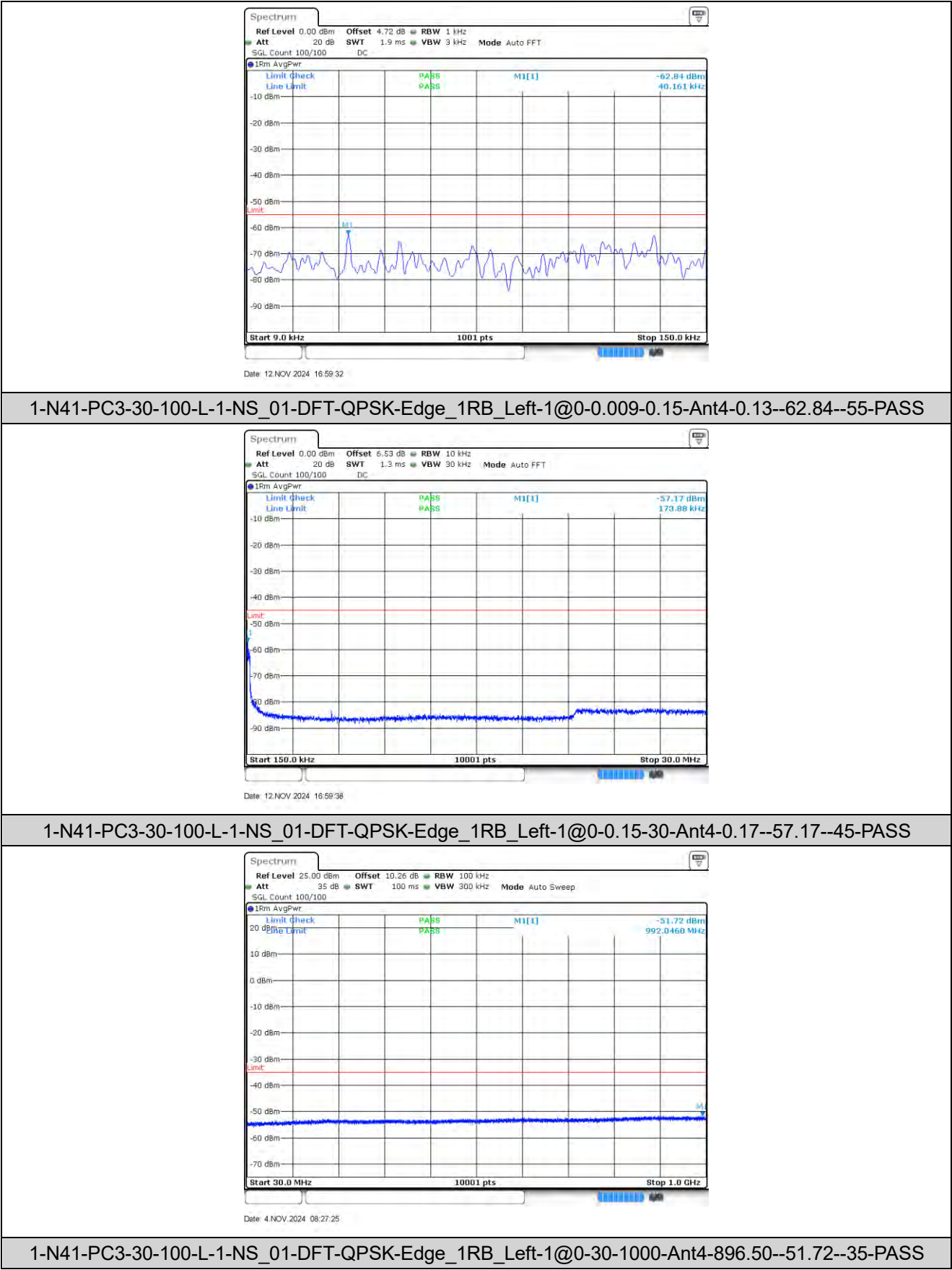
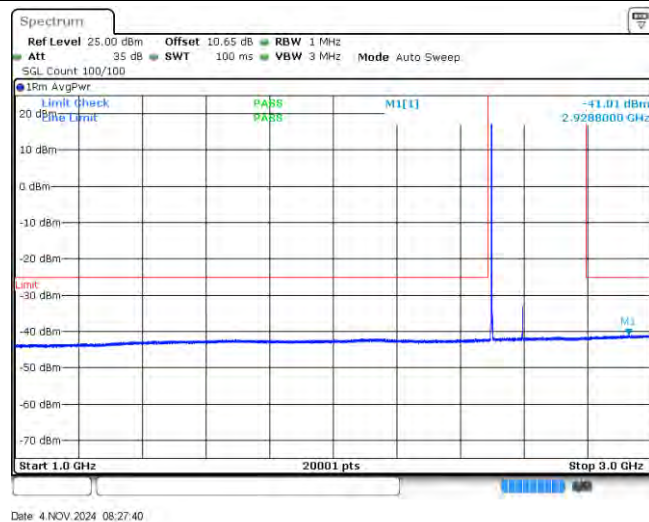
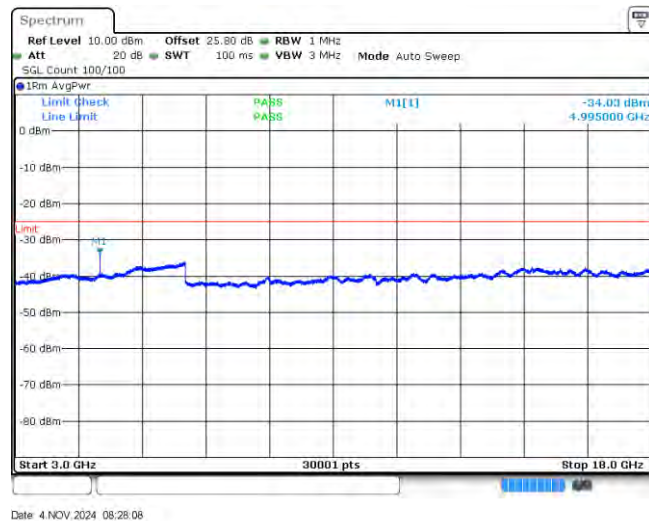


