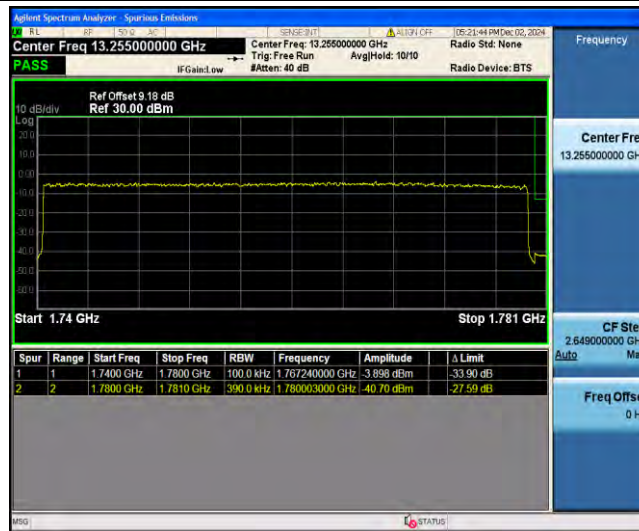
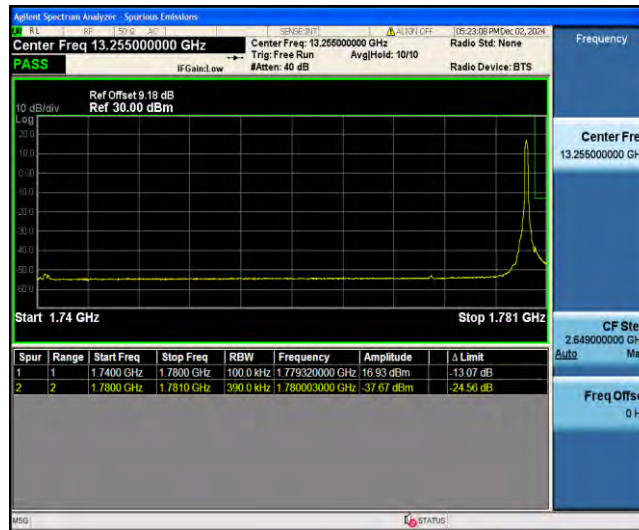
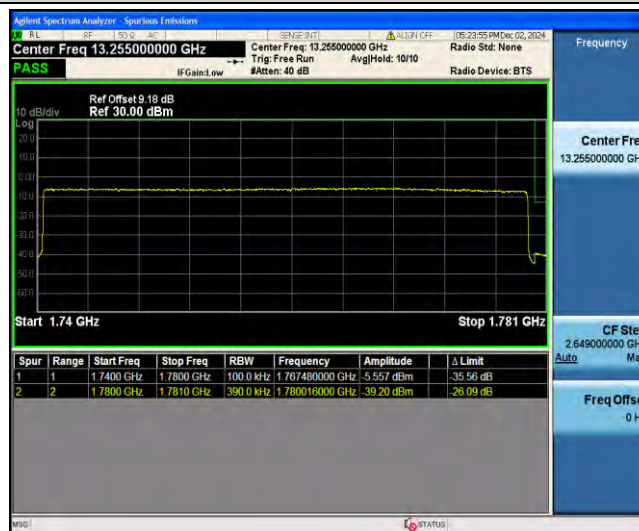




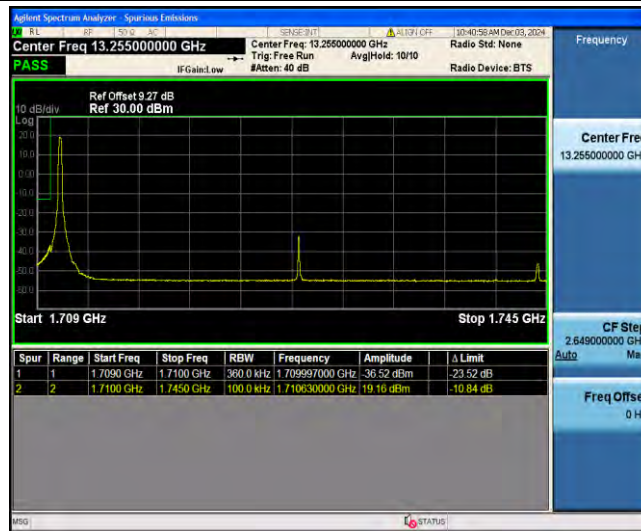
1-N66-PC3-15-40-H-3-DFT-QPSK-Outer_Full-216@0-Ant3-1780.00-27.60--40.70-PASS



