

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant 4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	20	DFT-QPSK	L	1@1	23.92	20.52	33	PASS
N38	30	20	DFT-QPSK	L	1@49	24.04	20.64	33	PASS
N38	30	20	DFT-QPSK	L	50@0	24.07	20.67	33	PASS
N38	30	20	DFT-16QAM	L	1@1	24.3	20.9	33	PASS
N38	30	20	DFT-16QAM	L	1@49	24.27	20.87	33	PASS
N38	30	20	DFT-16QAM	L	50@0	23.65	20.25	33	PASS
N38	30	20	DFT-64QAM	L	1@1	23.24	19.84	33	PASS
N38	30	20	DFT-64QAM	L	1@49	23.36	19.96	33	PASS
N38	30	20	DFT-64QAM	L	50@0	23.25	19.85	33	PASS
N38	30	20	DFT-256QAM	L	1@1	22.84	19.44	33	PASS
N38	30	20	DFT-256QAM	L	1@49	22.99	19.59	33	PASS
N38	30	20	DFT-256QAM	L	50@0	23.31	19.91	33	PASS
N38	30	20	DFT-QPSK	M	1@1	24.13	20.73	33	PASS
N38	30	20	DFT-QPSK	M	1@49	24.19	20.79	33	PASS
N38	30	20	DFT-QPSK	M	50@0	24.29	20.89	33	PASS
N38	30	20	DFT-16QAM	M	1@1	24.13	20.73	33	PASS
N38	30	20	DFT-16QAM	M	1@49	24.47	21.07	33	PASS
N38	30	20	DFT-16QAM	M	50@0	24.01	20.61	33	PASS
N38	30	20	DFT-64QAM	M	1@1	23.3	19.9	33	PASS
N38	30	20	DFT-64QAM	M	1@49	23.38	19.98	33	PASS
N38	30	20	DFT-64QAM	M	50@0	23.39	19.99	33	PASS
N38	30	20	DFT-256QAM	M	1@1	22.98	19.58	33	PASS
N38	30	20	DFT-256QAM	M	1@49	23.1	19.7	33	PASS
N38	30	20	DFT-256QAM	M	50@0	23.41	20.01	33	PASS
N38	30	20	DFT-QPSK	H	1@1	24.16	20.76	33	PASS
N38	30	20	DFT-QPSK	H	1@49	24.05	20.65	33	PASS
N38	30	20	DFT-QPSK	H	50@0	24.14	20.74	33	PASS
N38	30	20	DFT-16QAM	H	1@1	24.29	20.89	33	PASS
N38	30	20	DFT-16QAM	H	1@49	24.44	21.04	33	PASS
N38	30	20	DFT-16QAM	H	50@0	23.81	20.41	33	PASS
N38	30	20	DFT-64QAM	H	1@1	23.42	20.02	33	PASS
N38	30	20	DFT-64QAM	H	1@49	23.35	19.95	33	PASS
N38	30	20	DFT-64QAM	H	50@0	23.3	19.9	33	PASS
N38	30	20	DFT-256QAM	H	1@1	23.14	19.74	33	PASS
N38	30	20	DFT-256QAM	H	1@49	23.06	19.66	33	PASS
N38	30	20	DFT-256QAM	H	50@0	23.38	19.98	33	PASS
N38	30	30	DFT-QPSK	M	1@1	24.09	20.69	33	PASS

N38	30	30	DFT-QPSK	M	1@76	24.23	20.83	33	PASS
N38	30	30	DFT-QPSK	M	75@0	24.24	20.84	33	PASS
N38	30	30	DFT-16QAM	M	1@1	24.26	20.86	33	PASS
N38	30	30	DFT-16QAM	M	1@76	24.46	21.06	33	PASS
N38	30	30	DFT-16QAM	M	75@0	23.98	20.58	33	PASS
N38	30	30	DFT-64QAM	M	1@1	23.29	19.89	33	PASS
N38	30	30	DFT-64QAM	M	1@76	23.39	19.99	33	PASS
N38	30	30	DFT-64QAM	M	75@0	23.42	20.02	33	PASS
N38	30	30	DFT-256QAM	M	1@1	22.94	19.54	33	PASS
N38	30	30	DFT-256QAM	M	1@76	23.07	19.67	33	PASS
N38	30	30	DFT-256QAM	M	75@0	23.44	20.04	33	PASS
N38	30	30	DFT-QPSK	H	1@1	24.33	20.93	33	PASS
N38	30	30	DFT-QPSK	H	1@76	24.3	20.9	33	PASS
N38	30	30	DFT-QPSK	H	75@0	24.28	20.88	33	PASS
N38	30	30	DFT-16QAM	H	1@1	24.5	21.1	33	PASS
N38	30	30	DFT-16QAM	H	1@76	24.6	21.2	33	PASS
N38	30	30	DFT-16QAM	H	75@0	23.82	20.42	33	PASS
N38	30	30	DFT-64QAM	H	1@1	23.42	20.02	33	PASS
N38	30	30	DFT-64QAM	H	1@76	23.53	20.13	33	PASS
N38	30	30	DFT-64QAM	H	75@0	23.37	19.97	33	PASS
N38	30	30	DFT-256QAM	H	1@1	23.08	19.68	33	PASS
N38	30	30	DFT-256QAM	H	1@76	23.15	19.75	33	PASS
N38	30	30	DFT-256QAM	H	75@0	23.36	19.96	33	PASS
N38	30	40	DFT-QPSK	L	1@1	24.16	20.76	33	PASS
N38	30	40	DFT-QPSK	L	1@104	24.25	20.85	33	PASS
N38	30	40	DFT-QPSK	L	100@0	24.26	20.86	33	PASS
N38	30	40	DFT-16QAM	L	1@1	24.42	21.02	33	PASS
N38	30	40	DFT-16QAM	L	1@104	24.52	21.12	33	PASS
N38	30	40	DFT-16QAM	L	100@0	23.82	20.42	33	PASS
N38	30	40	DFT-64QAM	L	1@1	23.31	19.91	33	PASS
N38	30	40	DFT-64QAM	L	1@104	23.45	20.05	33	PASS
N38	30	40	DFT-64QAM	L	100@0	23.39	19.99	33	PASS
N38	30	40	DFT-256QAM	L	1@1	22.99	19.59	33	PASS
N38	30	40	DFT-256QAM	L	1@104	23.17	19.77	33	PASS
N38	30	40	DFT-256QAM	L	100@0	23.31	19.91	33	PASS
N38	30	40	DFT-QPSK	M	1@1	24.2	20.8	33	PASS
N38	30	40	DFT-QPSK	M	1@104	24.15	20.75	33	PASS
N38	30	40	DFT-QPSK	M	100@0	24.18	20.78	33	PASS
N38	30	40	DFT-16QAM	M	1@1	24.32	20.92	33	PASS
N38	30	40	DFT-16QAM	M	1@104	24.38	20.98	33	PASS
N38	30	40	DFT-16QAM	M	100@0	23.92	20.52	33	PASS
N38	30	40	DFT-64QAM	M	1@1	23.37	19.97	33	PASS
N38	30	40	DFT-64QAM	M	1@104	23.46	20.06	33	PASS
N38	30	40	DFT-64QAM	M	100@0	23.42	20.02	33	PASS

N38	30	40	DFT-256QAM	M	1@1	22.88	19.48	33	PASS
N38	30	40	DFT-256QAM	M	1@104	23.12	19.72	33	PASS
N38	30	40	DFT-256QAM	M	100@0	23.35	19.95	33	PASS
N38	30	40	DFT-QPSK	H	1@1	24.31	20.91	33	PASS
N38	30	40	DFT-QPSK	H	1@104	24.32	20.92	33	PASS
N38	30	40	DFT-QPSK	H	100@0	24.18	20.78	33	PASS
N38	30	40	DFT-16QAM	H	1@1	24.36	20.96	33	PASS
N38	30	40	DFT-16QAM	H	1@104	24.52	21.12	33	PASS
N38	30	40	DFT-16QAM	H	100@0	23.94	20.54	33	PASS
N38	30	40	DFT-64QAM	H	1@1	23.32	19.92	33	PASS
N38	30	40	DFT-64QAM	H	1@104	23.56	20.16	33	PASS
N38	30	40	DFT-64QAM	H	100@0	23.45	20.05	33	PASS
N38	30	40	DFT-256QAM	H	1@1	23.06	19.66	33	PASS
N38	30	40	DFT-256QAM	H	1@104	23.12	19.72	33	PASS
N38	30	40	DFT-256QAM	H	100@0	23.42	20.02	33	PASS

Peak-to-Average Ratio for SA

Test Graphs



1-N38-PC3-30-40-L-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.09dB-PASS



1-N38-PC3-30-40-L-2-NS_01-CP-256QAM-Outer_Full-106@0-7.05dB-PASS



1-N38-PC3-30-40-M-1-NS_01-DFT-256QAM-Outer_Full-100@0-5.87dB-PASS



1-N38-PC3-30-40-M-2-NS_01-CP-256QAM-Outer_Full-106@0-7.13dB-PASS



1-N38-PC3-30-40-H-1-NS_01-DFT-256QAM-Outer_Full-100@0-6.16dB-PASS



1-N38-PC3-30-40-H-2-NS_01-CP-256QAM-Outer_Full-106@0-6.50dB-PASS

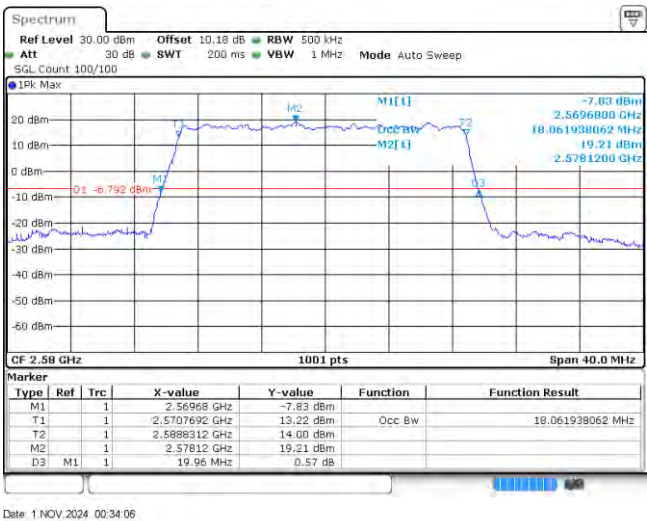
26dB Bandwidth and Occupied Bandwidth for SA

Test Result

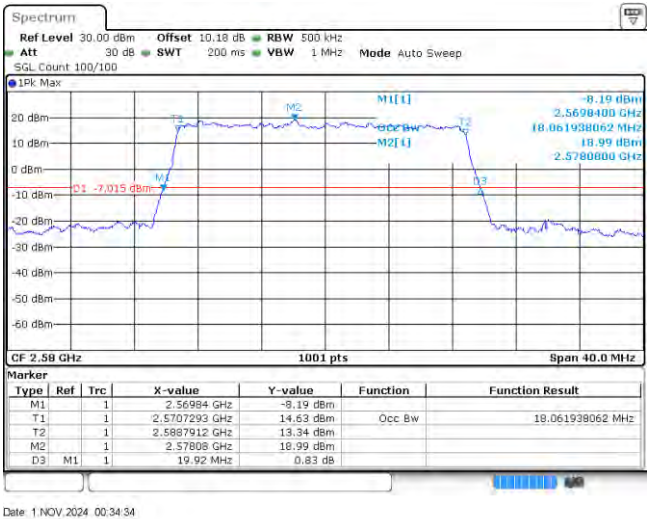
Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N38	30	20	DFT-QPSK	L	50@0	18.062	19.960	PASS
N38	30	20	DFT-16QAM	L	50@0	18.062	19.920	PASS
N38	30	20	DFT-64QAM	L	50@0	18.022	20.160	PASS
N38	30	20	DFT-256QAM	L	50@0	18.022	20.160	PASS
N38	30	20	CP-QPSK	L	51@0	18.382	20.440	PASS
N38	30	20	CP-16QAM	L	51@0	18.342	20.520	PASS
N38	30	20	CP-64QAM	L	51@0	18.462	20.720	PASS
N38	30	20	CP-256QAM	L	51@0	18.422	20.560	PASS
N38	30	20	DFT-QPSK	M	50@0	18.022	19.920	PASS
N38	30	20	DFT-16QAM	M	50@0	18.102	19.840	PASS
N38	30	20	DFT-64QAM	M	50@0	18.022	20.040	PASS
N38	30	20	DFT-256QAM	M	50@0	17.982	20.120	PASS
N38	30	20	CP-QPSK	M	51@0	18.382	20.520	PASS
N38	30	20	CP-16QAM	M	51@0	18.342	20.480	PASS
N38	30	20	CP-64QAM	M	51@0	18.462	20.800	PASS
N38	30	20	CP-256QAM	M	51@0	18.422	20.480	PASS
N38	30	20	DFT-QPSK	H	50@0	18.062	19.960	PASS
N38	30	20	DFT-16QAM	H	50@0	18.102	20.000	PASS
N38	30	20	DFT-64QAM	H	50@0	17.982	19.800	PASS
N38	30	20	DFT-256QAM	H	50@0	18.022	20.080	PASS
N38	30	20	CP-QPSK	H	51@0	18.462	20.520	PASS
N38	30	20	CP-16QAM	H	51@0	18.382	20.520	PASS
N38	30	20	CP-64QAM	H	51@0	18.501	20.840	PASS
N38	30	20	CP-256QAM	H	51@0	18.462	20.560	PASS
N38	30	30	DFT-QPSK	L	75@0	26.793	29.100	PASS
N38	30	30	DFT-16QAM	L	75@0	26.913	29.100	PASS
N38	30	30	DFT-64QAM	L	75@0	26.793	29.280	PASS
N38	30	30	DFT-256QAM	L	75@0	26.793	29.160	PASS
N38	30	30	CP-QPSK	L	78@0	27.872	30.120	PASS
N38	30	30	CP-16QAM	L	78@0	27.872	29.940	PASS
N38	30	30	CP-64QAM	L	78@0	27.992	30.300	PASS
N38	30	30	CP-256QAM	L	78@0	27.872	30.180	PASS
N38	30	30	DFT-QPSK	M	75@0	26.913	28.980	PASS
N38	30	30	DFT-16QAM	M	75@0	26.913	29.340	PASS

N38	30	30	DFT-64QAM	M	75@0	26.853	29.160	PASS
N38	30	30	DFT-256QAM	M	75@0	26.913	29.100	PASS
N38	30	30	CP-QPSK	M	78@0	27.992	30.240	PASS
N38	30	30	CP-16QAM	M	78@0	27.932	30.180	PASS
N38	30	30	CP-64QAM	M	78@0	27.932	31.260	PASS
N38	30	30	CP-256QAM	M	78@0	27.932	30.180	PASS
N38	30	30	DFT-QPSK	H	75@0	26.973	29.280	PASS
N38	30	30	DFT-16QAM	H	75@0	26.913	29.160	PASS
N38	30	30	DFT-64QAM	H	75@0	26.853	28.920	PASS
N38	30	30	DFT-256QAM	H	75@0	26.973	29.100	PASS
N38	30	30	CP-QPSK	H	78@0	27.992	30.360	PASS
N38	30	30	CP-16QAM	H	78@0	27.992	30.360	PASS
N38	30	30	CP-64QAM	H	78@0	27.992	31.140	PASS
N38	30	30	CP-256QAM	H	78@0	27.992	30.600	PASS
N38	30	40	DFT-QPSK	L	100@0	35.884	38.880	PASS
N38	30	40	DFT-16QAM	L	100@0	36.044	38.880	PASS
N38	30	40	DFT-64QAM	L	100@0	35.884	38.800	PASS
N38	30	40	DFT-256QAM	L	100@0	35.884	38.880	PASS
N38	30	40	CP-QPSK	L	106@0	37.962	40.800	PASS
N38	30	40	CP-16QAM	L	106@0	38.042	40.960	PASS
N38	30	40	CP-64QAM	L	106@0	38.122	41.120	PASS
N38	30	40	CP-256QAM	L	106@0	37.962	40.880	PASS
N38	30	40	DFT-QPSK	M	100@0	35.884	38.960	PASS
N38	30	40	DFT-16QAM	M	100@0	36.204	38.960	PASS
N38	30	40	DFT-64QAM	M	100@0	35.964	39.040	PASS
N38	30	40	DFT-256QAM	M	100@0	36.044	38.960	PASS
N38	30	40	CP-QPSK	M	106@0	37.962	40.880	PASS
N38	30	40	CP-16QAM	M	106@0	38.202	41.120	PASS
N38	30	40	CP-64QAM	M	106@0	38.202	41.120	PASS
N38	30	40	CP-256QAM	M	106@0	37.962	40.960	PASS
N38	30	40	DFT-QPSK	H	100@0	35.964	39.040	PASS
N38	30	40	DFT-16QAM	H	100@0	36.124	38.960	PASS
N38	30	40	DFT-64QAM	H	100@0	35.964	38.880	PASS
N38	30	40	DFT-256QAM	H	100@0	36.044	38.880	PASS
N38	30	40	CP-QPSK	H	106@0	38.042	41.120	PASS
N38	30	40	CP-16QAM	H	106@0	38.202	41.120	PASS
N38	30	40	CP-64QAM	H	106@0	38.282	41.120	PASS
N38	30	40	CP-256QAM	H	106@0	38.042	41.040	PASS