Test Graphs

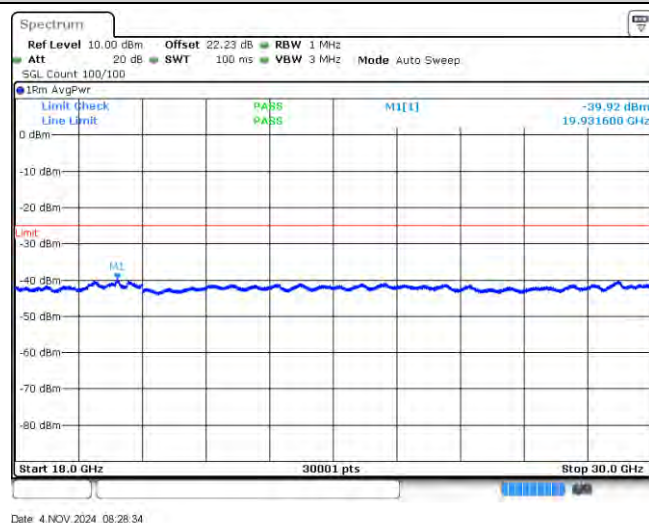




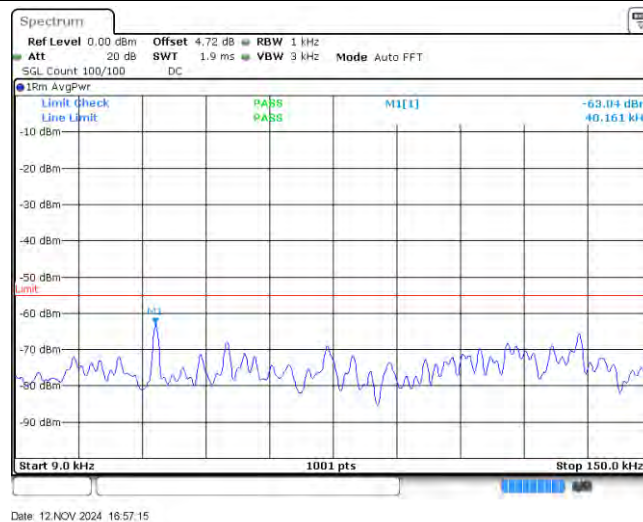
1-N41-PC3-30-100-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2993.50--41.01--25-PASS



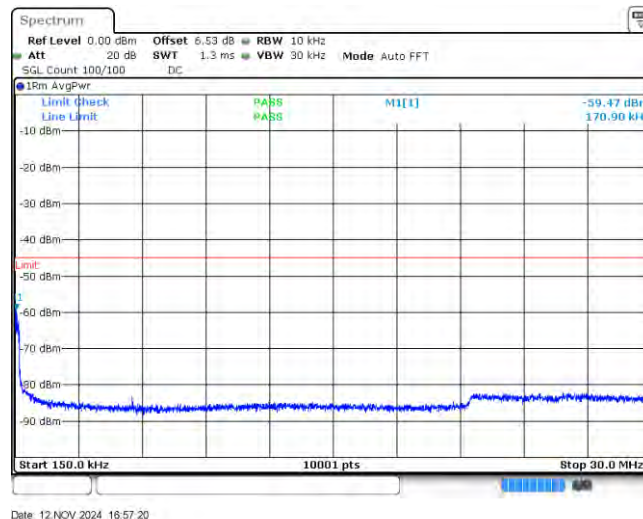
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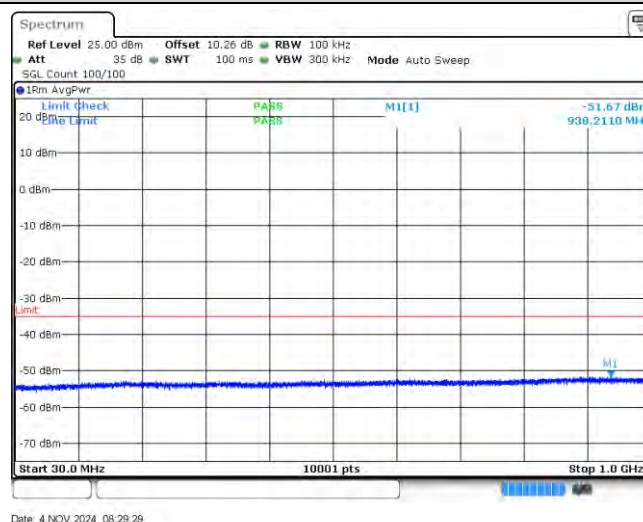
1-N41-PC3-30-100-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant4-19930.00--39.92--25-PASS