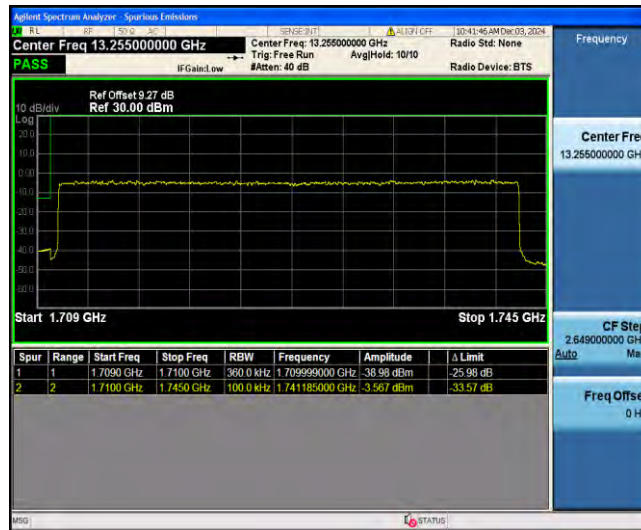
1-N66-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant3-1780.00-24.57--37.67-PASS



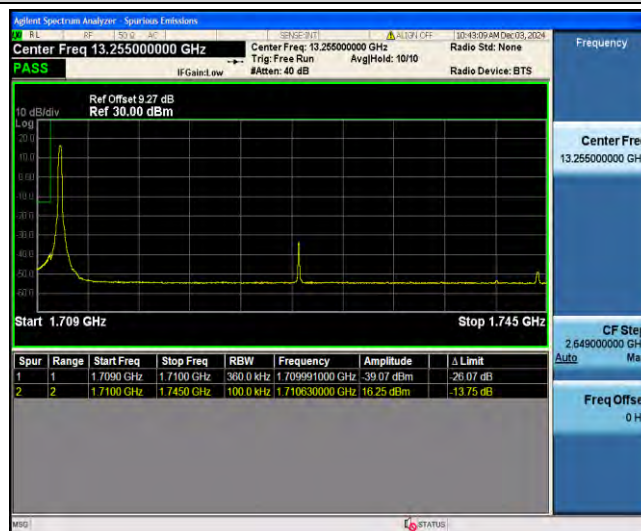
1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant3-1780.02-26.10--39.20-PASS



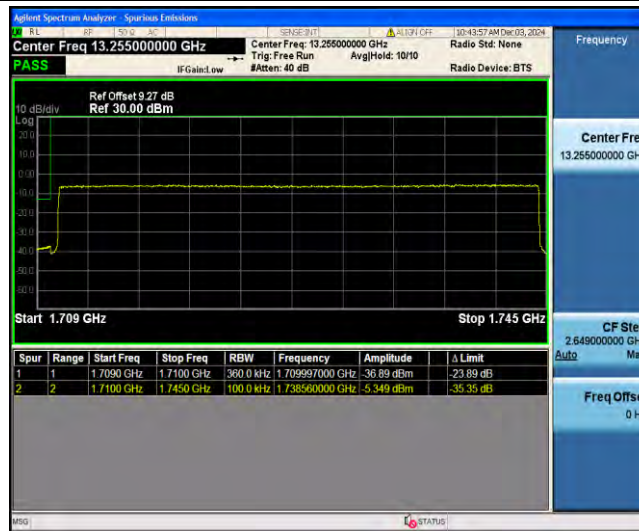
1-N66-PC3-15-35-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-1710.00-23.52--36.52-PASS



