

Frequency Stability

PC 3

NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.5	BANDWIDTH	5MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	1850.269	1854.731	1850-1910	PASS
	Extreme (40℃)		1850.236	1854.764	1850-1910	PASS
	Extreme (30℃)		1850.259	1854.741	1850-1910	PASS
	Extreme (20℃)		1850.204	1854.796	1850-1910	PASS
	Extreme (10℃)		1850.233	1854.767	1850-1910	PASS
	Extreme (0℃)		1850.211	1854.789	1850-1910	PASS
	Extreme (-10℃)		1850.207	1854.793	1850-1910	PASS
	Extreme (-20℃)		1850.263	1854.737	1850-1910	PASS
	Extreme (-30℃)		1850.257	1854.743	1850-1910	PASS
	25℃	LV	1850.257	1854.743	1850-1910	PASS
		HV	1850.258	1854.742	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	1850.615	1859.385	1850-1910	PASS
	Extreme (40℃)		1850.669	1859.331	1850-1910	PASS
	Extreme (30℃)		1850.601	1859.399	1850-1910	PASS
	Extreme (20℃)		1850.691	1859.309	1850-1910	PASS
	Extreme (10℃)		1850.654	1859.346	1850-1910	PASS
	Extreme (0℃)		1850.606	1859.394	1850-1910	PASS
	Extreme (-10℃)		1850.667	1859.333	1850-1910	PASS
	Extreme (-20℃)		1850.611	1859.389	1850-1910	PASS
	Extreme (-30℃)		1850.615	1859.385	1850-1910	PASS
	25℃	LV	1850.688	1859.312	1850-1910	PASS
		HV	1850.679	1859.321	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	1850.699	1864.301	1850-1910	PASS
	Extreme (40℃)		1850.624	1864.376	1850-1910	PASS
	Extreme (30℃)		1850.656	1864.344	1850-1910	PASS

	Extreme (20°C)		1850.618	1864.382	1850-1910	PASS
	Extreme (10°C)		1850.626	1864.374	1850-1910	PASS
	Extreme (0°C)		1850.633	1864.367	1850-1910	PASS
	Extreme (-10°C)		1850.660	1864.340	1850-1910	PASS
	Extreme (-20°C)		1850.679	1864.321	1850-1910	PASS
	Extreme (-30°C)		1850.677	1864.323	1850-1910	PASS
	25°C	LV	1850.632	1864.368	1850-1910	PASS
		HV	1850.627	1864.373	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.835	1869.165	1850-1910	PASS
	Extreme (40°C)		1850.833	1869.167	1850-1910	PASS
	Extreme (30°C)		1850.889	1869.111	1850-1910	PASS
	Extreme (20°C)		1850.847	1869.153	1850-1910	PASS
	Extreme (10°C)		1850.871	1869.129	1850-1910	PASS
	Extreme (0°C)		1850.833	1869.167	1850-1910	PASS
	Extreme (-10°C)		1850.885	1869.115	1850-1910	PASS
	Extreme (-20°C)		1850.822	1869.178	1850-1910	PASS
	Extreme (-30°C)		1850.880	1869.120	1850-1910	PASS
	25°C	LV	1850.850	1869.150	1850-1910	PASS
		HV	1850.804	1869.196	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.5	BANDWIDTH	5MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1905.264	1909.736	1850-1910	PASS
	Extreme (40°C)		1905.284	1909.716	1850-1910	PASS
	Extreme (30°C)		1905.223	1909.777	1850-1910	PASS
	Extreme (20°C)		1905.263	1909.737	1850-1910	PASS
	Extreme (10°C)		1905.284	1909.716	1850-1910	PASS
	Extreme (0°C)		1905.235	1909.765	1850-1910	PASS
	Extreme (-10°C)		1905.251	1909.749	1850-1910	PASS
	Extreme (-20°C)		1905.248	1909.752	1850-1910	PASS
	Extreme (-30°C)		1905.254	1909.746	1850-1910	PASS
	25°C	LV	1905.203	1909.797	1850-1910	PASS
		HV	1905.250	1909.750	1850-1910	PASS
NR N2	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
1905	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1900.602	1909.398	1850-1910	PASS
	Extreme (40°C)		1900.636	1909.364	1850-1910	PASS
	Extreme (30°C)		1900.689	1909.311	1850-1910	PASS
	Extreme (20°C)		1900.616	1909.384	1850-1910	PASS
	Extreme (10°C)		1900.658	1909.342	1850-1910	PASS
	Extreme (0°C)		1900.618	1909.382	1850-1910	PASS
	Extreme (-10°C)		1900.655	1909.345	1850-1910	PASS
	Extreme (-20°C)		1900.665	1909.335	1850-1910	PASS
	Extreme (-30°C)		1900.666	1909.334	1850-1910	PASS
	25°C	LV	1900.679	1909.321	1850-1910	PASS
		HV	1900.683	1909.317	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1902.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1895.673	1909.327	1850-1910	PASS
	Extreme (40°C)		1895.606	1909.394	1850-1910	PASS
	Extreme (30°C)		1895.657	1909.343	1850-1910	PASS
	Extreme (20°C)		1895.642	1909.358	1850-1910	PASS
	Extreme (10°C)		1895.606	1909.394	1850-1910	PASS
	Extreme (0°C)		1895.621	1909.379	1850-1910	PASS
	Extreme (-10°C)		1895.612	1909.388	1850-1910	PASS
	Extreme (-20°C)		1895.630	1909.370	1850-1910	PASS
	Extreme (-30°C)		1895.630	1909.370	1850-1910	PASS
	25°C	LV	1895.631	1909.369	1850-1910	PASS
		HV	1895.600	1909.400	1850-1910	PASS
NR N2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1900	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1890.843	1909.157	1850-1910	PASS
	Extreme (40°C)		1890.865	1909.135	1850-1910	PASS
	Extreme (30°C)		1890.859	1909.141	1850-1910	PASS
	Extreme (20°C)		1890.826	1909.174	1850-1910	PASS
	Extreme (10°C)		1890.823	1909.177	1850-1910	PASS
	Extreme (0°C)		1890.805	1909.195	1850-1910	PASS

	Extreme (-10°C)		1890.807	1909.193	1850-1910	PASS
	Extreme (-20°C)		1890.821	1909.179	1850-1910	PASS
	Extreme (-30°C)		1890.853	1909.147	1850-1910	PASS
	25°C	LV	1890.811	1909.189	1850-1910	PASS
		HV	1890.886	1909.114	1850-1910	PASS

N5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	5.69	0.00680	PASS
	Extreme (40°C)		1.02	0.00122	PASS
	Extreme (30°C)		15.66	0.01872	PASS
	Extreme (20°C)		13.37	0.01598	PASS
	Extreme (10°C)		6.20	0.00741	PASS
	Extreme (0°C)		2.78	0.00332	PASS
	Extreme (-10°C)		6.58	0.00786	PASS
	Extreme (-20°C)		13.34	0.01595	PASS
	25°C	LV	15.66	0.01872	PASS
		HV	17.18	0.02054	PASS
N5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	1.67	0.00200	PASS
	Extreme (40°C)		8.32	0.00995	PASS
	Extreme (30°C)		5.47	0.00653	PASS
	Extreme (20°C)		16.30	0.01949	PASS
	Extreme (10°C)		9.25	0.01106	PASS
	Extreme (0°C)		15.76	0.01884	PASS
	Extreme (-10°C)		8.87	0.01060	PASS
	Extreme (-20°C)		15.57	0.01861	PASS
	25°C	LV	7.66	0.00916	PASS
		HV	17.45	0.02086	PASS
N5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	15.60	0.01865	PASS
	Extreme (40°C)		8.29	0.00991	PASS

	Extreme (30°C)		15.49	0.01852	PASS
	Extreme (20°C)		5.82	0.00696	PASS
	Extreme (10°C)		12.05	0.01440	PASS
	Extreme (0°C)		1.36	0.00163	PASS
	Extreme (-10°C)		13.07	0.01563	PASS
	Extreme (-20°C)		10.21	0.01220	PASS
	25°C	LV	9.92	0.01186	PASS
		HV	5.89	0.00704	PASS
N5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	20MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	4.58	0.00547	PASS
	Extreme (40°C)		10.32	0.01234	PASS
	Extreme (30°C)		9.40	0.01124	PASS
	Extreme (20°C)		5.54	0.00662	PASS
	Extreme (10°C)		1.12	0.00134	PASS
	Extreme (0°C)		15.80	0.01889	PASS
	Extreme (-10°C)		7.42	0.00887	PASS
	Extreme (-20°C)		16.06	0.01920	PASS
	25°C	LV	10.60	0.01268	PASS
		HV	17.04	0.02037	PASS

NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2502.5	BANDWIDTH	5MHz	DFT-QPSK	DFT-QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2500.216	2504.784	2500-2570	PASS
	Extreme (40°C)		2500.235	2504.765	2500-2570	PASS
	Extreme (30°C)		2500.222	2504.778	2500-2570	PASS
	Extreme (20°C)		2500.217	2504.783	2500-2570	PASS
	Extreme (10°C)		2500.238	2504.762	2500-2570	PASS
	Extreme (0°C)		2500.249	2504.751	2500-2570	PASS
	Extreme (-10°C)		2500.285	2504.715	2500-2570	PASS
	Extreme (-20°C)		2500.257	2504.743	2500-2570	PASS
	Extreme (-30°C)		2500.242	2504.758	2500-2570	PASS
	25°C	LV	2500.275	2504.725	2500-2570	PASS
		HV	2500.292	2504.708	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2505	BANDWIDTH	10MHz	DFT-QPSK	DFT-QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2500.606	2509.394	2500-2570	PASS
	Extreme (40°C)		2500.615	2509.385	2500-2570	PASS
	Extreme (30°C)		2500.668	2509.332	2500-2570	PASS
	Extreme (20°C)		2500.695	2509.305	2500-2570	PASS
	Extreme (10°C)		2500.602	2509.398	2500-2570	PASS
	Extreme (0°C)		2500.621	2509.379	2500-2570	PASS
	Extreme (-10°C)		2500.659	2509.341	2500-2570	PASS
	Extreme (-20°C)		2500.603	2509.397	2500-2570	PASS
	Extreme (-30°C)		2500.604	2509.396	2500-2570	PASS
	25°C	LV	2500.635	2509.365	2500-2570	PASS
		HV	2500.617	2509.383	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2507.5	BANDWIDTH	15MHz	DFT-QPSK	DFT-QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2500.635	2514.365	2500-2570	PASS
	Extreme (40°C)		2500.667	2514.333	2500-2570	PASS
	Extreme (30°C)		2500.676	2514.324	2500-2570	PASS
	Extreme (20°C)		2500.610	2514.390	2500-2570	PASS

