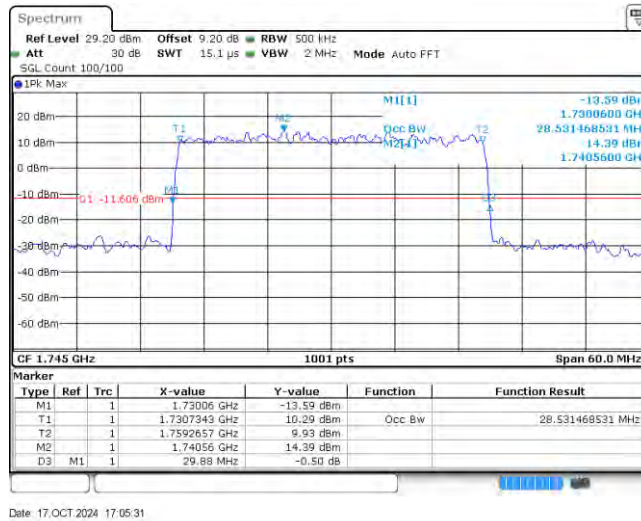
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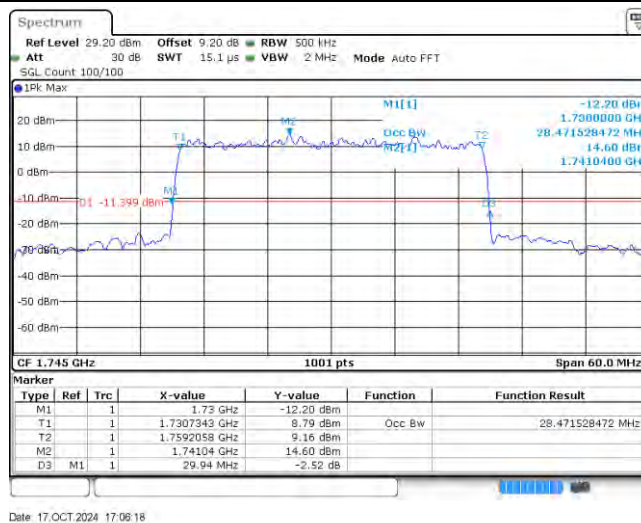
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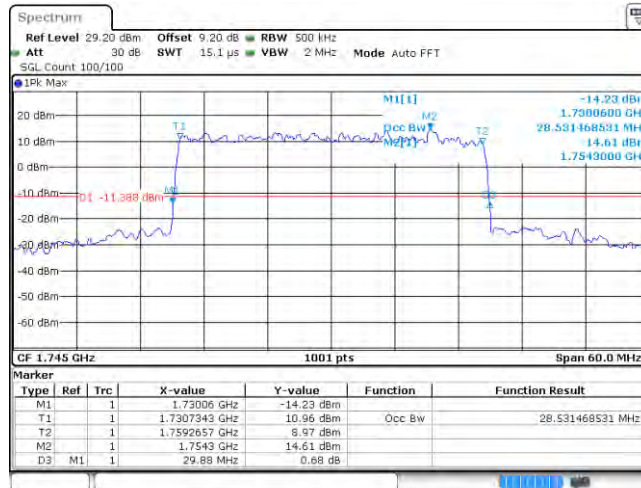
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1-N66-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160@0-Ant5-28.531-29.880-≤30-PASS

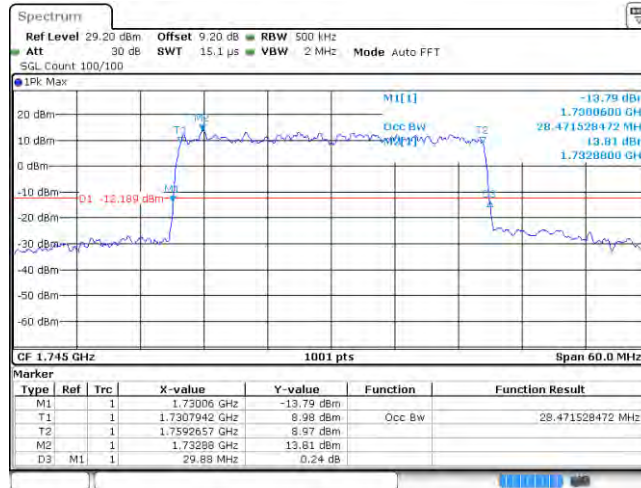


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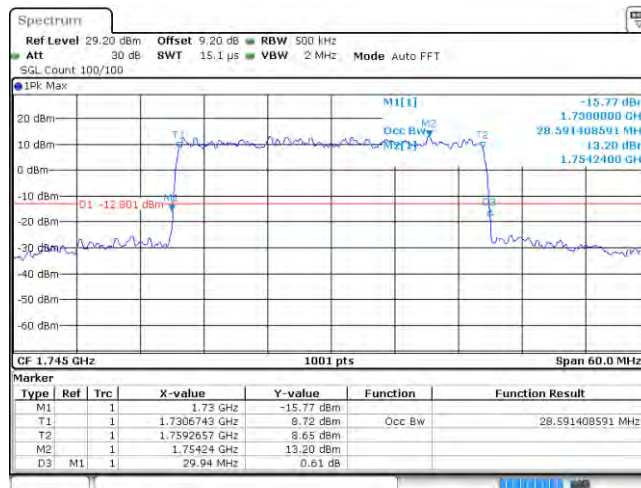
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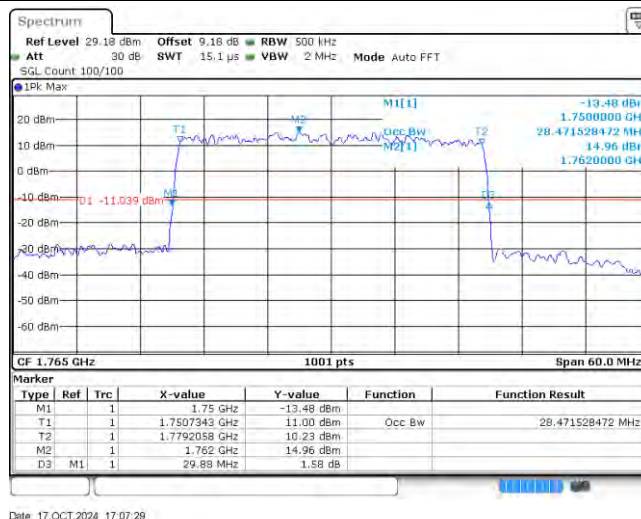
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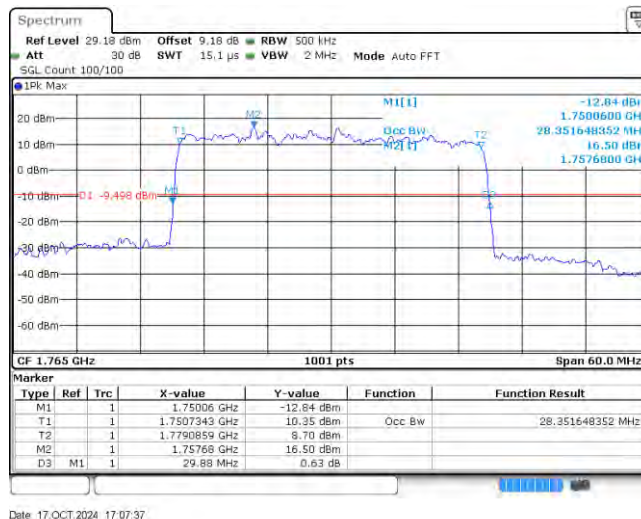


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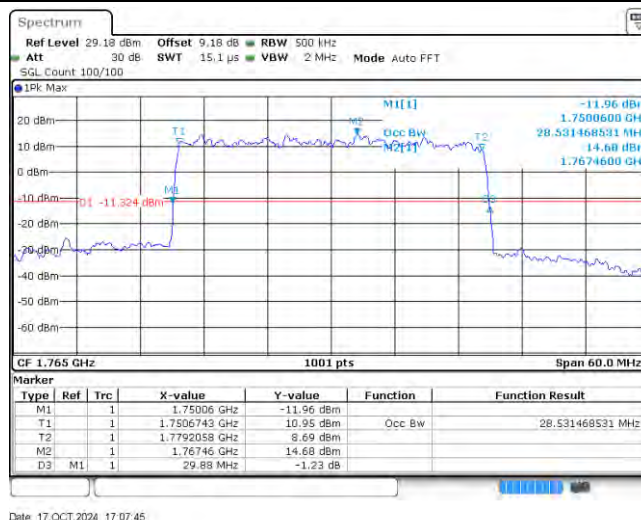
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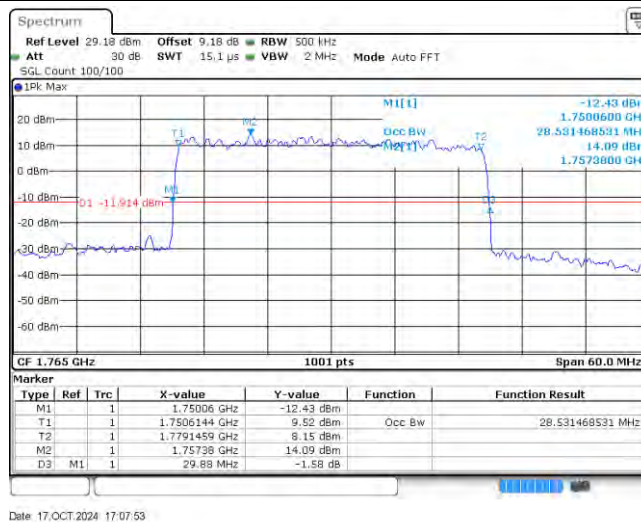
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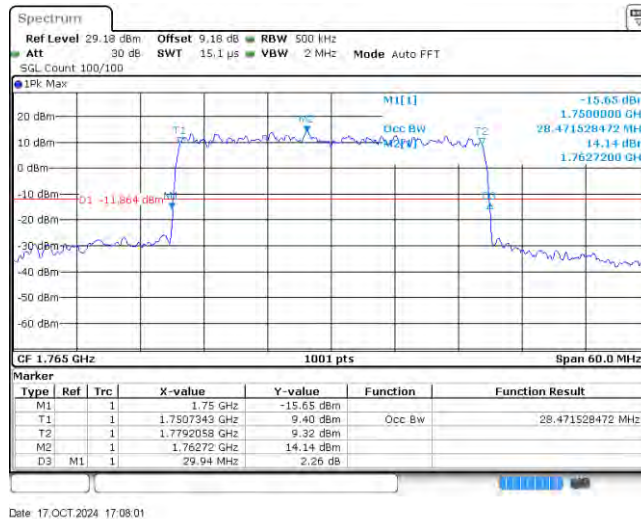
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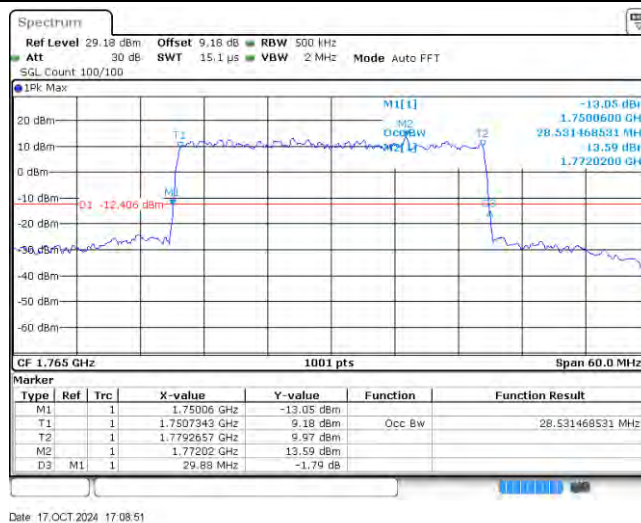
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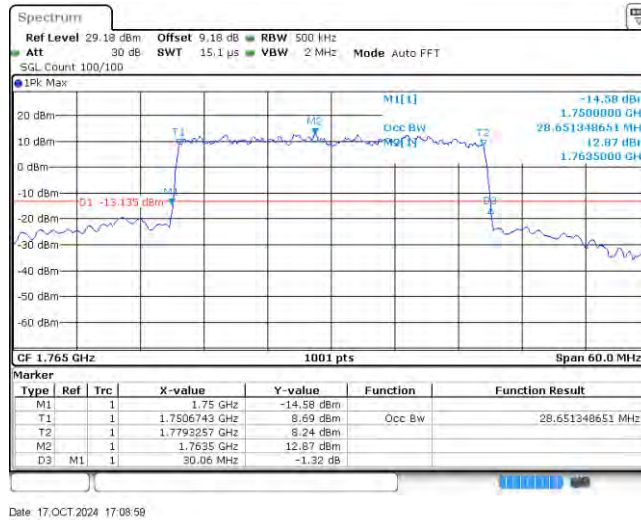
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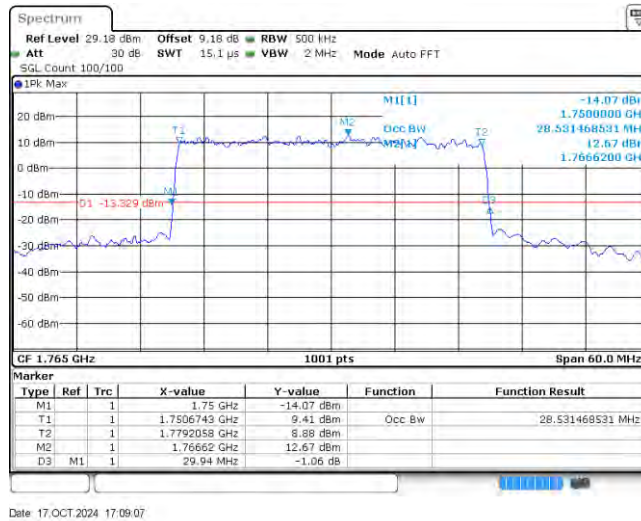
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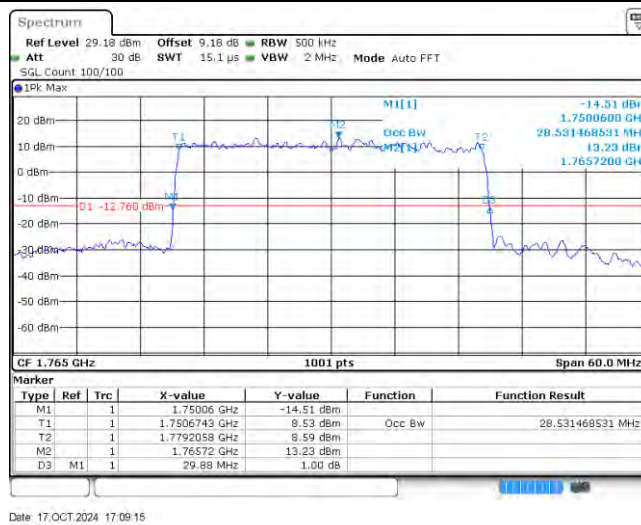
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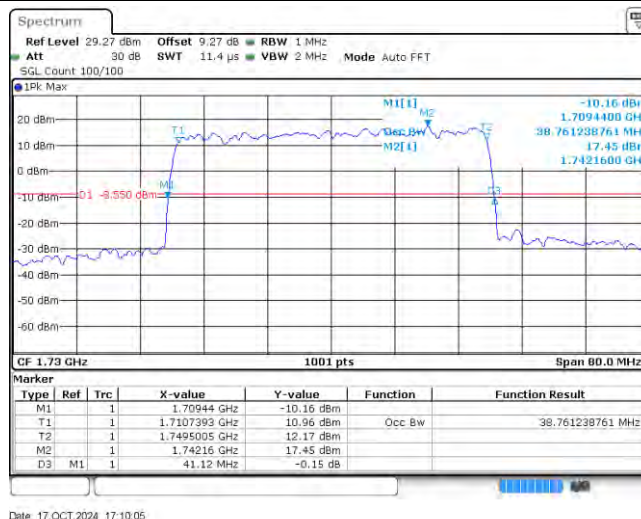
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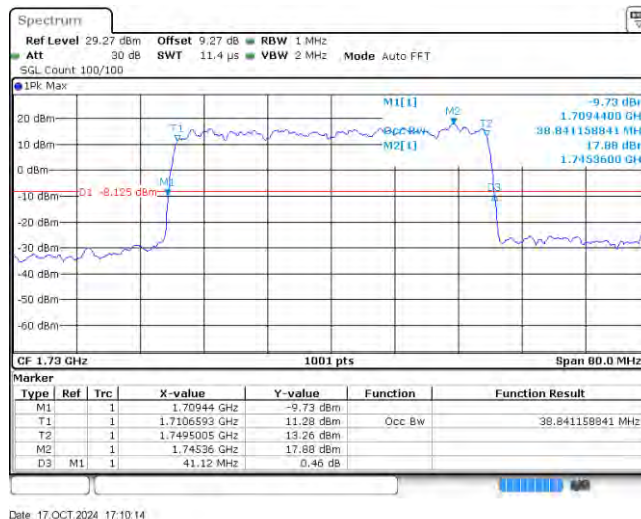
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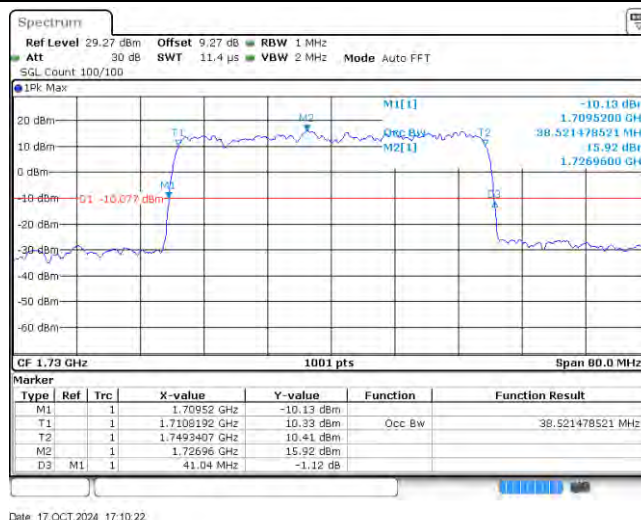
1-N66-PC3-15-30-H-9-CP-256QAM-Outer_Full-160@0-Ant5-28.531-29.880-≤30-PASS