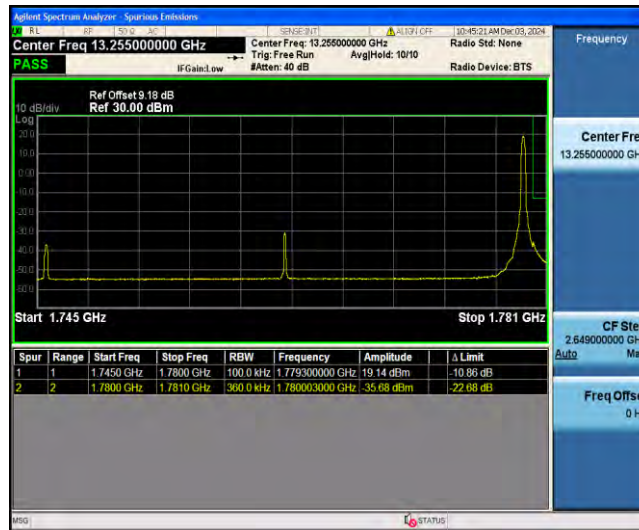
1-N66-PC3-15-35-L-3-DFT-QPSK-Outer_Full-180@0-Ant3-1710.00-25.98--38.98-PASS



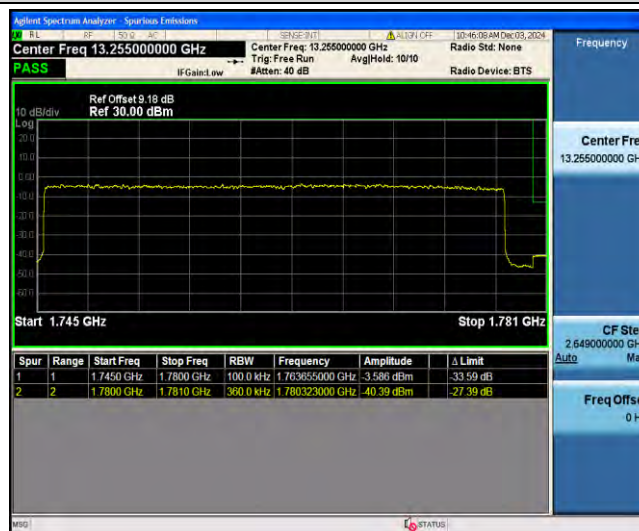
1-N66-PC3-15-35-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1709.99-26.07--39.07-PASS



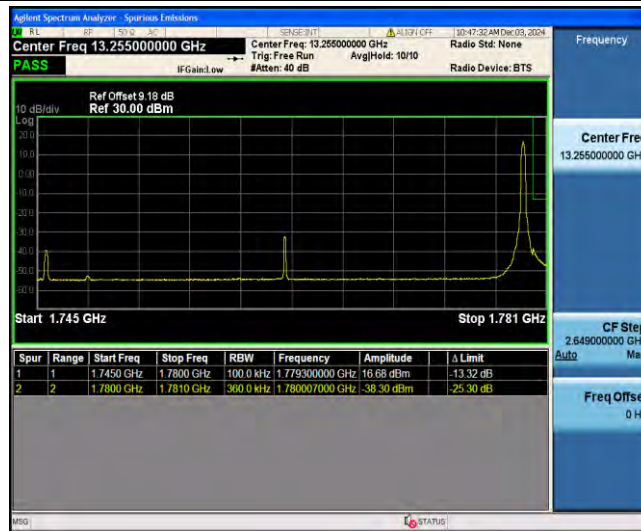
1-N66-PC3-15-35-L-6-CP-QPSK-Outer_Full-188@0-Ant3-1710.00-23.89--36.89-PASS



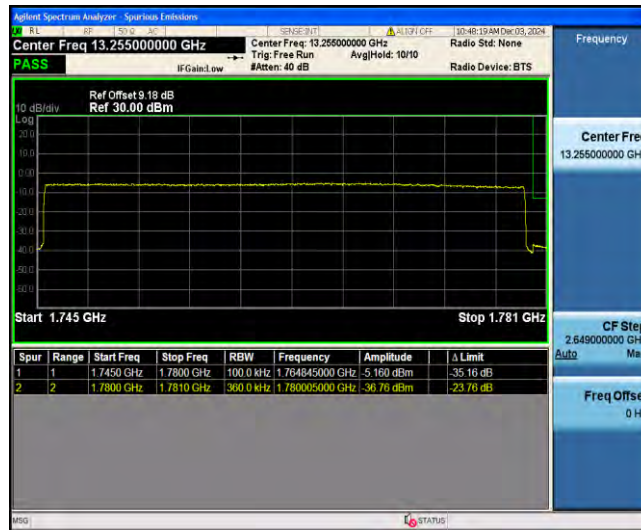
1-N66-PC3-15-35-H-2-DFT-QPSK-Edge_1RB_Right-1@187-Ant3-1780.00-22.68--35.68-PASS