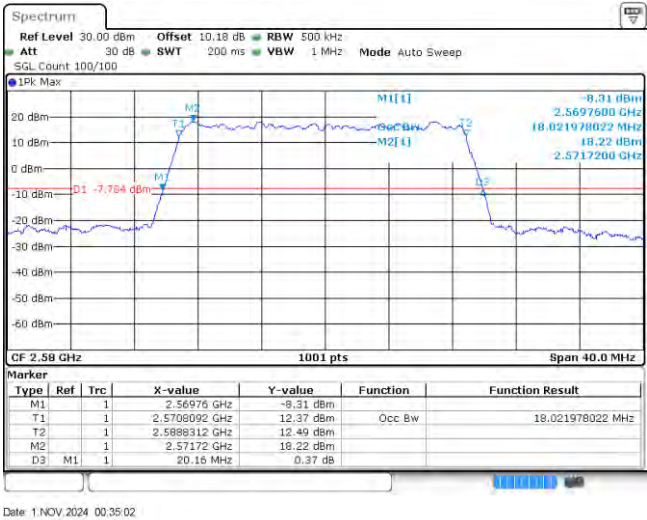
Test Graphs



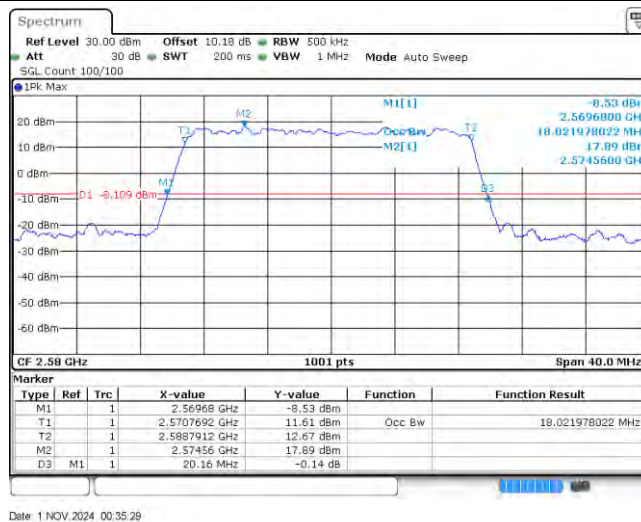
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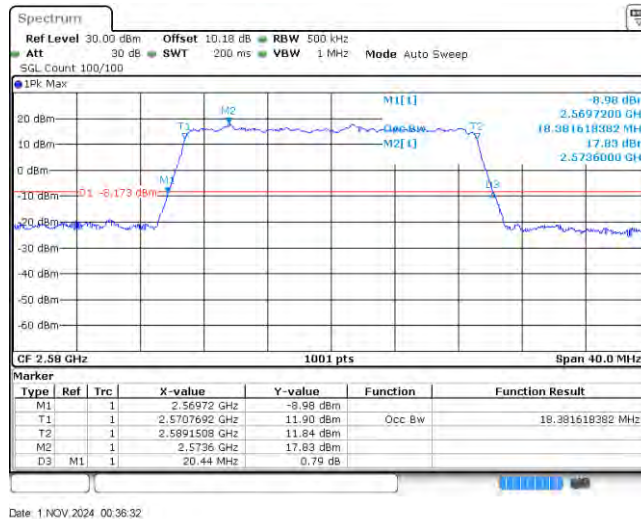
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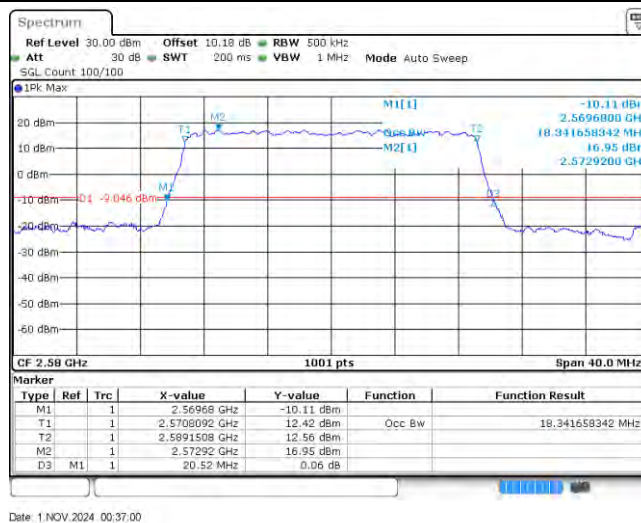
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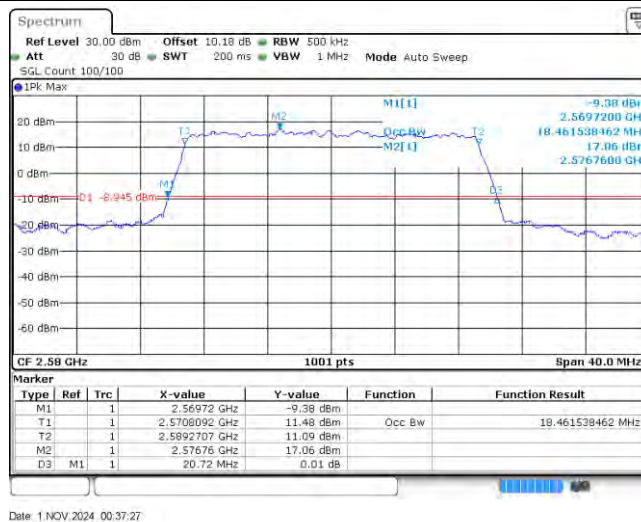
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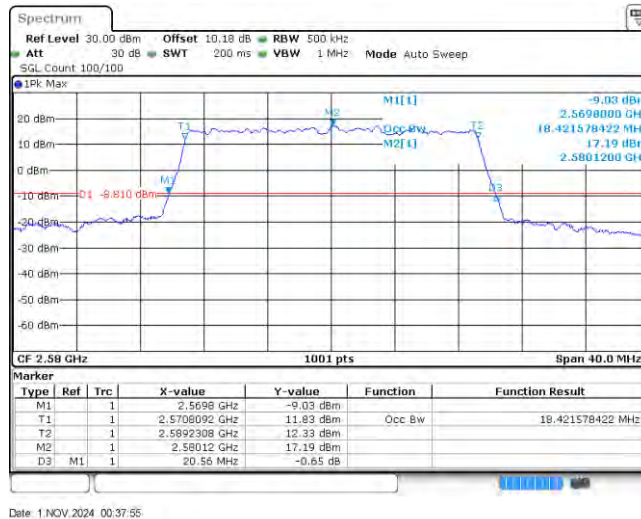
1-N38-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant4-18.382-20.440-≤20-PASS



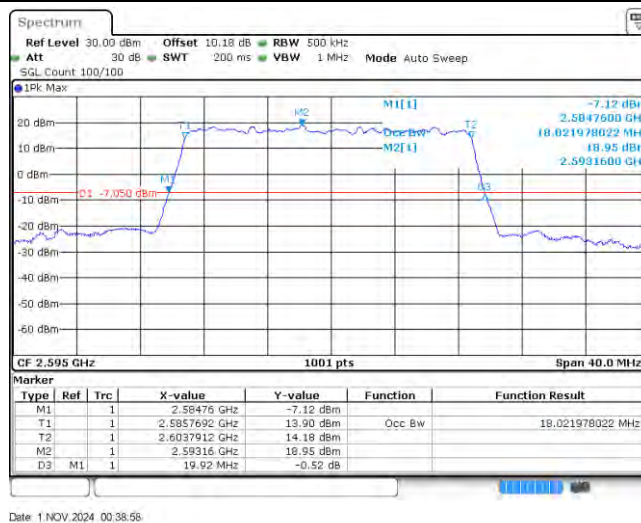
1-N38-PC3-30-20-L-7-CP-16QAM-Outer_Full-51@0-Ant4-18.342-20.520-≤20-PASS



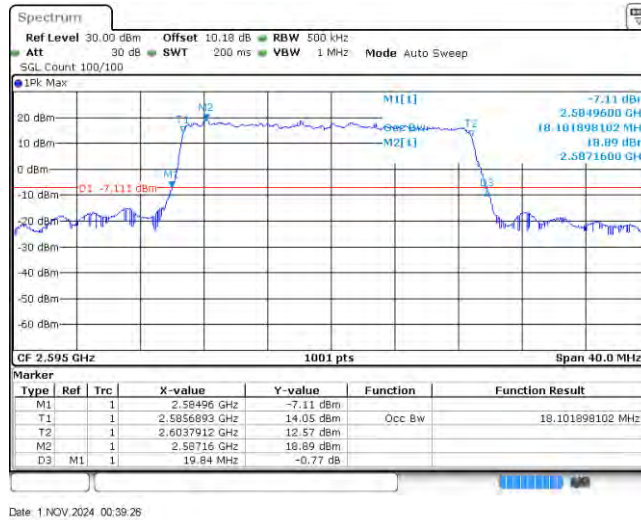
1-N38-PC3-30-20-L-8-CP-64QAM-Outer_Full-51@0-Ant4-18.462-20.720-≤20-PASS



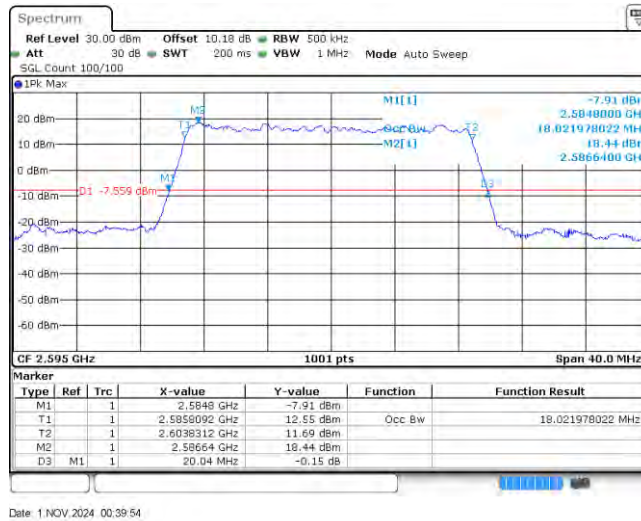
1-N38-PC3-30-20-L-9-CP-256QAM-Outer_Full-51@0-Ant4-18.422-20.560-≤20-PASS



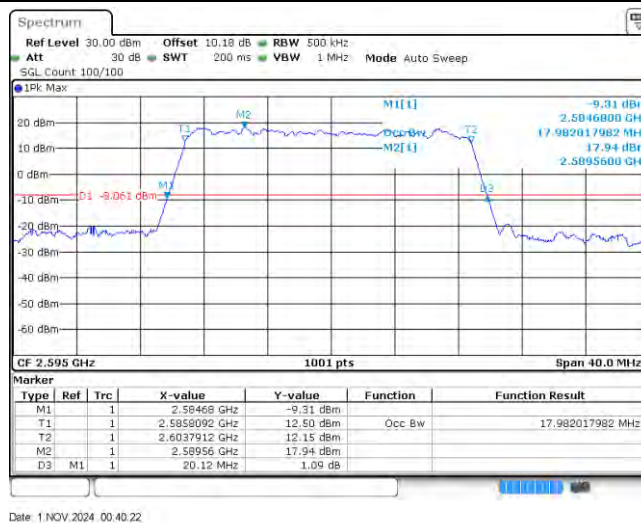
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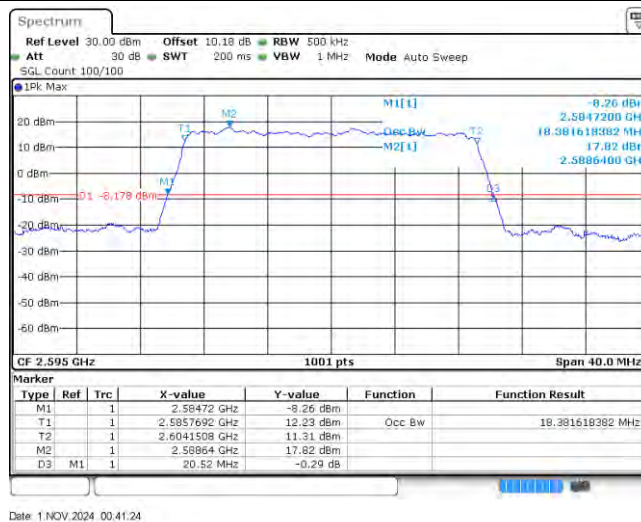
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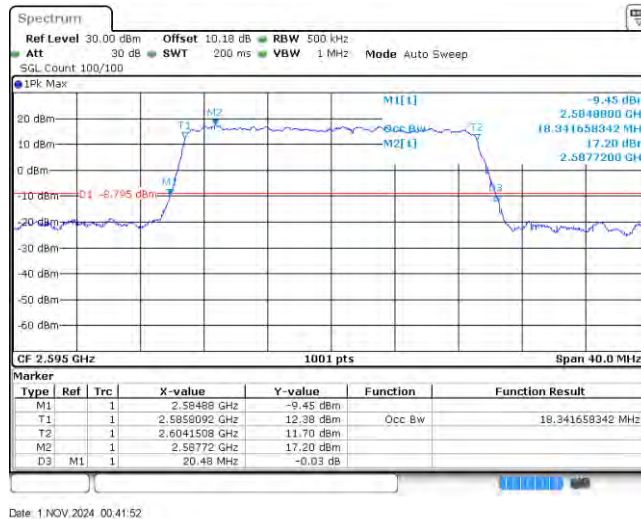
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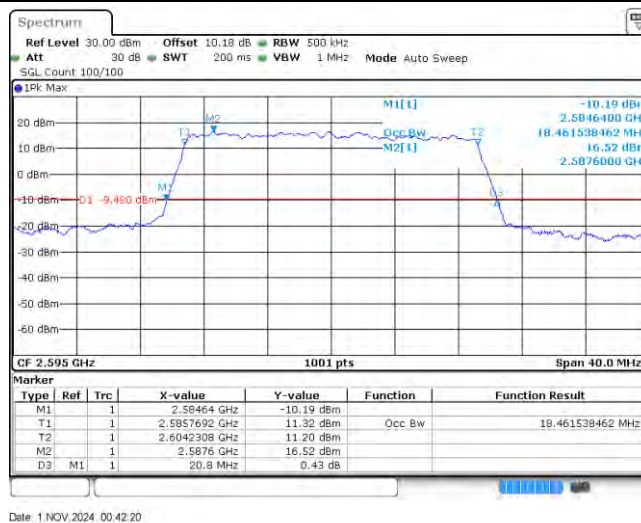
1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant4-17.982-20.120-≤20-PASS



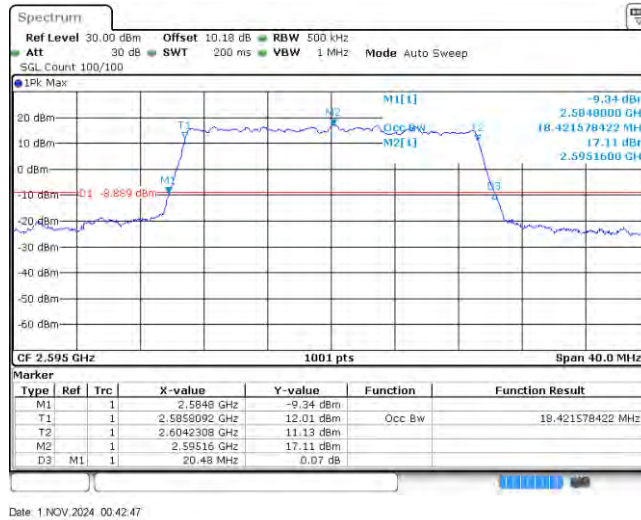
1-N38-PC3-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant4-18.382-20.520-≤20-PASS



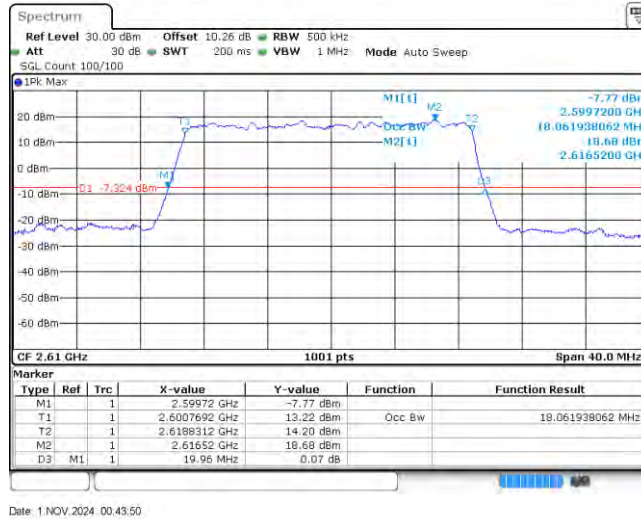
1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant4-18.342-20.480-≤20-PASS



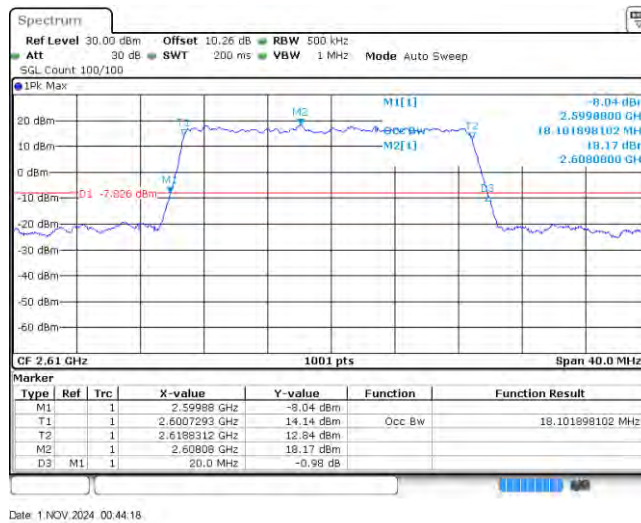
1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant4-18.462-20.800-≤20-PASS



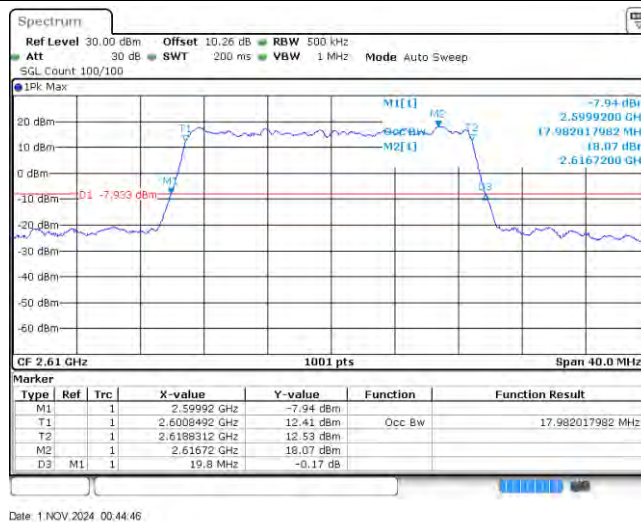
1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant4-18.422-20.480-≤20-PASS



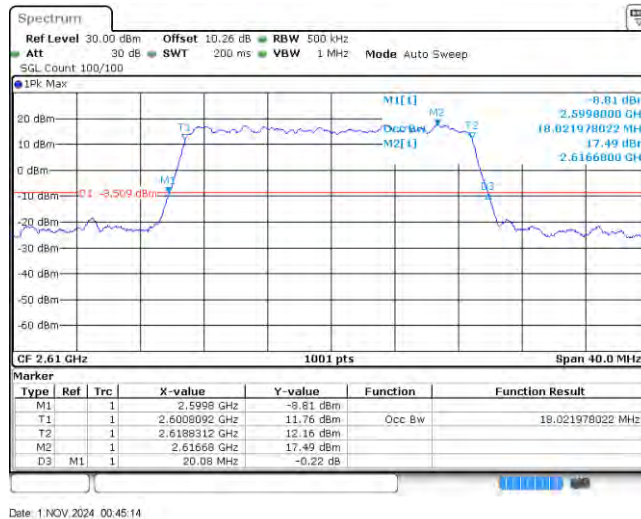
1-N38-PC3-30-20-H-1-DFT-QPSK-Outer_Full-50@0-Ant4-18.062-19.960-≤20-PASS



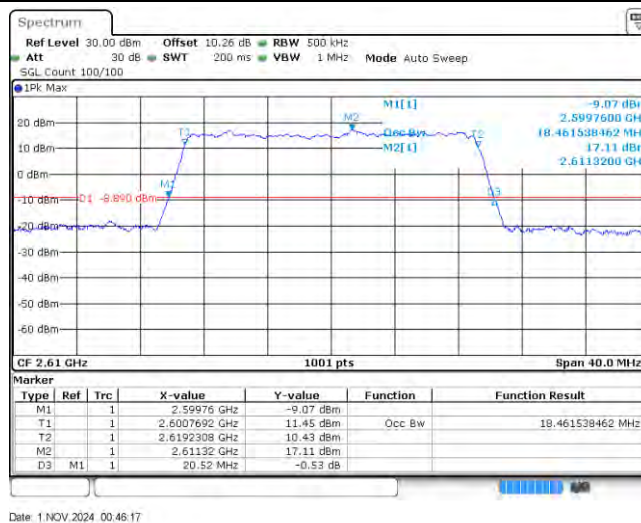
1-N38-PC3-30-20-H-3-DFT-16QAM-Outer_Full-50@0-Ant4-18.102-20.000-≤20-PASS