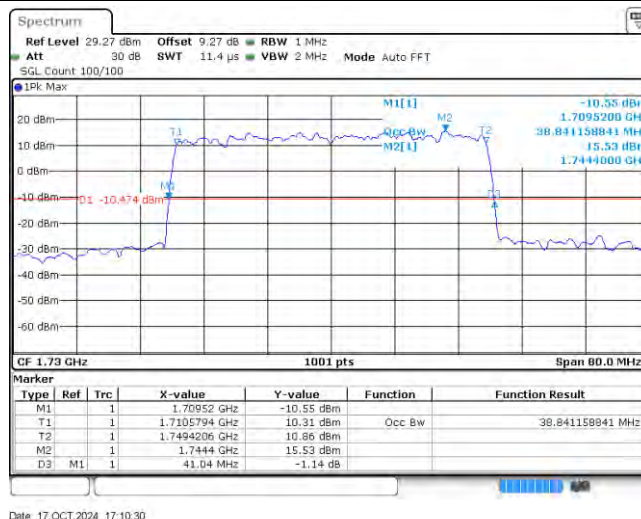
1-N66-PC3-15-40-L-1-DFT-QPSK-Outer_Full-216@0-Ant5-38.761-41.120-≤40-PASS



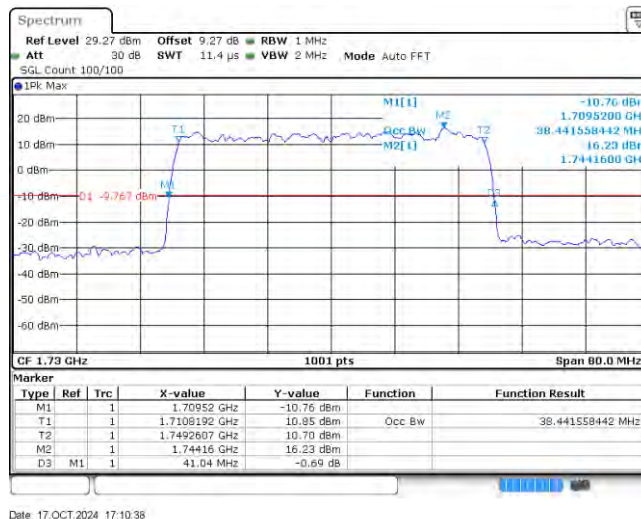
1-N66-PC3-15-40-L-2-DFT-PI2BPSK-Outer_Full-216@0-Ant5-38.841-41.120-≤40-PASS



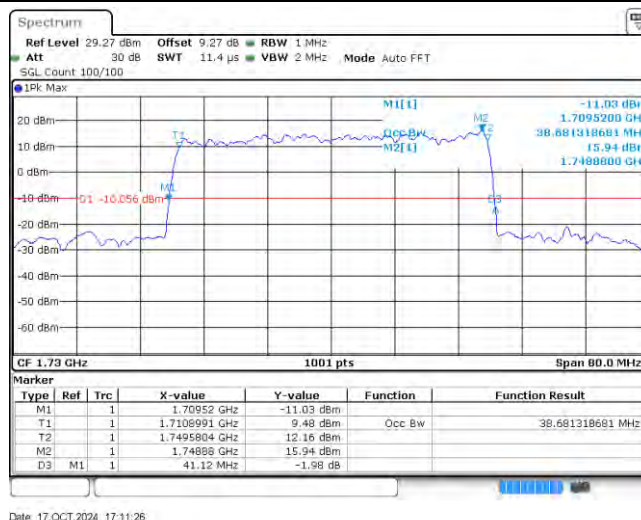
1-N66-PC3-15-40-L-3-DFT-16QAM-Outer_Full-216@0-Ant5-38.521-41.040-≤40-PASS



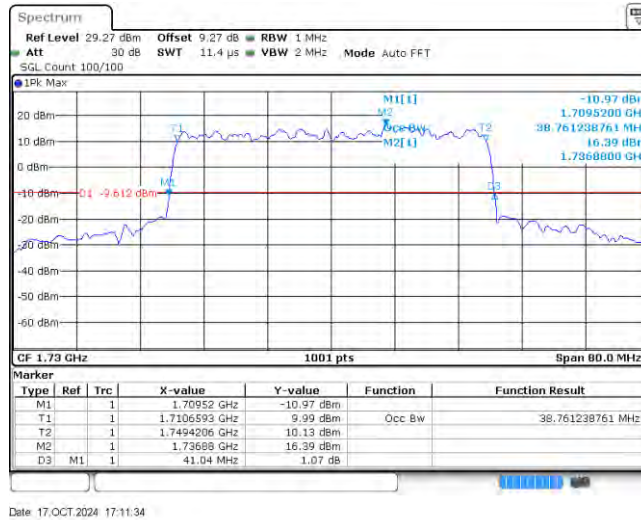
1-N66-PC3-15-40-L-4-DFT-64QAM-Outer_Full-216@0-Ant5-38.841-41.040-≤40-PASS



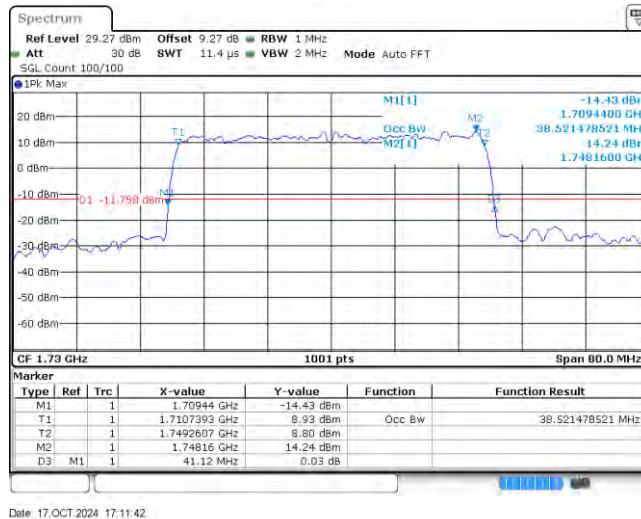
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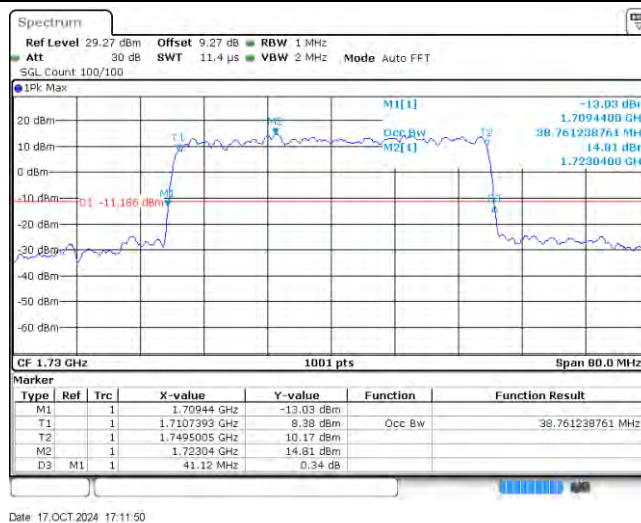
1-N66-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant5-38.681-41.120-≤40-PASS



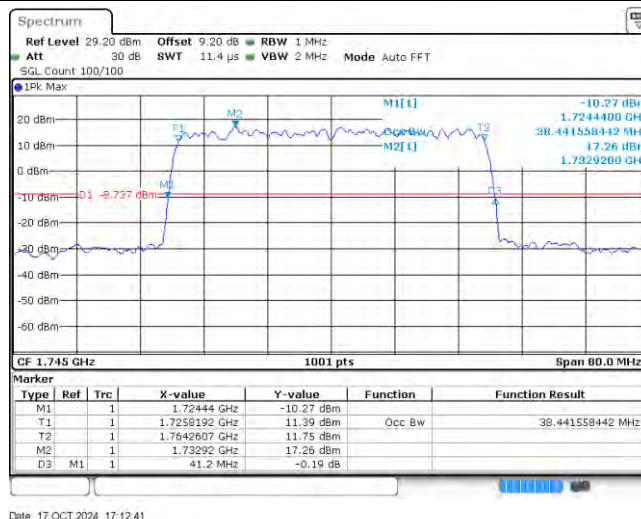
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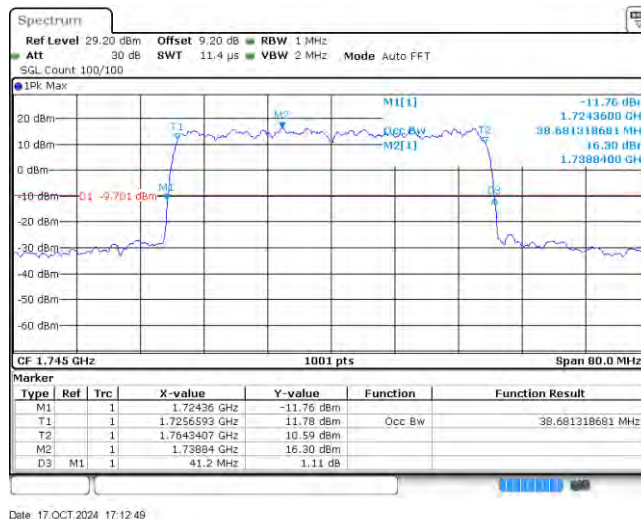
1-N66-PC3-15-40-L-8-CP-64QAM-Outer_Full-216@0-Ant5-38.521-41.120-≤40-PASS



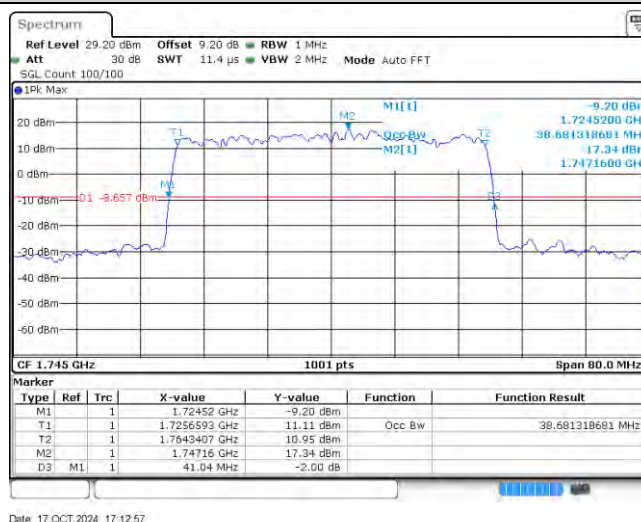
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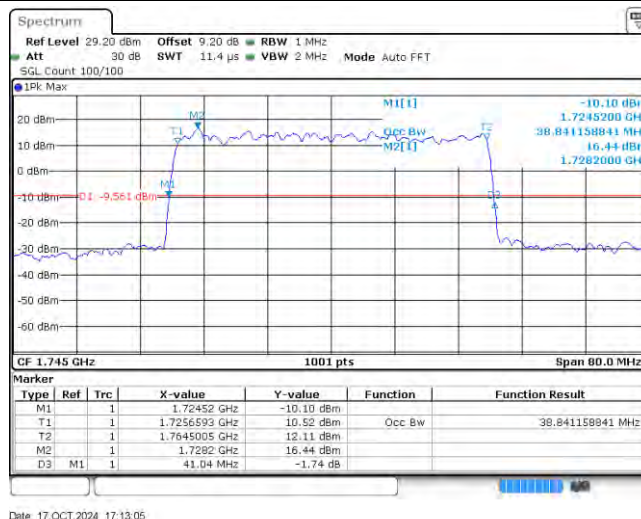
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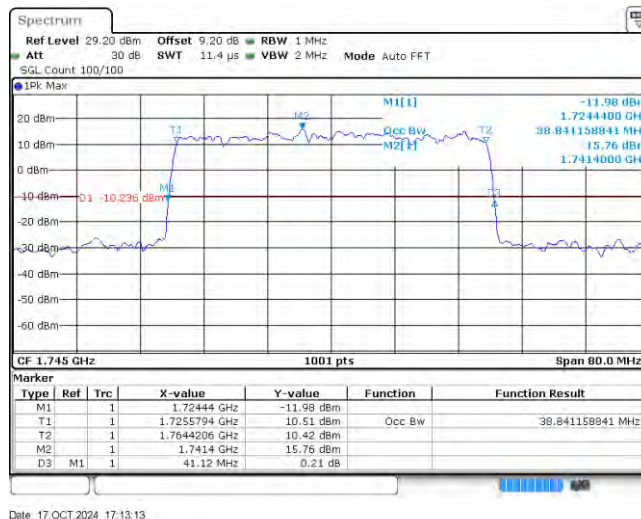
1-N66-PC3-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant5-38.681-41.200-≤40-PASS



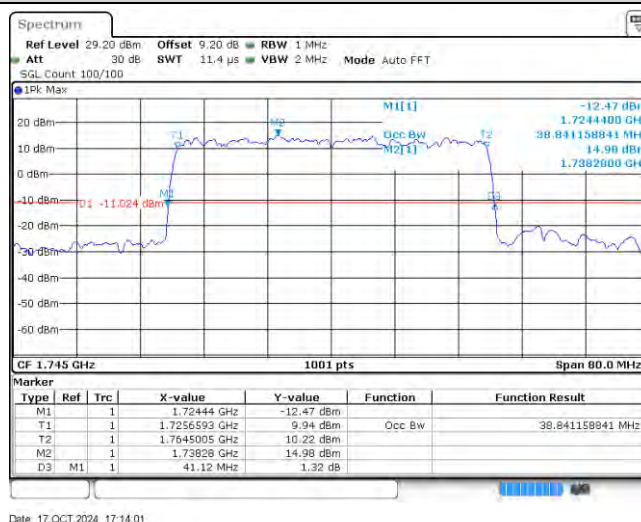
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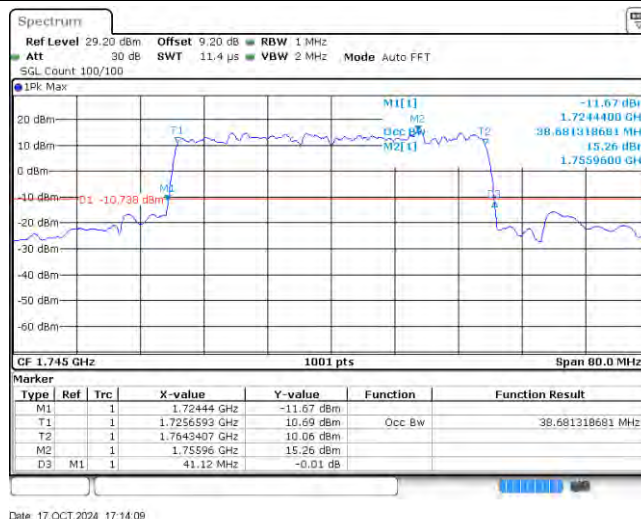
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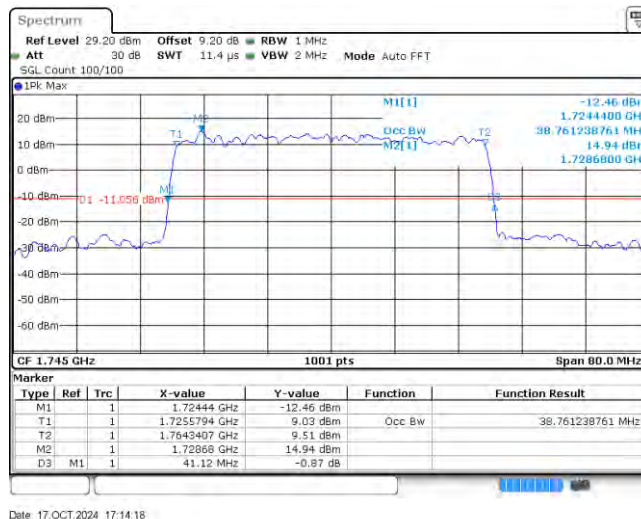
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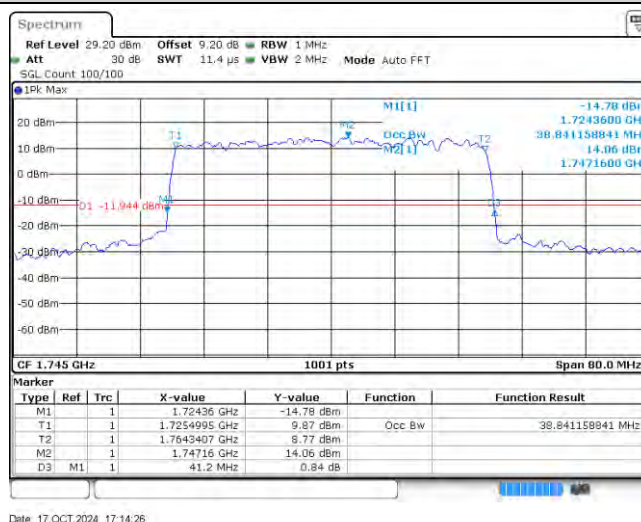
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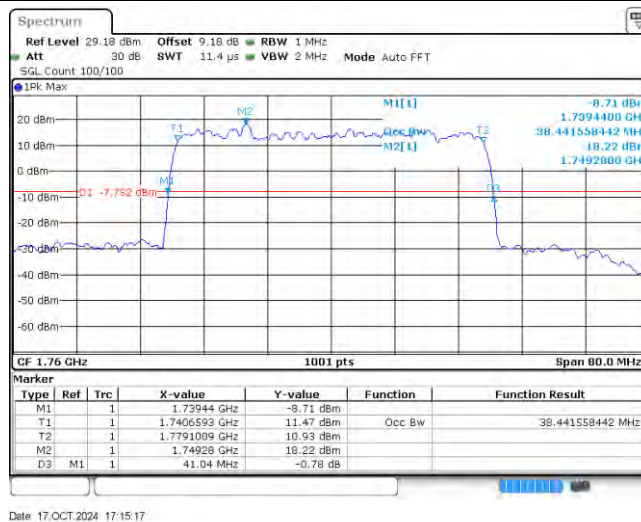
1-N66-PC3-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant5-38.681-41.120-≤40-PASS