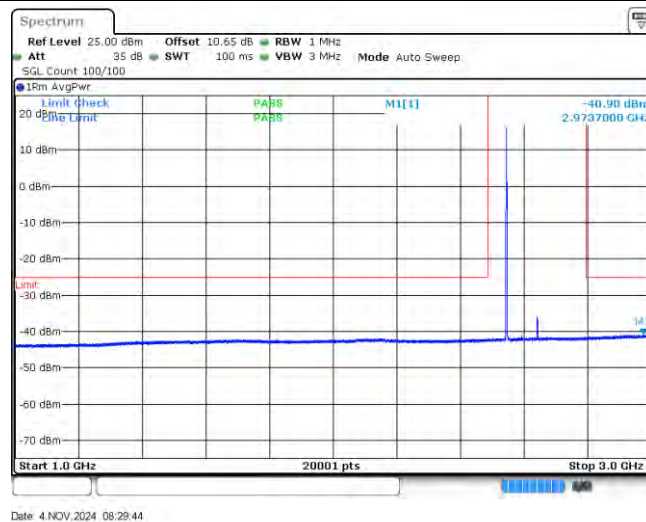
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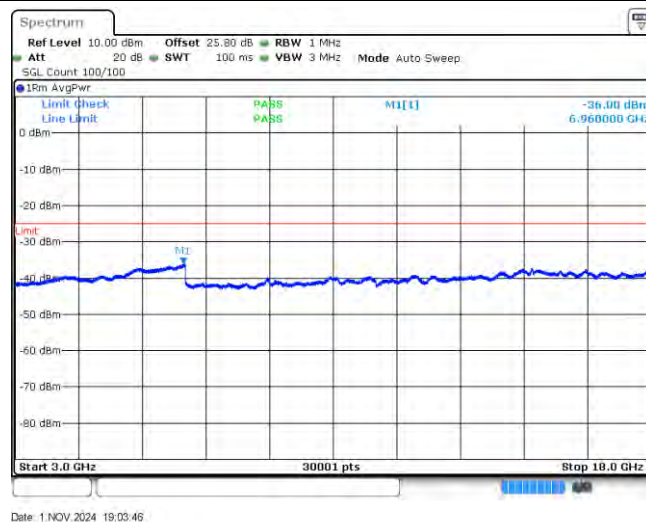
1-N41-PC3-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.17--59.47--45-PASS



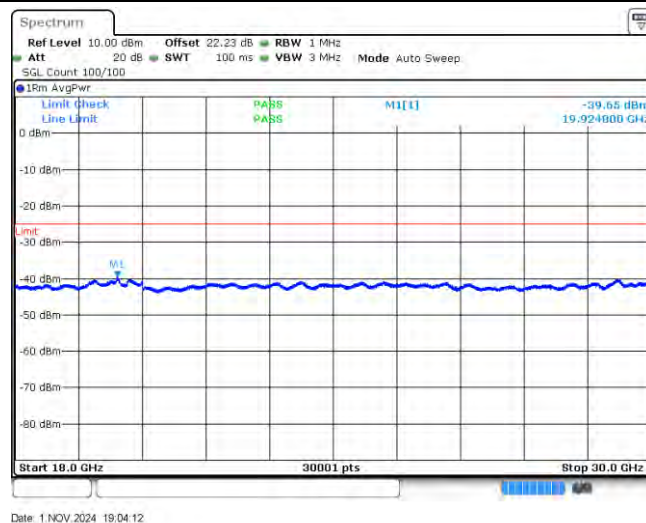
1-N41-PC3-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant4-877.88--51.67--35-PASS



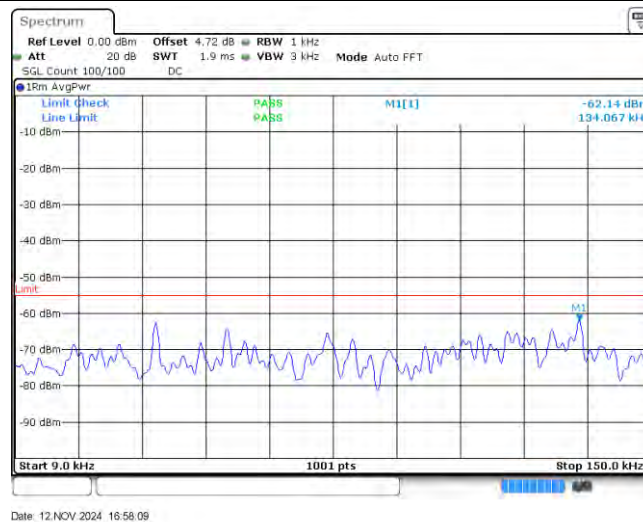
1-N41-PC3-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2975.20--40.90--25-PAS
 S



1-N41-PC3-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-18000-Ant4-6960.00--36.00--25-PA
 SS