1-N66-PC3-15-35-H-3-DFT-QPSK-Outer_Full-180@0-Ant3-1780.32-27.39--40.39-PASS



1-N66-PC3-15-35-H-5-CP-QPSK-Edge_1RB_Right-1@187-Ant3-1780.01-25.30--38.30-PASS



1-N66-PC3-15-35-H-6-CP-QPSK-Outer_Full-188@0-Ant3-1780.01-23.76--36.76-PASS

Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N66	15	40	DFT-QPSK	L	0.009	0.15	1@0	-66.23	-43	PASS
N66	15	40	DFT-QPSK	L	0.15	30	1@0	-67.49	-33	PASS
N66	15	40	DFT-QPSK	L	30	1000	1@0	-56.21	-23	PASS
N66	15	40	DFT-QPSK	L	1000	3000	1@0	-40.17	-13	PASS
N66	15	40	DFT-QPSK	L	3000	12000	1@0	-47.23	-13	PASS
N66	15	40	DFT-QPSK	L	12000	20000	1@0	-44.19	-13	PASS
N66	15	40	DFT-QPSK	M	0.009	0.15	1@0	-66.11	-43	PASS
N66	15	40	DFT-QPSK	M	0.15	30	1@0	-67.41	-33	PASS
N66	15	40	DFT-QPSK	M	30	1000	1@0	-56.25	-23	PASS
N66	15	40	DFT-QPSK	M	1000	3000	1@0	-40.89	-13	PASS
N66	15	40	DFT-QPSK	M	3000	12000	1@0	-47.22	-13	PASS
N66	15	40	DFT-QPSK	M	12000	20000	1@0	-44.29	-13	PASS
N66	15	40	DFT-QPSK	H	0.009	0.15	1@0	-65.89	-43	PASS
N66	15	40	DFT-QPSK	H	0.15	30	1@0	-67.33	-33	PASS
N66	15	40	DFT-QPSK	H	30	1000	1@0	-56.36	-23	PASS
N66	15	40	DFT-QPSK	H	1000	3000	1@0	-40.83	-13	PASS
N66	15	40	DFT-QPSK	H	3000	12000	1@0	-47.02	-13	PASS
N66	15	40	DFT-QPSK	H	12000	20000	1@0	-44.20	-13	PASS

Test Graphs



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--66.23--43-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.15--67.49--33-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-914.54--56.21--23-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2682.00--40.17--13-PASS



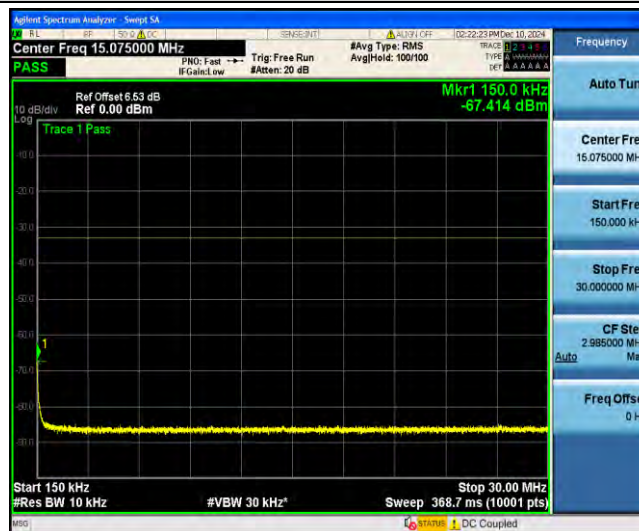
1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5909.25--47.23--13-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18761.60--44.19--13-PA



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--66.11--43-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.15--67.41--33-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-911.54--56.25--23-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2661.60--40.89--13-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5918.25--47.22--13-PAS