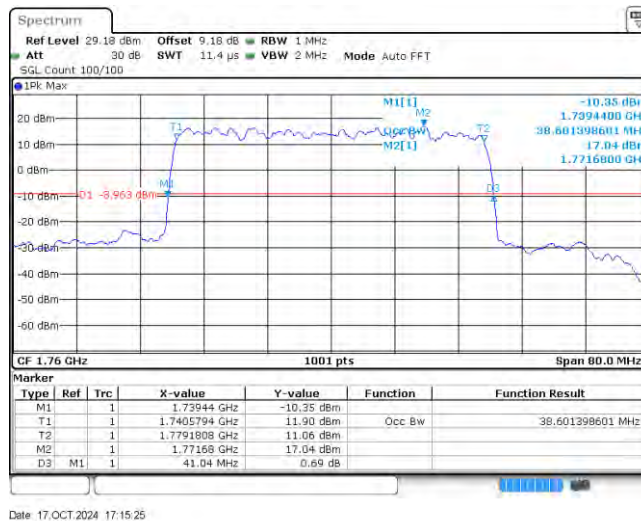
1-N66-PC3-15-40-M-8-CP-64QAM-Outer_2-Full-216@0-Ant5-38.761-41.120-≤40-PASS



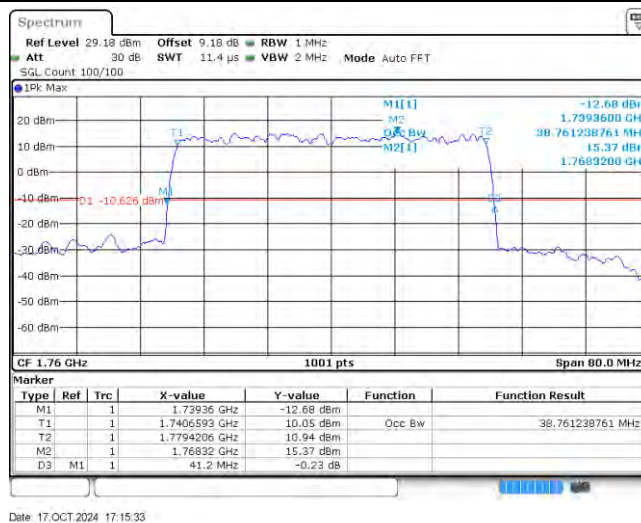
1-N66-PC3-15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant5-38.841-41.200-≤40-PASS



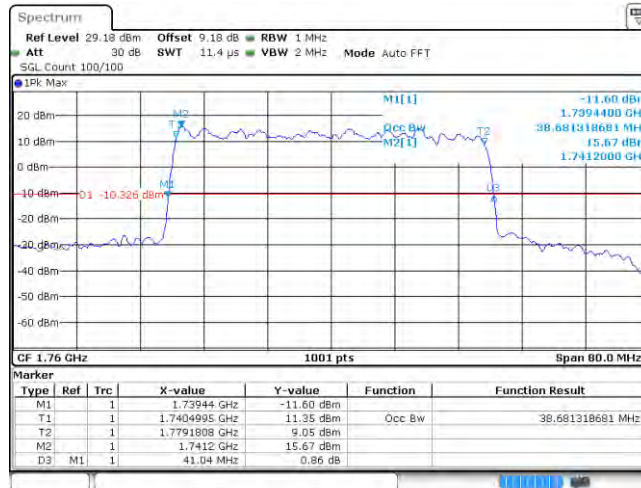
1-N66-PC3-15-40-H-1-DFT-QPSK-Out_Full-216@0-Ant5-38.442-41.040-≤40-PASS



1-N66-PC3-15-40-H-2-DFT-PI2BPSK-Out_Full-216@0-Ant5-38.601-41.040-≤40-PASS

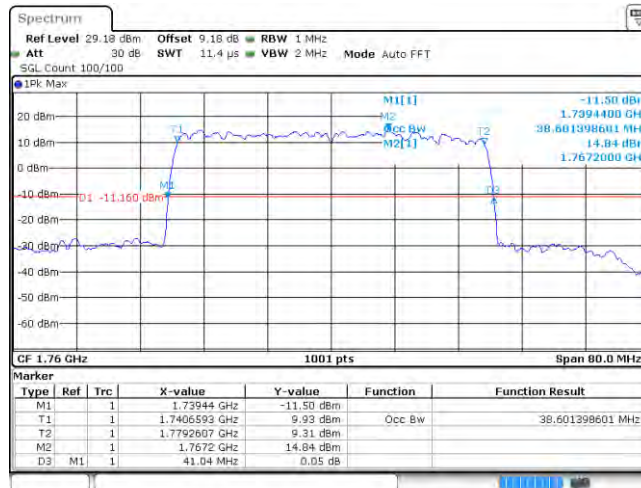


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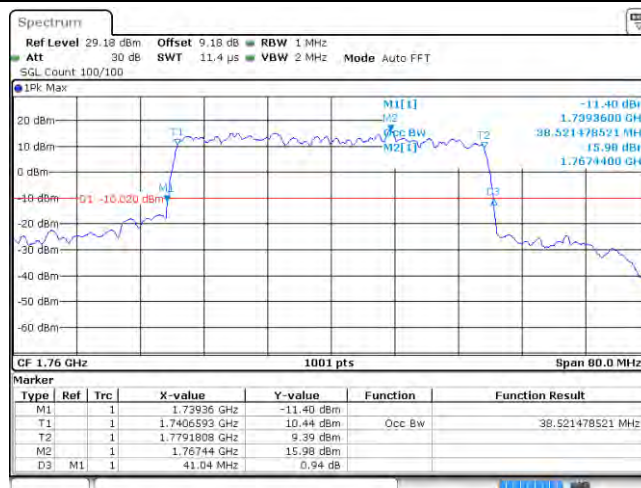
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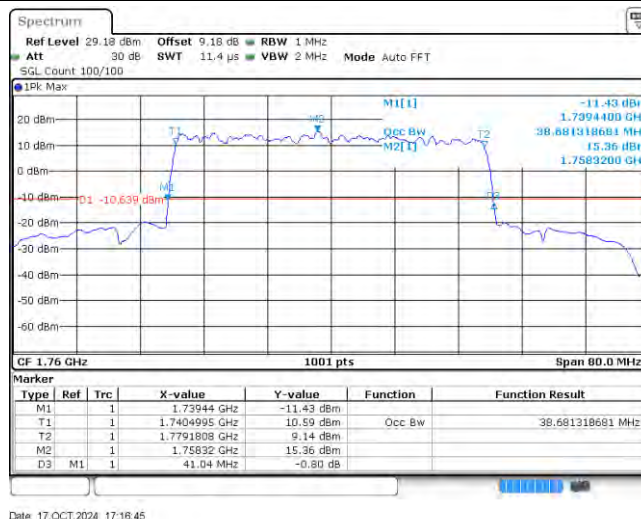
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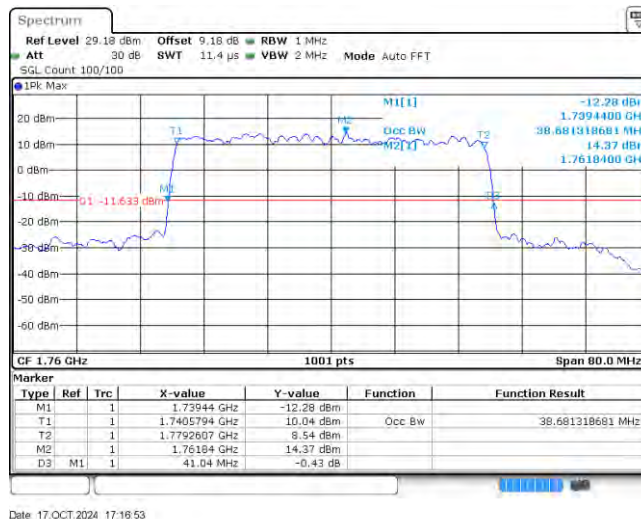


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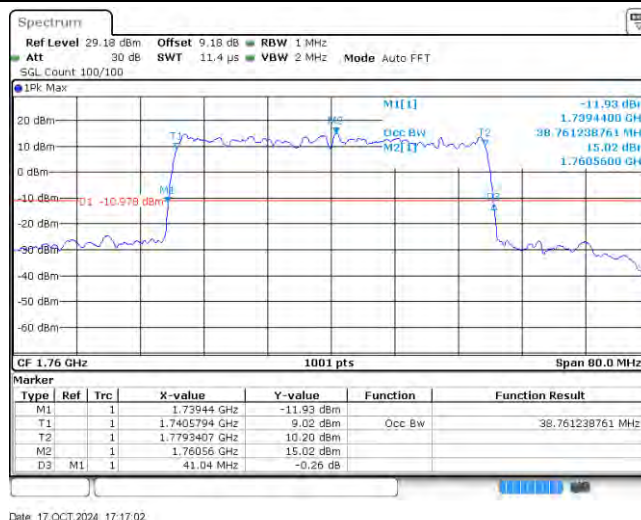
1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant5-38.521-41.040-≤40-PASS



1-N66-PC3-15-40-H-7-CP-16QAM-Outer_Full-216@0-Ant5-38.681-41.040-≤40-PASS



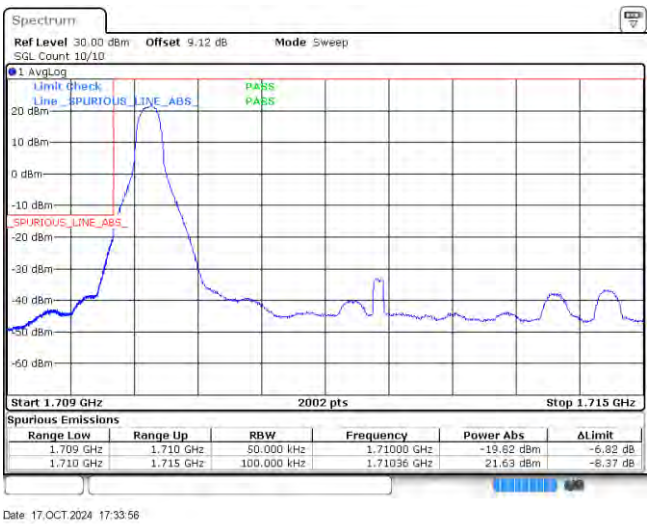
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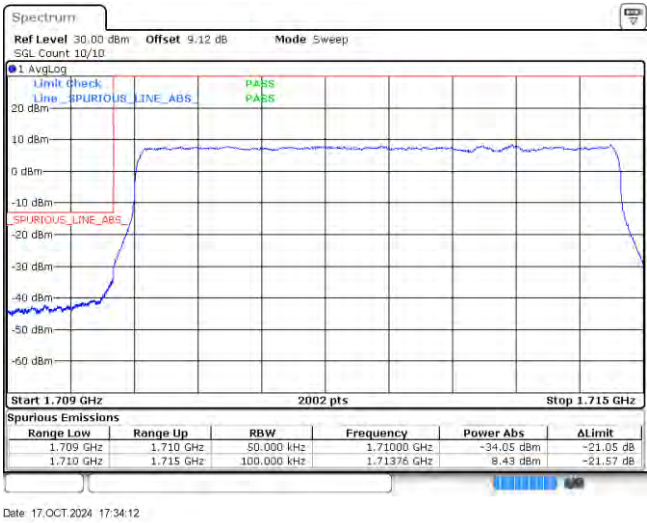
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Band Edge for SA