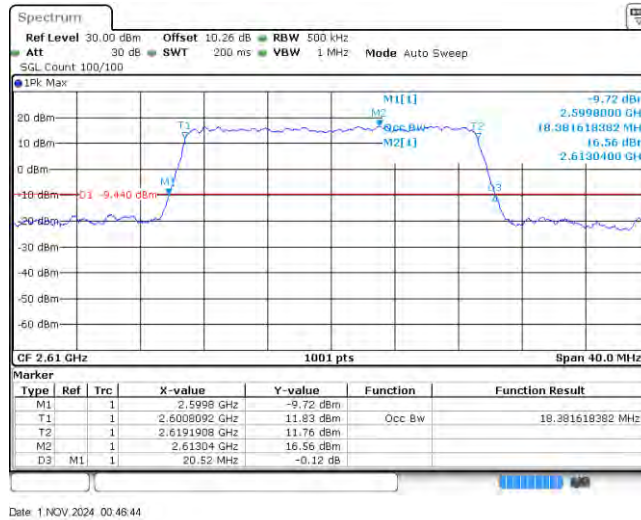
1-N38-PC3-30-20-H-4-DFT-64QAM-Outer_Full-50@0-Ant4-17.982-19.800-≤20-PASS



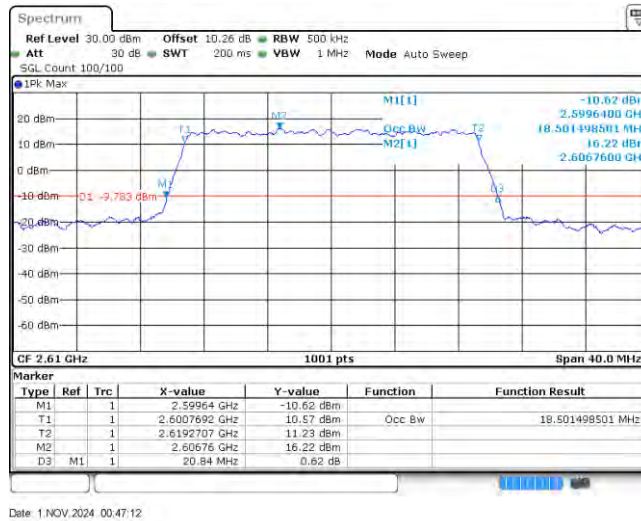
1-N38-PC3-30-20-H-5-DFT-256QAM-Outer_Full-50@0-Ant4-18.022-20.080-≤20-PASS



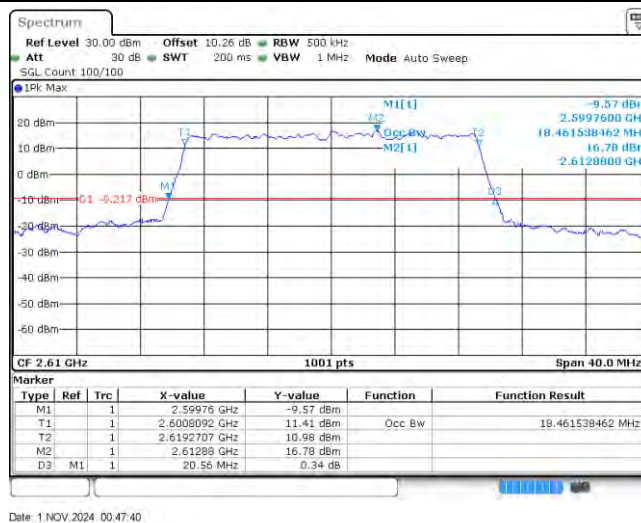
1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant4-18.462-20.520-≤20-PASS



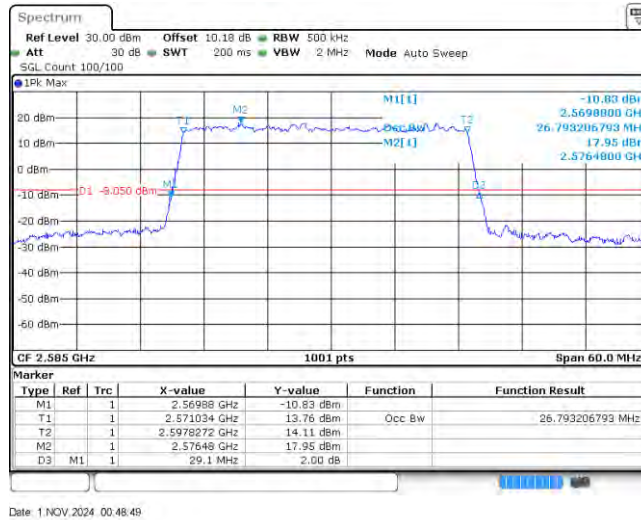
1-N38-PC3-30-20-H-7-CP-16QAM-Outer_Full-51@0-Ant4-18.382-20.520-≤20-PASS



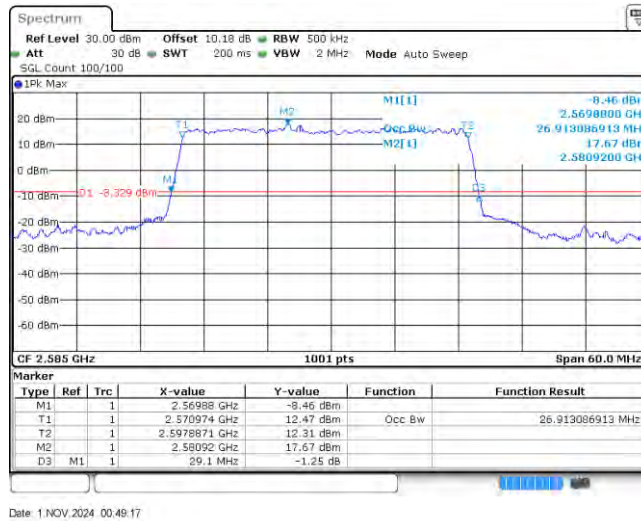
1-N38-PC3-30-20-H-8-CP-64QAM-Outer_Full-51@0-Ant4-18.501-20.840-≤20-PASS



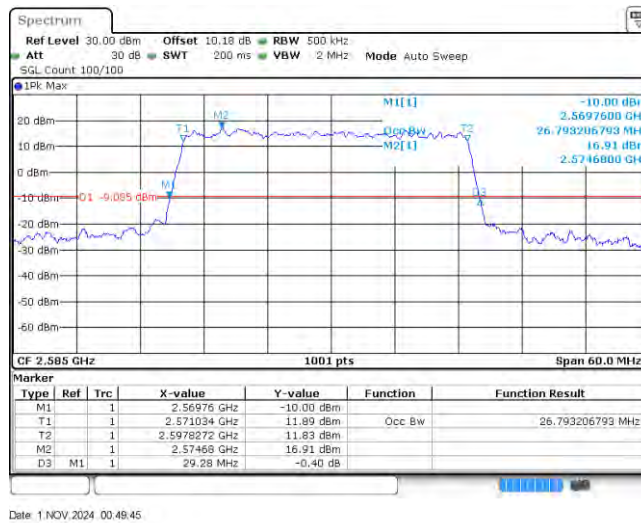
1-N38-PC3-30-20-H-9-CP-256QAM-Outer_Full-51@0-Ant4-18.462-20.560-≤20-PASS



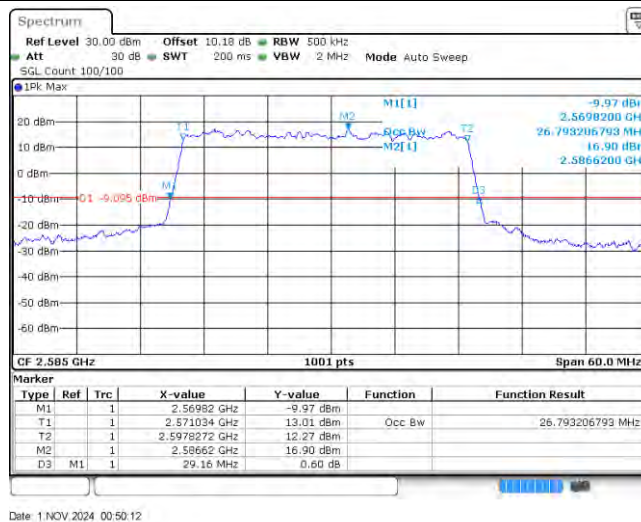
1-N38-PC3-30-30-L-1-DFT-QPSK-Outer_Full-75@0-Ant4-26.793-29.100-≤30-PASS



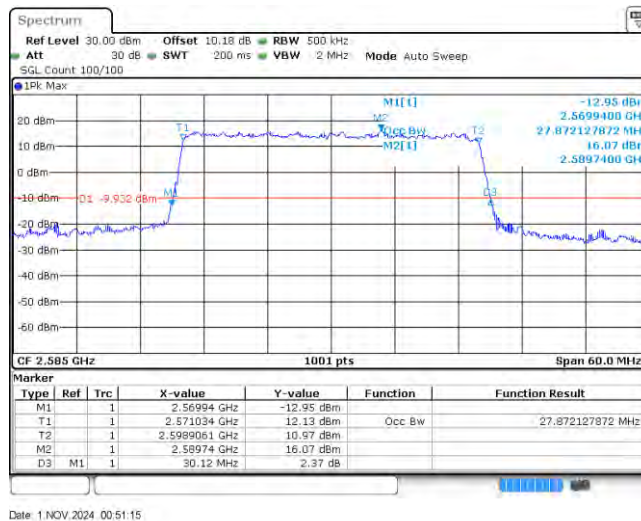
1-N38-PC3-30-30-L-3-DFT-16QAM-Outer_Full-75@0-Ant4-26.913-29.100-≤30-PASS



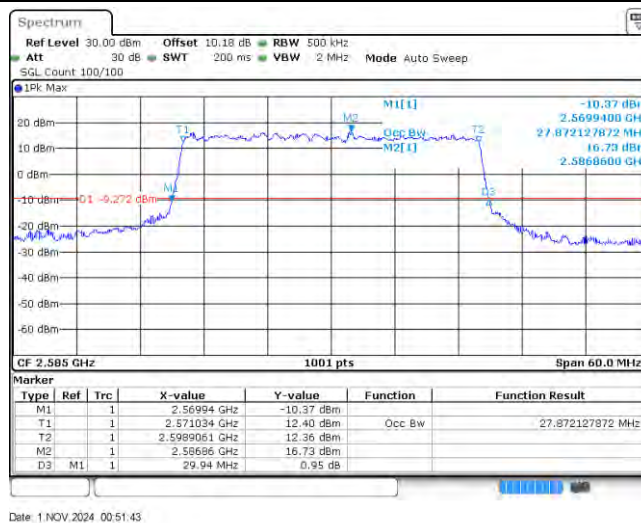
1-N38-PC3-30-30-L-4-DFT-64QAM-Outer_Full-75@0-Ant4-26.793-29.280-≤30-PASS



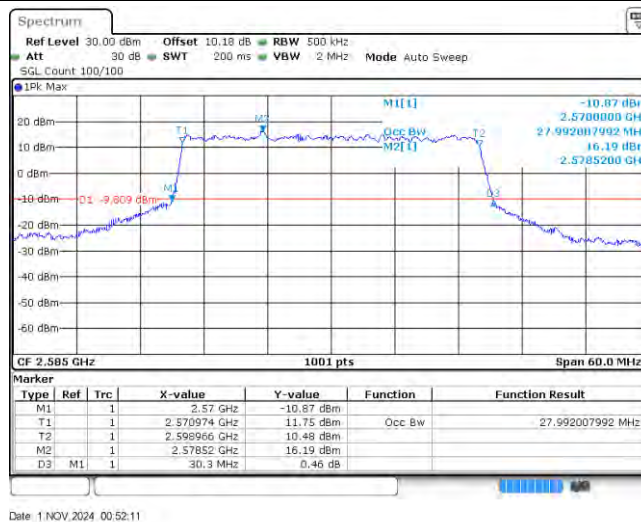
1-N38-PC3-30-30-L-5-DFT-256QAM-Outer_Full-75@0-Ant4-26.793-29.160-≤30-PASS



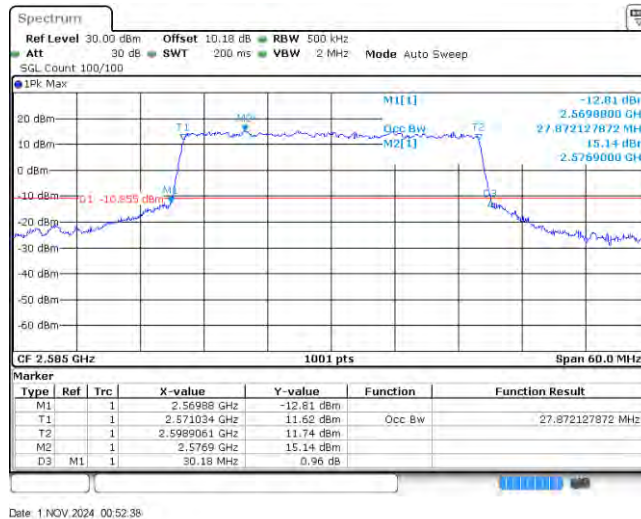
1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant4-27.872-30.120-≤30-PASS



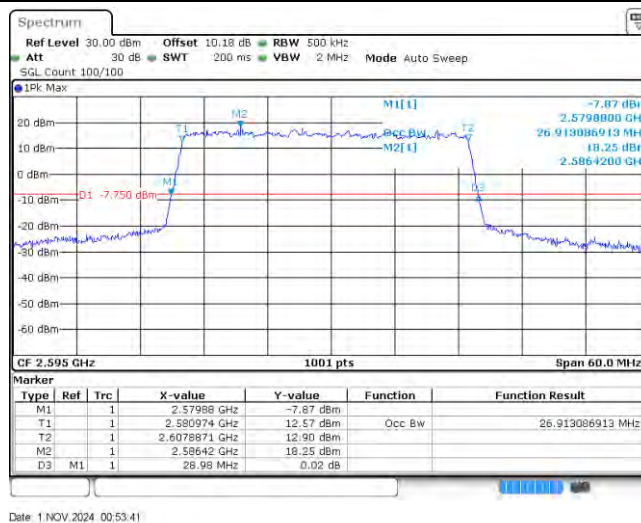
1-N38-PC3-30-30-L-7-CP-16QAM-Outer_Full-78@0-Ant4-27.872-29.940-≤30-PASS



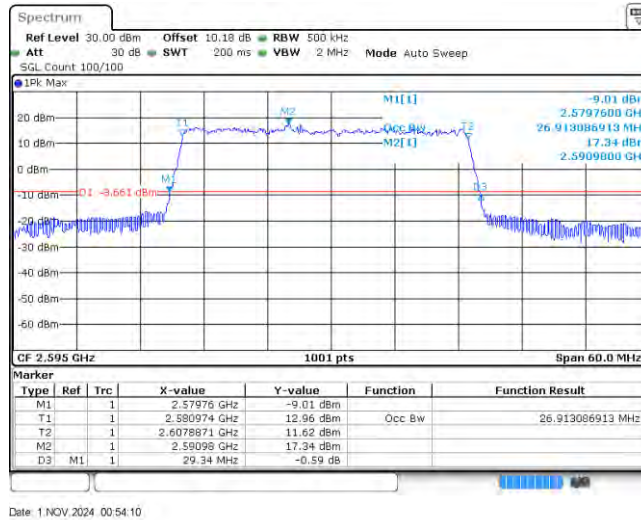
1-N38-PC3-30-30-L-8-CP-64QAM-Outer_Full-78@0-Ant4-27.992-30.300-<30-PASS



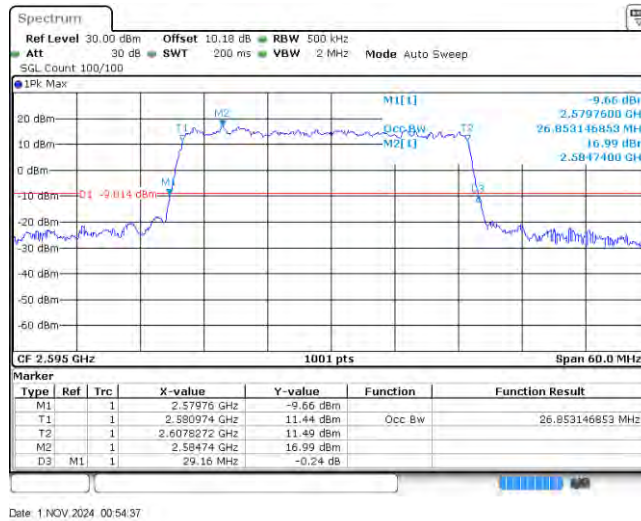
1-N38-PC3-30-30-L-9-CP-256QAM-Outer_Full-78@0-Ant4-27.872-30.180-<30-PASS



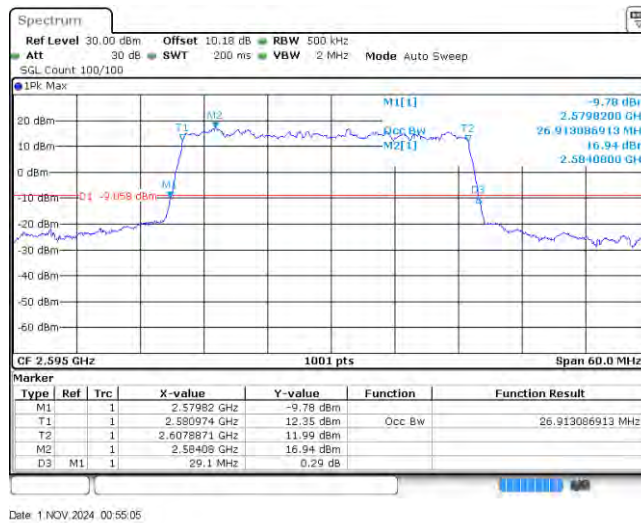
1-N38-PC3-30-30-M-1-DFT-QPSK-Outer_Full-75@0-Ant4-26.913-28.980-<30-PASS



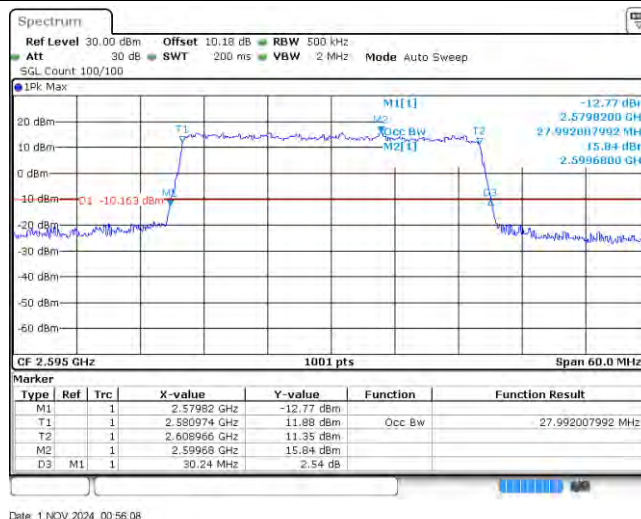
1-N38-PC3-30-30-M-3-DFT-16QAM-Outer_Full-75@0-Ant4-26.913-29.340-≤30-PASS