S

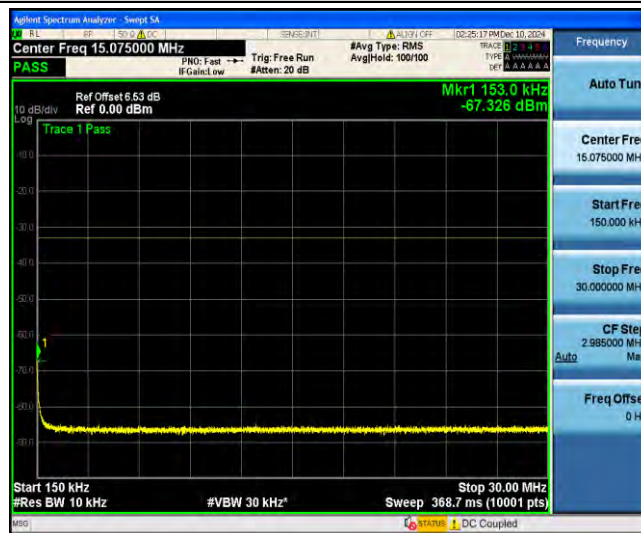


1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18777.20--44.29--13-PA

SS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--65.89--43-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.15--67.33--33-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-868.76--56.36--23-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2670.40--40.83--13-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5818.80--47.02--13-PASS



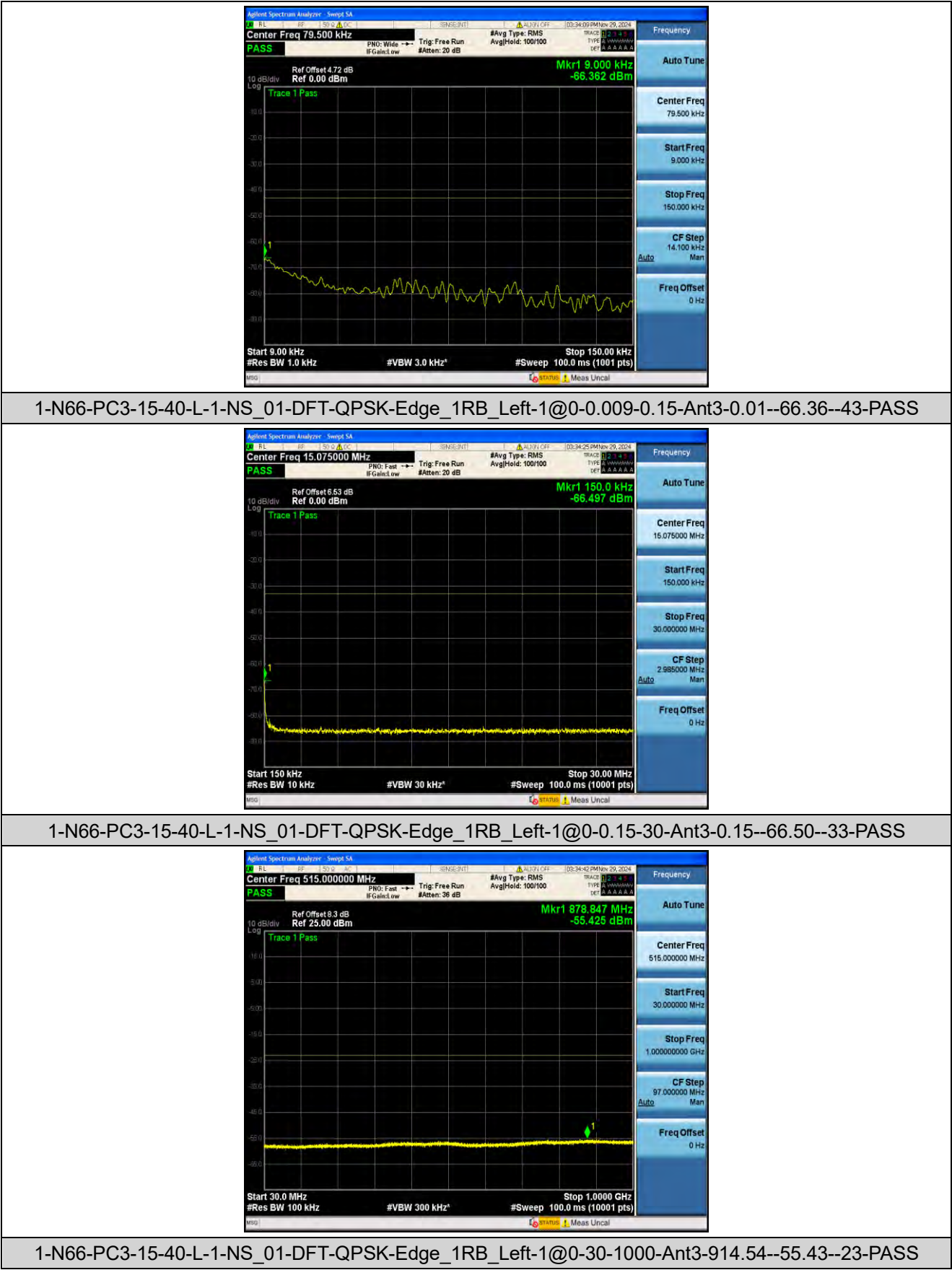
1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18786.00--44.20--13-PASS

Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N66	15	40	DFT-QPSK	L	0.009	0.15	1@0	-66.36	-43	PASS
N66	15	40	DFT-QPSK	L	0.15	30	1@0	-66.50	-33	PASS
N66	15	40	DFT-QPSK	L	30	1000	1@0	-55.43	-23	PASS
N66	15	40	DFT-QPSK	L	1000	3000	1@0	-40.17	-13	PASS
N66	15	40	DFT-QPSK	L	3000	12000	1@0	-47.23	-13	PASS
N66	15	40	DFT-QPSK	L	12000	20000	1@0	-44.19	-13	PASS
N66	15	40	DFT-QPSK	M	0.009	0.15	1@0	-64.94	-43	PASS
N66	15	40	DFT-QPSK	M	0.15	30	1@0	-66.23	-33	PASS
N66	15	40	DFT-QPSK	M	30	1000	1@0	-55.27	-23	PASS
N66	15	40	DFT-QPSK	M	1000	3000	1@0	-40.89	-13	PASS
N66	15	40	DFT-QPSK	M	3000	12000	1@0	-47.22	-13	PASS
N66	15	40	DFT-QPSK	M	12000	20000	1@0	-44.29	-13	PASS
N66	15	40	DFT-QPSK	H	0.009	0.15	1@0	-64.91	-43	PASS
N66	15	40	DFT-QPSK	H	0.15	30	1@0	-67.65	-33	PASS
N66	15	40	DFT-QPSK	H	30	1000	1@0	-55.12	-23	PASS
N66	15	40	DFT-QPSK	H	1000	3000	1@0	-40.83	-13	PASS
N66	15	40	DFT-QPSK	H	3000	12000	1@0	-47.02	-13	PASS
N66	15	40	DFT-QPSK	H	12000	20000	1@0	-44.20	-13	PASS

Test Graphs





1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2682.00--40.17--13-PASS



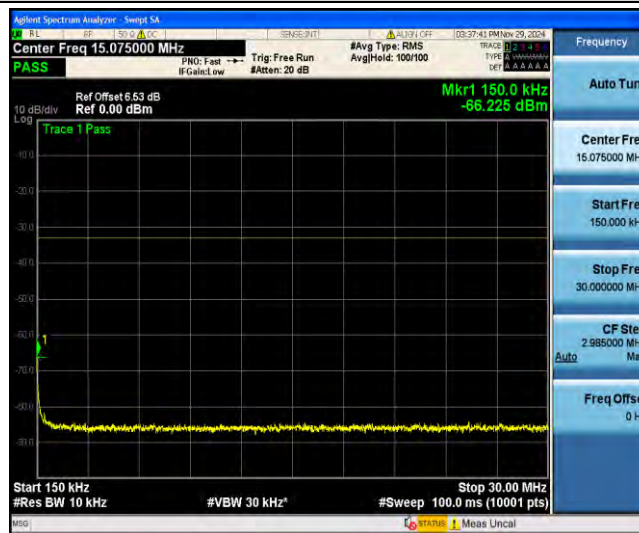
1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5909.25--47.23--13-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18761.60--44.19--13-PA