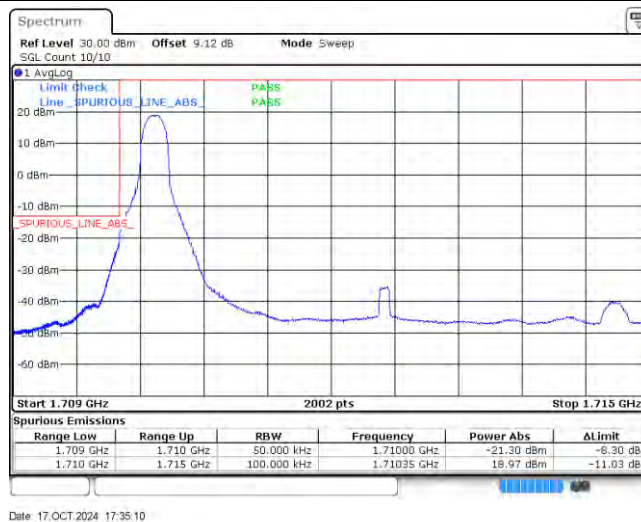
Test Graphs



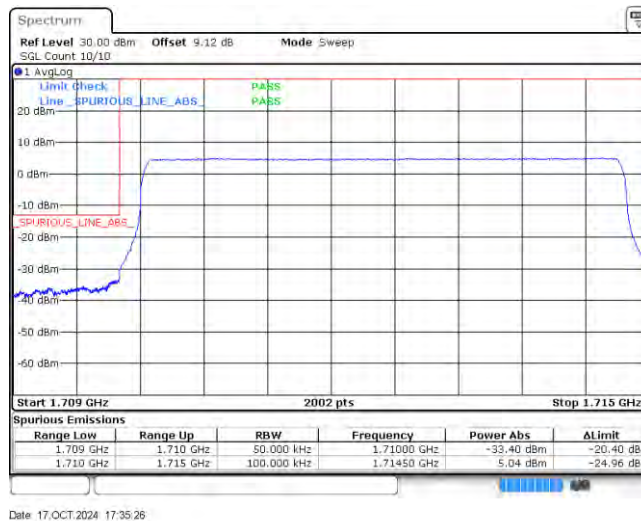
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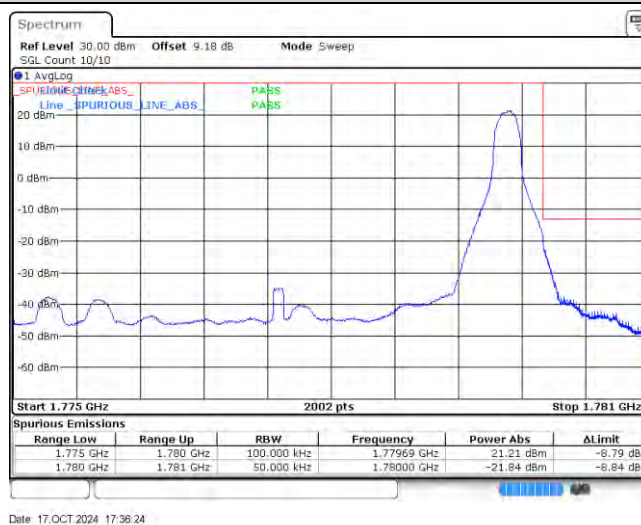
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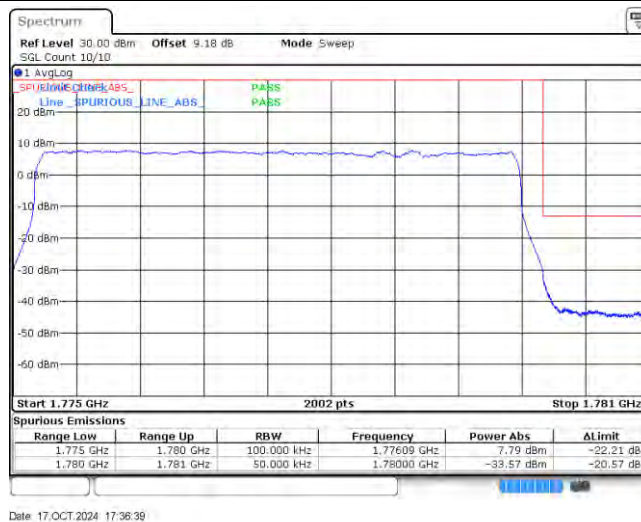
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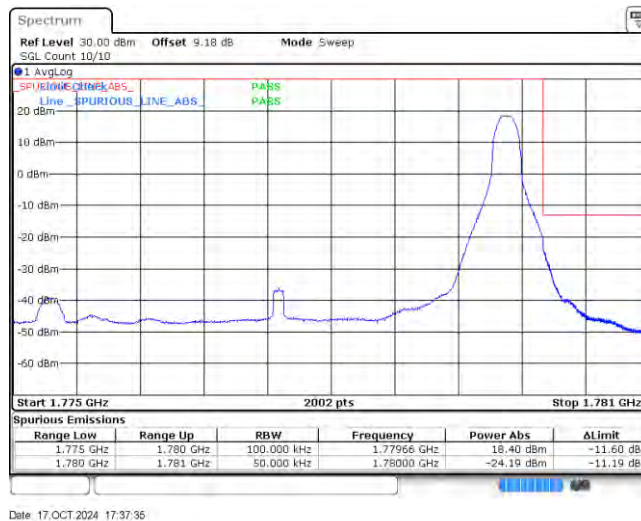
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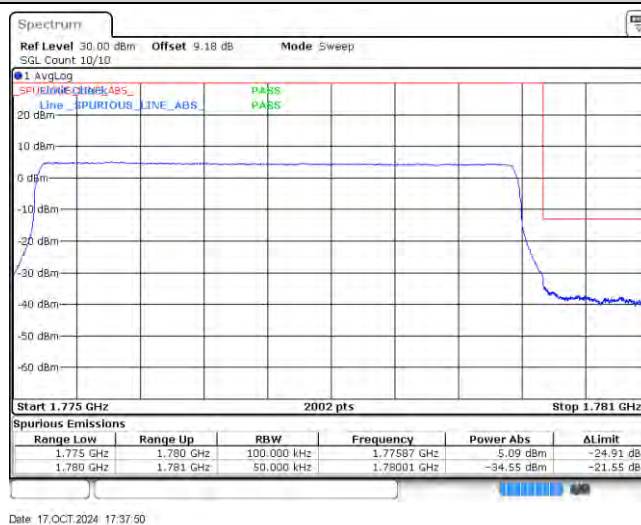
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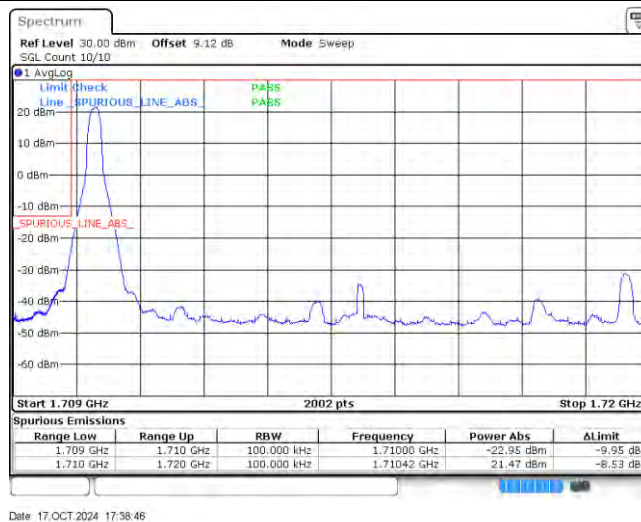
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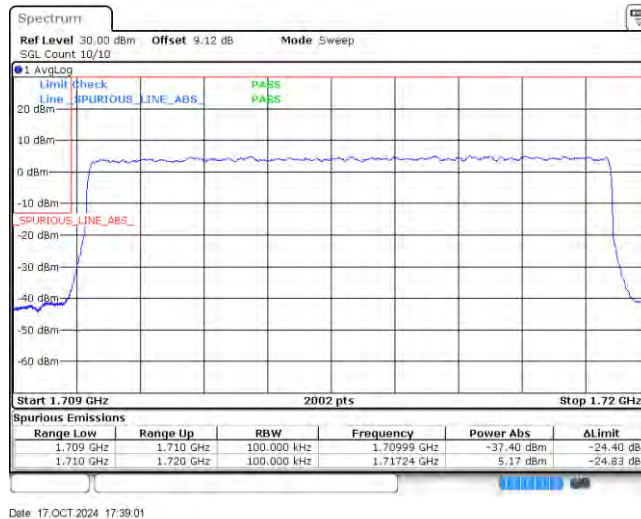
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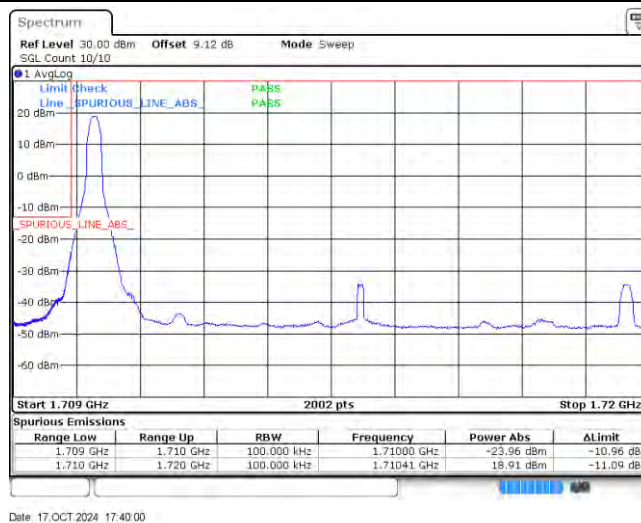
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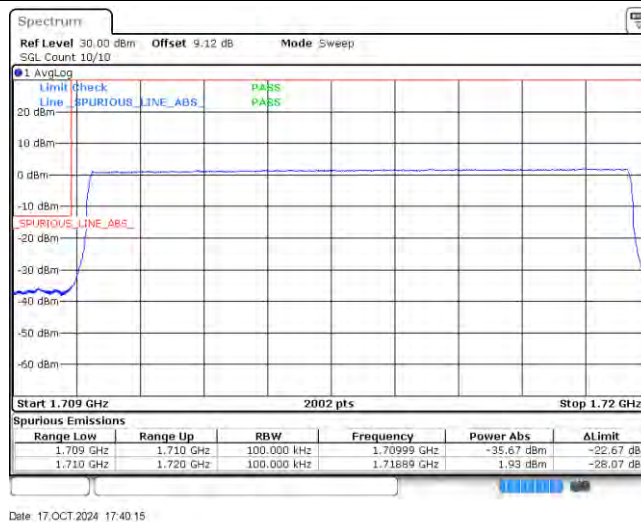
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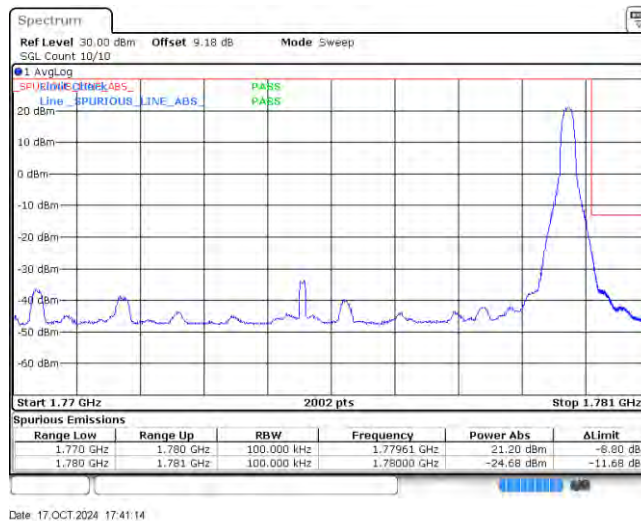
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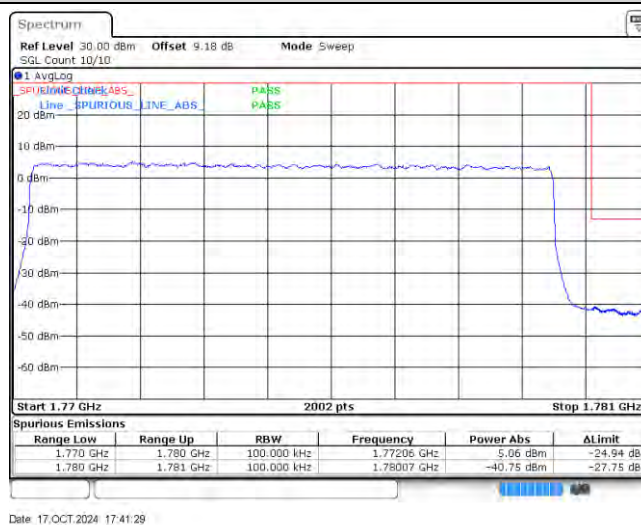
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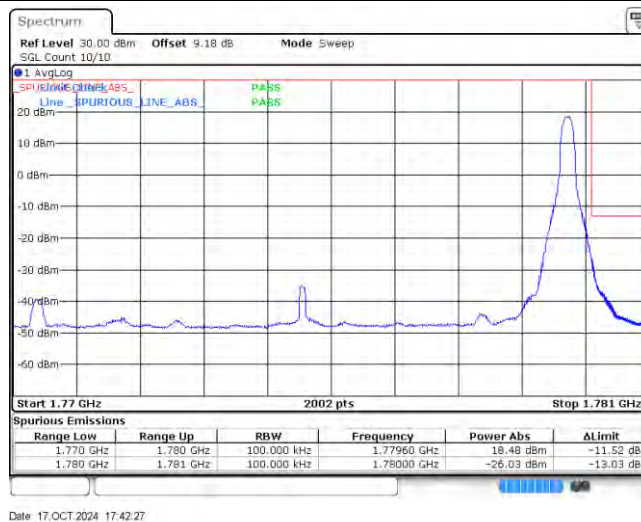
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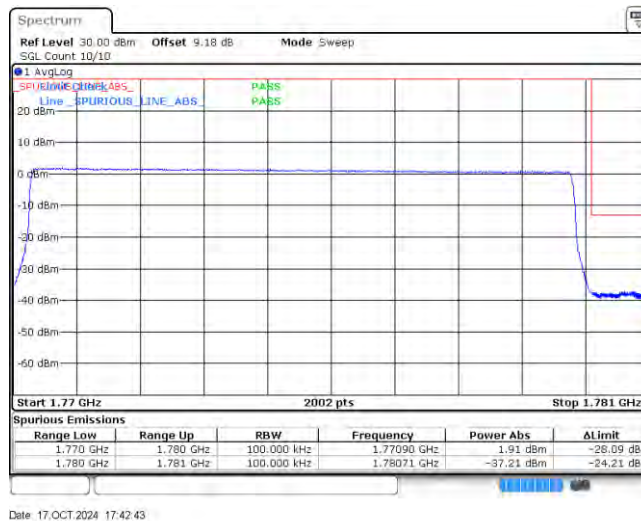
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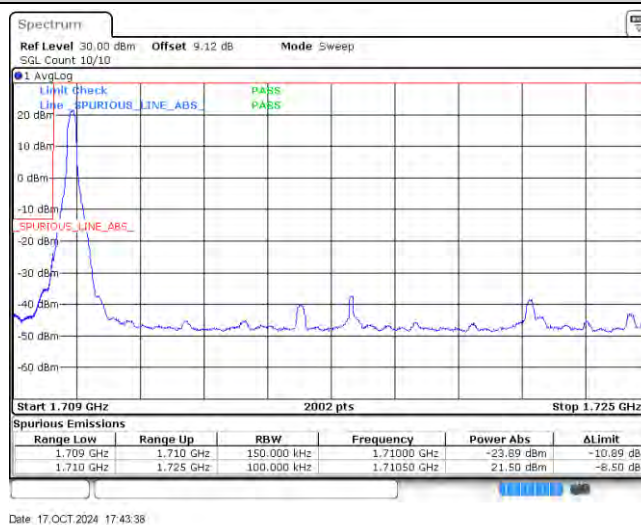
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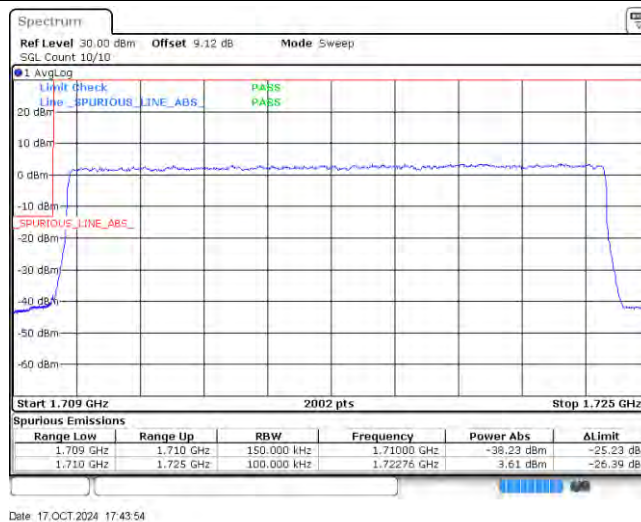
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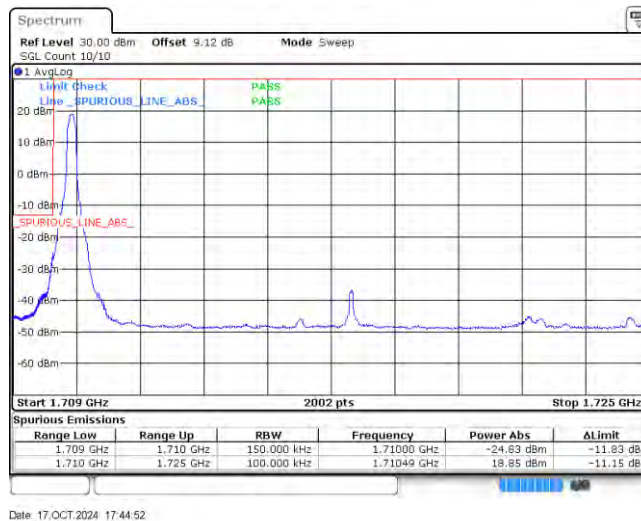
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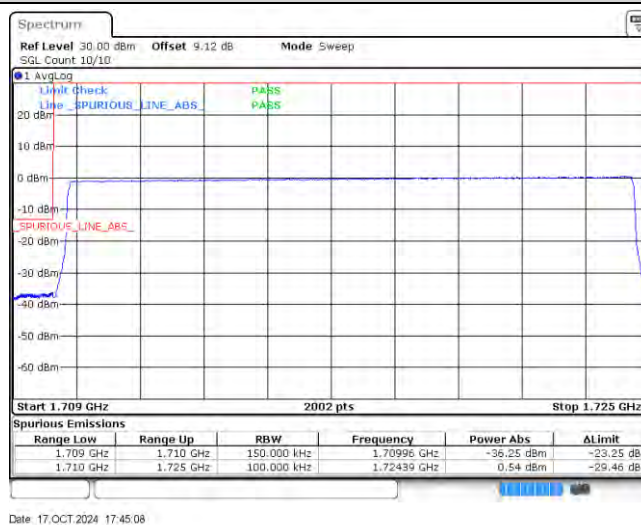