	Extreme (10℃)		2500.616	2514.384	2500-2570	PASS
	Extreme (0℃)		2500.602	2514.398	2500-2570	PASS
	Extreme (-10℃)		2500.670	2514.330	2500-2570	PASS
	Extreme (-20℃)		2500.639	2514.361	2500-2570	PASS
	Extreme (-30℃)		2500.633	2514.367	2500-2570	PASS
	25℃	LV	2500.617	2514.383	2500-2570	PASS
		HV	2500.608	2514.392	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2510	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2500.872	2519.128	2500-2570	PASS
	Extreme (40℃)		2500.846	2519.154	2500-2570	PASS
	Extreme (30℃)		2500.829	2519.171	2500-2570	PASS
	Extreme (20℃)		2500.841	2519.159	2500-2570	PASS
	Extreme (10℃)		2500.817	2519.183	2500-2570	PASS
	Extreme (0℃)		2500.891	2519.109	2500-2570	PASS
	Extreme (-10℃)		2500.899	2519.101	2500-2570	PASS
	Extreme (-20℃)		2500.833	2519.167	2500-2570	PASS
	Extreme (-30℃)		2500.857	2519.143	2500-2570	PASS
	25℃	LV	2500.848	2519.152	2500-2570	PASS
		HV	2500.821	2519.179	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2567.5	BANDWIDTH	5MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2565.250	2569.750	2500-2570	PASS
	Extreme (40℃)		2565.277	2569.723	2500-2570	PASS
	Extreme (30℃)		2565.232	2569.768	2500-2570	PASS
	Extreme (20℃)		2565.233	2569.767	2500-2570	PASS
	Extreme (10℃)		2565.206	2569.794	2500-2570	PASS
	Extreme (0℃)		2565.207	2569.793	2500-2570	PASS
	Extreme (-10℃)		2565.214	2569.786	2500-2570	PASS
	Extreme (-20℃)		2565.209	2569.791	2500-2570	PASS
	Extreme (-30℃)		2565.256	2569.744	2500-2570	PASS
	25℃	LV	2565.226	2569.774	2500-2570	PASS
		HV	2565.221	2569.779	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

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2565	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2560.642	2569.358	2500-2570	PASS
	Extreme (40℃)		2560.618	2569.382	2500-2570	PASS
	Extreme (30℃)		2560.657	2569.343	2500-2570	PASS
	Extreme (20℃)		2560.624	2569.376	2500-2570	PASS
	Extreme (10℃)		2560.656	2569.344	2500-2570	PASS
	Extreme (0℃)		2560.614	2569.386	2500-2570	PASS
	Extreme (-10℃)		2560.670	2569.330	2500-2570	PASS
	Extreme (-20℃)		2560.694	2569.306	2500-2570	PASS
	Extreme (-30℃)		2560.659	2569.341	2500-2570	PASS
	25℃	LV	2560.674	2569.326	2500-2570	PASS
		HV	2560.675	2569.325	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2562.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2555.697	2569.303	2500-2570	PASS
	Extreme (40℃)		2555.604	2569.396	2500-2570	PASS
	Extreme (30℃)		2555.607	2569.393	2500-2570	PASS
	Extreme (20℃)		2555.658	2569.342	2500-2570	PASS
	Extreme (10℃)		2555.631	2569.369	2500-2570	PASS
	Extreme (0℃)		2555.685	2569.315	2500-2570	PASS
	Extreme (-10℃)		2555.697	2569.303	2500-2570	PASS
	Extreme (-20℃)		2555.612	2569.388	2500-2570	PASS
	Extreme (-30℃)		2555.661	2569.339	2500-2570	PASS
	25℃	LV	2555.664	2569.336	2500-2570	PASS
		HV	2555.664	2569.336	2500-2570	PASS
NR N7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2560	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2550.815	2569.185	2500-2570	PASS
	Extreme (40℃)		2550.879	2569.121	2500-2570	PASS
	Extreme (30℃)		2550.823	2569.177	2500-2570	PASS
	Extreme (20℃)		2550.827	2569.173	2500-2570	PASS
	Extreme (10℃)		2550.894	2569.106	2500-2570	PASS
	Extreme (0℃)		2550.862	2569.138	2500-2570	PASS
	Extreme (-10℃)		2550.885	2569.115	2500-2570	PASS

	Extreme (-20°C)		2550.802	2569.198	2500-2570	PASS
	Extreme (-30°C)		2550.873	2569.127	2500-2570	PASS
	25°C	LV	2550.815	2569.185	2500-2570	PASS
		HV	2550.865	2569.135	2500-2570	PASS

NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
701.5	BANDWIDTH	5MHz	DFT-QPSK	DFT-QPSK	699-716	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	699.216	703.784	699-716	PASS
	Extreme (40°C)		699.202	703.798	699-716	PASS
	Extreme (30°C)		699.259	703.741	699-716	PASS
	Extreme (20°C)		699.262	703.738	699-716	PASS
	Extreme (10°C)		699.206	703.794	699-716	PASS
	Extreme (0°C)		699.272	703.728	699-716	PASS
	Extreme (-10°C)		699.264	703.736	699-716	PASS
	Extreme (-20°C)		699.235	703.765	699-716	PASS
	Extreme (-30°C)		699.280	703.720	699-716	PASS
	25°C	LV	699.240	703.760	699-716	PASS
		HV	699.263	703.737	699-716	PASS
NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
704	BANDWIDTH	10MHz	DFT-QPSK	DFT-QPSK	699-716	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	699.540	708.460	699-716	PASS
	Extreme (40°C)		699.510	708.490	699-716	PASS
	Extreme (30°C)		699.509	708.491	699-716	PASS
	Extreme (20°C)		699.535	708.465	699-716	PASS
	Extreme (10°C)		699.502	708.498	699-716	PASS
	Extreme (0°C)		699.560	708.440	699-716	PASS
	Extreme (-10°C)		699.599	708.401	699-716	PASS
	Extreme (-20°C)		699.575	708.425	699-716	PASS
	Extreme (-30°C)		699.545	708.455	699-716	PASS
	25°C	LV	699.590	708.410	699-716	PASS
		HV	699.571	708.429	699-716	PASS
NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
706.5	BANDWIDTH	15MHz	DFT-QPSK	DFT-QPSK	699-716	PASS
	Temperature	Voltage				

	Extreme (50°C)	NV	699.758	713.242	699-716	PASS
	Extreme (40°C)		699.722	713.278	699-716	PASS
	Extreme (30°C)		699.718	713.282	699-716	PASS
	Extreme (20°C)		699.714	713.286	699-716	PASS
	Extreme (10°C)		699.794	713.206	699-716	PASS
	Extreme (0°C)		699.736	713.264	699-716	PASS
	Extreme (-10°C)		699.744	713.256	699-716	PASS
	Extreme (-20°C)		699.748	713.252	699-716	PASS
	Extreme (-30°C)		699.736	713.264	699-716	PASS
	25°C	LV	699.798	713.202	699-716	PASS
		HV	699.717	713.283	699-716	PASS
NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
713.5	BANDWIDTH	5MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	711.218	715.782	699-716	PASS
	Extreme (40°C)		711.258	715.742	699-716	PASS
	Extreme (30°C)		711.276	715.724	699-716	PASS
	Extreme (20°C)		711.202	715.798	699-716	PASS
	Extreme (10°C)		711.247	715.753	699-716	PASS
	Extreme (0°C)		711.267	715.733	699-716	PASS
	Extreme (-10°C)		711.275	715.725	699-716	PASS
	Extreme (-20°C)		711.284	715.716	699-716	PASS
	Extreme (-30°C)		711.292	715.708	699-716	PASS
	25°C	LV	711.224	715.776	699-716	PASS
		HV	711.282	715.718	699-716	PASS
NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	706.525	715.475	699-716	PASS
	Extreme (40°C)		706.562	715.438	699-716	PASS
	Extreme (30°C)		706.515	715.485	699-716	PASS
	Extreme (20°C)		706.562	715.438	699-716	PASS
	Extreme (10°C)		706.501	715.499	699-716	PASS
	Extreme (0°C)		706.545	715.455	699-716	PASS
	Extreme (-10°C)		706.513	715.487	699-716	PASS
	Extreme (-20°C)		706.548	715.452	699-716	PASS
	Extreme (-30°C)		706.521	715.479	699-716	PASS
	25°C	LV	706.575	715.425	699-716	PASS

		HV	706.573	715.427	699-716	PASS
NR N12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
708.5	BANDWIDTH	15MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	701.754	715.246	699-716	PASS
	Extreme (40°C)		701.750	715.250	699-716	PASS
	Extreme (30°C)		701.754	715.246	699-716	PASS
	Extreme (20°C)		701.775	715.225	699-716	PASS
	Extreme (10°C)		701.794	715.206	699-716	PASS
	Extreme (0°C)		701.725	715.275	699-716	PASS
	Extreme (-10°C)		701.705	715.295	699-716	PASS
	Extreme (-20°C)		701.723	715.277	699-716	PASS
	Extreme (-30°C)		701.781	715.219	699-716	PASS
	25°C	LV	701.737	715.263	699-716	PASS
		HV	701.775	715.225	699-716	PASS

NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.5	BANDWIDTH	5MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.201	1854.799	1850-1915	PASS
	Extreme (40°C)		1850.283	1854.717	1850-1915	PASS
	Extreme (30°C)		1850.295	1854.705	1850-1915	PASS
	Extreme (20°C)		1850.256	1854.744	1850-1915	PASS
	Extreme (10°C)		1850.230	1854.770	1850-1915	PASS
	Extreme (0°C)		1850.289	1854.711	1850-1915	PASS
	Extreme (-10°C)		1850.246	1854.754	1850-1915	PASS
	Extreme (-20°C)		1850.239	1854.761	1850-1915	PASS
	Extreme (-30°C)		1850.251	1854.749	1850-1915	PASS
	25°C	LV	1850.239	1854.761	1850-1915	PASS
		HV	1850.218	1854.782	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.571	1859.429	1850-1915	PASS
	Extreme (40°C)		1850.545	1859.455	1850-1915	PASS
	Extreme (30°C)		1850.563	1859.437	1850-1915	PASS