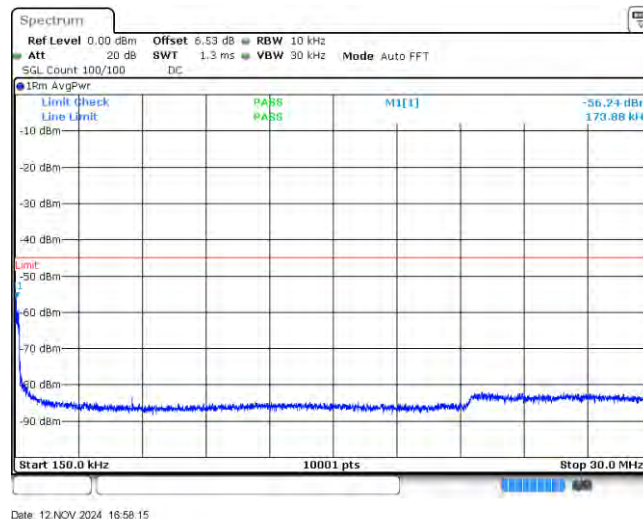


1-N41-PC3-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant4-19924.80--39.65--25-P
 ASS



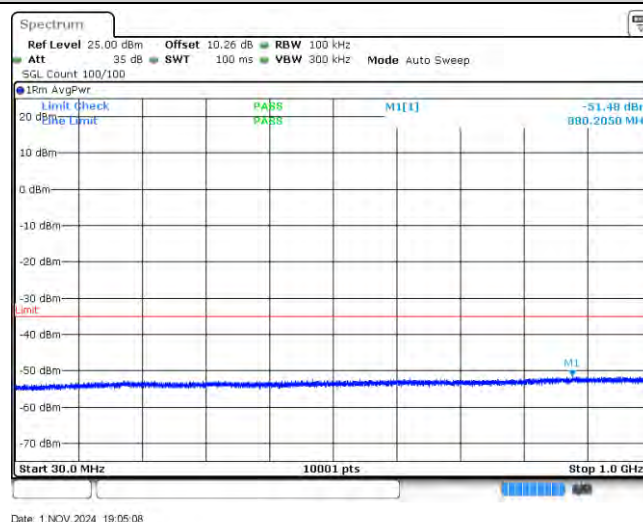
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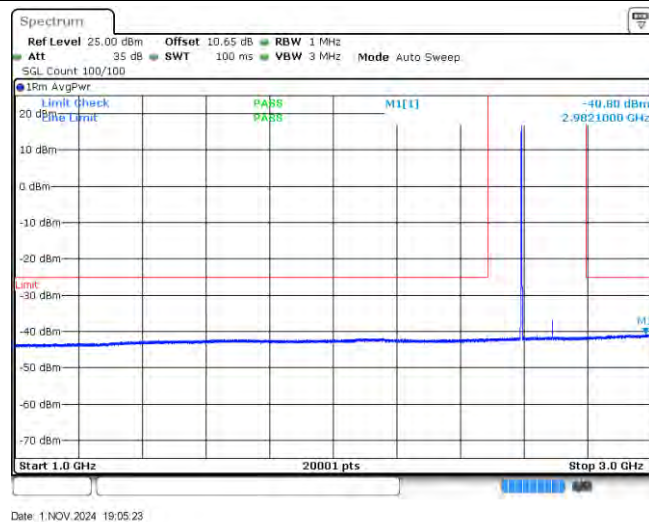
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1-N41-PC3-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant4-0.17--56.24--45-PASS