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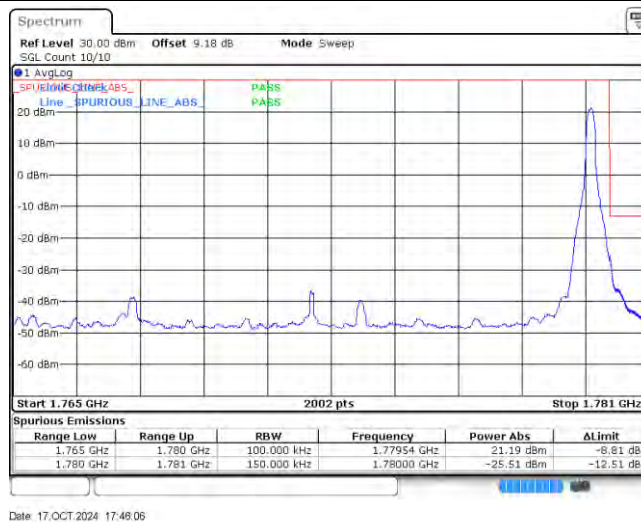
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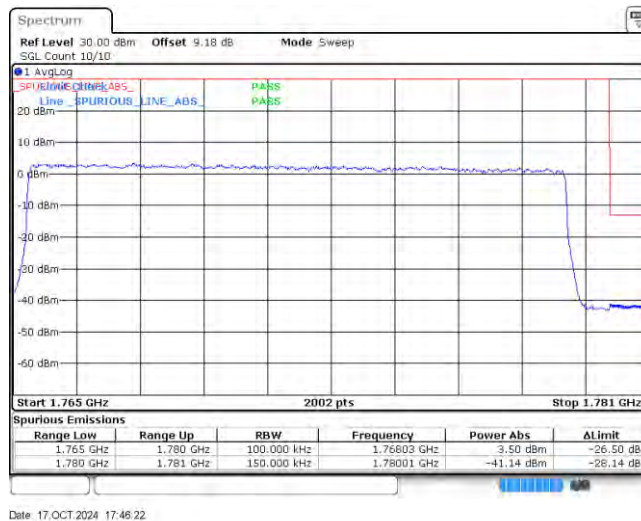
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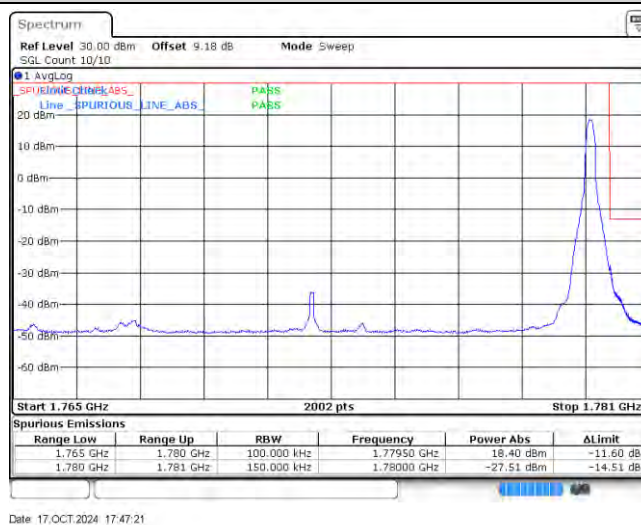
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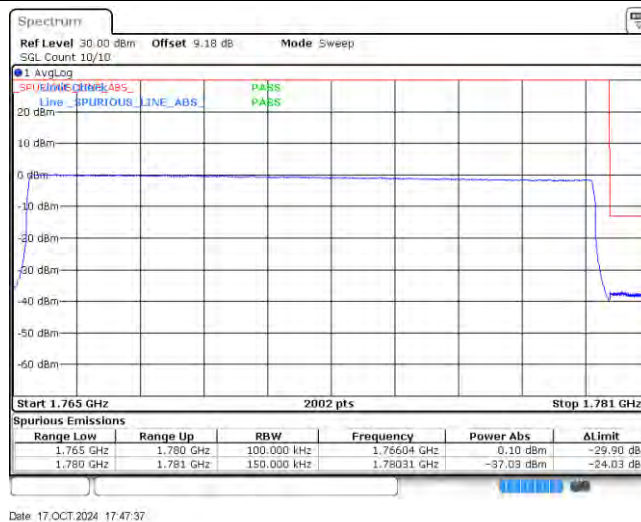
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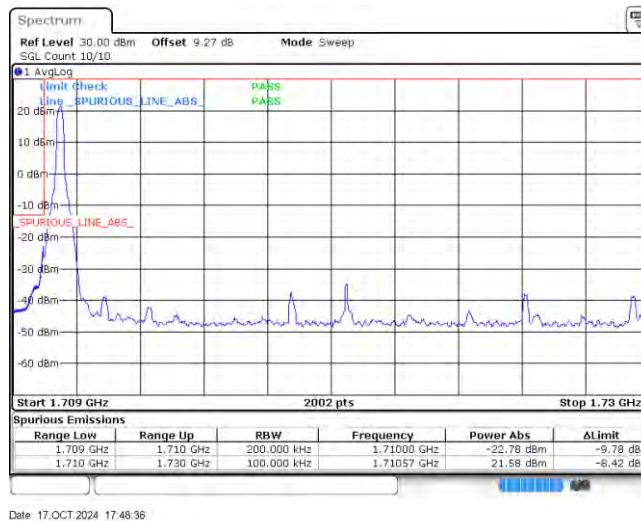
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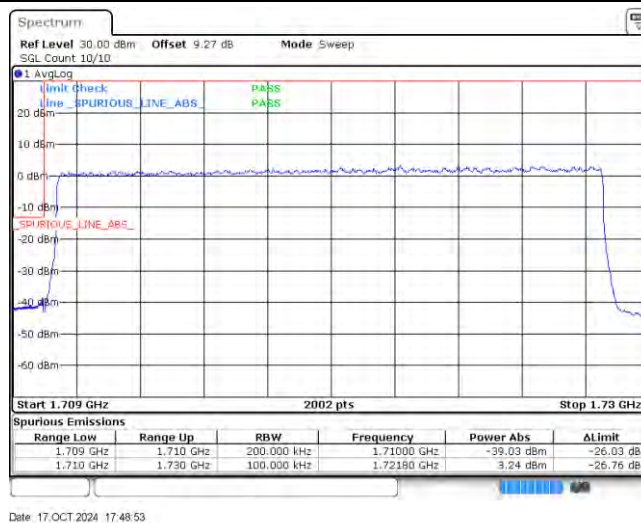
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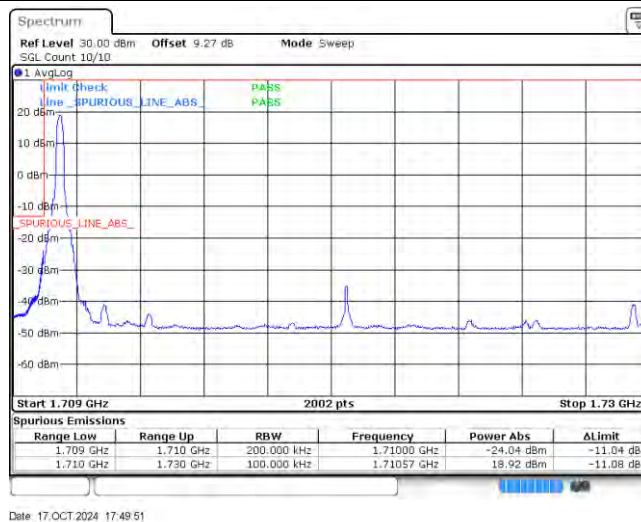
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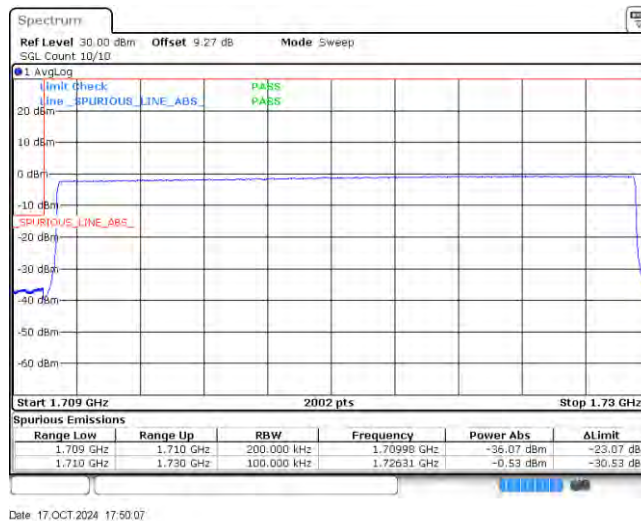
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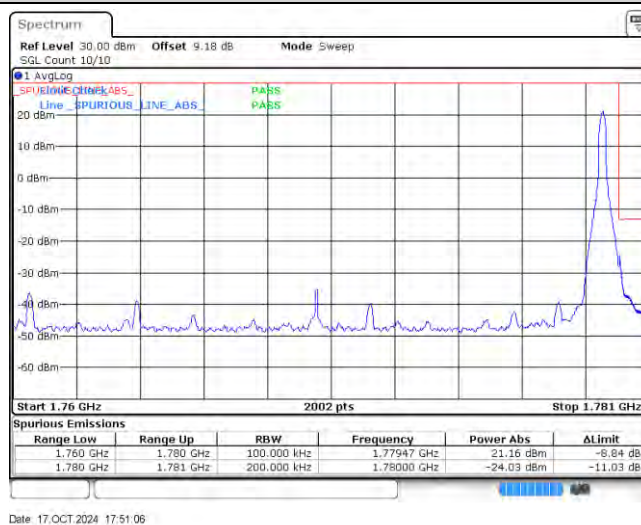
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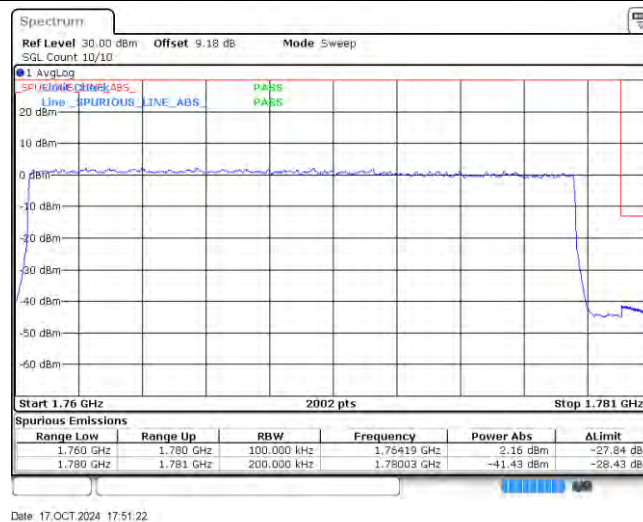
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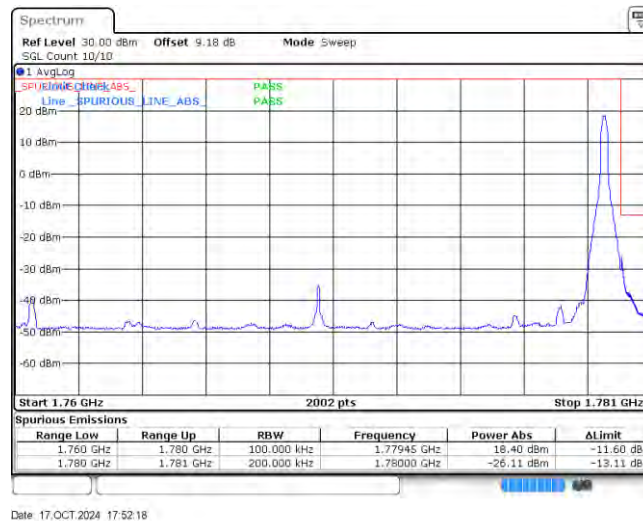
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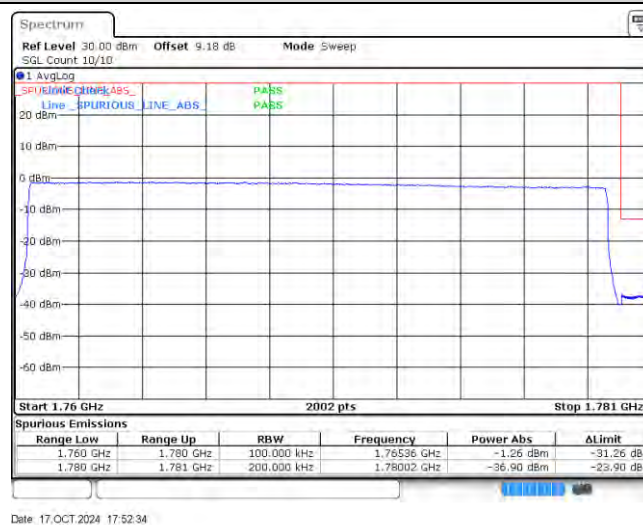
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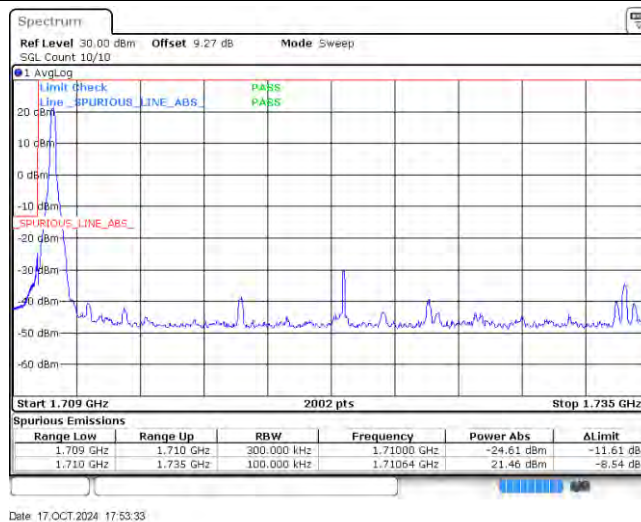
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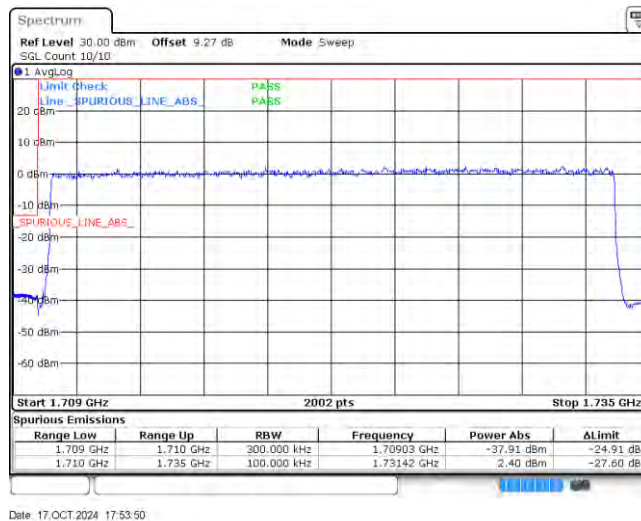
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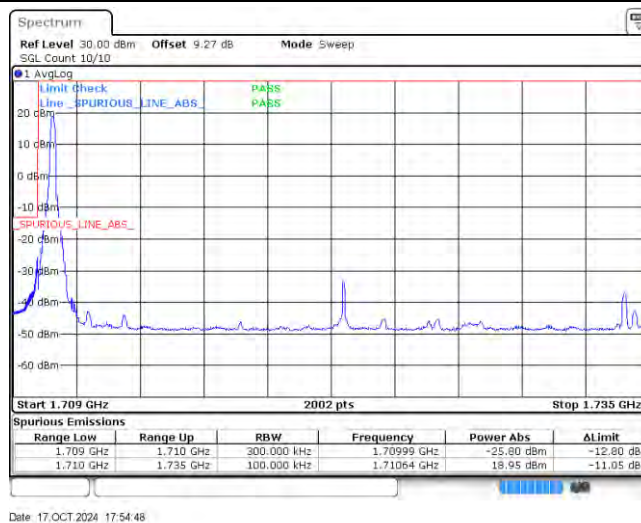
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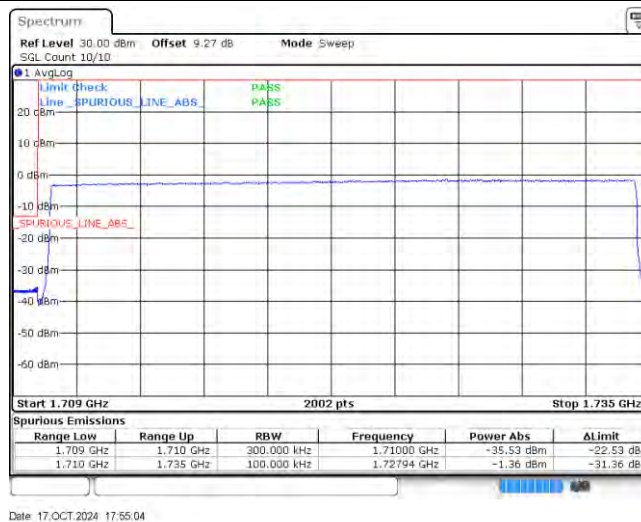
1-N66-PC3-15-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-1710.00-11.61--24.61-PASS