	Extreme (20°C)		1850.527	1859.473	1850-1915	PASS
	Extreme (10°C)		1850.563	1859.437	1850-1915	PASS
	Extreme (0°C)		1850.573	1859.427	1850-1915	PASS
	Extreme (-10°C)		1850.530	1859.470	1850-1915	PASS
	Extreme (-20°C)		1850.588	1859.412	1850-1915	PASS
	Extreme (-30°C)		1850.586	1859.414	1850-1915	PASS
	25°C	LV	1850.565	1859.435	1850-1915	PASS
		HV	1850.578	1859.422	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.775	1864.225	1850-1915	PASS
	Extreme (40°C)		1850.749	1864.251	1850-1915	PASS
	Extreme (30°C)		1850.740	1864.260	1850-1915	PASS
	Extreme (20°C)		1850.725	1864.275	1850-1915	PASS
	Extreme (10°C)		1850.731	1864.269	1850-1915	PASS
	Extreme (0°C)		1850.702	1864.298	1850-1915	PASS
	Extreme (-10°C)		1850.750	1864.250	1850-1915	PASS
	Extreme (-20°C)		1850.798	1864.202	1850-1915	PASS
	Extreme (-30°C)		1850.792	1864.208	1850-1915	PASS
	25°C	LV	1850.727	1864.273	1850-1915	PASS
		HV	1850.731	1864.269	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1851.014	1868.986	1850-1915	PASS
	Extreme (40°C)		1851.006	1868.994	1850-1915	PASS
	Extreme (30°C)		1851.014	1868.986	1850-1915	PASS
	Extreme (20°C)		1851.043	1868.957	1850-1915	PASS
	Extreme (10°C)		1851.039	1868.961	1850-1915	PASS
	Extreme (0°C)		1851.019	1868.981	1850-1915	PASS
	Extreme (-10°C)		1851.015	1868.985	1850-1915	PASS
	Extreme (-20°C)		1851.035	1868.965	1850-1915	PASS
	Extreme (-30°C)		1851.010	1868.990	1850-1915	PASS
	25°C	LV	1851.008	1868.992	1850-1915	PASS
		HV	1851.019	1868.981	1850-1915	PASS
NR N25	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
1912.5	BANDWIDTH	5MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1910.283	1914.717	1850-1915	PASS
	Extreme (40°C)		1910.204	1914.796	1850-1915	PASS
	Extreme (30°C)		1910.242	1914.758	1850-1915	PASS
	Extreme (20°C)		1910.298	1914.702	1850-1915	PASS
	Extreme (10°C)		1910.254	1914.746	1850-1915	PASS
	Extreme (0°C)		1910.259	1914.741	1850-1915	PASS
	Extreme (-10°C)		1910.279	1914.721	1850-1915	PASS
	Extreme (-20°C)		1910.215	1914.785	1850-1915	PASS
	Extreme (-30°C)		1910.295	1914.705	1850-1915	PASS
	25°C	LV	1910.274	1914.726	1850-1915	PASS
		HV	1910.249	1914.751	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1910	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1905.556	1914.444	1850-1915	PASS
	Extreme (40°C)		1905.521	1914.479	1850-1915	PASS
	Extreme (30°C)		1905.512	1914.488	1850-1915	PASS
	Extreme (20°C)		1905.599	1914.401	1850-1915	PASS
	Extreme (10°C)		1905.576	1914.424	1850-1915	PASS
	Extreme (0°C)		1905.563	1914.437	1850-1915	PASS
	Extreme (-10°C)		1905.572	1914.428	1850-1915	PASS
	Extreme (-20°C)		1905.600	1914.400	1850-1915	PASS
	Extreme (-30°C)		1905.560	1914.440	1850-1915	PASS
	25°C	LV	1905.514	1914.486	1850-1915	PASS
		HV	1905.513	1914.487	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1900.755	1914.245	1850-1915	PASS
	Extreme (40°C)		1900.736	1914.264	1850-1915	PASS
	Extreme (30°C)		1900.796	1914.204	1850-1915	PASS
	Extreme (20°C)		1900.735	1914.265	1850-1915	PASS
	Extreme (10°C)		1900.713	1914.287	1850-1915	PASS
	Extreme (0°C)		1900.743	1914.257	1850-1915	PASS

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	Extreme (-10°C)		1900.750	1914.250	1850-1915	PASS
	Extreme (-20°C)		1900.797	1914.203	1850-1915	PASS
	Extreme (-30°C)		1900.780	1914.220	1850-1915	PASS
	25°C	LV	1900.703	1914.297	1850-1915	PASS
		HV	1900.773	1914.227	1850-1915	PASS
NR N25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1905	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1896.029	1913.971	1850-1915	PASS
	Extreme (40°C)		1896.036	1913.964	1850-1915	PASS
	Extreme (30°C)		1896.022	1913.978	1850-1915	PASS
	Extreme (20°C)		1896.016	1913.984	1850-1915	PASS
	Extreme (10°C)		1896.018	1913.982	1850-1915	PASS
	Extreme (0°C)		1896.047	1913.953	1850-1915	PASS
	Extreme (-10°C)		1896.030	1913.970	1850-1915	PASS
	Extreme (-20°C)		1896.009	1913.991	1850-1915	PASS
	Extreme (-30°C)		1896.008	1913.992	1850-1915	PASS
	25°C	LV	1896.039	1913.961	1850-1915	PASS
		HV	1896.031	1913.969	1850-1915	PASS

NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2580	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2570.813	2589.187	2570-2620	PASS
	Extreme (40℃)		2570.852	2589.148	2570-2620	PASS
	Extreme (30℃)		2570.890	2589.110	2570-2620	PASS
	Extreme (20℃)		2570.839	2589.161	2570-2620	PASS
	Extreme (10℃)		2570.838	2589.162	2570-2620	PASS
	Extreme (0℃)		2570.802	2589.198	2570-2620	PASS
	Extreme (-10℃)		2570.813	2589.187	2570-2620	PASS
	Extreme (-20℃)		2570.853	2589.147	2570-2620	PASS
	Extreme (-30℃)		2570.830	2589.170	2570-2620	PASS
	25℃	LV	2570.879	2589.121	2570-2620	PASS
		HV	2570.894	2589.106	2570-2620	PASS
NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2585	BANDWIDTH	30MHz				

	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2571.005	2598.995	2570-2620	PASS
	Extreme (40°C)		2571.032	2598.968	2570-2620	PASS
	Extreme (30°C)		2571.017	2598.983	2570-2620	PASS
	Extreme (20°C)		2571.038	2598.962	2570-2620	PASS
	Extreme (10°C)		2571.015	2598.985	2570-2620	PASS
	Extreme (0°C)		2571.049	2598.951	2570-2620	PASS
	Extreme (-10°C)		2571.022	2598.978	2570-2620	PASS
	Extreme (-20°C)		2571.017	2598.983	2570-2620	PASS
	Extreme (-30°C)		2571.040	2598.960	2570-2620	PASS
	25°C	LV	2571.043	2598.957	2570-2620	PASS
		HV	2571.035	2598.965	2570-2620	PASS
NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2590	BANDWIDTH	40MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	2571.085	2608.915	2570-2620	PASS
	Extreme (40°C)		2571.024	2608.976	2570-2620	PASS
	Extreme (30°C)		2571.008	2608.992	2570-2620	PASS
	Extreme (20°C)		2571.037	2608.963	2570-2620	PASS
	Extreme (10°C)		2571.080	2608.920	2570-2620	PASS
	Extreme (0°C)		2571.002	2608.998	2570-2620	PASS
	Extreme (-10°C)		2571.008	2608.992	2570-2620	PASS
	Extreme (-20°C)		2571.075	2608.925	2570-2620	PASS
	Extreme (-30°C)		2571.047	2608.953	2570-2620	PASS
	25°C	LV	2571.037	2608.963	2570-2620	PASS
		HV	2571.091	2608.909	2570-2620	PASS
NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2610	BANDWIDTH	20MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	2600.896	2619.104	2570-2620	PASS
	Extreme (40°C)		2600.801	2619.199	2570-2620	PASS
	Extreme (30°C)		2600.827	2619.173	2570-2620	PASS
	Extreme (20°C)		2600.856	2619.144	2570-2620	PASS
	Extreme (10°C)		2600.867	2619.133	2570-2620	PASS
	Extreme (0°C)		2600.836	2619.164	2570-2620	PASS
	Extreme (-10°C)		2600.804	2619.196	2570-2620	PASS
	Extreme (-20°C)		2600.894	2619.106	2570-2620	PASS
	Extreme (-30°C)		2600.822	2619.178	2570-2620	PASS

	25°C	LV	2600.832	2619.168	2570-2620	PASS
		HV	2600.864	2619.136	2570-2620	PASS
NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2605	BANDWIDTH	30MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2591.013	2618.987	2570-2620	PASS
	Extreme (40°C)		2591.038	2618.962	2570-2620	PASS
	Extreme (30°C)		2591.018	2618.982	2570-2620	PASS
	Extreme (20°C)		2591.001	2618.999	2570-2620	PASS
	Extreme (10°C)		2591.012	2618.988	2570-2620	PASS
	Extreme (0°C)		2591.020	2618.980	2570-2620	PASS
	Extreme (-10°C)		2591.022	2618.978	2570-2620	PASS
	Extreme (-20°C)		2591.002	2618.998	2570-2620	PASS
	Extreme (-30°C)		2591.039	2618.961	2570-2620	PASS
	25°C	LV	2591.024	2618.976	2570-2620	PASS
		HV	2591.015	2618.985	2570-2620	PASS
NR N38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2600	BANDWIDTH	40MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2581.066	2618.934	2570-2620	PASS
	Extreme (40°C)		2581.060	2618.940	2570-2620	PASS
	Extreme (30°C)		2581.092	2618.908	2570-2620	PASS
	Extreme (20°C)		2581.099	2618.901	2570-2620	PASS
	Extreme (10°C)		2581.042	2618.958	2570-2620	PASS
	Extreme (0°C)		2581.047	2618.953	2570-2620	PASS
	Extreme (-10°C)		2581.032	2618.968	2570-2620	PASS
	Extreme (-20°C)		2581.015	2618.985	2570-2620	PASS
	Extreme (-30°C)		2581.032	2618.968	2570-2620	PASS
	25°C	LV	2581.084	2618.916	2570-2620	PASS
		HV	2581.031	2618.969	2570-2620	PASS

NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2506	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2496.878	2515.122	2496-2690	PASS
	Extreme (40°C)		2496.899	2515.101	2496-2690	PASS