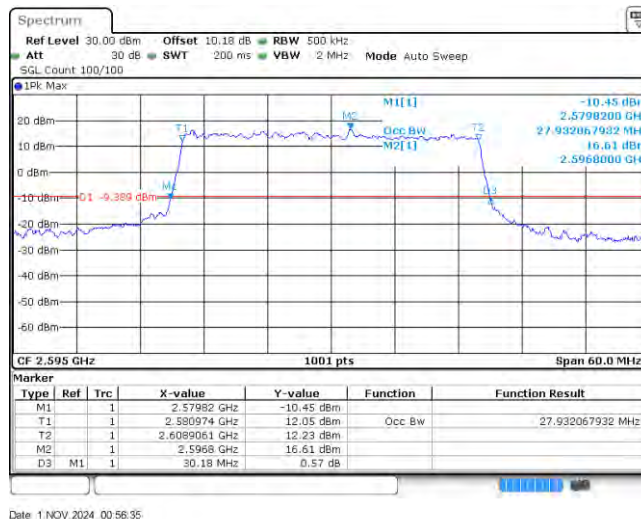
1-N38-PC3-30-30-M-4-DFT-64QAM-Outer_Full-75@0-Ant4-26.853-29.160-≤30-PASS



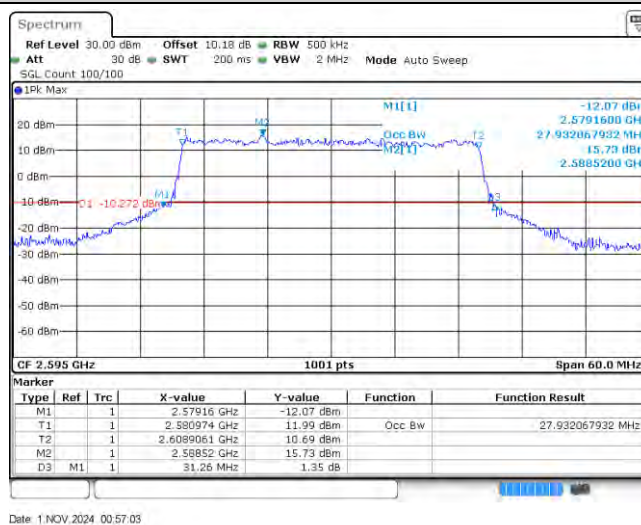
1-N38-PC3-30-30-M-5-DFT-256QAM-Outer_Full-75@0-Ant4-26.913-29.100-≤30-PASS



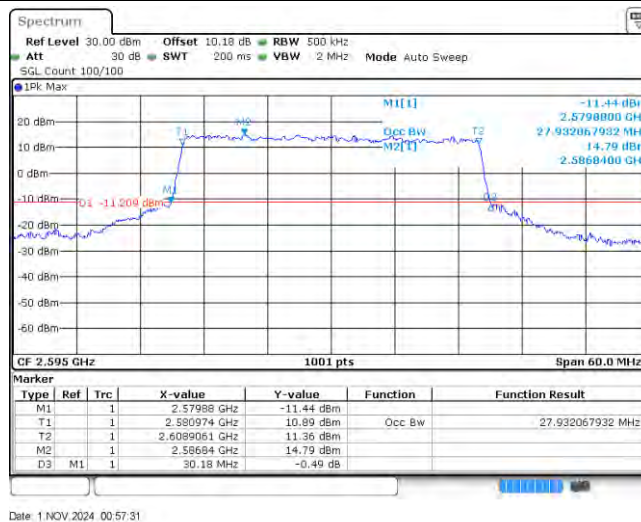
1-N38-PC3-30-30-M-6-CP-QPSK-Outer_Full-78@0-Ant4-27.992-30.240-≤30-PASS



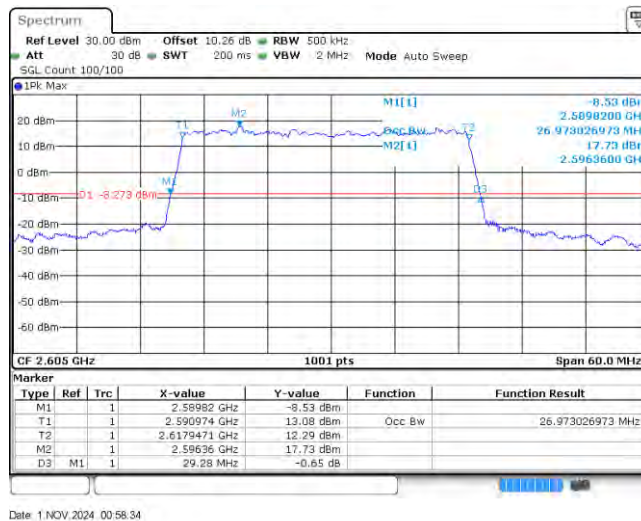
1-N38-PC3-30-30-M-7-CP-16QAM-Outer_Full-78@0-Ant4-27.932-30.180-≤30-PASS



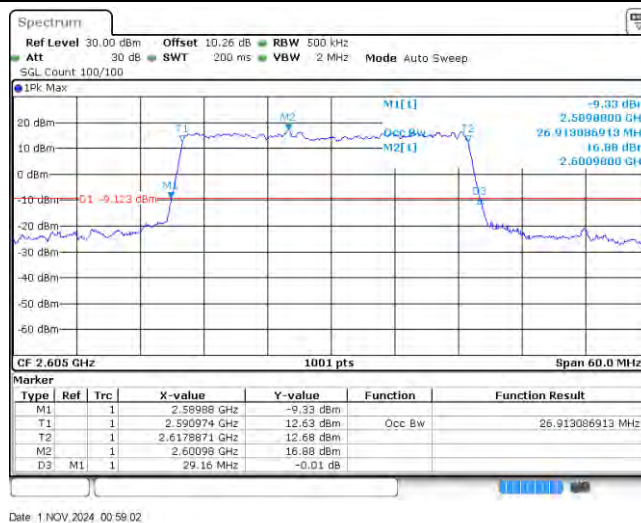
1-N38-PC3-30-30-M-8-CP-64QAM-Outer_Full-78@0-Ant4-27.932-31.260-≤30-PASS



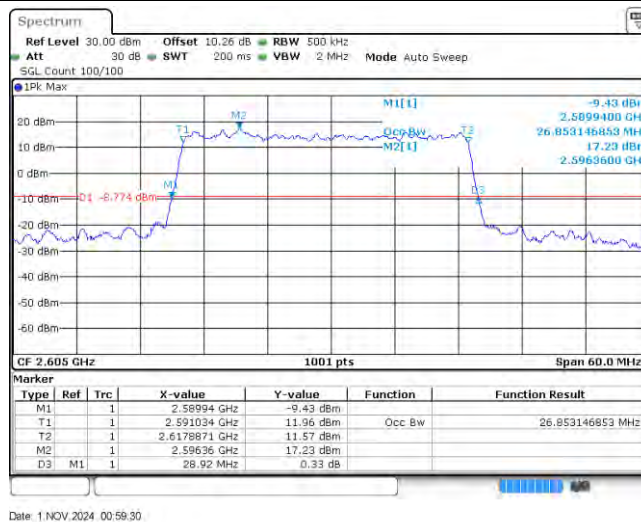
1-N38-PC3-30-30-M-9-CP-256QAM-Outer_Full-78@0-Ant4-27.932-30.180-≤30-PASS



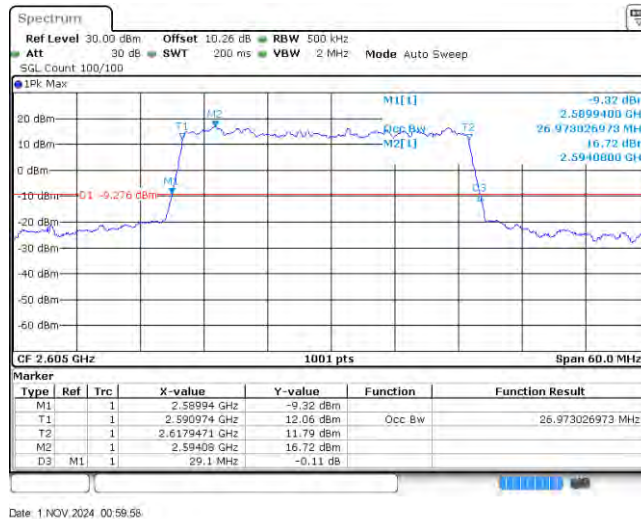
1-N38-PC3-30-30-H-1-DFT-QPSK-Outer_Full-75@0-Ant4-26.973-29.280-≤30-PASS



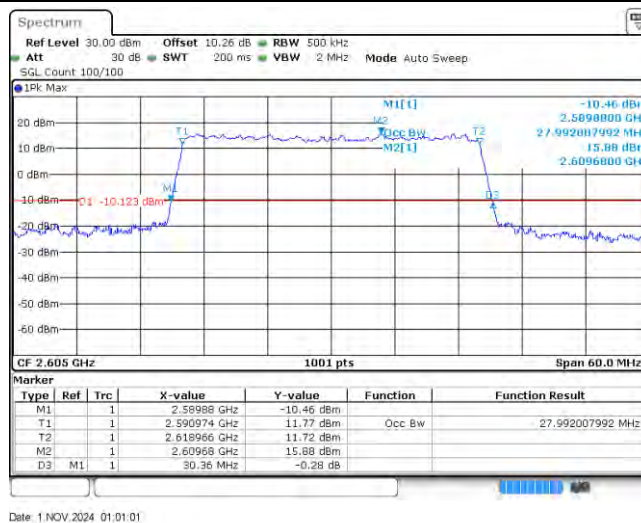
1-N38-PC3-30-30-H-3-DFT-16QAM-Outer_Full-75@0-Ant4-26.913-29.160-≤30-PASS



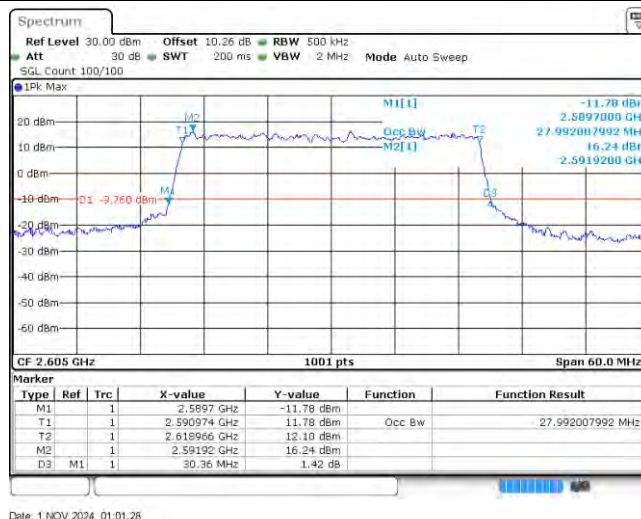
1-N38-PC3-30-30-H-4-DFT-64QAM-Outer_Full-75@0-Ant4-26.853-28.920-≤30-PASS



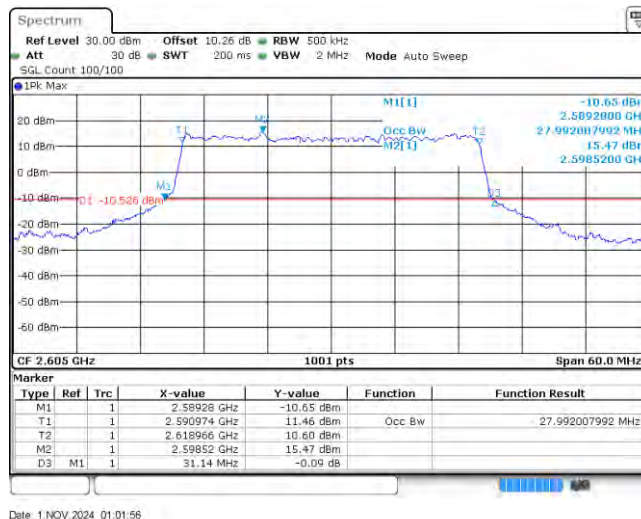
1-N38-PC3-30-30-H-5-DFT-256QAM-Outer_Full-75@0-Ant4-26.973-29.100-≤30-PASS



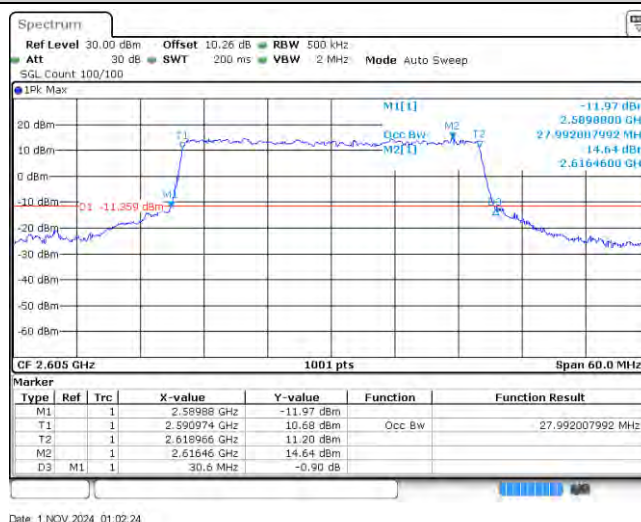
1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant4-27.992-30.360-≤30-PASS



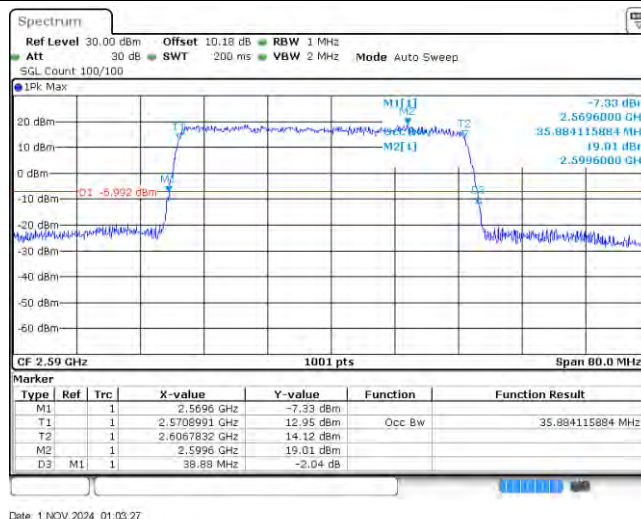
1-N38-PC3-30-30-H-7-CP-16QAM-Outer_Full-78@0-Ant4-27.992-30.360-≤30-PASS



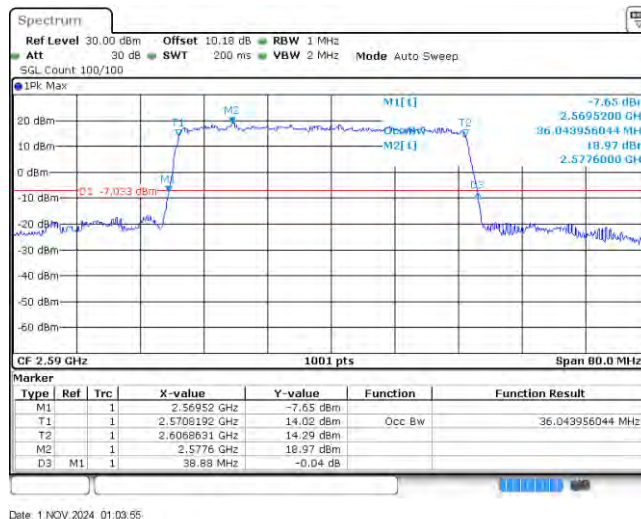
1-N38-PC3-30-30-H-8-CP-64QAM-Outer_Full-78@0-Ant4-27.992-31.140-≤30-PASS



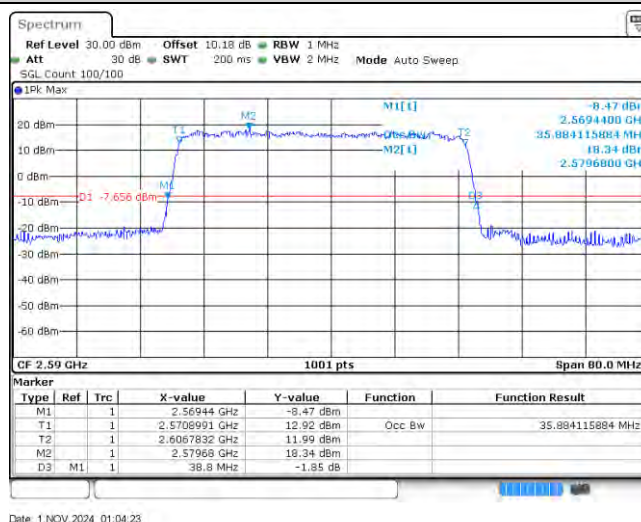
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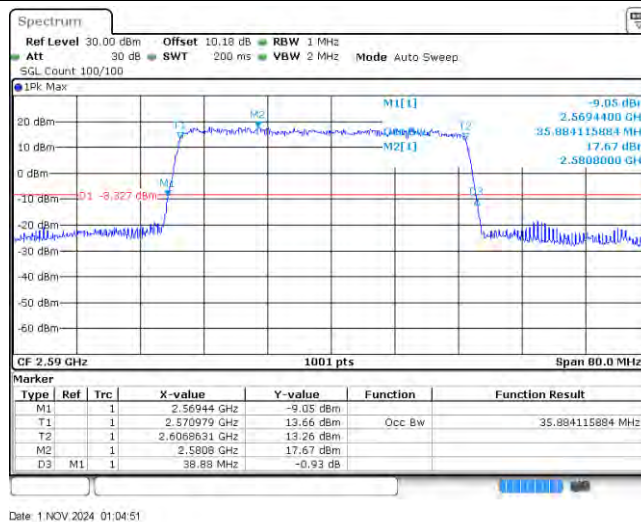
1-N38-PC3-30-40-L-1-DFT-QPSK-Outer_Full-100@0-Ant4-35.884-38.880-≤40-PASS



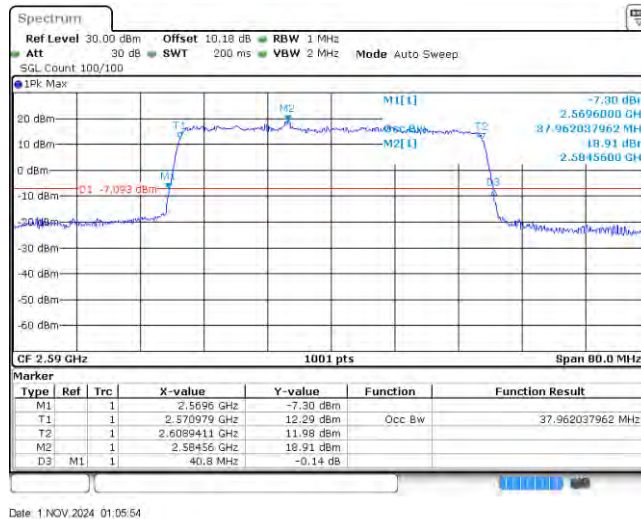
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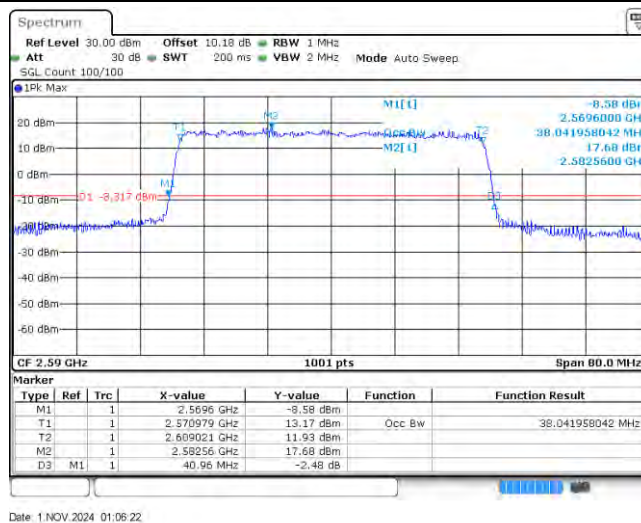
1-N38-PC3-30-40-L-4-DFT-64QAM-Outer_Full-100@0-Ant4-35.884-38.800-≤40-PASS