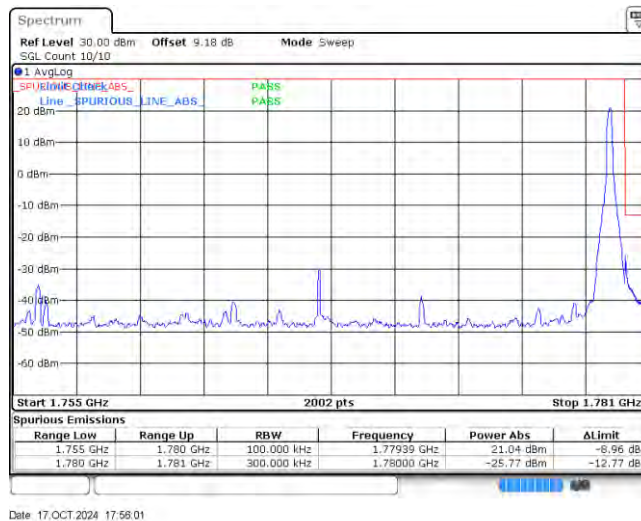
1-N66-PC3-15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant5-1709.03-24.91--37.91-PASS



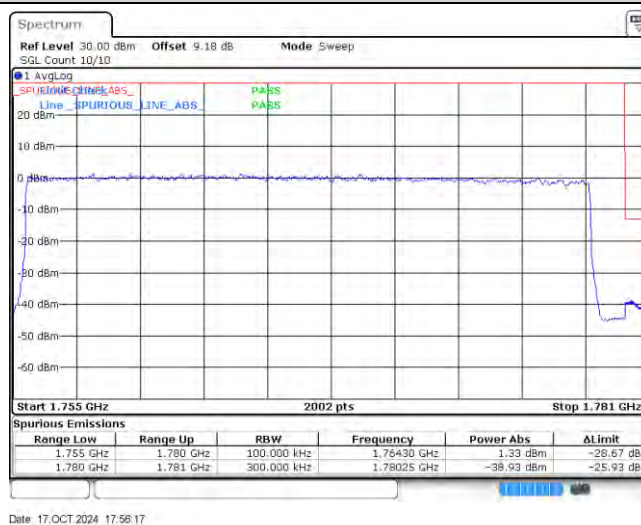
1-N66-PC3-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1709.99-12.80--25.80-PASS



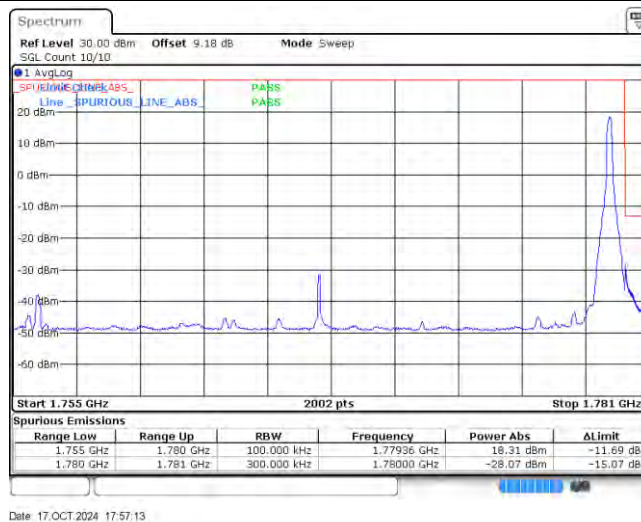
1-N66-PC3-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant5-1710.00-22.53--35.53-PASS



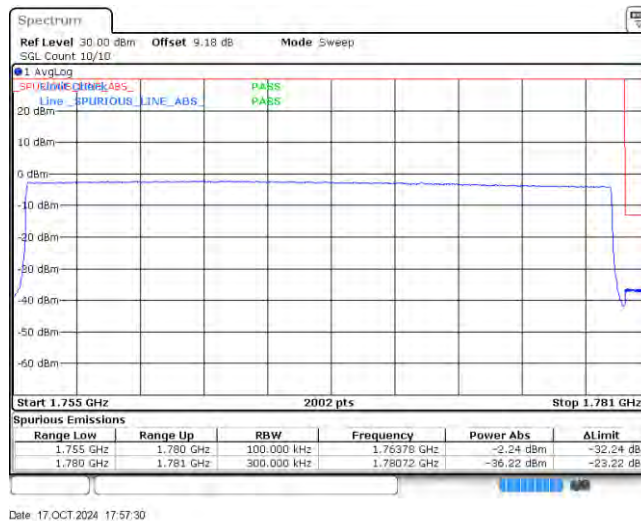
1-N66-PC3-15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant5-1780.00-12.77--25.77-PASS



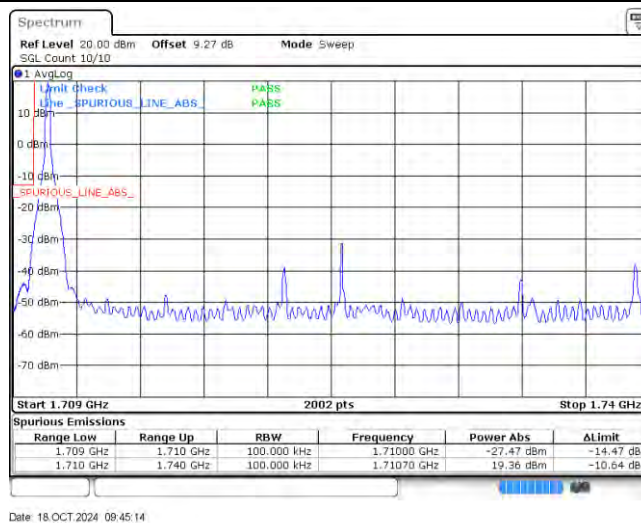
1-N66-PC3-15-25-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant5-1780.25-25.93--38.93-PASS



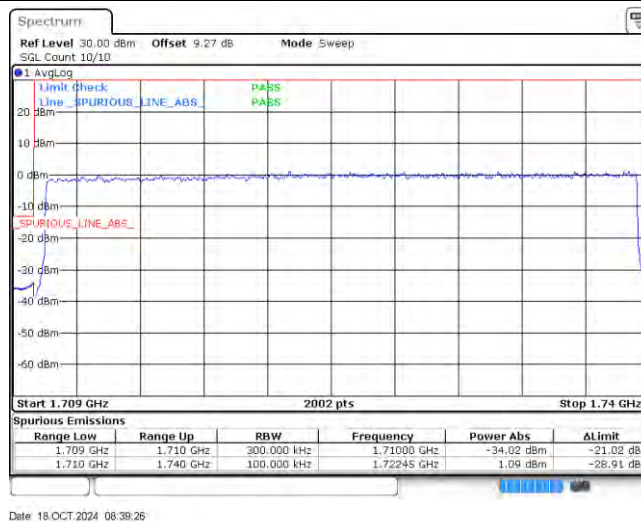
1-N66-PC3-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant5-1780.00-15.07--28.07-PASS



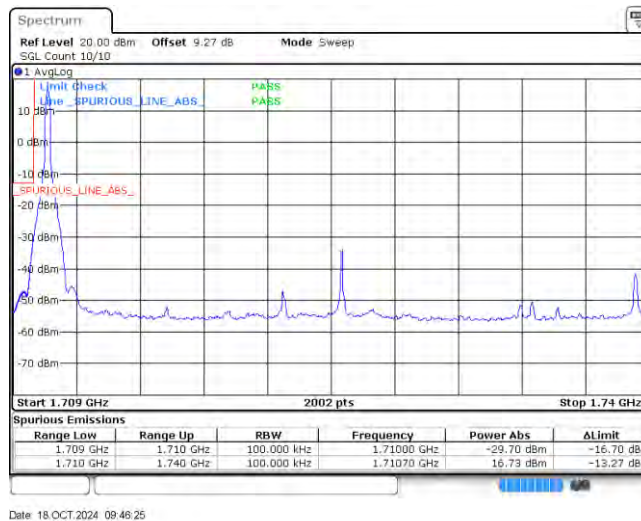
1-N66-PC3-15-25-H-6-CP-QPSK-Outer_Full-133@0-Ant5-1780.72-23.22--36.22-PASS



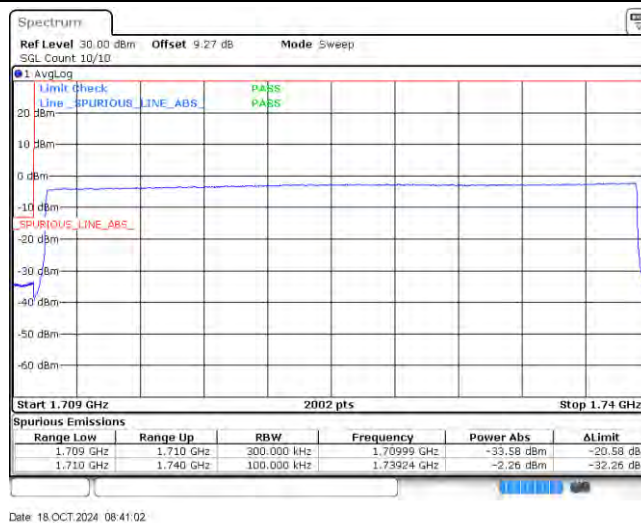
1-N66-PC3-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-1710.00-14.47--27.47-PASS



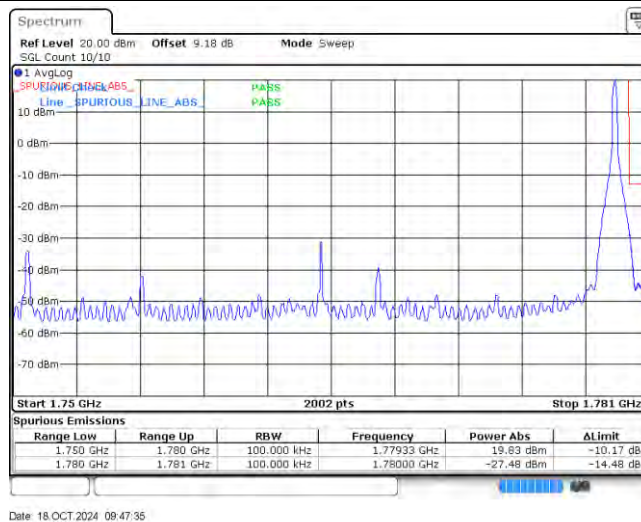
1-N66-PC3-15-30-L-3-DFT-PI2BPSK-Outter_Full-160@0-Ant5-1710.00-21.02--34.02-PASS



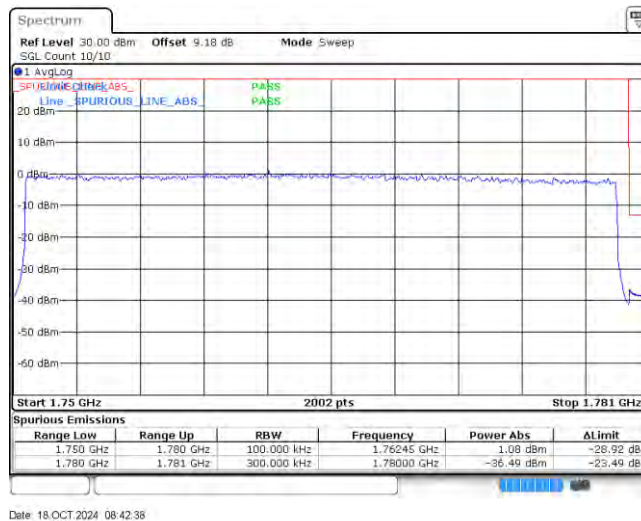
1-N66-PC3-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1710.00-16.70--29.70-PASS



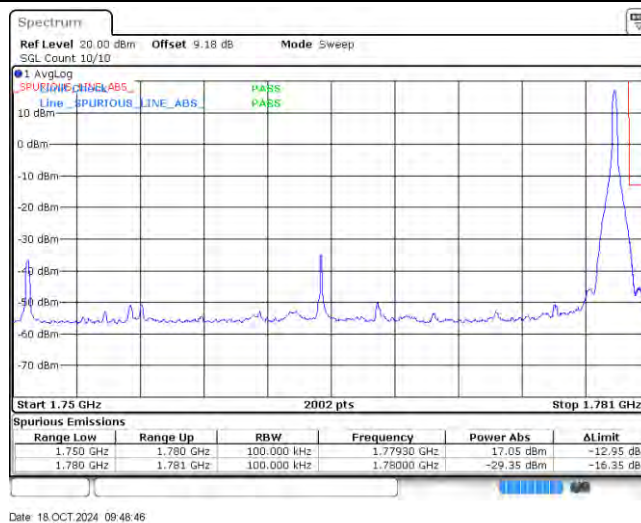
1-N66-PC3-15-30-L-6-CP-QPSK-Outter_Full-160@0-Ant5-1709.99-20.58--33.58-PASS



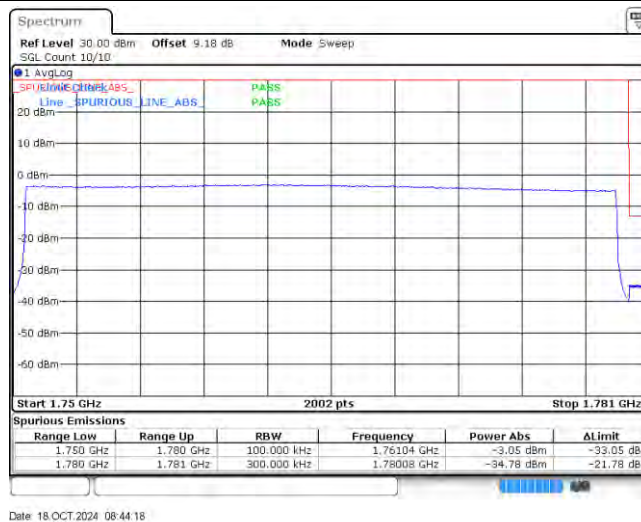
1-N66-PC3-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@159-Ant5-1780.00-14.48--27.48-PASS



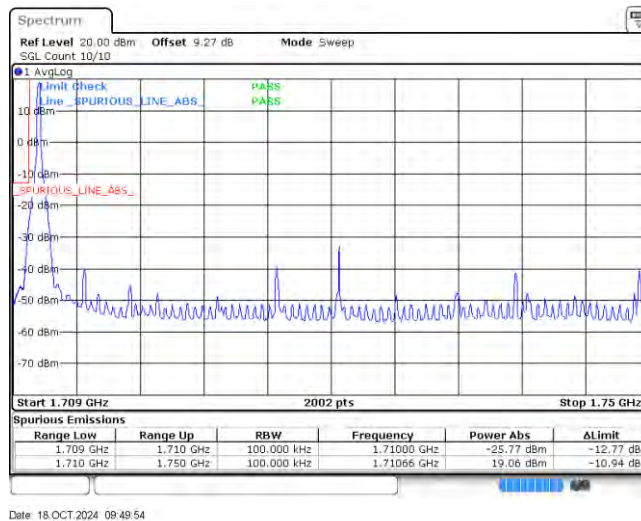
1-N66-PC3-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant5-1780.00-23.49--36.49-PASS



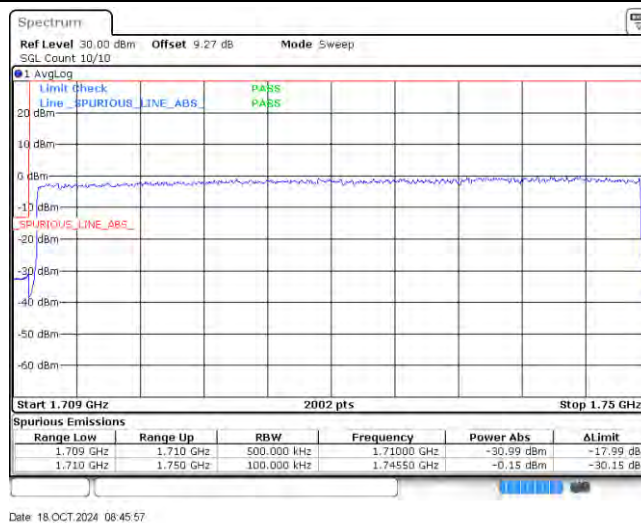
1-N66-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant5-1780.00-16.35--29.35-PASS



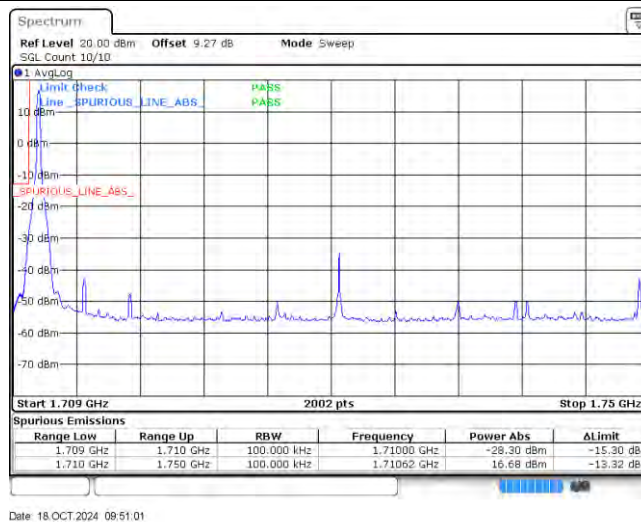
1-N66-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant5-1780.08-21.78--34.78-PASS