	Extreme (30°C)		2496.830	2515.170	2496-2690	PASS
	Extreme (20°C)		2496.801	2515.199	2496-2690	PASS
	Extreme (10°C)		2496.865	2515.135	2496-2690	PASS
	Extreme (0°C)		2496.834	2515.166	2496-2690	PASS
	Extreme (-10°C)		2496.863	2515.137	2496-2690	PASS
	Extreme (-20°C)		2496.859	2515.141	2496-2690	PASS
	Extreme (-30°C)		2496.880	2515.120	2496-2690	PASS
	25°C	LV	2496.899	2515.101	2496-2690	PASS
		HV	2496.804	2515.196	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2511	BANDWIDTH	30MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2497.003	2524.997	2496-2690	PASS
	Extreme (40°C)		2497.033	2524.967	2496-2690	PASS
	Extreme (30°C)		2497.000	2525.000	2496-2690	PASS
	Extreme (20°C)		2497.021	2524.979	2496-2690	PASS
	Extreme (10°C)		2497.032	2524.968	2496-2690	PASS
	Extreme (0°C)		2497.001	2524.999	2496-2690	PASS
	Extreme (-10°C)		2497.028	2524.972	2496-2690	PASS
	Extreme (-20°C)		2497.022	2524.978	2496-2690	PASS
	Extreme (-30°C)		2497.010	2524.990	2496-2690	PASS
	25°C	LV	2497.033	2524.967	2496-2690	PASS
		HV	2497.019	2524.981	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2516	BANDWIDTH	40MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2498.058	2533.942	2496-2690	PASS
	Extreme (40°C)		2498.006	2533.994	2496-2690	PASS
	Extreme (30°C)		2498.012	2533.988	2496-2690	PASS
	Extreme (20°C)		2498.043	2533.957	2496-2690	PASS
	Extreme (10°C)		2498.070	2533.930	2496-2690	PASS
	Extreme (0°C)		2498.006	2533.994	2496-2690	PASS
	Extreme (-10°C)		2498.050	2533.950	2496-2690	PASS
	Extreme (-20°C)		2498.033	2533.967	2496-2690	PASS
	Extreme (-30°C)		2498.027	2533.973	2496-2690	PASS
	25°C	LV	2498.057	2533.943	2496-2690	PASS
		HV	2498.031	2533.969	2496-2690	PASS

NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2521	BANDWIDTH	50MHz	DFT-QPSK	DFT-QPSK	2496-2690	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2497.252	2544.748	2496-2690	PASS
	Extreme (40°C)		2497.257	2544.743	2496-2690	PASS
	Extreme (30°C)		2497.279	2544.721	2496-2690	PASS
	Extreme (20°C)		2497.251	2544.749	2496-2690	PASS
	Extreme (10°C)		2497.273	2544.727	2496-2690	PASS
	Extreme (0°C)		2497.265	2544.735	2496-2690	PASS
	Extreme (-10°C)		2497.264	2544.736	2496-2690	PASS
	Extreme (-20°C)		2497.279	2544.721	2496-2690	PASS
	Extreme (-30°C)		2497.268	2544.732	2496-2690	PASS
	25°C	LV	2497.289	2544.711	2496-2690	PASS
		HV	2497.267	2544.733	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2526	BANDWIDTH	60MHz	DFT-QPSK	DFT-QPSK	2496-2690	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2497.049	2554.951	2496-2690	PASS
	Extreme (40°C)		2497.045	2554.955	2496-2690	PASS
	Extreme (30°C)		2497.015	2554.985	2496-2690	PASS
	Extreme (20°C)		2497.027	2554.973	2496-2690	PASS
	Extreme (10°C)		2497.021	2554.979	2496-2690	PASS
	Extreme (0°C)		2497.033	2554.967	2496-2690	PASS
	Extreme (-10°C)		2497.025	2554.975	2496-2690	PASS
	Extreme (-20°C)		2497.035	2554.965	2496-2690	PASS
	Extreme (-30°C)		2497.004	2554.996	2496-2690	PASS
	25°C	LV	2497.030	2554.970	2496-2690	PASS
		HV	2497.050	2554.950	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2536	BANDWIDTH	80MHz	DFT-QPSK	DFT-QPSK	2496-2690	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2497.197	2574.803	2496-2690	PASS
	Extreme (40°C)		2497.178	2574.822	2496-2690	PASS
	Extreme (30°C)		2497.240	2574.760	2496-2690	PASS
	Extreme (20°C)		2497.169	2574.831	2496-2690	PASS
	Extreme (10°C)		2497.218	2574.782	2496-2690	PASS

	Extreme (0℃)		2497.228	2574.772	2496-2690	PASS
	Extreme (-10℃)		2497.189	2574.811	2496-2690	PASS
	Extreme (-20℃)		2497.176	2574.824	2496-2690	PASS
	Extreme (-30℃)		2497.232	2574.768	2496-2690	PASS
	25℃	LV	2497.238	2574.762	2496-2690	PASS
		HV	2497.168	2574.832	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2546	BANDWIDTH	100MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2497.126	2594.874	2496-2690	PASS
	Extreme (40℃)		2497.149	2594.851	2496-2690	PASS
	Extreme (30℃)		2497.149	2594.851	2496-2690	PASS
	Extreme (20℃)		2497.122	2594.878	2496-2690	PASS
	Extreme (10℃)		2497.116	2594.884	2496-2690	PASS
	Extreme (0℃)		2497.136	2594.864	2496-2690	PASS
	Extreme (-10℃)		2497.141	2594.859	2496-2690	PASS
	Extreme (-20℃)		2497.127	2594.873	2496-2690	PASS
	Extreme (-30℃)		2497.139	2594.861	2496-2690	PASS
	25℃	LV	2497.120	2594.880	2496-2690	PASS
		HV	2497.149	2594.851	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2680	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	2670.863	2689.137	2496-2690	PASS
	Extreme (40℃)		2670.887	2689.113	2496-2690	PASS
	Extreme (30℃)		2670.899	2689.101	2496-2690	PASS
	Extreme (20℃)		2670.829	2689.171	2496-2690	PASS
	Extreme (10℃)		2670.844	2689.156	2496-2690	PASS
	Extreme (0℃)		2670.873	2689.127	2496-2690	PASS
	Extreme (-10℃)		2670.831	2689.169	2496-2690	PASS
	Extreme (-20℃)		2670.851	2689.149	2496-2690	PASS
	Extreme (-30℃)		2670.844	2689.156	2496-2690	PASS
	25℃	LV	2670.885	2689.115	2496-2690	PASS
		HV	2670.840	2689.160	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

2675	BANDWIDTH	30MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2661.043	2688.957	2496-2690	PASS
	Extreme (40°C)		2661.043	2688.957	2496-2690	PASS
	Extreme (30°C)		2661.025	2688.975	2496-2690	PASS
	Extreme (20°C)		2661.029	2688.971	2496-2690	PASS
	Extreme (10°C)		2661.015	2688.985	2496-2690	PASS
	Extreme (0°C)		2661.025	2688.975	2496-2690	PASS
	Extreme (-10°C)		2661.022	2688.978	2496-2690	PASS
	Extreme (-20°C)		2661.008	2688.992	2496-2690	PASS
	Extreme (-30°C)		2661.008	2688.992	2496-2690	PASS
	25°C	LV	2661.023	2688.977	2496-2690	PASS
		HV	2661.021	2688.979	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2670	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2652.004	2687.996	2496-2690	PASS
	Extreme (40°C)		2652.047	2687.953	2496-2690	PASS
	Extreme (30°C)		2652.056	2687.944	2496-2690	PASS
	Extreme (20°C)		2652.008	2687.992	2496-2690	PASS
	Extreme (10°C)		2652.060	2687.940	2496-2690	PASS
	Extreme (0°C)		2652.025	2687.975	2496-2690	PASS
	Extreme (-10°C)		2652.000	2688.000	2496-2690	PASS
	Extreme (-20°C)		2652.059	2687.941	2496-2690	PASS
	Extreme (-30°C)		2652.050	2687.950	2496-2690	PASS
	25°C	LV	2652.017	2687.983	2496-2690	PASS
		HV	2652.092	2687.908	2496-2690	PASS
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2665	BANDWIDTH	50MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2641.254	2688.746	2496-2690	PASS
	Extreme (40°C)		2641.285	2688.715	2496-2690	PASS
	Extreme (30°C)		2641.292	2688.708	2496-2690	PASS
	Extreme (20°C)		2641.283	2688.717	2496-2690	PASS
	Extreme (10°C)		2641.265	2688.735	2496-2690	PASS
	Extreme (0°C)		2641.271	2688.729	2496-2690	PASS
	Extreme (-10°C)		2641.280	2688.720	2496-2690	PASS

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	Extreme (-20°C)		2641.287	2688.713	2496-2690	PASS
	Extreme (-30°C)		2641.289	2688.711	2496-2690	PASS
	25°C	LV	2641.297	2688.703	2496-2690	PASS
	HV	2641.265	2688.735	2496-2690	PASS	
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2660	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2631.019	2688.981	2496-2690	PASS
	Extreme (40°C)		2631.037	2688.963	2496-2690	PASS
	Extreme (30°C)		2631.040	2688.960	2496-2690	PASS
	Extreme (20°C)		2631.036	2688.964	2496-2690	PASS
	Extreme (10°C)		2631.039	2688.961	2496-2690	PASS
	Extreme (0°C)		2631.028	2688.972	2496-2690	PASS
	Extreme (-10°C)		2631.018	2688.982	2496-2690	PASS
	Extreme (-20°C)		2631.018	2688.982	2496-2690	PASS
	Extreme (-30°C)		2631.010	2688.990	2496-2690	PASS
	25°C	LV	2631.039	2688.961	2496-2690	PASS
	HV	2631.017	2688.983	2496-2690	PASS	
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2650	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	2611.227	2688.773	2496-2690	PASS
	Extreme (40°C)		2611.176	2688.824	2496-2690	PASS
	Extreme (30°C)		2611.243	2688.757	2496-2690	PASS
	Extreme (20°C)		2611.158	2688.842	2496-2690	PASS
	Extreme (10°C)		2611.155	2688.845	2496-2690	PASS
	Extreme (0°C)		2611.218	2688.782	2496-2690	PASS
	Extreme (-10°C)		2611.168	2688.832	2496-2690	PASS
	Extreme (-20°C)		2611.229	2688.771	2496-2690	PASS
	Extreme (-30°C)		2611.156	2688.844	2496-2690	PASS
	25°C	LV	2611.179	2688.821	2496-2690	PASS
	HV	2611.152	2688.848	2496-2690	PASS	
NR N41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2640	BANDWIDTH	100MHz				
	Temperature	Voltage	DFT-QPSK			