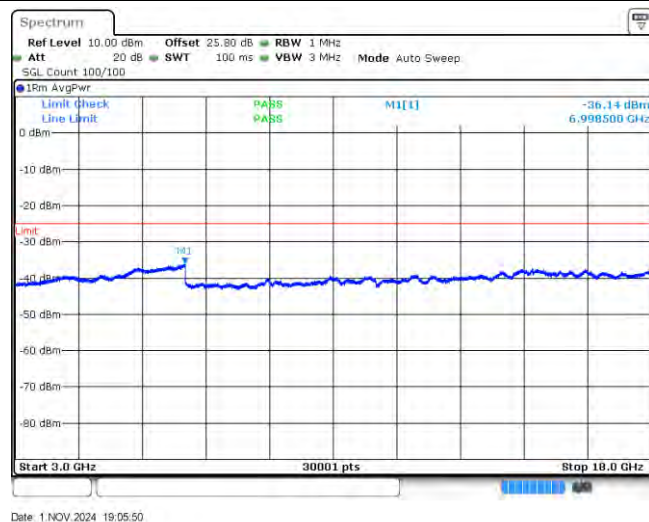


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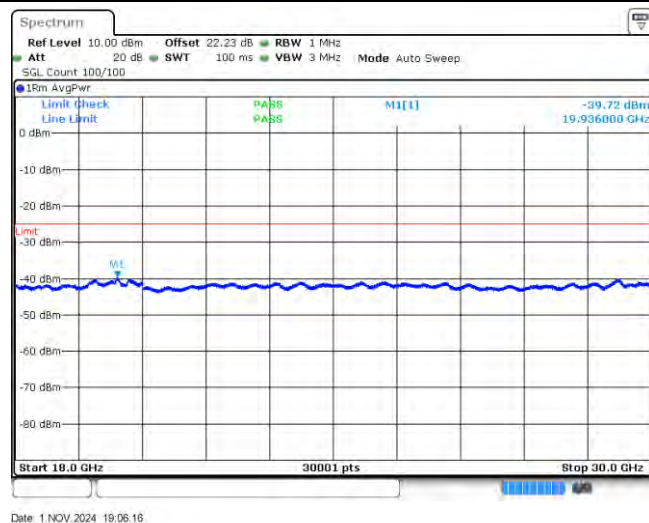
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1-N41-PC3-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant4-2982.10--40.80--25-PAS
S



1-N41-PC3-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-18000-Ant4-6998.50--36.14--25-PAS
S



1-N41-PC3-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant4-19936.00--39.72--25-P
ASS

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
N41	30	100	DFT-QPSK	M	270@0	HV	NT	-4.12	-0.00159	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	NT	-7.78	-0.00300	PASS
N41	30	100	DFT-QPSK	M	270@0	LV	NT	-8.04	-0.00310	PASS
N41	30	100	CP-QPSK	M	273@0	HV	NT	-9.68	-0.00373	PASS
N41	30	100	CP-QPSK	M	273@0	NV	NT	-9.84	-0.00379	PASS
N41	30	100	CP-QPSK	M	273@0	LV	NT	-11.27	-0.00435	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-QPSK	M	270@0	NV	50	-4.549000	-0.001754	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	-20	-5.162000	-0.001991	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	-10	-9.616000	-0.003708	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	0	-7.237000	-0.002791	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	10	-8.012000	-0.003090	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	20	-8.572000	-0.003306	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	30	-7.339000	-0.002830	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	-30	-8.550000	-0.003297	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	40	-7.262000	-0.002801	PASS
N41	30	100	CP-QPSK	M	273@0	NV	50	-10.952000	-0.004224	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-20	-8.307000	-0.003204	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-10	-7.096000	-0.002737	PASS
N41	30	100	CP-QPSK	M	273@0	NV	0	-2.313000	-0.000892	PASS
N41	30	100	CP-QPSK	M	273@0	NV	10	-6.216000	-0.002397	PASS
N41	30	100	CP-QPSK	M	273@0	NV	20	-6.858000	-0.002645	PASS
N41	30	100	CP-QPSK	M	273@0	NV	30	-10.312000	-0.003977	PASS
N41	30	100	CP-QPSK	M	273@0	NV	40	-8.501000	-0.003278	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-30	-6.630000	-0.002557	PASS