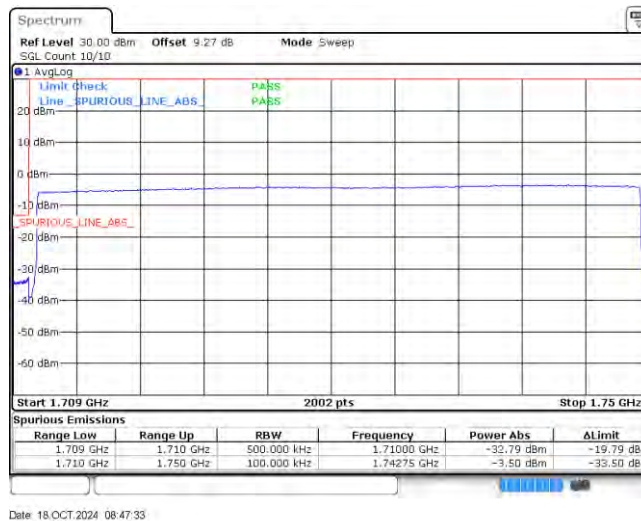
1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-1710.00-12.77--25.77-PASS



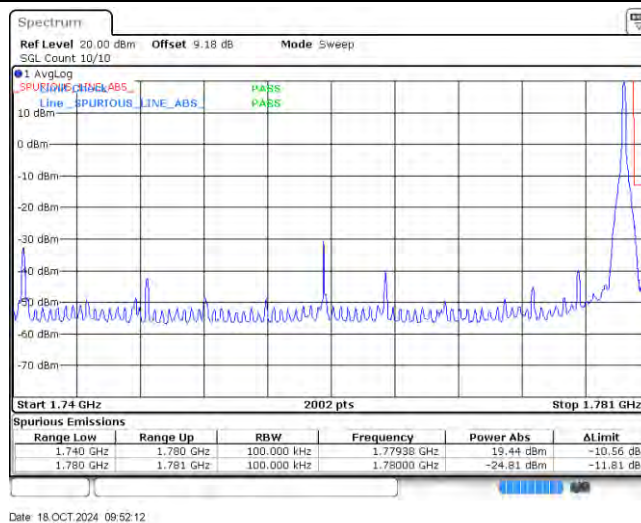
1-N66-PC3-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant5-1710.00-17.99--30.99-PASS



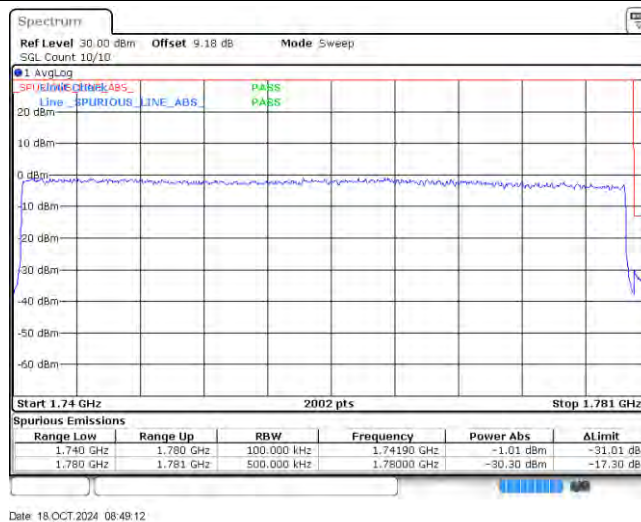
1-N66-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1710.00-15.30--28.30-PASS



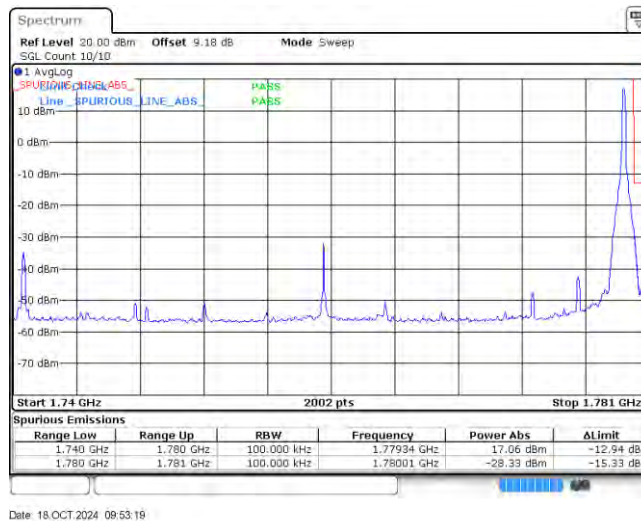
1-N66-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant5-1710.00-19.79--32.79-PASS



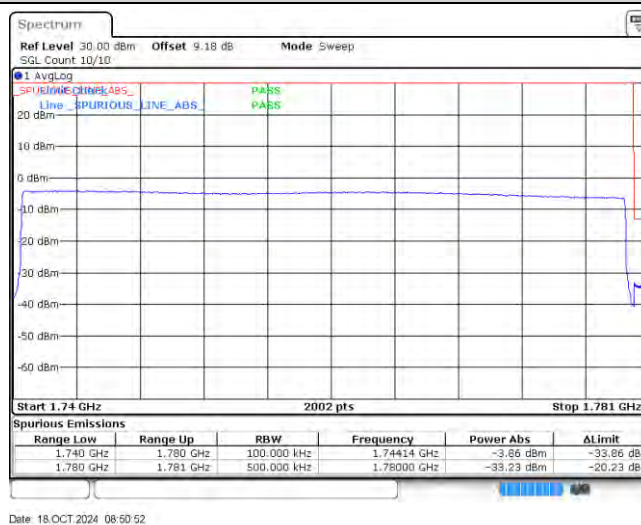
1-N66-PC3-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant5-1780.00-11.81--24.81-PASS



1-N66-PC3-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant5-1780.00-17.30--30.30-PASS



1-N66-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant5-1780.01-15.33--28.33-PASS



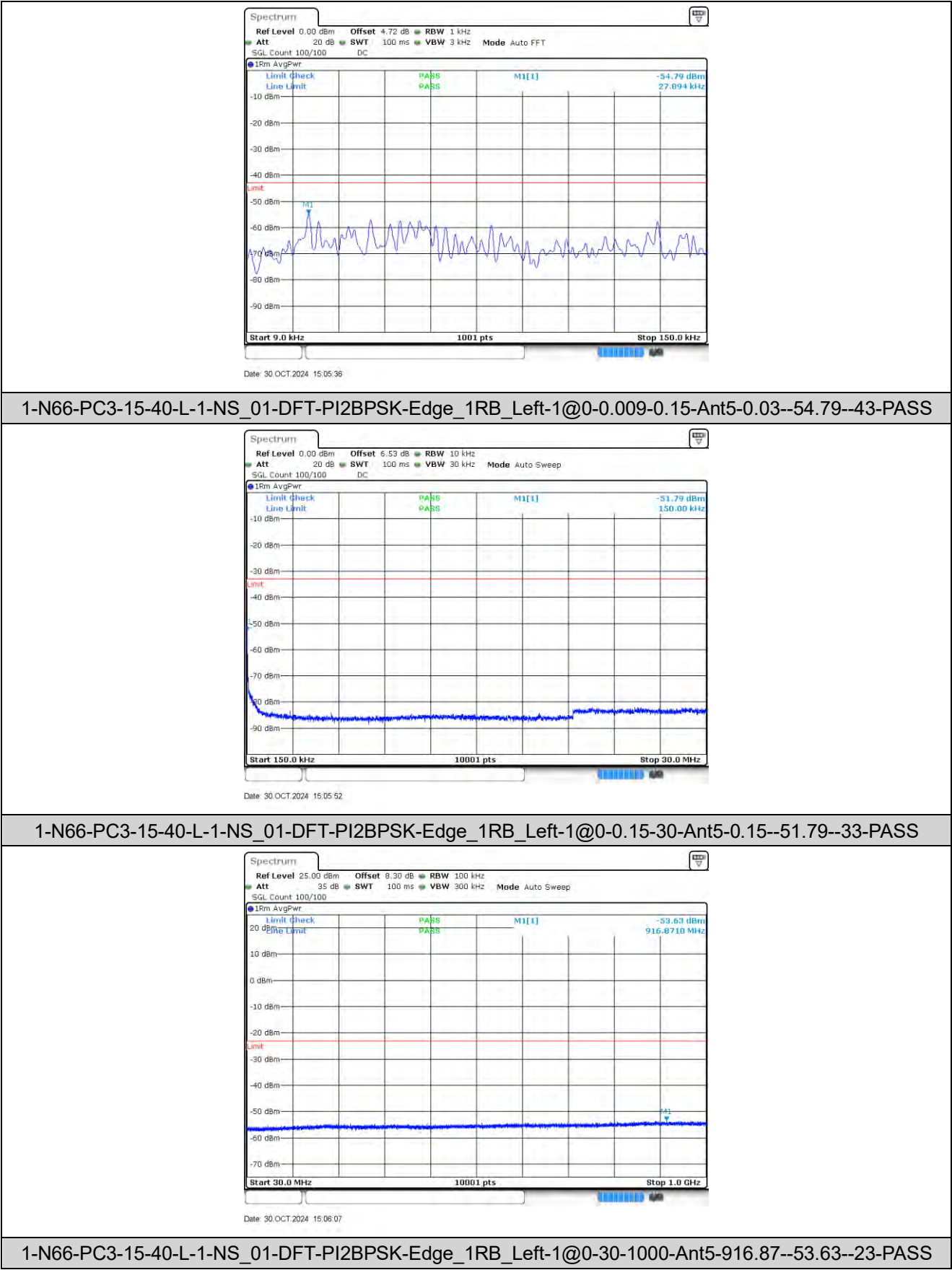
1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant5-1780.00-20.23--33.23-PASS

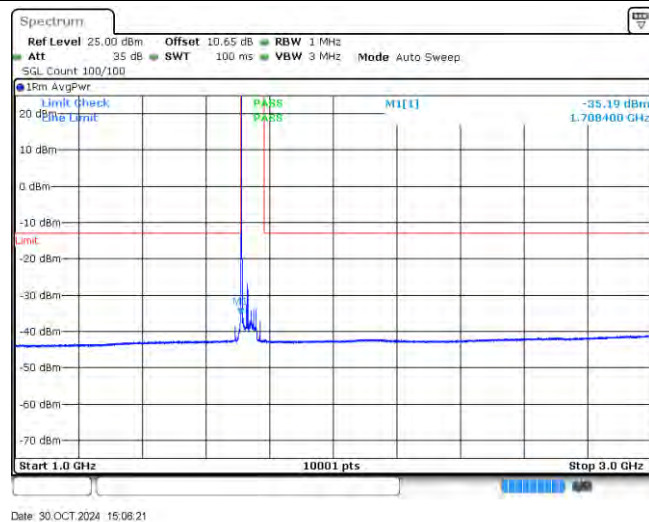
Conducted Spurious Emission for SA

Test Result

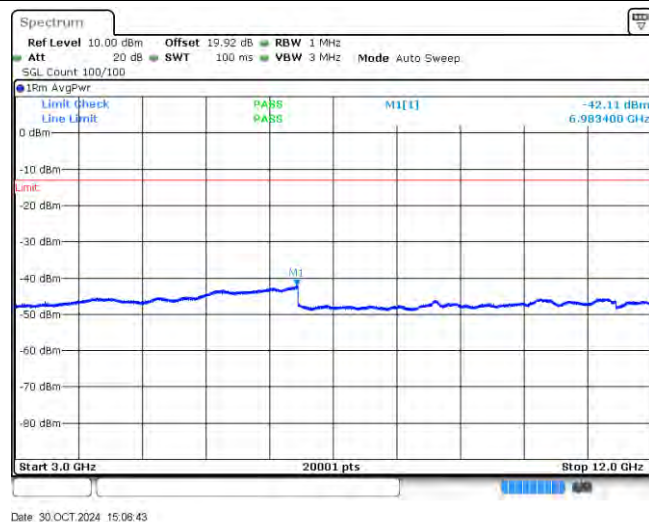
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N66	15	40	DFT-PI2BPSK	L	0.009	0.15	1@1	-54.79	-43	PASS
N66	15	40	DFT-PI2BPSK	L	0.15	30	1@1	-51.79	-33	PASS
N66	15	40	DFT-PI2BPSK	L	30	1000	1@1	-53.63	-23	PASS
N66	15	40	DFT-PI2BPSK	L	1000	3000	1@1	-35.19	-13	PASS
N66	15	40	DFT-PI2BPSK	L	3000	12000	1@1	-42.11	-13	PASS
N66	15	40	DFT-PI2BPSK	L	12000	20000	1@1	-44.12	-13	PASS
N66	15	40	DFT-PI2BPSK	M	0.009	0.15	1@1	-54.61	-43	PASS
N66	15	40	DFT-PI2BPSK	M	0.15	30	1@1	-51.38	-33	PASS
N66	15	40	DFT-PI2BPSK	M	30	1000	1@1	-53.70	-23	PASS
N66	15	40	DFT-PI2BPSK	M	1000	3000	1@1	-38.98	-13	PASS
N66	15	40	DFT-PI2BPSK	M	3000	12000	1@1	-42.20	-13	PASS
N66	15	40	DFT-PI2BPSK	M	12000	20000	1@1	-44.10	-13	PASS
N66	15	40	DFT-PI2BPSK	H	0.009	0.15	1@1	-54.74	-43	PASS
N66	15	40	DFT-PI2BPSK	H	0.15	30	1@1	-51.72	-33	PASS
N66	15	40	DFT-PI2BPSK	H	30	1000	1@1	-53.61	-23	PASS
N66	15	40	DFT-PI2BPSK	H	1000	3000	1@1	-36.94	-13	PASS
N66	15	40	DFT-PI2BPSK	H	3000	12000	1@1	-42.18	-13	PASS
N66	15	40	DFT-PI2BPSK	H	12000	20000	1@1	-44.07	-13	PASS

Test Graphs

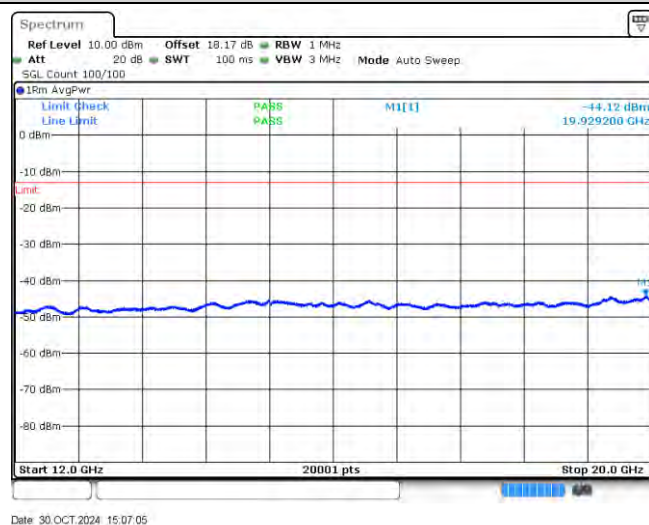




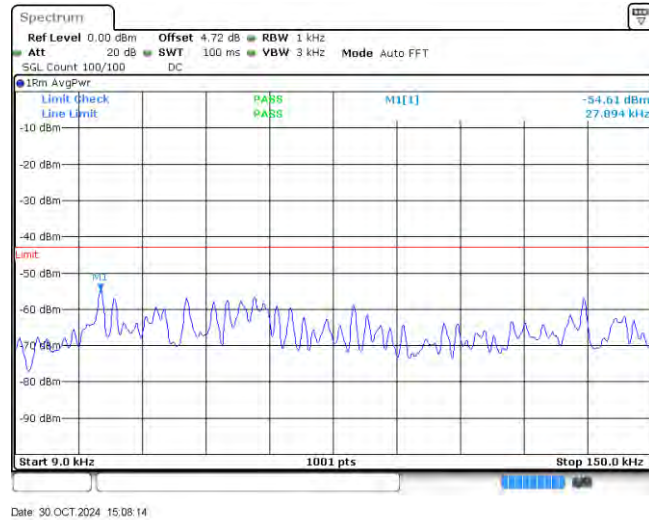
1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-1708.40--35.19--13-PA
SS



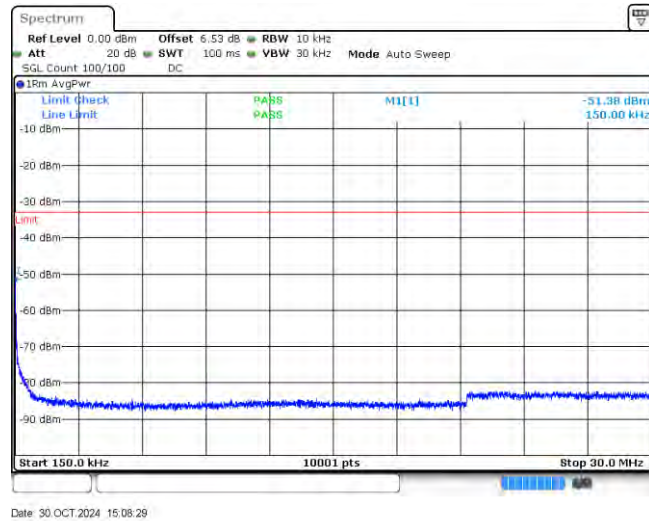
1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant5-6983.40--42.11--13-PA
SS