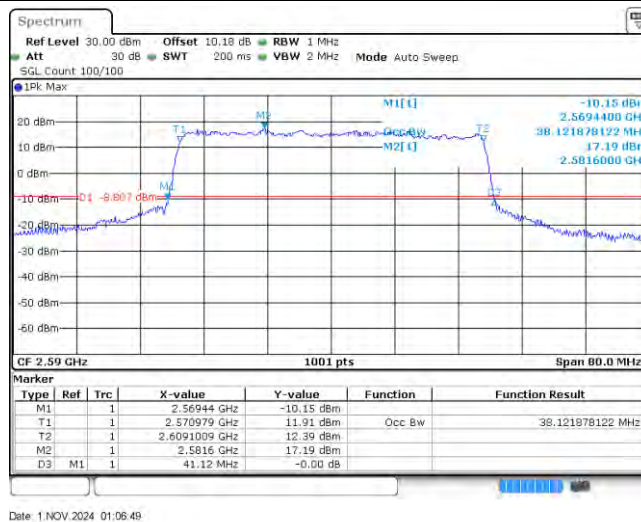
1-N38-PC3-30-40-L-5-DFT-256QAM-Outer_Full-100@0-Ant4-35.884-38.880-≤40-PASS



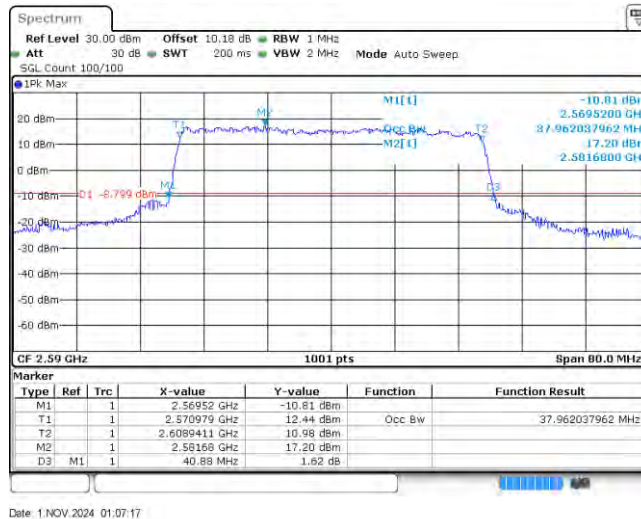
1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant4-37.962-40.800-≤40-PASS



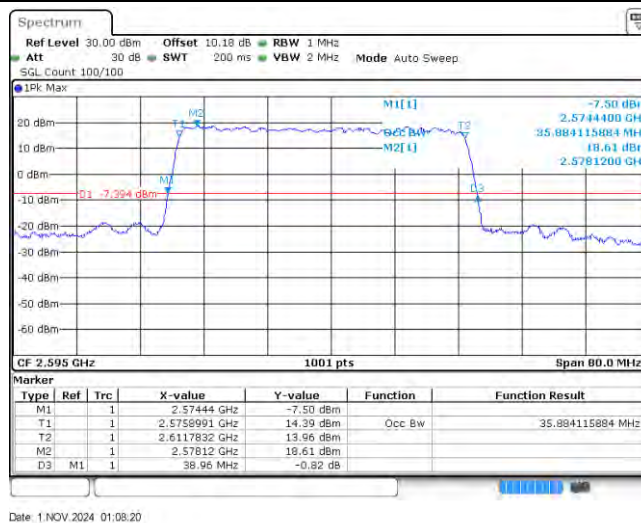
1-N38-PC3-30-40-L-7-CP-16QAM-Outer_Full-106@0-Ant4-38.042-40.960-≤40-PASS



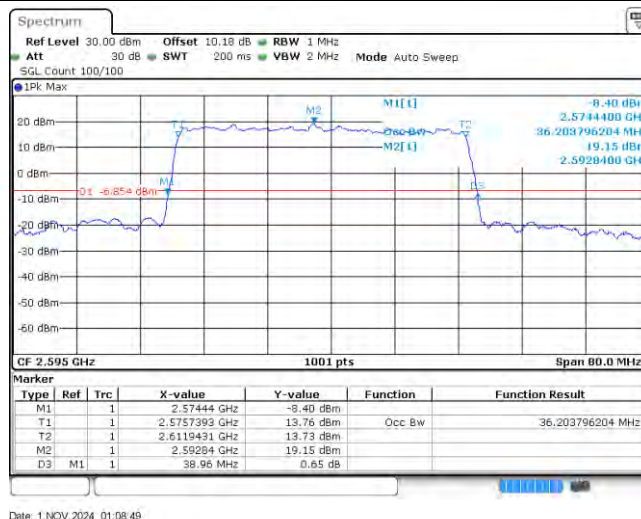
1-N38-PC3-30-40-L-8-CP-64QAM-Outer_Full-106@0-Ant4-38.122-41.120-≤40-PASS



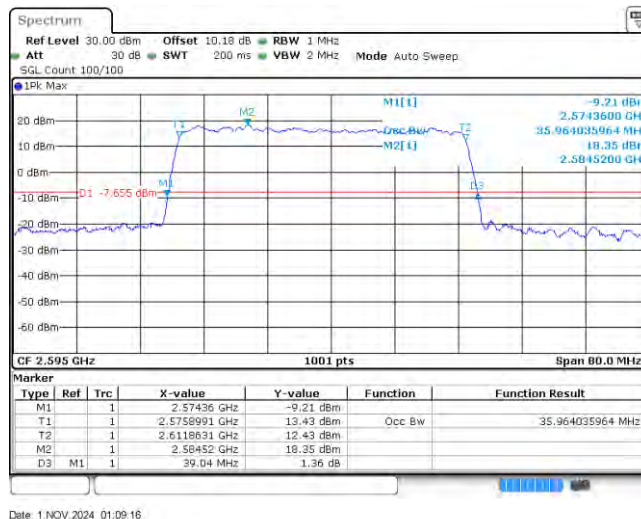
1-N38-PC3-30-40-L-9-CP-256QAM-Outer_Full-106@0-Ant4-37.962-40.880-≤40-PASS



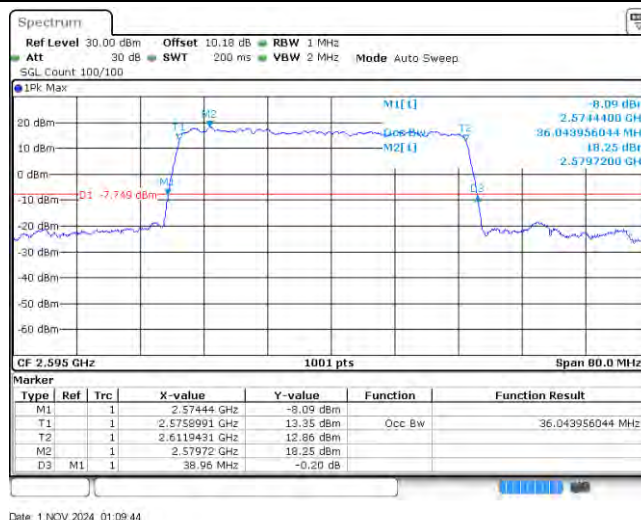
1-N38-PC3-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant4-35.884-38.960-≤40-PASS



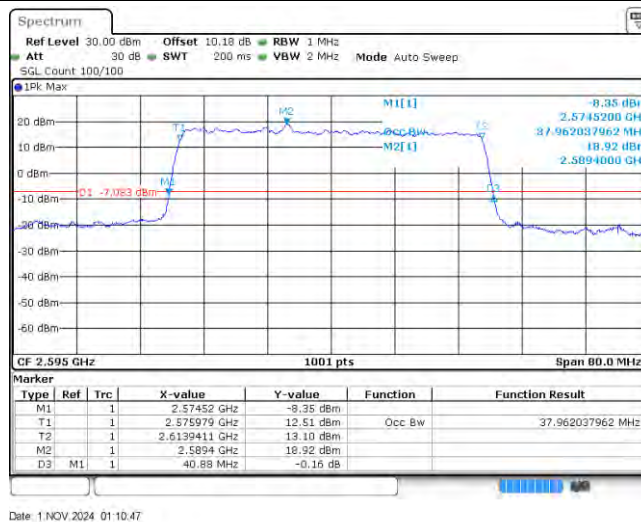
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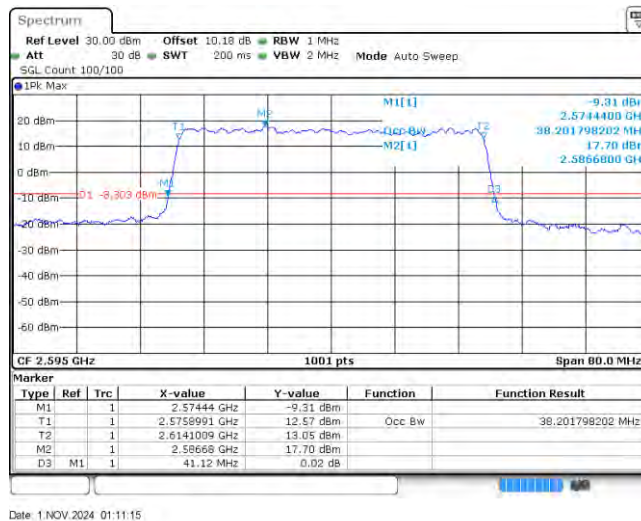
1-N38-PC3-30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant4-35.964-39.040-≤40-PASS



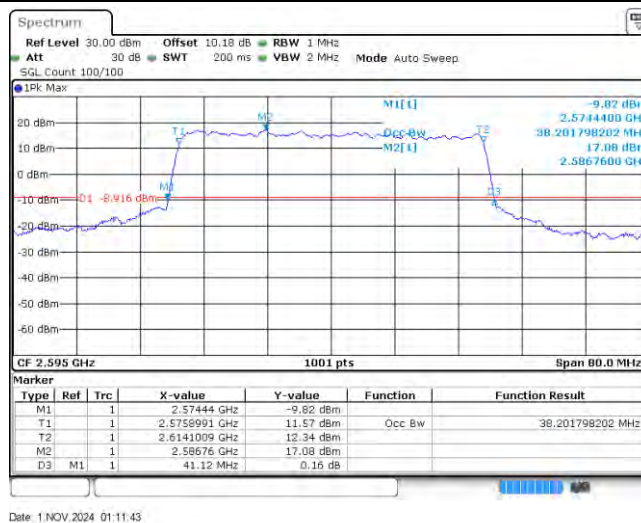
1-N38-PC3-30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant4-36.044-38.960-≤40-PASS



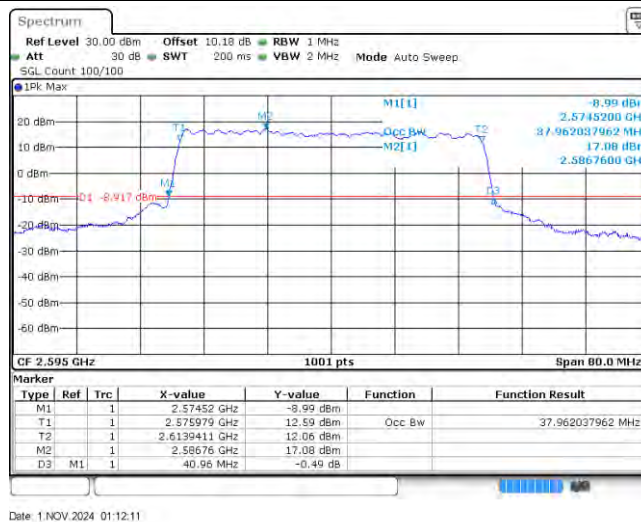
1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant4-37.962-40.880-≤40-PASS



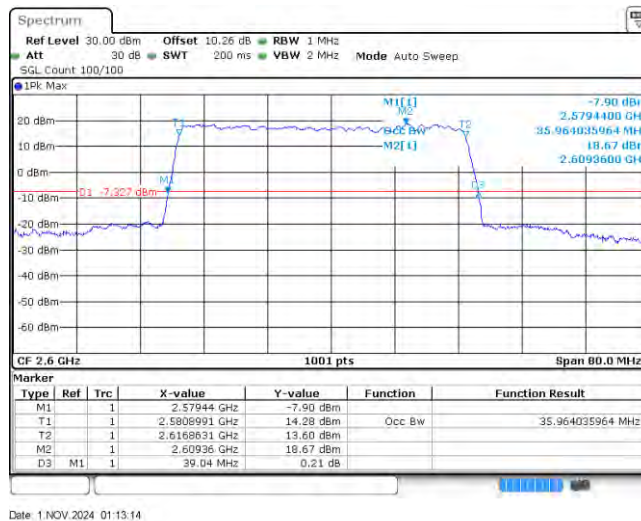
1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant4-38.202-41.120-≤40-PASS



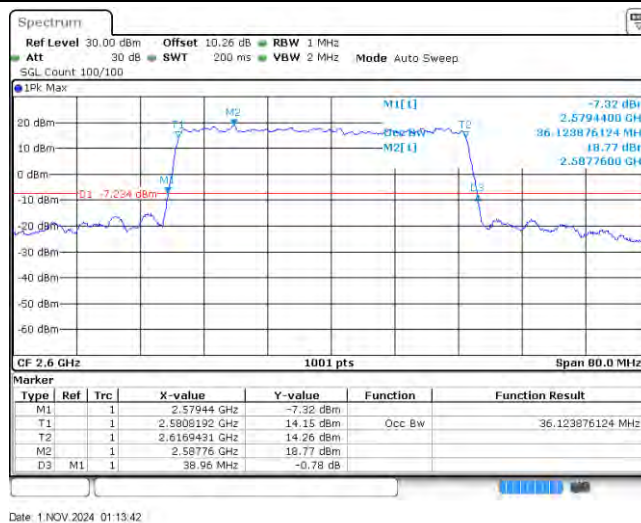
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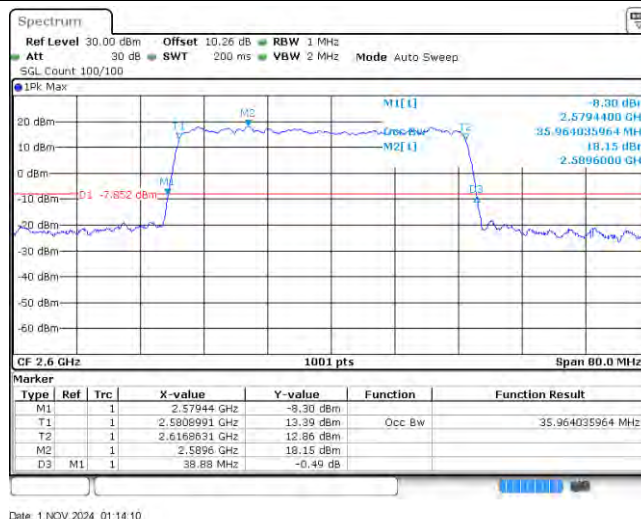
1-N38-PC3-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant4-37.962-40.960-≤40-PASS



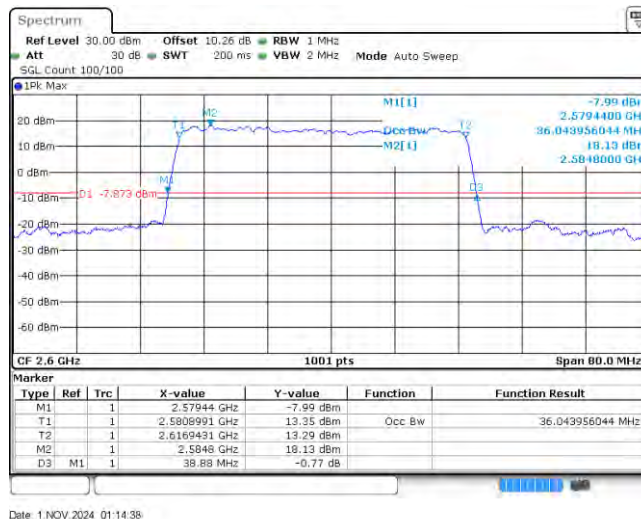
1-N38-PC3-30-40-H-1-DFT-QPSK-Outer_Full-100@0-Ant4-35.964-39.040-≤40-PASS



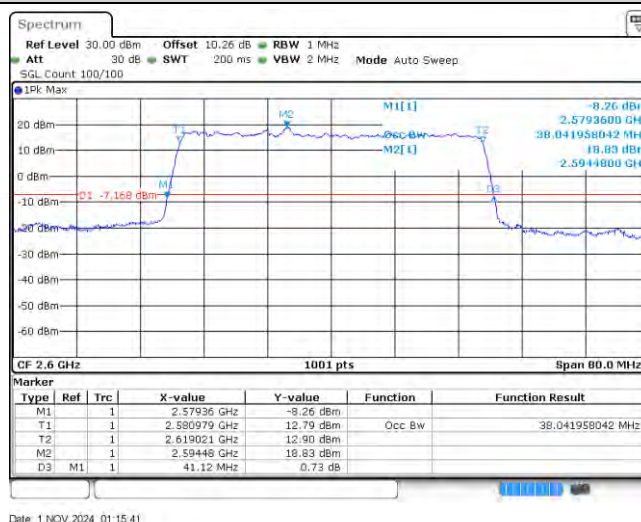
1-N38-PC3-30-40-H-3-DFT-16QAM-Outer_Full-100@0-Ant4-36.124-38.960-≤40-PASS



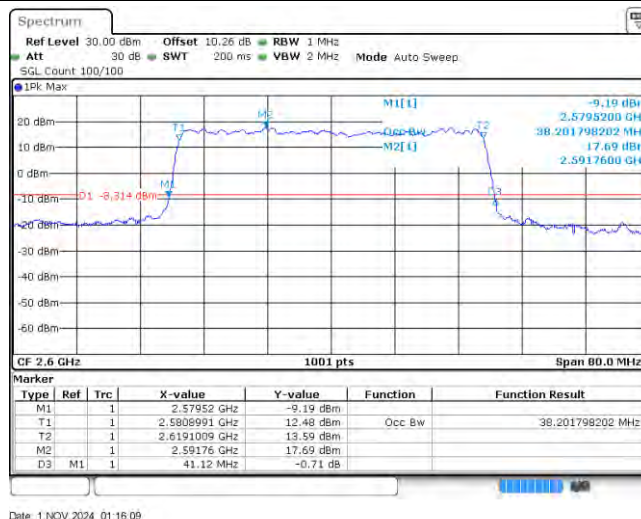
1-N38-PC3-30-40-H-4-DFT-64QAM-Outer_Full-100@0-Ant4-35.964-38.880-≤40-PASS



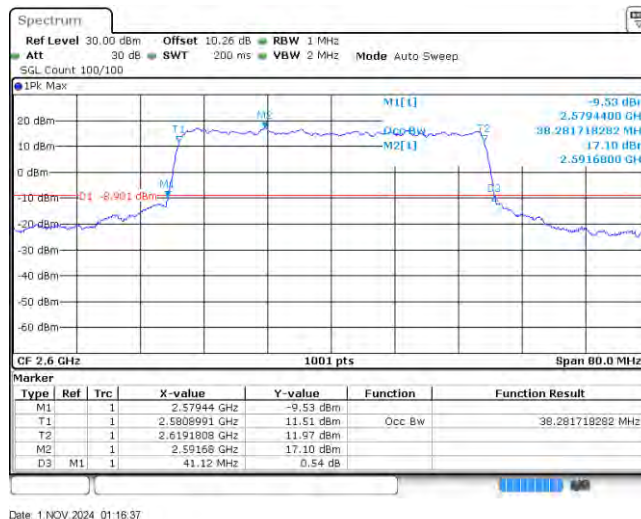
1-N38-PC3-30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant4-36.044-38.880-≤40-PASS