	Extreme (50°C)	NV	2591.138	2688.862	2496-2690	PASS
	Extreme (40°C)		2591.139	2688.861	2496-2690	PASS
	Extreme (30°C)		2591.125	2688.875	2496-2690	PASS
	Extreme (20°C)		2591.130	2688.870	2496-2690	PASS
	Extreme (10°C)		2591.133	2688.867	2496-2690	PASS
	Extreme (0°C)		2591.109	2688.891	2496-2690	PASS
	Extreme (-10°C)		2591.147	2688.853	2496-2690	PASS
	Extreme (-20°C)		2591.124	2688.876	2496-2690	PASS
	Extreme (-30°C)		2591.120	2688.880	2496-2690	PASS
	25°C	LV	2591.124	2688.876	2496-2690	PASS
		HV	2591.129	2688.871	2496-2690	PASS

NR N48 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3560	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3551.013	3568.987	3550-3700	PASS
	Extreme (40°C)		3551.010	3568.990	3550-3700	PASS
	Extreme (30°C)		3551.028	3568.972	3550-3700	PASS
	Extreme (20°C)		3551.017	3568.983	3550-3700	PASS
	Extreme (10°C)		3551.042	3568.958	3550-3700	PASS
	Extreme (0°C)		3551.028	3568.972	3550-3700	PASS
	Extreme (-10°C)		3551.048	3568.952	3550-3700	PASS
	Extreme (-20°C)		3551.026	3568.974	3550-3700	PASS
	Extreme (-30°C)		3551.040	3568.960	3550-3700	PASS
	25°C	LV	3551.029	3568.971	3550-3700	PASS
		HV	3551.035	3568.965	3550-3700	PASS
NR N48 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3570	BANDWIDTH	40MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3552.098	3587.902	3550-3700	PASS
	Extreme (40°C)		3552.003	3587.997	3550-3700	PASS
	Extreme (30°C)		3552.096	3587.904	3550-3700	PASS
	Extreme (20°C)		3552.040	3587.960	3550-3700	PASS
	Extreme (10°C)		3552.021	3587.979	3550-3700	PASS
	Extreme (0°C)		3552.080	3587.920	3550-3700	PASS
	Extreme (-10°C)		3552.070	3587.930	3550-3700	PASS
	Extreme (-20°C)		3552.088	3587.912	3550-3700	PASS
	Extreme (-30°C)		3552.095	3587.905	3550-3700	PASS
	25°C	LV	3552.033	3587.967	3550-3700	PASS

		HV	3552.013	3587.987	3550-3700	PASS
NR N48 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3690	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3681.040	3698.960	3550-3700	PASS
	Extreme (40°C)		3681.009	3698.991	3550-3700	PASS
	Extreme (30°C)		3681.036	3698.964	3550-3700	PASS
	Extreme (20°C)		3681.011	3698.989	3550-3700	PASS
	Extreme (10°C)		3681.035	3698.965	3550-3700	PASS
	Extreme (0°C)		3681.032	3698.968	3550-3700	PASS
	Extreme (-10°C)		3681.036	3698.964	3550-3700	PASS
	Extreme (-20°C)		3681.019	3698.981	3550-3700	PASS
	Extreme (-30°C)		3681.018	3698.982	3550-3700	PASS
	25°C	LV	3681.014	3698.986	3550-3700	PASS
		HV	3681.017	3698.983	3550-3700	PASS
NR N48 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3680	BANDWIDTH	40MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3662.033	3697.967	3550-3700	PASS
	Extreme (40°C)		3662.049	3697.951	3550-3700	PASS
	Extreme (30°C)		3662.078	3697.922	3550-3700	PASS
	Extreme (20°C)		3662.016	3697.984	3550-3700	PASS
	Extreme (10°C)		3662.021	3697.979	3550-3700	PASS
	Extreme (0°C)		3662.062	3697.938	3550-3700	PASS
	Extreme (-10°C)		3662.075	3697.925	3550-3700	PASS
	Extreme (-20°C)		3662.095	3697.905	3550-3700	PASS
	Extreme (-30°C)		3662.064	3697.936	3550-3700	PASS
	25°C	LV	3662.027	3697.973	3550-3700	PASS
		HV	3662.051	3697.949	3550-3700	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.273	1714.727	1710-1780	PASS
	Extreme (40°C)		1710.238	1714.762	1710-1780	PASS
	Extreme (30°C)		1710.221	1714.779	1710-1780	PASS

	Extreme (20°C)		1710.209	1714.791	1710-1780	PASS
	Extreme (10°C)		1710.285	1714.715	1710-1780	PASS
	Extreme (0°C)		1710.268	1714.732	1710-1780	PASS
	Extreme (-10°C)		1710.227	1714.773	1710-1780	PASS
	Extreme (-20°C)		1710.286	1714.714	1710-1780	PASS
	Extreme (-30°C)		1710.257	1714.743	1710-1780	PASS
	25°C	LV	1710.272	1714.728	1710-1780	PASS
		HV	1710.253	1714.747	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.686	1719.314	1710-1780	PASS
	Extreme (40°C)		1710.657	1719.343	1710-1780	PASS
	Extreme (30°C)		1710.674	1719.326	1710-1780	PASS
	Extreme (20°C)		1710.671	1719.329	1710-1780	PASS
	Extreme (10°C)		1710.618	1719.382	1710-1780	PASS
	Extreme (0°C)		1710.671	1719.329	1710-1780	PASS
	Extreme (-10°C)		1710.682	1719.318	1710-1780	PASS
	Extreme (-20°C)		1710.698	1719.302	1710-1780	PASS
	Extreme (-30°C)		1710.602	1719.398	1710-1780	PASS
	25°C	LV	1710.684	1719.316	1710-1780	PASS
		HV	1710.600	1719.400	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.691	1724.309	1710-1780	PASS
	Extreme (40°C)		1710.673	1724.327	1710-1780	PASS
	Extreme (30°C)		1710.668	1724.332	1710-1780	PASS
	Extreme (20°C)		1710.686	1724.314	1710-1780	PASS
	Extreme (10°C)		1710.681	1724.319	1710-1780	PASS
	Extreme (0°C)		1710.658	1724.342	1710-1780	PASS
	Extreme (-10°C)		1710.644	1724.356	1710-1780	PASS
	Extreme (-20°C)		1710.670	1724.330	1710-1780	PASS
	Extreme (-30°C)		1710.699	1724.301	1710-1780	PASS
	25°C	LV	1710.643	1724.357	1710-1780	PASS
		HV	1710.646	1724.354	1710-1780	PASS
NR N66	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1710.837	1729.163	1710-1780	PASS
	Extreme (40°C)		1710.866	1729.134	1710-1780	PASS
	Extreme (30°C)		1710.868	1729.132	1710-1780	PASS
	Extreme (20°C)		1710.839	1729.161	1710-1780	PASS
	Extreme (10°C)		1710.828	1729.172	1710-1780	PASS
	Extreme (0°C)		1710.894	1729.106	1710-1780	PASS
	Extreme (-10°C)		1710.846	1729.154	1710-1780	PASS
	Extreme (-20°C)		1710.844	1729.156	1710-1780	PASS
	Extreme (-30°C)		1710.808	1729.192	1710-1780	PASS
	25°C	LV	1710.816	1729.184	1710-1780	PASS
		HV	1710.827	1729.173	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1777.5	BANDWIDTH	5MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1775.248	1779.752	1710-1780	PASS
	Extreme (40°C)		1775.254	1779.746	1710-1780	PASS
	Extreme (30°C)		1775.224	1779.776	1710-1780	PASS
	Extreme (20°C)		1775.278	1779.722	1710-1780	PASS
	Extreme (10°C)		1775.204	1779.796	1710-1780	PASS
	Extreme (0°C)		1775.281	1779.719	1710-1780	PASS
	Extreme (-10°C)		1775.254	1779.746	1710-1780	PASS
	Extreme (-20°C)		1775.254	1779.746	1710-1780	PASS
	Extreme (-30°C)		1775.288	1779.712	1710-1780	PASS
	25°C	LV	1775.228	1779.772	1710-1780	PASS
		HV	1775.218	1779.782	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1775	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1770.690	1779.310	1710-1780	PASS
	Extreme (40°C)		1770.696	1779.304	1710-1780	PASS
	Extreme (30°C)		1770.657	1779.343	1710-1780	PASS
	Extreme (20°C)		1770.615	1779.385	1710-1780	PASS
	Extreme (10°C)		1770.646	1779.354	1710-1780	PASS
	Extreme (0°C)		1770.700	1779.300	1710-1780	PASS

	Extreme (-10°C)		1770.616	1779.384	1710-1780	PASS
	Extreme (-20°C)		1770.611	1779.389	1710-1780	PASS
	Extreme (-30°C)		1770.646	1779.354	1710-1780	PASS
	25°C	LV	1770.603	1779.397	1710-1780	PASS
		HV	1770.667	1779.333	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1772.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1765.642	1779.358	1710-1780	PASS
	Extreme (40°C)		1765.664	1779.336	1710-1780	PASS
	Extreme (30°C)		1765.611	1779.389	1710-1780	PASS
	Extreme (20°C)		1765.601	1779.399	1710-1780	PASS
	Extreme (10°C)		1765.661	1779.339	1710-1780	PASS
	Extreme (0°C)		1765.697	1779.303	1710-1780	PASS
	Extreme (-10°C)		1765.674	1779.326	1710-1780	PASS
	Extreme (-20°C)		1765.689	1779.311	1710-1780	PASS
	Extreme (-30°C)		1765.675	1779.325	1710-1780	PASS
	25°C	LV	1765.664	1779.336	1710-1780	PASS
		HV	1765.629	1779.371	1710-1780	PASS
NR N66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1770	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	1760.827	1779.173	1710-1780	PASS
	Extreme (40°C)		1760.847	1779.153	1710-1780	PASS
	Extreme (30°C)		1760.881	1779.119	1710-1780	PASS
	Extreme (20°C)		1760.806	1779.194	1710-1780	PASS
	Extreme (10°C)		1760.884	1779.116	1710-1780	PASS
	Extreme (0°C)		1760.885	1779.115	1710-1780	PASS
	Extreme (-10°C)		1760.844	1779.156	1710-1780	PASS
	Extreme (-20°C)		1760.856	1779.144	1710-1780	PASS
	Extreme (-30°C)		1760.886	1779.114	1710-1780	PASS
	25°C	LV	1760.813	1779.187	1710-1780	PASS
		HV	1760.810	1779.190	1710-1780	PASS

NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
665.5	BANDWIDTH	5MHz	DFT-QPSK	DFT-QPSK	663-698	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	663.203	667.797	663-698	PASS
	Extreme (40°C)		663.245	667.755	663-698	PASS
	Extreme (30°C)		663.233	667.767	663-698	PASS
	Extreme (20°C)		663.214	667.786	663-698	PASS
	Extreme (10°C)		663.207	667.793	663-698	PASS
	Extreme (0°C)		663.271	667.729	663-698	PASS
	Extreme (-10°C)		663.214	667.786	663-698	PASS
	Extreme (-20°C)		663.295	667.705	663-698	PASS
	Extreme (-30°C)		663.291	667.709	663-698	PASS
	25°C	LV	663.298	667.702	663-698	PASS
		HV	663.231	667.769	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
668	BANDWIDTH	10MHz	DFT-QPSK	DFT-QPSK	663-698	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	663.620	672.380	663-698	PASS
	Extreme (40°C)		663.611	672.389	663-698	PASS
	Extreme (30°C)		663.626	672.374	663-698	PASS
	Extreme (20°C)		663.667	672.333	663-698	PASS
	Extreme (10°C)		663.604	672.396	663-698	PASS
	Extreme (0°C)		663.690	672.310	663-698	PASS
	Extreme (-10°C)		663.606	672.394	663-698	PASS
	Extreme (-20°C)		663.614	672.386	663-698	PASS
	Extreme (-30°C)		663.625	672.375	663-698	PASS
	25°C	LV	663.697	672.303	663-698	PASS
		HV	663.680	672.320	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
670.5	BANDWIDTH	15MHz	DFT-QPSK	DFT-QPSK	663-698	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	663.676	677.324	663-698	PASS
	Extreme (40°C)		663.656	677.344	663-698	PASS
	Extreme (30°C)		663.642	677.358	663-698	PASS
	Extreme (20°C)		663.668	677.332	663-698	PASS

	Extreme (10℃)		663.642	677.358	663-698	PASS
	Extreme (0℃)		663.625	677.375	663-698	PASS
	Extreme (-10℃)		663.643	677.357	663-698	PASS
	Extreme (-20℃)		663.641	677.359	663-698	PASS
	Extreme (-30℃)		663.604	677.396	663-698	PASS
	25℃	LV	663.630	677.370	663-698	PASS
		HV	663.617	677.383	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
673	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	663.830	682.170	663-698	PASS
	Extreme (40℃)		663.815	682.185	663-698	PASS
	Extreme (30℃)		663.809	682.191	663-698	PASS
	Extreme (20℃)		663.866	682.134	663-698	PASS
	Extreme (10℃)		663.826	682.174	663-698	PASS
	Extreme (0℃)		663.879	682.121	663-698	PASS
	Extreme (-10℃)		663.828	682.172	663-698	PASS
	Extreme (-20℃)		663.818	682.182	663-698	PASS
	Extreme (-30℃)		663.865	682.135	663-698	PASS
	25℃	LV	663.809	682.191	663-698	PASS
		HV	663.866	682.134	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
695.5	BANDWIDTH	5MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	693.209	697.791	663-698	PASS
	Extreme (40℃)		693.296	697.704	663-698	PASS
	Extreme (30℃)		693.201	697.799	663-698	PASS
	Extreme (20℃)		693.237	697.763	663-698	PASS
	Extreme (10℃)		693.299	697.701	663-698	PASS
	Extreme (0℃)		693.209	697.791	663-698	PASS
	Extreme (-10℃)		693.229	697.771	663-698	PASS
	Extreme (-20℃)		693.203	697.797	663-698	PASS
	Extreme (-30℃)		693.258	697.742	663-698	PASS
	25℃	LV	693.242	697.758	663-698	PASS
		HV	693.239	697.761	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

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693	BANDWIDTH	10MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	688.657	697.343	663-698	PASS
	Extreme (40℃)		688.687	697.313	663-698	PASS
	Extreme (30℃)		688.699	697.301	663-698	PASS
	Extreme (20℃)		688.698	697.302	663-698	PASS
	Extreme (10℃)		688.604	697.396	663-698	PASS
	Extreme (0℃)		688.659	697.341	663-698	PASS
	Extreme (-10℃)		688.650	697.350	663-698	PASS
	Extreme (-20℃)		688.668	697.332	663-698	PASS
	Extreme (-30℃)		688.624	697.376	663-698	PASS
	25℃	LV	688.675	697.325	663-698	PASS
		HV	688.664	697.336	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
690.5	BANDWIDTH	15MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	683.657	697.343	663-698	PASS
	Extreme (40℃)		683.666	697.334	663-698	PASS
	Extreme (30℃)		683.608	697.392	663-698	PASS
	Extreme (20℃)		683.668	697.332	663-698	PASS
	Extreme (10℃)		683.612	697.388	663-698	PASS
	Extreme (0℃)		683.679	697.321	663-698	PASS
	Extreme (-10℃)		683.636	697.364	663-698	PASS
	Extreme (-20℃)		683.679	697.321	663-698	PASS
	Extreme (-30℃)		683.654	697.346	663-698	PASS
	25℃	LV	683.693	697.307	663-698	PASS
		HV	683.639	697.361	663-698	PASS
NR N71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
688	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	678.890	697.110	663-698	PASS
	Extreme (40℃)		678.810	697.190	663-698	PASS
	Extreme (30℃)		678.851	697.149	663-698	PASS
	Extreme (20℃)		678.823	697.177	663-698	PASS
	Extreme (10℃)		678.843	697.157	663-698	PASS
	Extreme (0℃)		678.837	697.163	663-698	PASS
	Extreme (-10℃)		678.841	697.159	663-698	PASS

	Extreme (-20°C)		678.839	697.161	663-698	PASS
	Extreme (-30°C)		678.858	697.142	663-698	PASS
	25°C	LV	678.835	697.165	663-698	PASS
		HV	678.855	697.145	663-698	PASS

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NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3460	BANDWIDTH	20MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3450.809	3469.191	3450-3550	PASS
	Extreme (40°C)		3450.881	3469.119	3450-3550	PASS
	Extreme (30°C)		3450.849	3469.151	3450-3550	PASS
	Extreme (20°C)		3450.899	3469.101	3450-3550	PASS
	Extreme (10°C)		3450.857	3469.143	3450-3550	PASS
	Extreme (0°C)		3450.815	3469.185	3450-3550	PASS
	Extreme (-10°C)		3450.837	3469.163	3450-3550	PASS
	Extreme (-20°C)		3450.809	3469.191	3450-3550	PASS
	Extreme (-30°C)		3450.832	3469.168	3450-3550	PASS
	25°C	LV	3450.821	3469.179	3450-3550	PASS
		HV	3450.815	3469.185	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3465	BANDWIDTH	30MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3451.015	3478.985	3450-3550	PASS
	Extreme (40°C)		3451.049	3478.951	3450-3550	PASS
	Extreme (30°C)		3451.022	3478.978	3450-3550	PASS
	Extreme (20°C)		3451.029	3478.971	3450-3550	PASS
	Extreme (10°C)		3451.015	3478.985	3450-3550	PASS
	Extreme (0°C)		3451.004	3478.996	3450-3550	PASS
	Extreme (-10°C)		3451.014	3478.986	3450-3550	PASS
	Extreme (-20°C)		3451.018	3478.982	3450-3550	PASS
	Extreme (-30°C)		3451.018	3478.982	3450-3550	PASS
	25°C	LV	3451.022	3478.978	3450-3550	PASS
		HV	3451.048	3478.952	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3470	BANDWIDTH	40MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3452.054	3487.946	3450-3550	PASS
	Extreme (40°C)		3452.028	3487.972	3450-3550	PASS
	Extreme (30°C)		3452.035	3487.965	3450-3550	PASS
	Extreme (20°C)		3452.080	3487.920	3450-3550	PASS

	Extreme (10°C)		3452.045	3487.955	3450-3550	PASS
	Extreme (0°C)		3452.096	3487.904	3450-3550	PASS
	Extreme (-10°C)		3452.093	3487.907	3450-3550	PASS
	Extreme (-20°C)		3452.051	3487.949	3450-3550	PASS
	Extreme (-30°C)		3452.044	3487.956	3450-3550	PASS
	25°C	LV	3452.060	3487.940	3450-3550	PASS
		HV	3452.032	3487.968	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3480	BANDWIDTH	60MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3451.018	3508.982	3450-3550	PASS
	Extreme (40°C)		3451.032	3508.968	3450-3550	PASS
	Extreme (30°C)		3451.002	3508.998	3450-3550	PASS
	Extreme (20°C)		3451.041	3508.959	3450-3550	PASS
	Extreme (10°C)		3451.023	3508.977	3450-3550	PASS
	Extreme (0°C)		3451.047	3508.953	3450-3550	PASS
	Extreme (-10°C)		3451.042	3508.958	3450-3550	PASS
	Extreme (-20°C)		3451.018	3508.982	3450-3550	PASS
	Extreme (-30°C)		3451.008	3508.992	3450-3550	PASS
	25°C	LV	3451.022	3508.978	3450-3550	PASS
		HV	3451.009	3508.991	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3490	BANDWIDTH	80MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3451.184	3528.816	3450-3550	PASS
	Extreme (40°C)		3451.236	3528.764	3450-3550	PASS
	Extreme (30°C)		3451.169	3528.831	3450-3550	PASS
	Extreme (20°C)		3451.210	3528.790	3450-3550	PASS
	Extreme (10°C)		3451.231	3528.769	3450-3550	PASS
	Extreme (0°C)		3451.224	3528.776	3450-3550	PASS
	Extreme (-10°C)		3451.173	3528.827	3450-3550	PASS
	Extreme (-20°C)		3451.173	3528.827	3450-3550	PASS
	Extreme (-30°C)		3451.152	3528.848	3450-3550	PASS
	25°C	LV	3451.236	3528.764	3450-3550	PASS
		HV	3451.203	3528.797	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

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3500	BANDWIDTH	100MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3451.120	3548.880	3450-3550	PASS
	Extreme (40℃)		3451.145	3548.855	3450-3550	PASS
	Extreme (30℃)		3451.123	3548.877	3450-3550	PASS
	Extreme (20℃)		3451.109	3548.891	3450-3550	PASS
	Extreme (10℃)		3451.145	3548.855	3450-3550	PASS
	Extreme (0℃)		3451.129	3548.871	3450-3550	PASS
	Extreme (-10℃)		3451.149	3548.851	3450-3550	PASS
	Extreme (-20℃)		3451.140	3548.860	3450-3550	PASS
	Extreme (-30℃)		3451.101	3548.899	3450-3550	PASS
	25℃	LV	3451.104	3548.896	3450-3550	PASS
HV		3451.112	3548.888	3450-3550	PASS	
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3540	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3530.889	3549.111	3450-3550	PASS
	Extreme (40℃)		3530.838	3549.162	3450-3550	PASS
	Extreme (30℃)		3530.846	3549.154	3450-3550	PASS
	Extreme (20℃)		3530.858	3549.142	3450-3550	PASS
	Extreme (10℃)		3530.881	3549.119	3450-3550	PASS
	Extreme (0℃)		3530.826	3549.174	3450-3550	PASS
	Extreme (-10℃)		3530.802	3549.198	3450-3550	PASS
	Extreme (-20℃)		3530.815	3549.185	3450-3550	PASS
	Extreme (-30℃)		3530.845	3549.155	3450-3550	PASS
	25℃	LV	3530.853	3549.147	3450-3550	PASS
HV		3530.810	3549.190	3450-3550	PASS	
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3535	BANDWIDTH	30MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3521.046	3548.954	3450-3550	PASS
	Extreme (40℃)		3521.007	3548.993	3450-3550	PASS
	Extreme (30℃)		3521.008	3548.992	3450-3550	PASS
	Extreme (20℃)		3521.044	3548.956	3450-3550	PASS
	Extreme (10℃)		3521.022	3548.978	3450-3550	PASS
	Extreme (0℃)		3521.050	3548.950	3450-3550	PASS
	Extreme (-10℃)		3521.036	3548.964	3450-3550	PASS