Field Strength of Spurious Radiation

NR N41 ANT4-Low channel, Modulation: QPSK, Bandwidth:100MHz, 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
5002.02	-50.85	-25	-25.85	-56.42	4.57	10.14	Horizontal	Pass
7503.03	-60.58	-25	-35.58	-67.38	4.94	11.74	Horizontal	Pass
10004.04	-57.26	-25	-32.26	-64.83	5.46	13.03	Horizontal	Pass
5002.02	-57.58	-25	-32.58	-63.15	4.57	10.14	Vertical	Pass
7503.03	-60.63	-25	-35.63	-67.43	4.94	11.74	Vertical	Pass
10004.04	-56.99	-25	-31.99	-64.56	5.46	13.03	Vertical	Pass

NR N41 ANT4-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 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
5095.98	-63.15	-25	-38.15	-68.75	4.6	10.2	Horizontal	Pass
7643.97	-60.31	-25	-35.31	-67.27	4.95	11.91	Horizontal	Pass
10191.96	-57.07	-25	-32.07	-64.64	5.49	13.06	Horizontal	Pass
5095.98	-62.75	-25	-37.75	-68.35	4.6	10.2	Vertical	Pass
7643.97	-60.23	-25	-35.23	-67.19	4.95	11.91	Vertical	Pass
10191.96	-56.87	-25	-31.87	-64.44	5.49	13.06	Vertical	Pass

NR N41 ANT4-High channel, Modulation: QPSK, Bandwidth:100MHz, 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
5190.0	-63.91	-25	-38.91	-69.54	4.63	10.26	Horizontal	Pass
7785.0	-59.81	-25	-34.81	-66.93	4.96	12.08	Horizontal	Pass
10380.0	-57.46	-25	-32.46	-65.04	5.52	13.1	Horizontal	Pass
5190.0	-63.95	-25	-38.95	-69.58	4.63	10.26	Vertical	Pass
7785.0	-59.18	-25	-34.18	-66.3	4.96	12.08	Vertical	Pass
10380.0	-57.37	-25	-32.37	-64.95	5.52	13.1	Vertical	Pass

NSA_2A_n41A-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
5002.02	-51.89	-25	-26.89	-57.46	4.57	10.14	Horizontal	Pass
7503.03	-60.66	-25	-35.66	-67.46	4.94	11.74	Horizontal	Pass
10004.04	-57.22	-25	-32.22	-64.79	5.46	13.03	Horizontal	Pass
5002.02	-52.83	-25	-27.83	-58.4	4.57	10.14	Vertical	Pass
7503.03	-59.63	-25	-34.63	-66.43	4.94	11.74	Vertical	Pass
10004.04	-56.91	-25	-31.91	-64.48	5.46	13.03	Vertical	Pass

NSA_2A_n41A-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
5095.98	-63.37	-25	-38.37	-68.97	4.6	10.2	Horizontal	Pass
7643.97	-59.72	-25	-34.72	-66.68	4.95	11.91	Horizontal	Pass
10191.96	-56.81	-25	-31.81	-64.38	5.49	13.06	Horizontal	Pass
5095.98	-61.57	-25	-36.57	-67.17	4.6	10.2	Vertical	Pass
7643.97	-60.05	-25	-35.05	-67.01	4.95	11.91	Vertical	Pass
10191.96	-56.87	-25	-31.87	-64.44	5.49	13.06	Vertical	Pass

NSA_2A_n41A-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
5190.0	-63.7	-25	-38.7	-69.33	4.63	10.26	Horizontal	Pass
7785.0	-59.25	-25	-34.25	-66.37	4.96	12.08	Horizontal	Pass
10380.0	-56.18	-25	-31.18	-63.76	5.52	13.1	Horizontal	Pass
5190.0	-63.23	-25	-38.23	-68.86	4.63	10.26	Vertical	Pass
7785.0	-59.3	-25	-34.3	-66.42	4.96	12.08	Vertical	Pass
10380.0	-56.69	-25	-31.69	-64.27	5.52	13.1	Vertical	Pass