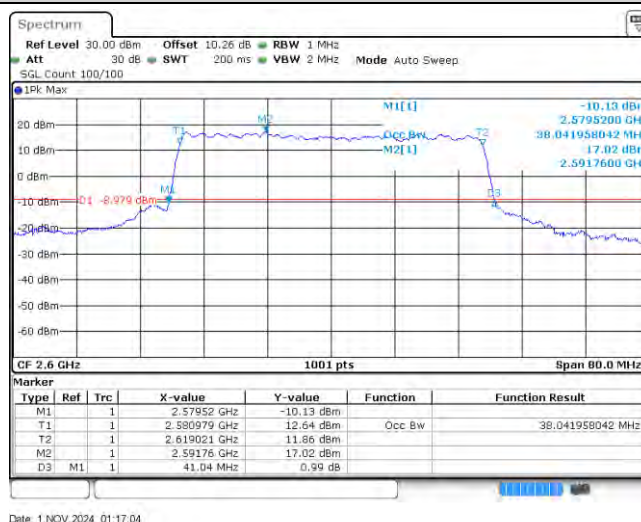
1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant4-38.042-41.120-≤40-PASS



1-N38-PC3-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant4-38.202-41.120-≤40-PASS



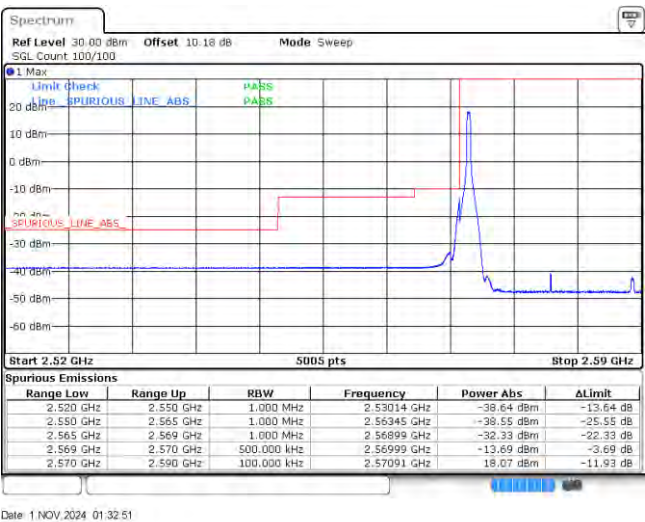
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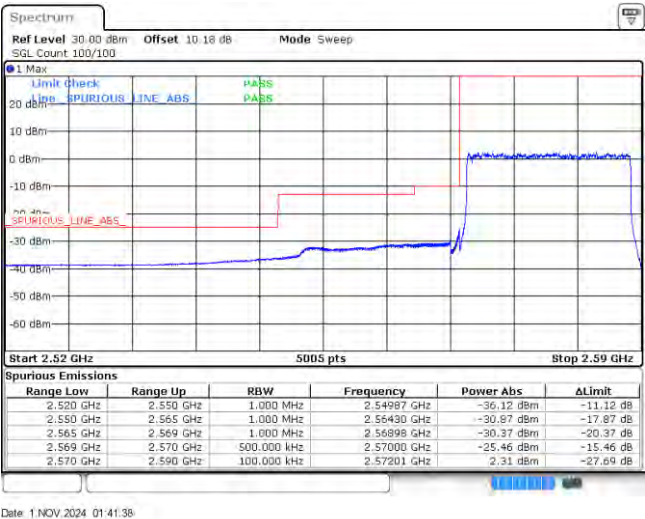
1-N38-PC3-30-40-H-9-CP-256QAM-Outer_Full-106@0-Ant4-38.042-41.040-≤40-PASS

Band Edge for SA

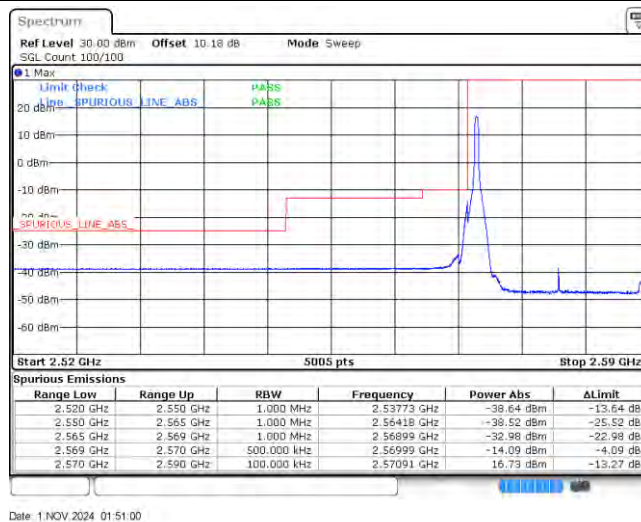
Test Graphs



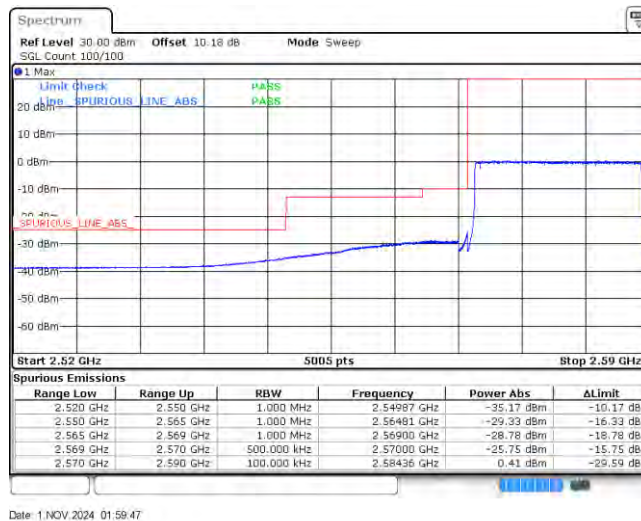
1-N38-PC3-30-20-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-2569.99-3.69--13.69-PASS



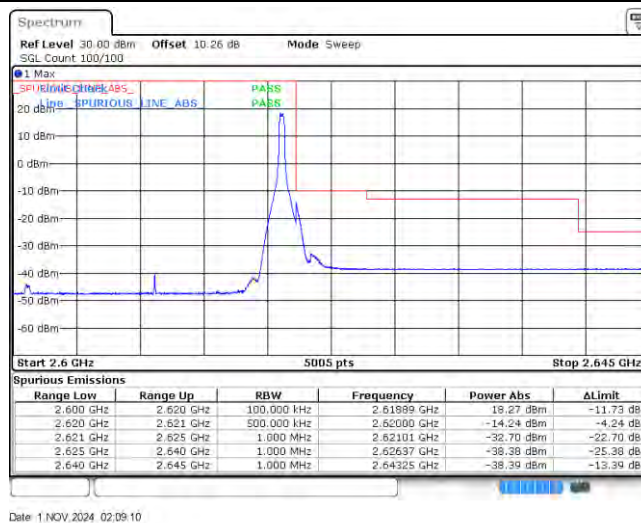
1-N38-PC3-30-20-L-3-DFT-QPSK-Outer_Full-50@0-Ant4-2549.87-11.12--36.12-PASS



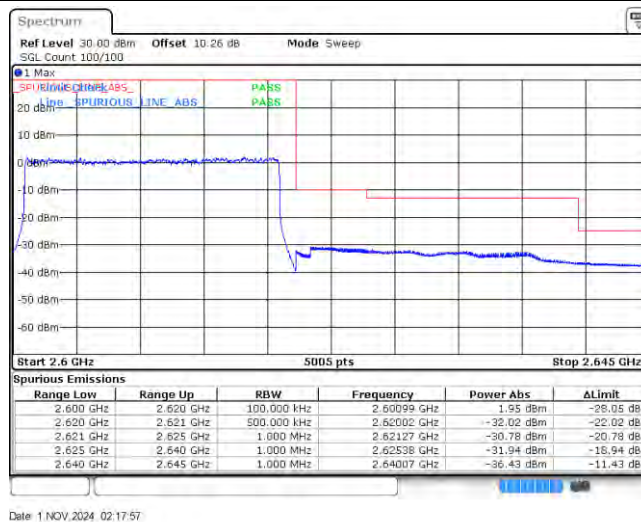
1-N38-PC3-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-2569.99-4.09--14.09-PASS



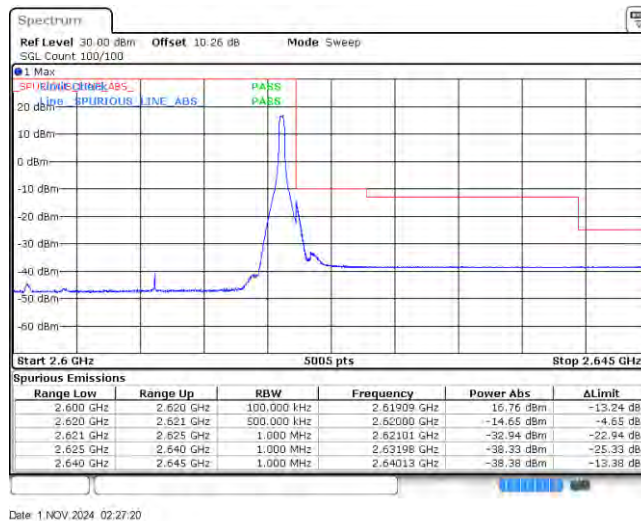
1-N38-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant4-2549.87-10.17--35.17-PASS



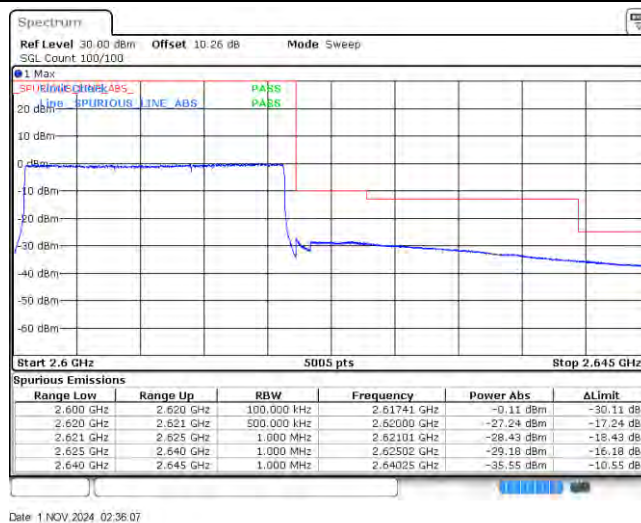
1-N38-PC3-30-20-H-2-DFT-QPSK-Edge_1RB_Right-1@50-Ant4-2620.00-4.24--14.24-PASS



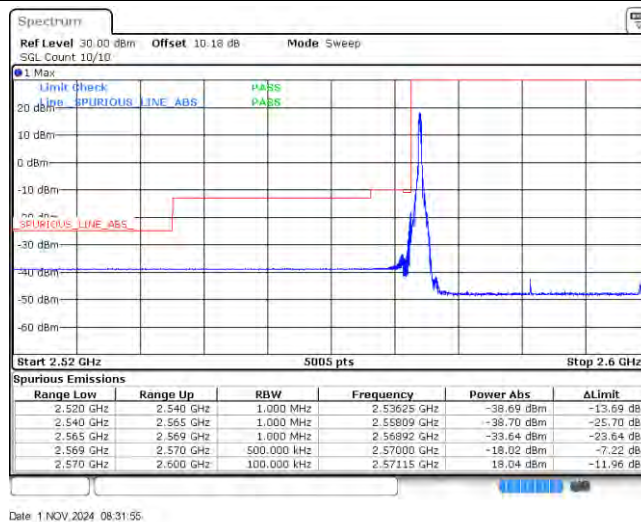
1-N38-PC3-30-20-H-3-DFT-QPSK-Outer_Full-50@0-Ant4-2640.07-11.43--36.43-PASS



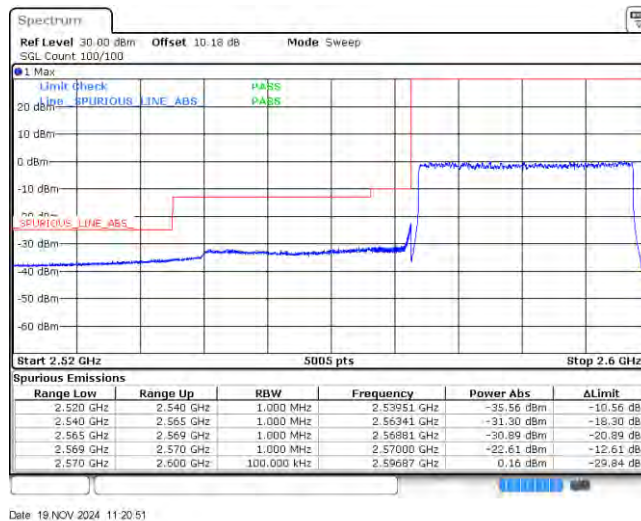
1-N38-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant4-2620.00-4.65--14.65-PASS



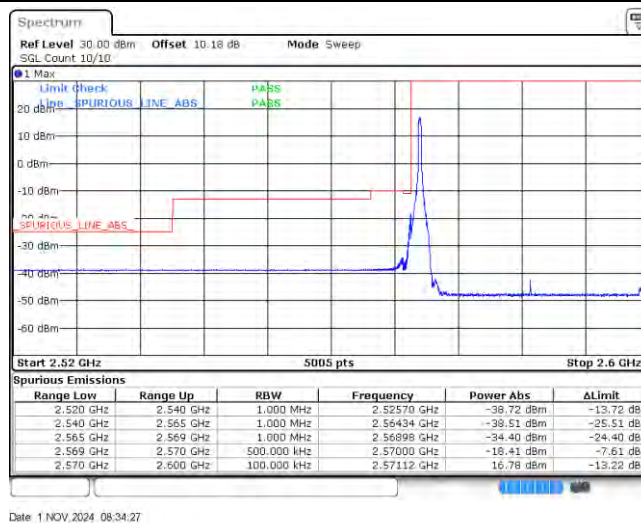
1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant4-2640.25-10.55--35.55-PASS



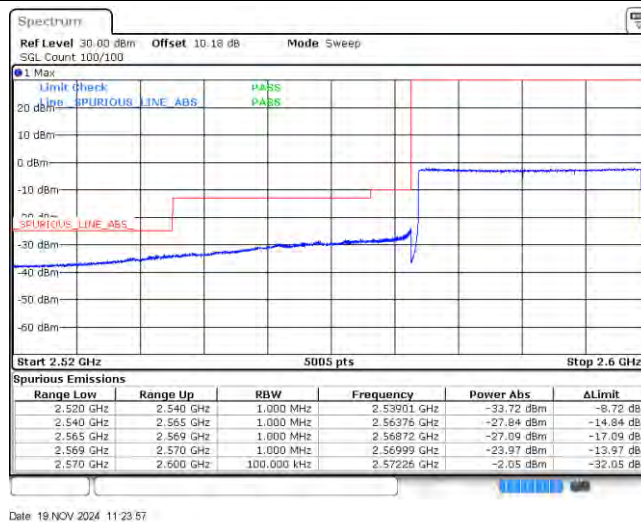
1-N38-PC3-30-30-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-2570.00-7.22--18.02-PASS



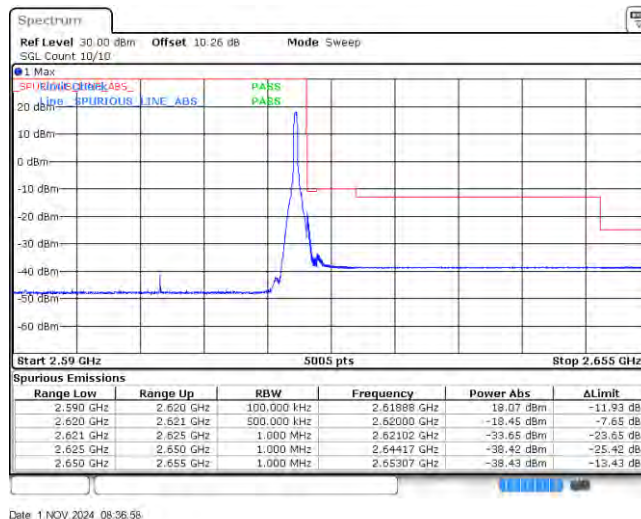
1-N38-PC3-30-30-L-3-DFT-QPSK-Outer_Full-75@0-Ant4-2539.51-10.56--35.56-PASS



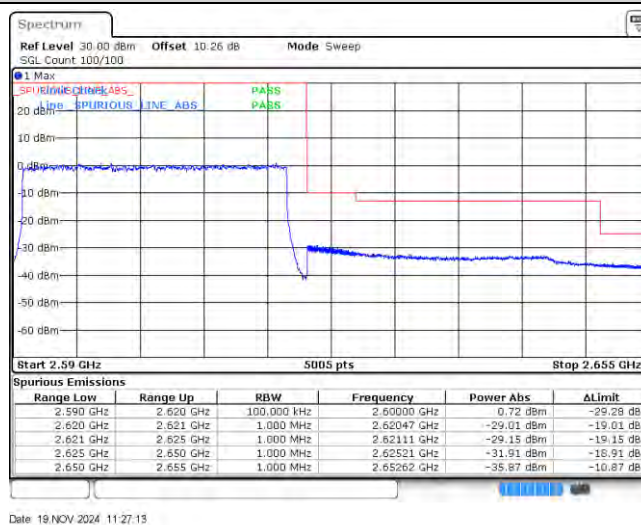
1-N38-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-2570.00-7.61--18.41-PASS



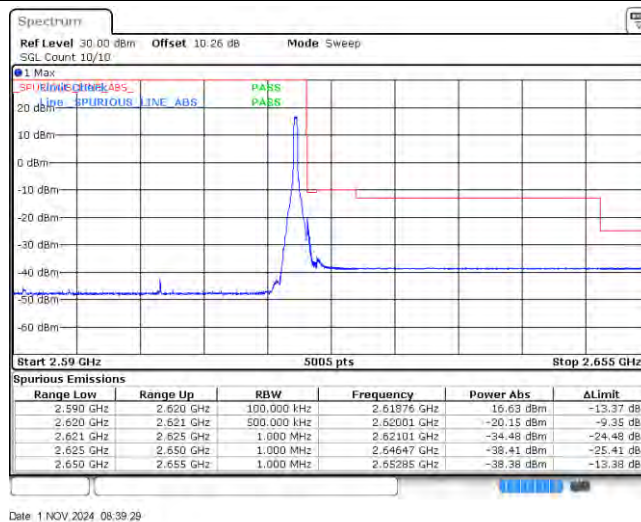
1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant4-2539.01-8.72--33.72-PASS