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	Extreme (-20°C)		3521.032	3548.968	3450-3550	PASS
	Extreme (-30°C)		3521.047	3548.953	3450-3550	PASS
	25°C	LV	3521.050	3548.950	3450-3550	PASS
	HV	3521.022	3548.978	3450-3550	PASS	
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3530	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3512.043	3547.957	3450-3550	PASS
	Extreme (40°C)		3512.033	3547.967	3450-3550	PASS
	Extreme (30°C)		3512.076	3547.924	3450-3550	PASS
	Extreme (20°C)		3512.061	3547.939	3450-3550	PASS
	Extreme (10°C)		3512.097	3547.903	3450-3550	PASS
	Extreme (0°C)		3512.095	3547.905	3450-3550	PASS
	Extreme (-10°C)		3512.015	3547.985	3450-3550	PASS
	Extreme (-20°C)		3512.018	3547.982	3450-3550	PASS
	Extreme (-30°C)		3512.018	3547.982	3450-3550	PASS
	25°C	LV	3512.005	3547.995	3450-3550	PASS
		HV	3512.001	3547.999	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3520	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3491.036	3548.964	3450-3550	PASS
	Extreme (40°C)		3491.029	3548.971	3450-3550	PASS
	Extreme (30°C)		3491.001	3548.999	3450-3550	PASS
	Extreme (20°C)		3491.012	3548.988	3450-3550	PASS
	Extreme (10°C)		3491.003	3548.997	3450-3550	PASS
	Extreme (0°C)		3491.008	3548.992	3450-3550	PASS
	Extreme (-10°C)		3491.037	3548.963	3450-3550	PASS
	Extreme (-20°C)		3491.039	3548.961	3450-3550	PASS
	Extreme (-30°C)		3491.006	3548.994	3450-3550	PASS
	25°C	LV	3491.039	3548.961	3450-3550	PASS
		HV	3491.036	3548.964	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3510	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			

	Extreme (50°C)	NV	3471.177	3548.823	3450-3550	PASS
	Extreme (40°C)		3471.205	3548.795	3450-3550	PASS
	Extreme (30°C)		3471.179	3548.821	3450-3550	PASS
	Extreme (20°C)		3471.182	3548.818	3450-3550	PASS
	Extreme (10°C)		3471.209	3548.791	3450-3550	PASS
	Extreme (0°C)		3471.186	3548.814	3450-3550	PASS
	Extreme (-10°C)		3471.247	3548.753	3450-3550	PASS
	Extreme (-20°C)		3471.195	3548.805	3450-3550	PASS
	Extreme (-30°C)		3471.218	3548.782	3450-3550	PASS
	25°C	LV	3471.219	3548.781	3450-3550	PASS
		HV	3471.232	3548.768	3450-3550	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3710	BANDWIDTH	20MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3700.988	3719.012	3700-3980	PASS
	Extreme (40°C)		3701.006	3718.994	3700-3980	PASS
	Extreme (30°C)		3700.967	3719.033	3700-3980	PASS
	Extreme (20°C)		3700.977	3719.023	3700-3980	PASS
	Extreme (10°C)		3700.976	3719.024	3700-3980	PASS
	Extreme (0°C)		3701.011	3718.989	3700-3980	PASS
	Extreme (-10°C)		3700.997	3719.003	3700-3980	PASS
	Extreme (-20°C)		3700.999	3719.001	3700-3980	PASS
	Extreme (-30°C)		3701.006	3718.994	3700-3980	PASS
	25°C	LV	3700.962	3719.038	3700-3980	PASS
		HV	3701.004	3718.996	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3715	BANDWIDTH	30MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3701.481	3728.519	3700-3980	PASS
	Extreme (40°C)		3701.519	3728.481	3700-3980	PASS
	Extreme (30°C)		3701.478	3728.522	3700-3980	PASS
	Extreme (20°C)		3701.491	3728.509	3700-3980	PASS
	Extreme (10°C)		3701.530	3728.470	3700-3980	PASS
	Extreme (0°C)		3701.498	3728.502	3700-3980	PASS
	Extreme (-10°C)		3701.493	3728.507	3700-3980	PASS
	Extreme (-20°C)		3701.526	3728.474	3700-3980	PASS
	Extreme (-30°C)		3701.493	3728.507	3700-3980	PASS
	25°C	LV	3701.478	3728.522	3700-3980	PASS

		HV	3701.481	3728.519	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3720	BANDWIDTH	40MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3702.093	3737.907	3700-3980	PASS
	Extreme (40°C)		3702.017	3737.983	3700-3980	PASS
	Extreme (30°C)		3702.097	3737.903	3700-3980	PASS
	Extreme (20°C)		3702.090	3737.910	3700-3980	PASS
	Extreme (10°C)		3702.083	3737.917	3700-3980	PASS
	Extreme (0°C)		3702.048	3737.952	3700-3980	PASS
	Extreme (-10°C)		3702.005	3737.995	3700-3980	PASS
	Extreme (-20°C)		3702.021	3737.979	3700-3980	PASS
	Extreme (-30°C)		3702.031	3737.969	3700-3980	PASS
	25°C	LV	3702.036	3737.964	3700-3980	PASS
		HV	3702.027	3737.973	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3730	BANDWIDTH	60MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3700.984	3759.016	3700-3980	PASS
	Extreme (40°C)		3700.987	3759.013	3700-3980	PASS
	Extreme (30°C)		3700.989	3759.011	3700-3980	PASS
	Extreme (20°C)		3700.980	3759.020	3700-3980	PASS
	Extreme (10°C)		3701.021	3758.979	3700-3980	PASS
	Extreme (0°C)		3700.986	3759.014	3700-3980	PASS
	Extreme (-10°C)		3700.977	3759.023	3700-3980	PASS
	Extreme (-20°C)		3700.982	3759.018	3700-3980	PASS
	Extreme (-30°C)		3701.023	3758.977	3700-3980	PASS
	25°C	LV	3700.991	3759.009	3700-3980	PASS
		HV	3700.988	3759.012	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3740	BANDWIDTH	80MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3701.411	3778.589	3700-3980	PASS
	Extreme (40°C)		3701.402	3778.598	3700-3980	PASS
	Extreme (30°C)		3701.414	3778.586	3700-3980	PASS

	Extreme (20°C)		3701.364	3778.636	3700-3980	PASS
	Extreme (10°C)		3701.373	3778.627	3700-3980	PASS
	Extreme (0°C)		3701.418	3778.582	3700-3980	PASS
	Extreme (-10°C)		3701.394	3778.606	3700-3980	PASS
	Extreme (-20°C)		3701.405	3778.595	3700-3980	PASS
	Extreme (-30°C)		3701.411	3778.589	3700-3980	PASS
	25°C	LV	3701.369	3778.631	3700-3980	PASS
		HV	3701.365	3778.635	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3750	BANDWIDTH	100MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3701.653	3798.347	3700-3980	PASS
	Extreme (40°C)		3701.722	3798.278	3700-3980	PASS
	Extreme (30°C)		3701.724	3798.276	3700-3980	PASS
	Extreme (20°C)		3701.758	3798.242	3700-3980	PASS
	Extreme (10°C)		3701.779	3798.221	3700-3980	PASS
	Extreme (0°C)		3701.836	3798.164	3700-3980	PASS
	Extreme (-10°C)		3701.708	3798.292	3700-3980	PASS
	Extreme (-20°C)		3701.765	3798.235	3700-3980	PASS
	Extreme (-30°C)		3701.823	3798.177	3700-3980	PASS
	25°C	LV	3701.743	3798.257	3700-3980	PASS
		HV	3701.671	3798.329	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3970	BANDWIDTH	20MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3960.978	3979.022	3700-3980	PASS
	Extreme (40°C)		3960.993	3979.007	3700-3980	PASS
	Extreme (30°C)		3960.977	3979.023	3700-3980	PASS
	Extreme (20°C)		3960.978	3979.022	3700-3980	PASS
	Extreme (10°C)		3961.004	3978.996	3700-3980	PASS
	Extreme (0°C)		3960.981	3979.019	3700-3980	PASS
	Extreme (-10°C)		3960.997	3979.003	3700-3980	PASS
	Extreme (-20°C)		3960.988	3979.012	3700-3980	PASS
	Extreme (-30°C)		3960.999	3979.001	3700-3980	PASS
	25°C	LV	3960.984	3979.016	3700-3980	PASS
		HV	3960.981	3979.019	3700-3980	PASS
NR N77	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
3965	BANDWIDTH	30MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3951.483	3978.517	3700-3980	PASS
	Extreme (40°C)		3951.490	3978.510	3700-3980	PASS
	Extreme (30°C)		3951.459	3978.541	3700-3980	PASS
	Extreme (20°C)		3951.479	3978.521	3700-3980	PASS
	Extreme (10°C)		3951.486	3978.514	3700-3980	PASS
	Extreme (0°C)		3951.485	3978.515	3700-3980	PASS
	Extreme (-10°C)		3951.533	3978.467	3700-3980	PASS
	Extreme (-20°C)		3951.480	3978.520	3700-3980	PASS
	Extreme (-30°C)		3951.488	3978.512	3700-3980	PASS
	25°C	LV	3951.482	3978.518	3700-3980	PASS
		HV	3951.507	3978.493	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3960	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3942.016	3977.984	3700-3980	PASS
	Extreme (40°C)		3942.034	3977.966	3700-3980	PASS
	Extreme (30°C)		3942.045	3977.955	3700-3980	PASS
	Extreme (20°C)		3942.100	3977.900	3700-3980	PASS
	Extreme (10°C)		3942.087	3977.913	3700-3980	PASS
	Extreme (0°C)		3942.067	3977.933	3700-3980	PASS
	Extreme (-10°C)		3942.059	3977.941	3700-3980	PASS
	Extreme (-20°C)		3942.035	3977.965	3700-3980	PASS
	Extreme (-30°C)		3942.088	3977.912	3700-3980	PASS
	25°C	LV	3942.002	3977.998	3700-3980	PASS
		HV	3942.004	3977.996	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3950	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3920.977	3979.023	3700-3980	PASS
	Extreme (40°C)		3920.980	3979.020	3700-3980	PASS
	Extreme (30°C)		3921.001	3978.999	3700-3980	PASS
	Extreme (20°C)		3920.971	3979.029	3700-3980	PASS
	Extreme (10°C)		3921.001	3978.999	3700-3980	PASS
	Extreme (0°C)		3921.009	3978.991	3700-3980	PASS