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--64.94--43-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.15--66.23--33-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-911.54--55.27--23-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2661.60--40.89--13-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5918.25--47.22--13-PAS

S

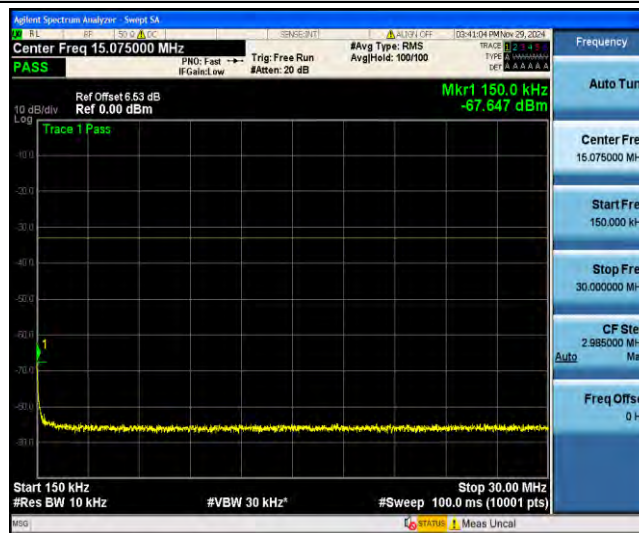


1-N66-PC3-15-40-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18777.20--44.29--13-PA

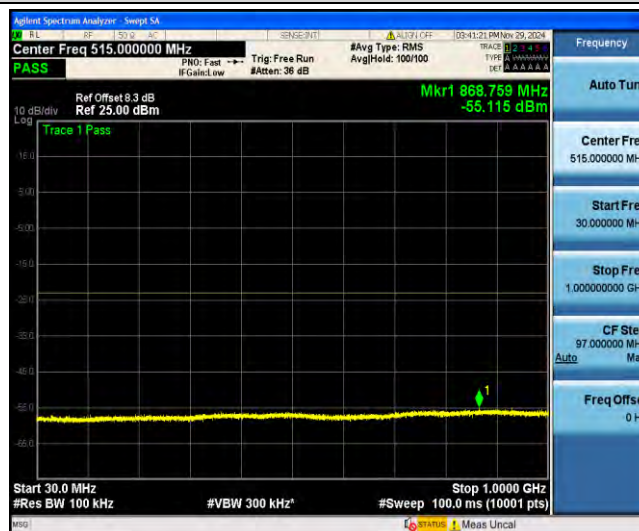
SS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--64.91--43-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant3-0.15--67.65--33-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-868.76--55.12--23-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2670.40--40.83--13-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant3-5818.80--47.02--13-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant3-18786.00--44.20--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-QPSK	M	216@0	NV	NT	-5.56	-0.00319	PASS
N66	15	40	DFT-QPSK	M	216@0	LV	NT	-8.08	-0.00463	PASS
N66	15	40	DFT-QPSK	M	216@0	HV	NT	-6.90	-0.00395	PASS
N66	15	40	CP-QPSK	M	216@0	NV	NT	-4.91	-0.00281	PASS
N66	15	40	CP-QPSK	M	216@0	LV	NT	-6.19	-0.00355	PASS
N66	15	40	CP-QPSK	M	216@0	HV	NT	-7.24	-0.00415	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-QPSK	M	216@0	NV	-20	-8.563000	-0.004907	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	50	-7.288000	-0.004177	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	40	-8.770000	-0.005026	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	10	-6.832000	-0.003915	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	-10	-8.435000	-0.004834	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	-30	-7.656000	-0.004387	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	30	-7.869000	-0.004509	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	0	-9.915000	-0.005682	PASS
N66	15	40	DFT-QPSK	M	216@0	NV	20	-6.651000	-0.003811	PASS
N66	15	40	CP-QPSK	M	216@0	NV	0	-6.674000	-0.003825	PASS
N66	15	40	CP-QPSK	M	216@0	NV	10	-7.209000	-0.004131	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-10	-6.335000	-0.003630	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-20	-8.329000	-0.004773	PASS
N66	15	40	CP-QPSK	M	216@0	NV	50	-8.302000	-0.004758	PASS
N66	15	40	CP-QPSK	M	216@0	NV	30	-6.707000	-0.003844	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-30	-7.860000	-0.004504	PASS
N66	15	40	CP-QPSK	M	216@0	NV	40	-5.033000	-0.002884	PASS
N66	15	40	CP-QPSK	M	216@0	NV	20	-5.658000	-0.003242	PASS