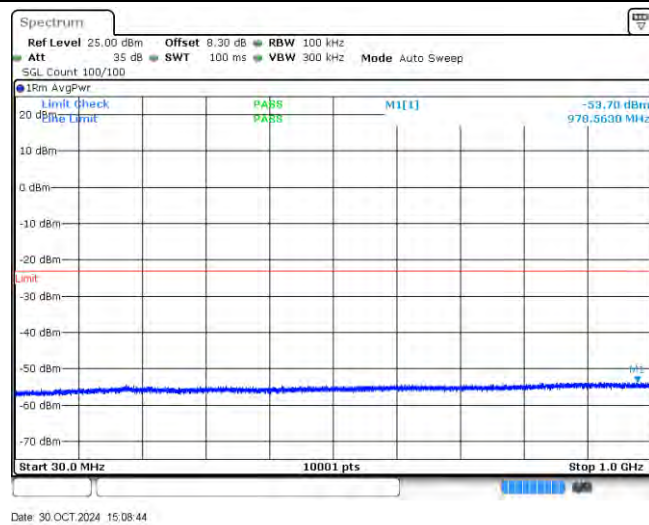
1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant5-19929.20--44.12--13-PA
PASS



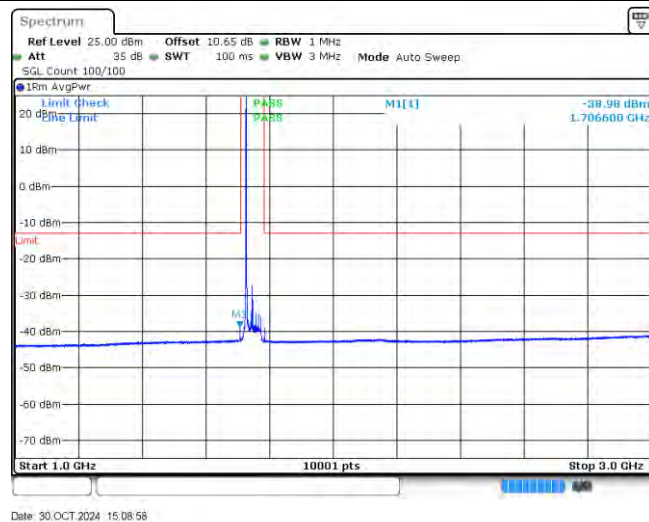
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant5-0.03--54.61--43-PASS



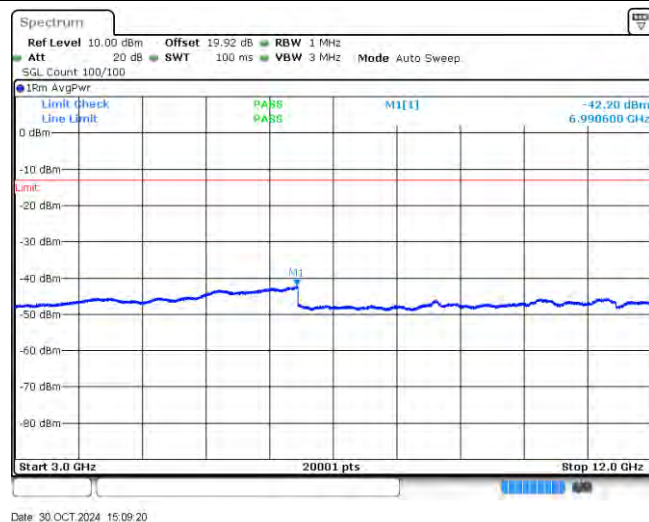
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant5-0.15--51.38--33-PASS



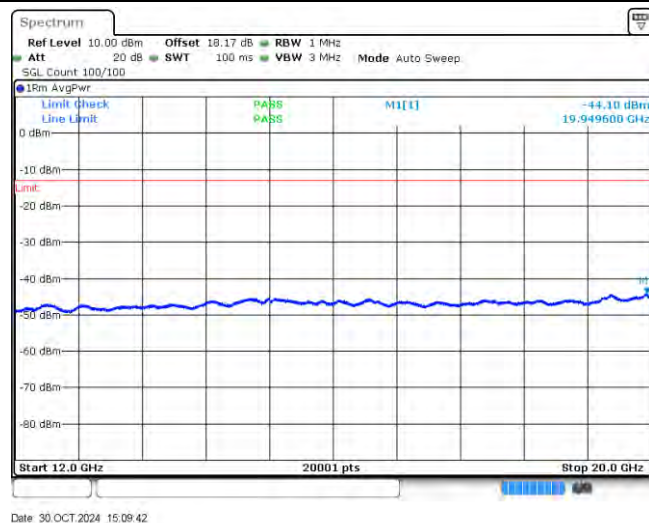
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant5-978.56--53.70--23-PASS



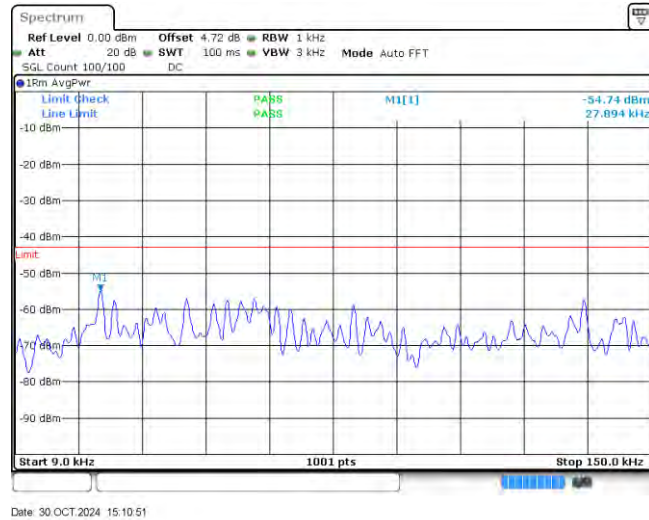
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-1706.60--38.98--13-PA
SS



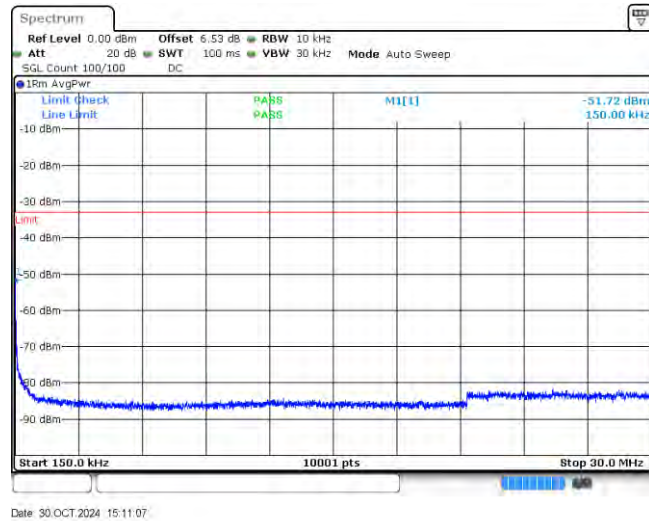
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant5-6990.60--42.20--13-P
ASS



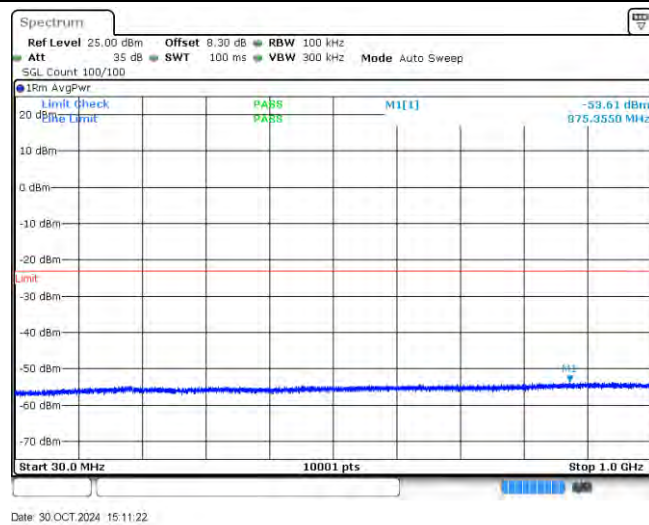
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant5-19949.60--44.10--13
-PASS



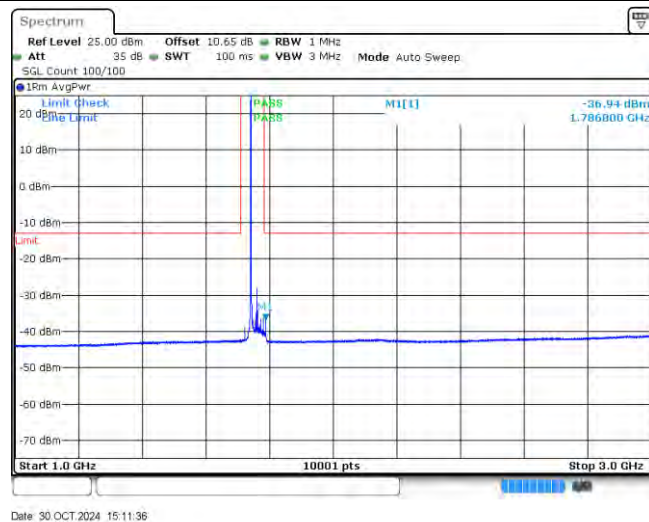
1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant5-0.03--54.74--43-PASS



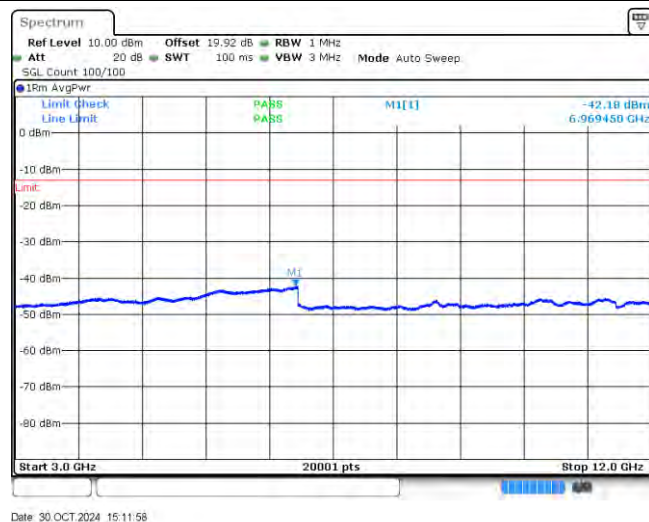
1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant5-0.15--51.72--33-PASS



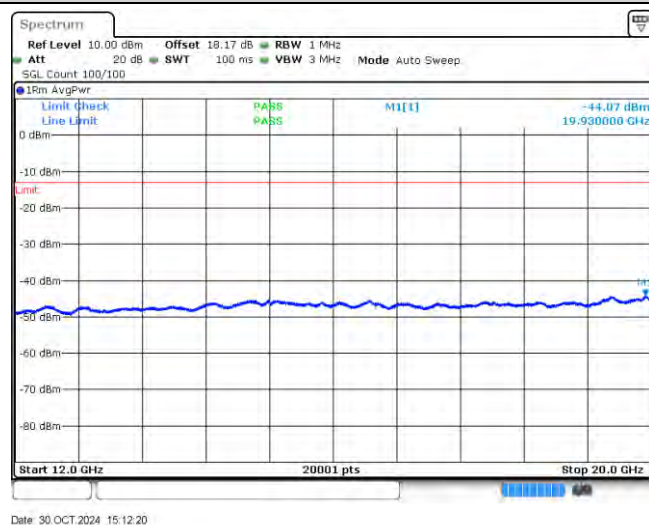
1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant5-875.36--53.61--23-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-1786.80--36.94--13-PA
SS



1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant5-6969.45--42.18--13-P
ASS



1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant5-19930.00--44.07--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-PI2BPSK	M	216@0	HV	NT	-0.68	-0.00039	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	NT	1.03	0.00059	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	LV	NT	-0.14	-0.00008	PASS
N66	15	40	CP-QPSK	M	216@0	HV	NT	-2.43	-0.00139	PASS
N66	15	40	CP-QPSK	M	216@0	NV	NT	-1.82	-0.00104	PASS
N66	15	40	CP-QPSK	M	216@0	LV	NT	-1.34	-0.00077	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-PI2BPSK	M	216@0	NV	50	-1.248000	-0.000715	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-20	-1.021000	-0.000585	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-10	-0.322000	-0.000185	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	0	-2.185000	-0.001252	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	10	-2.188000	-0.001254	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	20	0.075000	0.000043	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	30	0.948000	0.000543	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-30	-0.419000	-0.000240	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	40	-1.155000	-0.000662	PASS
N66	15	40	CP-QPSK	M	216@0	NV	50	-0.481000	-0.000276	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-20	-2.928000	-0.001678	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-10	-2.182000	-0.001250	PASS
N66	15	40	CP-QPSK	M	216@0	NV	0	-1.869000	-0.001071	PASS
N66	15	40	CP-QPSK	M	216@0	NV	10	-2.567000	-0.001471	PASS
N66	15	40	CP-QPSK	M	216@0	NV	20	-3.227000	-0.001849	PASS
N66	15	40	CP-QPSK	M	216@0	NV	30	-1.126000	-0.000645	PASS
N66	15	40	CP-QPSK	M	216@0	NV	40	-2.508000	-0.001437	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-30	-0.519000	-0.000297	PASS

Field Strength of Spurious Radiation

NR N66 ANT5-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	-66.71	-13	-53.71	-71.33	3.36	7.98	Horizontal	Pass
5136	-62.83	-13	-49.83	-68.44	4.61	10.22	Horizontal	Pass
6848	-61.46	-13	-48.46	-67.5	4.9	10.94	Horizontal	Pass
3424	-63.98	-13	-50.98	-68.6	3.36	7.98	Vertical	Pass
5136	-63.28	-13	-50.28	-68.89	4.61	10.22	Vertical	Pass
6848	-61.52	-13	-48.52	-67.56	4.9	10.94	Vertical	Pass

NR N66 ANT5-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	-66.59	-13	-53.59	-71.27	3.38	8.06	Horizontal	Pass
5181	-63.1	-13	-50.1	-68.72	4.63	10.25	Horizontal	Pass
6908	-61.15	-13	-48.15	-67.25	4.91	11.01	Horizontal	Pass
3454	-66.71	-13	-53.71	-71.39	3.38	8.06	Vertical	Pass
5181	-62.61	-13	-49.61	-68.23	4.63	10.25	Vertical	Pass
6908	-61.67	-13	-48.67	-67.77	4.91	11.01	Vertical	Pass

NR N66 ANT5-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	-67.34	-13	-54.34	-72.08	3.39	8.13	Horizontal	Pass
5226	-63.22	-13	-50.22	-68.86	4.64	10.28	Horizontal	Pass
6968	-62.06	-13	-49.06	-68.24	4.91	11.09	Horizontal	Pass
3484	-67.52	-13	-54.52	-72.26	3.39	8.13	Vertical	Pass
5226	-63.52	-13	-50.52	-69.16	4.64	10.28	Vertical	Pass
6968	-61.92	-13	-48.92	-68.1	4.91	11.09	Vertical	Pass

NSA_5A_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	-66.57	-13	-53.57	-71.19	3.36	7.98	Horizontal	Pass
5136.0	-63.01	-13	-50.01	-68.62	4.61	10.22	Horizontal	Pass
6848.0	-61.24	-13	-48.24	-67.28	4.9	10.94	Horizontal	Pass
3424.0	-66.69	-13	-53.69	-71.31	3.36	7.98	Vertical	Pass
5136.0	-63.03	-13	-50.03	-68.64	4.61	10.22	Vertical	Pass
6848.0	-61.29	-13	-48.29	-67.33	4.9	10.94	Vertical	Pass

NSA_5A_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	-67.27	-13	-54.27	-71.95	3.38	8.06	Horizontal	Pass
5181.0	-63.05	-13	-50.05	-68.67	4.63	10.25	Horizontal	Pass
6908.0	-61.94	-13	-48.94	-68.04	4.91	11.01	Horizontal	Pass
3454.0	-66.91	-13	-53.91	-71.59	3.38	8.06	Vertical	Pass
5181.0	-62.38	-13	-49.38	-68.0	4.63	10.25	Vertical	Pass
6908.0	-61.58	-13	-48.58	-67.68	4.91	11.01	Vertical	Pass

NSA_5A_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	-66.97	-13	-53.97	-71.71	3.39	8.13	Horizontal	Pass
5226.0	-62.84	-13	-49.84	-68.48	4.64	10.28	Horizontal	Pass
6968.0	-61.12	-13	-48.12	-67.3	4.91	11.09	Horizontal	Pass
3484.0	-65.33	-13	-52.33	-70.07	3.39	8.13	Vertical	Pass
5226.0	-62.82	-13	-49.82	-68.46	4.64	10.28	Vertical	Pass
6968.0	-61.23	-13	-48.23	-67.41	4.91	11.09	Vertical	Pass