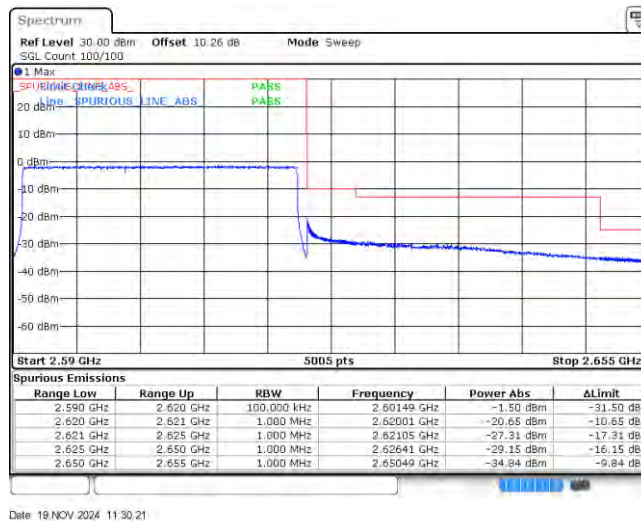
1-N38-PC3-30-30-H-2-DFT-QPSK-Edge_1RB_Right-1@77-Ant4-2620.00-7.65--18.45-PASS



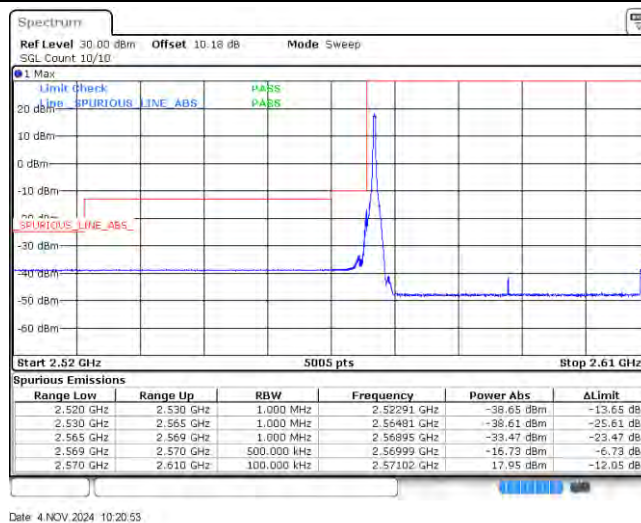
1-N38-PC3-30-30-H-3-DFT-QPSK-Outer_Full-75@0-Ant4-2652.62-10.87--35.87-PASS



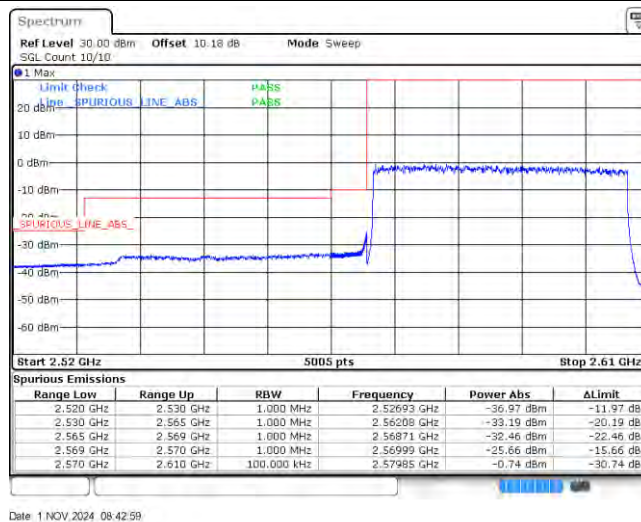
1-N38-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant4-2620.01-9.35--20.15-PASS



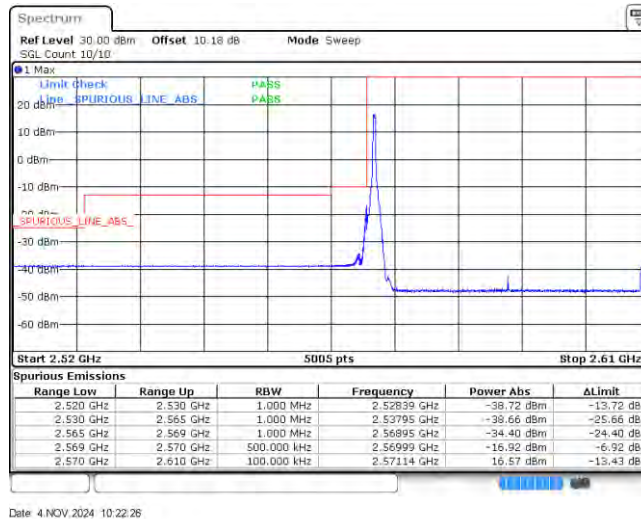
1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant4-2650.49-9.84--34.84-PASS



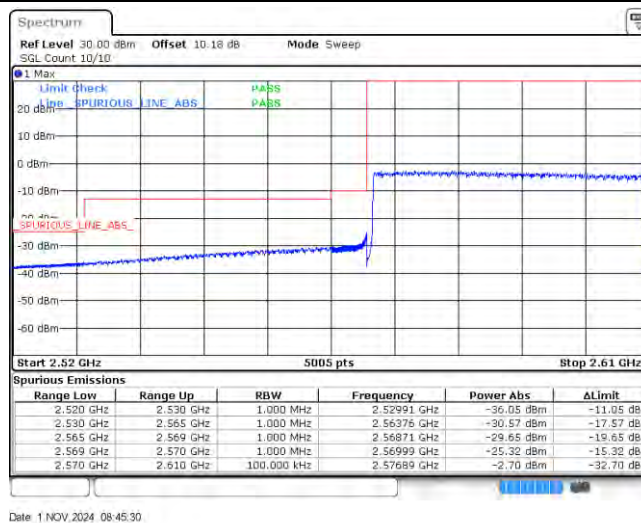
1-N38-PC3-30-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant4-2569.99-6.73--16.73-PASS



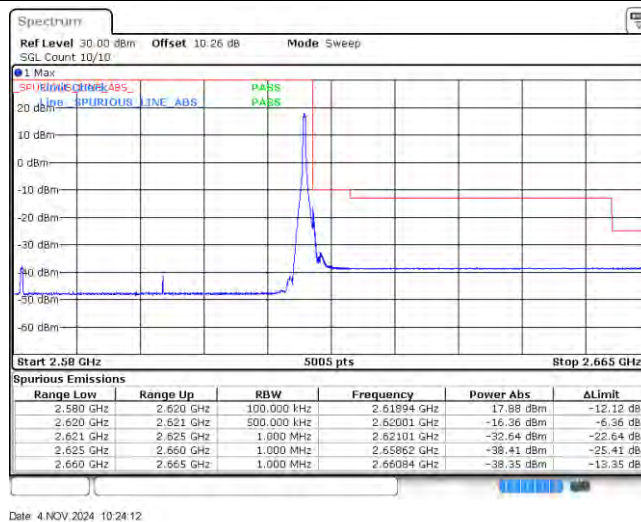
1-N38-PC3-30-40-L-3-DFT-QPSK-Outer_Full-100@0-Ant4-2526.93-11.97--36.97-PASS



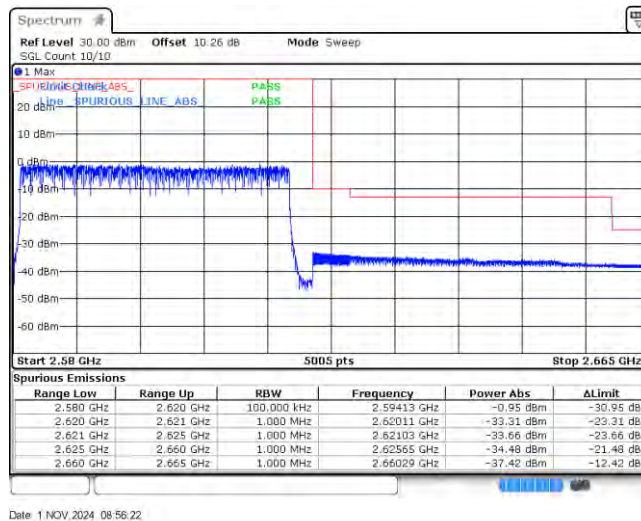
1-N38-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-2569.99-6.92--16.92-PASS



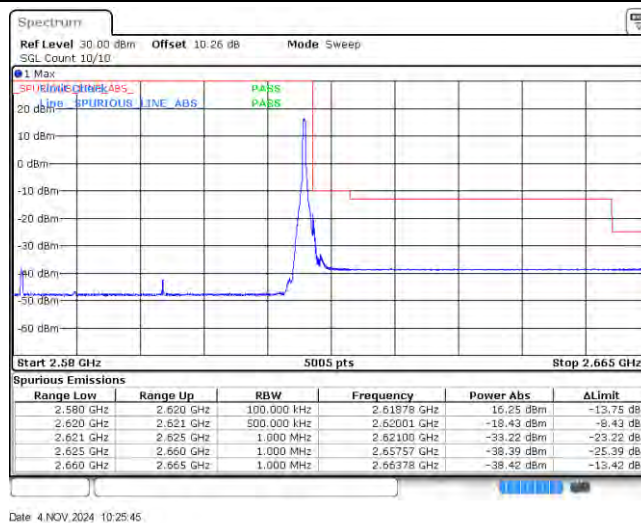
1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant4-2529.91-11.05--36.05-PASS



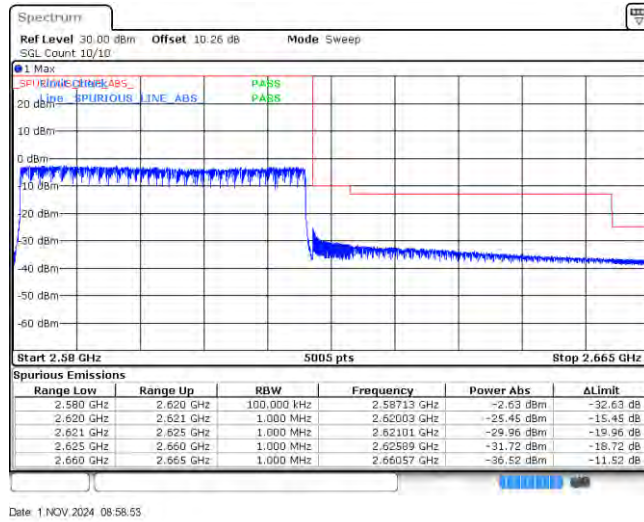
1-N38-PC3-30-40-H-2-DFT-QPSK-Edge_1RB_Right-1@105-Ant4-2620.01-6.36--16.36-PASS



1-N38-PC3-30-40-H-3-DFT-QPSK-Outer_Full-100@0-Ant4-2660.29-12.42--37.42-PASS



1-N38-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-2620.01-8.43--18.43-PASS



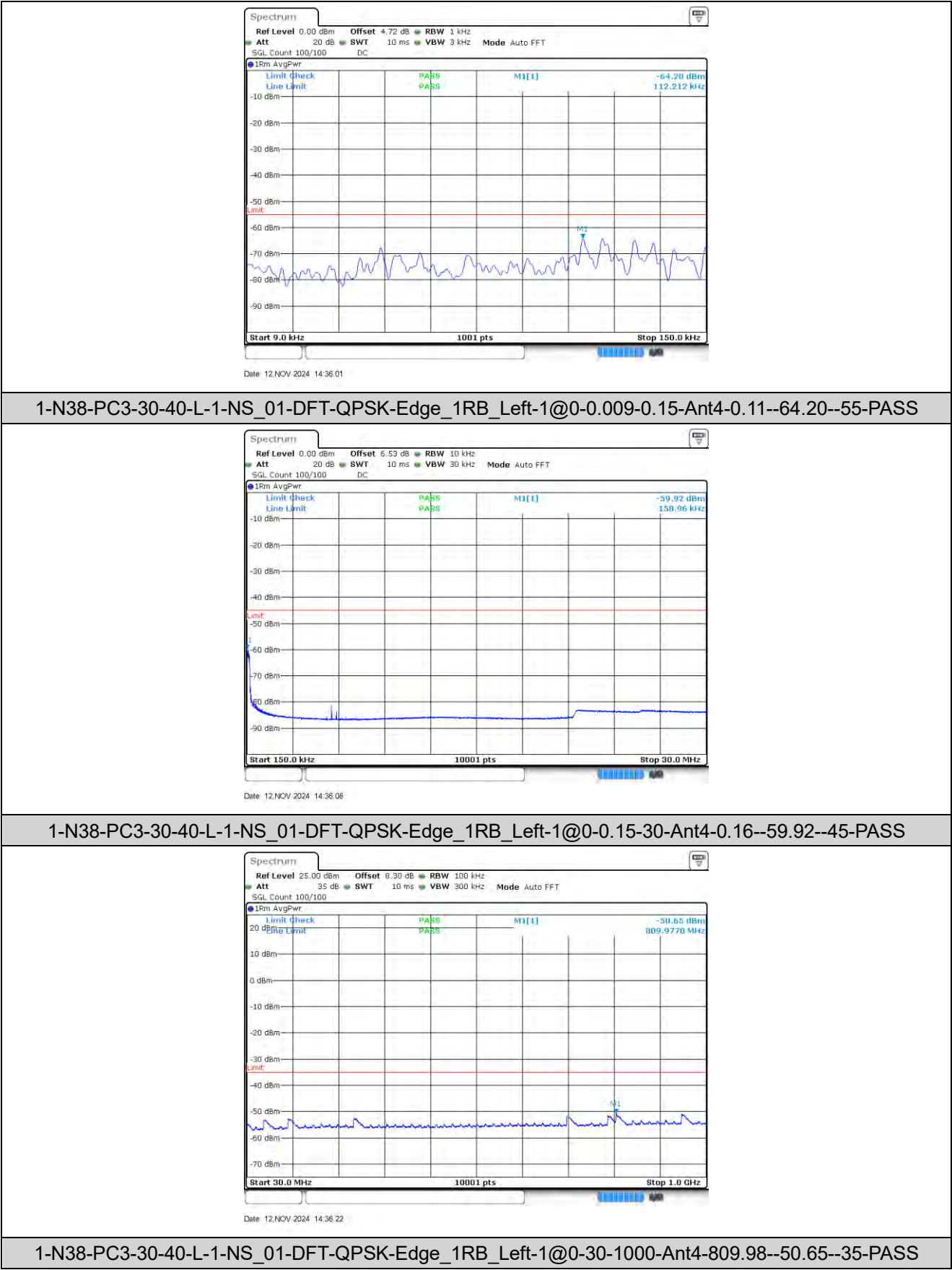
1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant4-2660.57-11.52--36.52-PASS

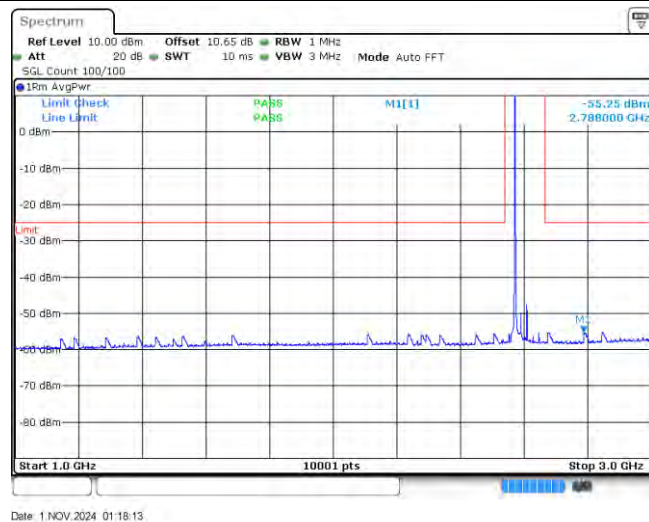
Conducted Spurious Emission for SA

Test Result

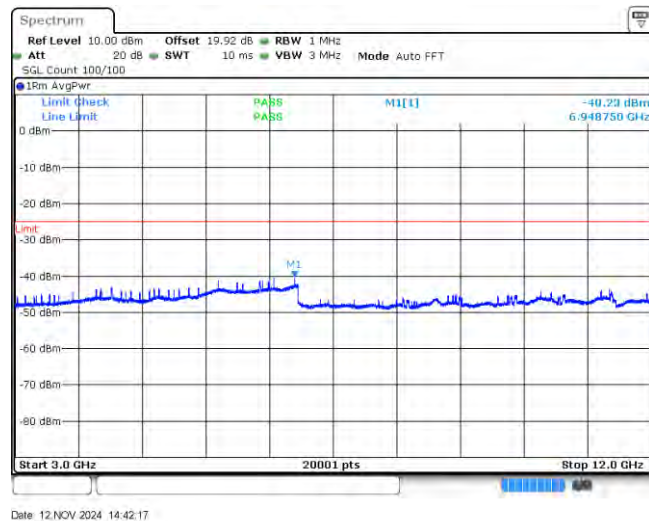
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N38	30	40	DFT-QPSK	L	0.009	0.15	1@0	-64.20	-55	PASS
N38	30	40	DFT-QPSK	L	0.15	30	1@0	-59.92	-45	PASS
N38	30	40	DFT-QPSK	L	30	1000	1@0	-50.65	-35	PASS
N38	30	40	DFT-QPSK	L	1000	3000	1@0	-55.25	-25	PASS
N38	30	40	DFT-QPSK	L	3000	12000	1@0	-40.23	-25	PASS
N38	30	40	DFT-QPSK	L	12000	26500	1@0	-39.56	-25	PASS
N38	30	40	DFT-QPSK	M	0.009	0.15	1@0	-64.11	-55	PASS
N38	30	40	DFT-QPSK	M	0.15	30	1@0	-60.31	-45	PASS
N38	30	40	DFT-QPSK	M	30	1000	1@0	-50.55	-35	PASS
N38	30	40	DFT-QPSK	M	1000	3000	1@0	-55.21	-25	PASS
N38	30	40	DFT-QPSK	M	3000	12000	1@0	-40.56	-25	PASS
N38	30	40	DFT-QPSK	M	12000	26500	1@0	-39.64	-25	PASS
N38	30	40	DFT-QPSK	H	0.009	0.15	1@0	-63.79	-55	PASS
N38	30	40	DFT-QPSK	H	0.15	30	1@0	-60.16	-45	PASS
N38	30	40	DFT-QPSK	H	30	1000	1@0	-50.66	-35	PASS
N38	30	40	DFT-QPSK	H	1000	3000	1@0	-55.25	-25	PASS
N38	30	40	DFT-QPSK	H	3000	12000	1@0	-40.65	-25	PASS
N38	30	40	DFT-QPSK	H	12000	26500	1@0	-39.83	-25	PASS

Test Graphs

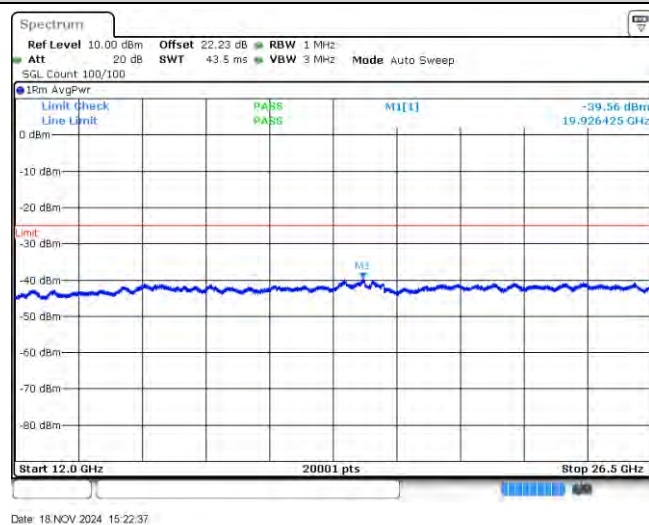




1-N38-PC3-30-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2788.00--55.25--25-PASS