Field Strength of Spurious Radiation

NR N66 ANT5-Low channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.0	-63.62	-13	-50.62	-68.24	3.36	7.98	Horizontal	Pass
5136.0	-63.13	-13	-50.13	-68.74	4.61	10.22	Horizontal	Pass
6848.0	-61.23	-13	-48.23	-67.27	4.9	10.94	Horizontal	Pass
3424.0	-64.94	-13	-51.94	-69.56	3.36	7.98	Vertical	Pass
5136.0	-63.11	-13	-50.11	-68.72	4.61	10.22	Vertical	Pass
6848.0	-61.32	-13	-48.32	-67.36	4.9	10.94	Vertical	Pass

NR N66 ANT5-Middle channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3454.0	-66.0	-13	-53.0	-70.68	3.38	8.06	Horizontal	Pass
5181.0	-63.37	-13	-50.37	-68.99	4.63	10.25	Horizontal	Pass
6908.0	-61.05	-13	-48.05	-67.15	4.91	11.01	Horizontal	Pass
3454.0	-64.95	-13	-51.95	-69.63	3.38	8.06	Vertical	Pass
5181.0	-63.14	-13	-50.14	-68.76	4.63	10.25	Vertical	Pass
6908.0	-61.25	-13	-48.25	-67.35	4.91	11.01	Vertical	Pass

NR N66 ANT5-High channel, Modulation: QPSK, Bandwidth:40MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3484.0	-66.98	-13	-53.98	-71.72	3.39	8.13	Horizontal	Pass
5226.0	-63.0	-13	-50.0	-68.64	4.64	10.28	Horizontal	Pass
6968.0	-61.32	-13	-48.32	-67.5	4.91	11.09	Horizontal	Pass
3484.0	-66.96	-13	-53.96	-71.7	3.39	8.13	Vertical	Pass
5226.0	-62.89	-13	-49.89	-68.53	4.64	10.28	Vertical	Pass
6968.0	-61.43	-13	-48.43	-67.61	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	-66.46	-13	-53.46	-71.08	3.36	7.98	Horizontal	Pass
5136.0	-63.24	-13	-50.24	-68.85	4.61	10.22	Horizontal	Pass
6848.0	-61.36	-13	-48.36	-67.4	4.9	10.94	Horizontal	Pass
3424.0	-66.66	-13	-53.66	-71.28	3.36	7.98	Vertical	Pass
5136.0	-62.91	-13	-49.91	-68.52	4.61	10.22	Vertical	Pass
6848.0	-61.59	-13	-48.59	-67.63	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	-65.12	-13	-52.12	-69.8	3.38	8.06	Horizontal	Pass
5181.0	-63.4	-13	-50.4	-69.02	4.63	10.25	Horizontal	Pass
6908.0	-61.23	-13	-48.23	-67.33	4.91	11.01	Horizontal	Pass
3454.0	-66.77	-13	-53.77	-71.45	3.38	8.06	Vertical	Pass
5181.0	-63.09	-13	-50.09	-68.71	4.63	10.25	Vertical	Pass
6908.0	-61.05	-13	-48.05	-67.15	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	-66.07	-13	-53.07	-70.81	3.39	8.13	Horizontal	Pass
5226.0	-62.95	-13	-49.95	-68.59	4.64	10.28	Horizontal	Pass
6968.0	-61.81	-13	-48.81	-67.99	4.91	11.09	Horizontal	Pass
3484.0	-66.44	-13	-53.44	-71.18	3.39	8.13	Vertical	Pass
5226.0	-62.71	-13	-49.71	-68.35	4.64	10.28	Vertical	Pass
6968.0	-61.18	-13	-48.18	-67.36	4.91	11.09	Vertical	Pass