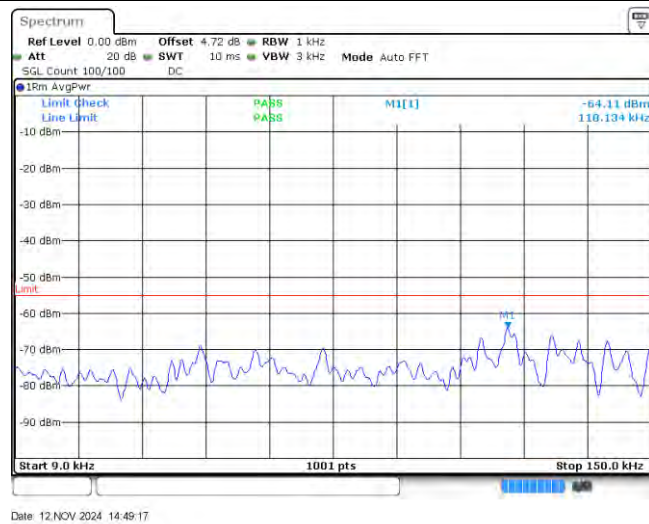


1-N38-PC3-30-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6948.75--40.23--25-PASS

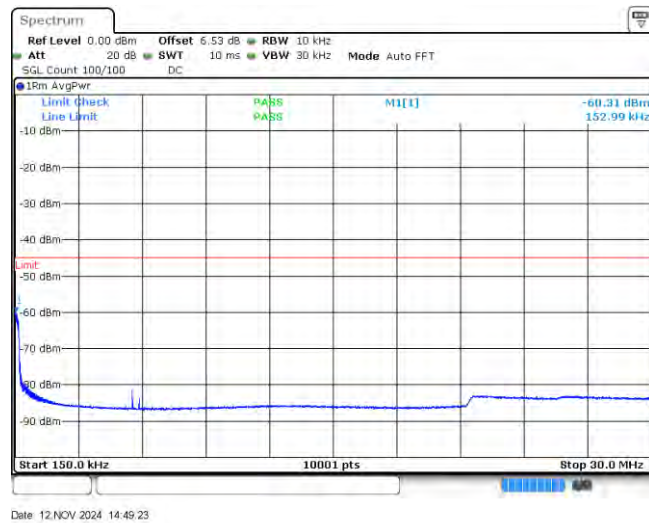


1-N38-PC3-30-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-26500-Ant4-19926.43--39.56--25-PA

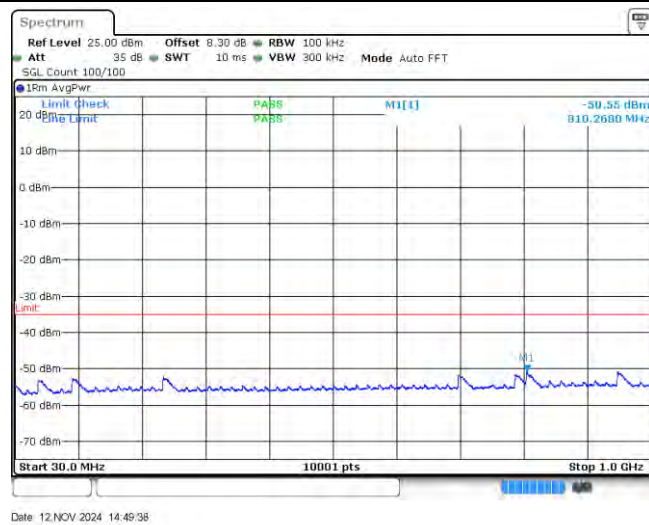
SS



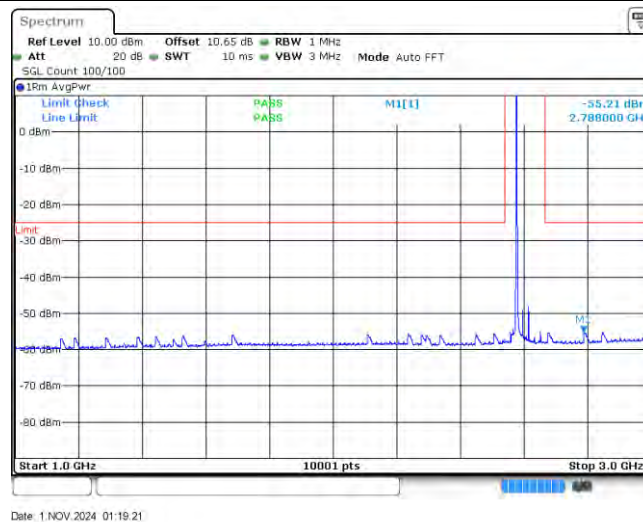
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant4-0.12--64.11--55-PASS



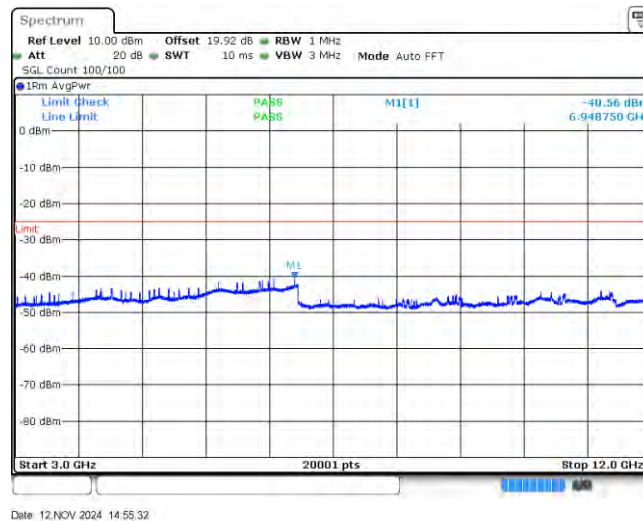
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.15--60.31--45-PASS



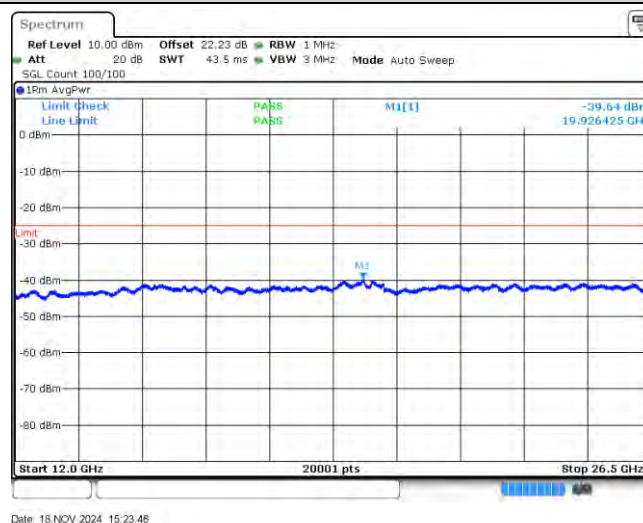
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant4-810.27--50.55--35-PASS



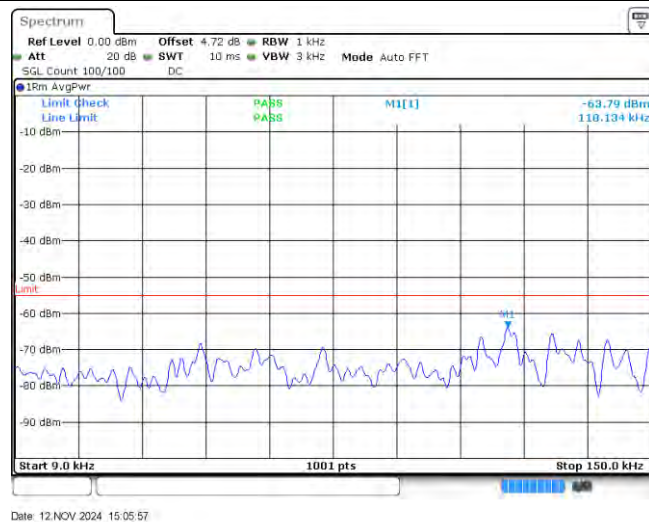
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2788.00--55.21--25-PASS



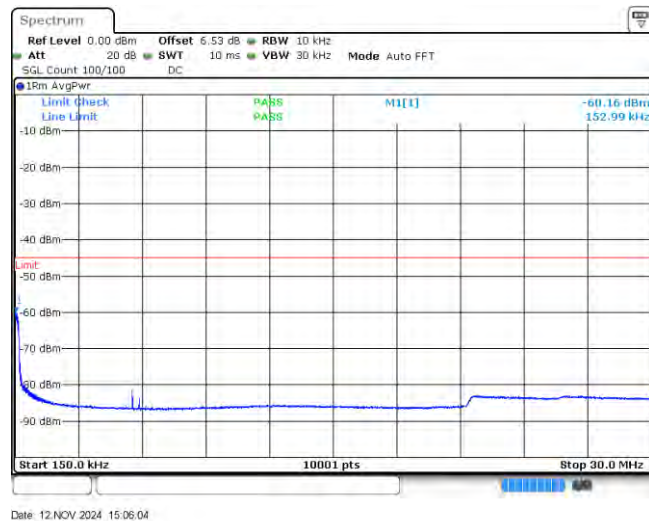
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6948.75--40.56--25-PASS



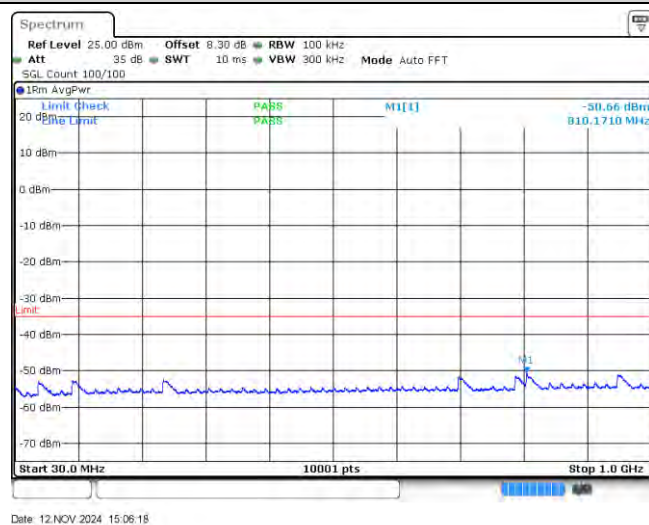
1-N38-PC3-30-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-26500-Ant4-19926.43--39.64--25-PASS



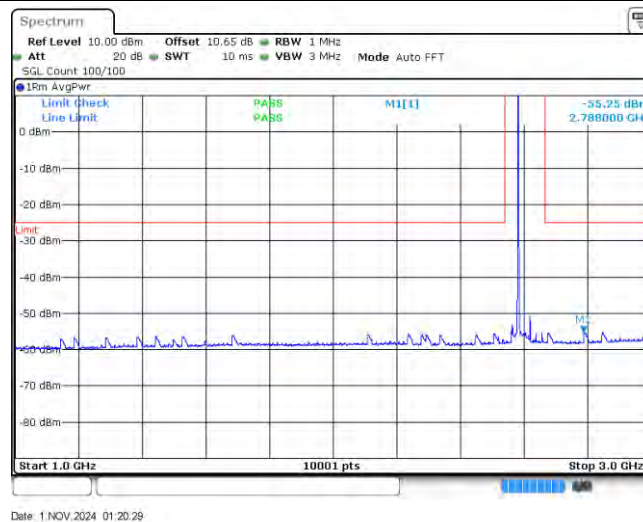
1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant4-0.12--63.79--55-PASS



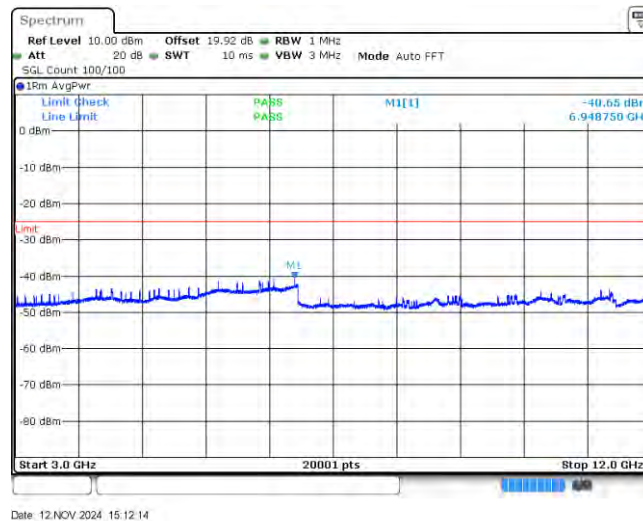
1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.15--60.16--45-PASS



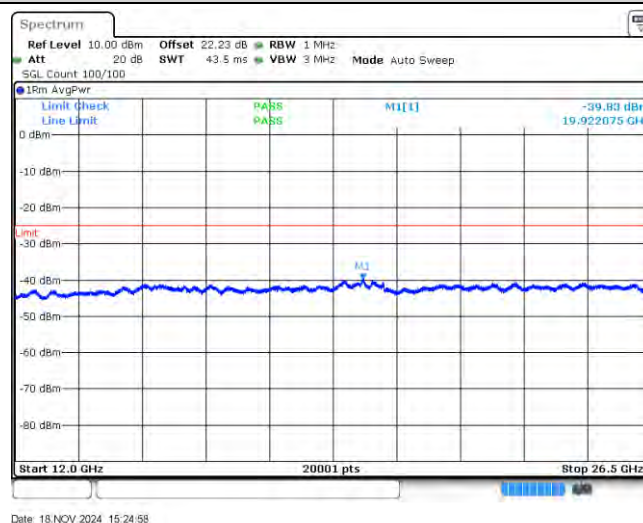
1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant4-810.17--50.66--35-PASS



1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2788.00--55.25--25-PASS



1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant4-6948.75--40.65--25-PASS



1-N38-PC3-30-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-26500-Ant4-19922.08--39.83--25-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
N38	30	40	DFT-QPSK	M	100@0	HV	NT	-6.96	-0.00268	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	NT	-3.78	-0.00146	PASS
N38	30	40	DFT-QPSK	M	100@0	LV	NT	-4.83	-0.00186	PASS
N38	30	40	CP-QPSK	M	106@0	HV	NT	-8.64	-0.00333	PASS
N38	30	40	CP-QPSK	M	106@0	NV	NT	-4.98	-0.00192	PASS
N38	30	40	CP-QPSK	M	106@0	LV	NT	-3.04	-0.00117	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-QPSK	M	100@0	NV	50	-5.733000	-0.002209	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	-20	-3.855000	-0.001486	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	-10	-3.863000	-0.001489	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	0	-7.261000	-0.002798	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	10	-8.521000	-0.003284	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	20	-6.610000	-0.002547	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	30	-6.023000	-0.002321	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	-30	-9.379000	-0.003614	PASS
N38	30	40	DFT-QPSK	M	100@0	NV	40	-5.229000	-0.002015	PASS
N38	30	40	CP-QPSK	M	106@0	NV	50	-7.245000	-0.002792	PASS
N38	30	40	CP-QPSK	M	106@0	NV	-20	-9.434000	-0.003635	PASS
N38	30	40	CP-QPSK	M	106@0	NV	-10	-5.347000	-0.002061	PASS
N38	30	40	CP-QPSK	M	106@0	NV	0	-9.725000	-0.003748	PASS
N38	30	40	CP-QPSK	M	106@0	NV	10	-8.193000	-0.003157	PASS
N38	30	40	CP-QPSK	M	106@0	NV	20	-6.346000	-0.002445	PASS
N38	30	40	CP-QPSK	M	106@0	NV	30	-5.326000	-0.002052	PASS
N38	30	40	CP-QPSK	M	106@0	NV	40	-7.014000	-0.002703	PASS
N38	30	40	CP-QPSK	M	106@0	NV	-30	-7.217000	-0.002781	PASS

Field Strength of Spurious Radiation

NR N38 ANT4-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
5144.0	-62.79	-25	-37.79	-68.4	4.62	10.23	Horizontal	Pass
7716.0	-60.2	-25	-35.2	-67.23	4.96	11.99	Horizontal	Pass
10288.0	-56.57	-25	-31.57	-64.14	5.51	13.08	Horizontal	Pass
5144.0	-62.74	-25	-37.74	-68.35	4.62	10.23	Vertical	Pass
7716.0	-59.77	-25	-34.77	-66.8	4.96	11.99	Vertical	Pass
10288.0	-57.15	-25	-32.15	-64.72	5.51	13.08	Vertical	Pass

NR N38 ANT4-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
5154.0	-59.36	-25	-34.36	-64.98	4.62	10.24	Horizontal	Pass
7731.0	-59.77	-25	-34.77	-66.82	4.96	12.01	Horizontal	Pass
10344.0	-56.75	-25	-31.75	-64.32	5.52	13.09	Horizontal	Pass
5154.0	-59.1	-25	-34.1	-64.72	4.62	10.24	Vertical	Pass
7731.0	-60.05	-25	-35.05	-67.1	4.96	12.01	Vertical	Pass
10344.0	-56.9	-25	-31.9	-64.47	5.52	13.09	Vertical	Pass

NR N38 ANT4-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
5164.0	-63.41	-25	-38.41	-69.03	4.62	10.24	Horizontal	Pass
7746.0	-60.23	-25	-35.23	-67.3	4.96	12.03	Horizontal	Pass
10328.0	-57.15	-25	-32.15	-64.73	5.51	13.09	Horizontal	Pass
5164.0	-63.78	-25	-38.78	-69.4	4.62	10.24	Vertical	Pass
7746.0	-59.79	-25	-34.79	-66.86	4.96	12.03	Vertical	Pass
10328.0	-57.17	-25	-32.17	-64.75	5.51	13.09	Vertical	Pass

NSA_2A_n38A-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
5144.0	-63.49	-25	-38.49	-69.1	4.62	10.23	Horizontal	Pass
7716.0	-59.94	-25	-34.94	-66.97	4.96	11.99	Horizontal	Pass
10288.0	-56.92	-25	-31.92	-64.49	5.51	13.08	Horizontal	Pass
5144.0	-63.5	-25	-38.5	-69.11	4.62	10.23	Vertical	Pass
7716.0	-60.22	-25	-35.22	-67.25	4.96	11.99	Vertical	Pass
10288.0	-57.04	-25	-32.04	-64.61	5.51	13.08	Vertical	Pass

NSA_2A_n38A-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
5154.0	-63.89	-25	-38.89	-69.51	4.62	10.24	Horizontal	Pass
7731.0	-59.99	-25	-34.99	-67.04	4.96	12.01	Horizontal	Pass
10344.0	-56.94	-25	-31.94	-64.51	5.52	13.09	Horizontal	Pass
5154.0	-62.83	-25	-37.83	-68.45	4.62	10.24	Vertical	Pass
7731.0	-60.51	-25	-35.51	-67.56	4.96	12.01	Vertical	Pass
10344.0	-56.63	-25	-31.63	-64.2	5.52	13.09	Vertical	Pass

NSA_2A_n38A-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
5164.0	-63.82	-25	-38.82	-69.44	4.62	10.24	Horizontal	Pass
7746.0	-59.62	-25	-34.62	-66.69	4.96	12.03	Horizontal	Pass
10328.0	-57.2	-25	-32.2	-64.78	5.51	13.09	Horizontal	Pass
5164.0	-63.13	-25	-38.13	-68.75	4.62	10.24	Vertical	Pass
7746.0	-59.77	-25	-34.77	-66.84	4.96	12.03	Vertical	Pass
10328.0	-56.79	-25	-31.79	-64.37	5.51	13.09	Vertical	Pass