	Extreme (-10°C)		3921.000	3979.000	3700-3980	PASS
	Extreme (-20°C)		3920.962	3979.038	3700-3980	PASS
	Extreme (-30°C)		3920.981	3979.019	3700-3980	PASS
	25°C	LV	3921.006	3978.994	3700-3980	PASS
		HV	3921.028	3978.972	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3940	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3901.384	3978.616	3700-3980	PASS
	Extreme (40°C)		3901.404	3978.596	3700-3980	PASS
	Extreme (30°C)		3901.422	3978.578	3700-3980	PASS
	Extreme (20°C)		3901.422	3978.578	3700-3980	PASS
	Extreme (10°C)		3901.360	3978.640	3700-3980	PASS
	Extreme (0°C)		3901.438	3978.562	3700-3980	PASS
	Extreme (-10°C)		3901.365	3978.635	3700-3980	PASS
	Extreme (-20°C)		3901.442	3978.558	3700-3980	PASS
	Extreme (-30°C)		3901.404	3978.596	3700-3980	PASS
	25°C	LV	3901.424	3978.576	3700-3980	PASS
		HV	3901.381	3978.619	3700-3980	PASS
NR N77 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3930	BANDWIDTH	100MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3881.847	3978.153	3700-3980	PASS
	Extreme (40°C)		3881.850	3978.150	3700-3980	PASS
	Extreme (30°C)		3881.803	3978.197	3700-3980	PASS
	Extreme (20°C)		3881.646	3978.354	3700-3980	PASS
	Extreme (10°C)		3881.820	3978.180	3700-3980	PASS
	Extreme (0°C)		3881.821	3978.179	3700-3980	PASS
	Extreme (-10°C)		3881.707	3978.293	3700-3980	PASS
	Extreme (-20°C)		3881.600	3978.400	3700-3980	PASS
	Extreme (-30°C)		3881.847	3978.153	3700-3980	PASS
	25°C	LV	3881.756	3978.244	3700-3980	PASS
		HV	3881.835	3978.165	3700-3980	PASS

NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3460	BANDWIDTH	20MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3450.855	3469.145	3450-3550	PASS
	Extreme (40°C)		3450.886	3469.114	3450-3550	PASS
	Extreme (30°C)		3450.801	3469.199	3450-3550	PASS
	Extreme (20°C)		3450.867	3469.133	3450-3550	PASS
	Extreme (10°C)		3450.813	3469.187	3450-3550	PASS
	Extreme (0°C)		3450.830	3469.170	3450-3550	PASS
	Extreme (-10°C)		3450.840	3469.160	3450-3550	PASS
	Extreme (-20°C)		3450.882	3469.118	3450-3550	PASS
	Extreme (-30°C)		3450.852	3469.148	3450-3550	PASS
	25°C	LV	3450.811	3469.189	3450-3550	PASS
		HV	3450.849	3469.151	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3465	BANDWIDTH	30MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3451.021	3478.979	3450-3550	PASS
	Extreme (40°C)		3451.040	3478.960	3450-3550	PASS
	Extreme (30°C)		3451.003	3478.997	3450-3550	PASS
	Extreme (20°C)		3451.025	3478.975	3450-3550	PASS
	Extreme (10°C)		3451.023	3478.977	3450-3550	PASS
	Extreme (0°C)		3451.035	3478.965	3450-3550	PASS
	Extreme (-10°C)		3451.020	3478.980	3450-3550	PASS
	Extreme (-20°C)		3451.009	3478.991	3450-3550	PASS
	Extreme (-30°C)		3451.020	3478.980	3450-3550	PASS
	25°C	LV	3451.037	3478.963	3450-3550	PASS
		HV	3451.003	3478.997	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3470	BANDWIDTH	40MHz	DFT-QPSK	DFT-QPSK	3450-3550	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	3452.076	3487.924	3450-3550	PASS
	Extreme (40°C)		3452.092	3487.908	3450-3550	PASS
	Extreme (30°C)		3452.063	3487.937	3450-3550	PASS
	Extreme (20°C)		3452.010	3487.990	3450-3550	PASS

	Extreme (10℃)		3452.041	3487.959	3450-3550	PASS
	Extreme (0℃)		3452.029	3487.971	3450-3550	PASS
	Extreme (-10℃)		3452.021	3487.979	3450-3550	PASS
	Extreme (-20℃)		3452.043	3487.957	3450-3550	PASS
	Extreme (-30℃)		3452.071	3487.929	3450-3550	PASS
	25℃	LV	3452.057	3487.943	3450-3550	PASS
		HV	3452.067	3487.933	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3480	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3451.031	3508.969	3450-3550	PASS
	Extreme (40℃)		3451.025	3508.975	3450-3550	PASS
	Extreme (30℃)		3451.007	3508.993	3450-3550	PASS
	Extreme (20℃)		3451.018	3508.982	3450-3550	PASS
	Extreme (10℃)		3451.011	3508.989	3450-3550	PASS
	Extreme (0℃)		3451.017	3508.983	3450-3550	PASS
	Extreme (-10℃)		3451.044	3508.956	3450-3550	PASS
	Extreme (-20℃)		3451.031	3508.969	3450-3550	PASS
	Extreme (-30℃)		3451.049	3508.951	3450-3550	PASS
	25℃	LV	3451.034	3508.966	3450-3550	PASS
		HV	3451.014	3508.986	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3490	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3451.244	3528.756	3450-3550	PASS
	Extreme (40℃)		3451.209	3528.791	3450-3550	PASS
	Extreme (30℃)		3451.202	3528.798	3450-3550	PASS
	Extreme (20℃)		3451.185	3528.815	3450-3550	PASS
	Extreme (10℃)		3451.229	3528.771	3450-3550	PASS
	Extreme (0℃)		3451.228	3528.772	3450-3550	PASS
	Extreme (-10℃)		3451.170	3528.830	3450-3550	PASS
	Extreme (-20℃)		3451.234	3528.766	3450-3550	PASS
	Extreme (-30℃)		3451.198	3528.802	3450-3550	PASS
	25℃	LV	3451.197	3528.803	3450-3550	PASS
		HV	3451.198	3528.802	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

3500	BANDWIDTH	100MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3451.131	3548.869	3450-3550	PASS
	Extreme (40℃)		3451.106	3548.894	3450-3550	PASS
	Extreme (30℃)		3451.122	3548.878	3450-3550	PASS
	Extreme (20℃)		3451.126	3548.874	3450-3550	PASS
	Extreme (10℃)		3451.131	3548.869	3450-3550	PASS
	Extreme (0℃)		3451.142	3548.858	3450-3550	PASS
	Extreme (-10℃)		3451.150	3548.850	3450-3550	PASS
	Extreme (-20℃)		3451.104	3548.896	3450-3550	PASS
	Extreme (-30℃)		3451.134	3548.866	3450-3550	PASS
	25℃	LV	3451.126	3548.874	3450-3550	PASS
		HV	3451.100	3548.900	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3540	BANDWIDTH	20MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3530.871	3549.129	3450-3550	PASS
	Extreme (40℃)		3530.859	3549.141	3450-3550	PASS
	Extreme (30℃)		3530.809	3549.191	3450-3550	PASS
	Extreme (20℃)		3530.878	3549.122	3450-3550	PASS
	Extreme (10℃)		3530.868	3549.132	3450-3550	PASS
	Extreme (0℃)		3530.820	3549.180	3450-3550	PASS
	Extreme (-10℃)		3530.852	3549.148	3450-3550	PASS
	Extreme (-20℃)		3530.840	3549.160	3450-3550	PASS
	Extreme (-30℃)		3530.827	3549.173	3450-3550	PASS
	25℃	LV	3530.859	3549.141	3450-3550	PASS
		HV	3530.853	3549.147	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3535	BANDWIDTH	30MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50℃)	NV	3521.049	3548.951	3450-3550	PASS
	Extreme (40℃)		3521.021	3548.979	3450-3550	PASS
	Extreme (30℃)		3521.001	3548.999	3450-3550	PASS
	Extreme (20℃)		3521.042	3548.958	3450-3550	PASS
	Extreme (10℃)		3521.034	3548.966	3450-3550	PASS
	Extreme (0℃)		3521.038	3548.962	3450-3550	PASS
	Extreme (-10℃)		3521.007	3548.993	3450-3550	PASS

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	Extreme (-20°C)		3521.003	3548.997	3450-3550	PASS
	Extreme (-30°C)		3521.026	3548.974	3450-3550	PASS
	25°C	LV	3521.046	3548.954	3450-3550	PASS
	HV	3521.048	3548.952	3450-3550	PASS	
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3530	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3512.082	3547.918	3450-3550	PASS
	Extreme (40°C)		3512.030	3547.970	3450-3550	PASS
	Extreme (30°C)		3512.088	3547.912	3450-3550	PASS
	Extreme (20°C)		3512.028	3547.972	3450-3550	PASS
	Extreme (10°C)		3512.044	3547.956	3450-3550	PASS
	Extreme (0°C)		3512.004	3547.996	3450-3550	PASS
	Extreme (-10°C)		3512.014	3547.986	3450-3550	PASS
	Extreme (-20°C)		3512.080	3547.920	3450-3550	PASS
	Extreme (-30°C)		3512.092	3547.908	3450-3550	PASS
	25°C	LV	3512.018	3547.982	3450-3550	PASS
		HV	3512.051	3547.949	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3520	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3491.001	3548.999	3450-3550	PASS
	Extreme (40°C)		3491.016	3548.984	3450-3550	PASS
	Extreme (30°C)		3491.014	3548.986	3450-3550	PASS
	Extreme (20°C)		3491.036	3548.964	3450-3550	PASS
	Extreme (10°C)		3491.026	3548.974	3450-3550	PASS
	Extreme (0°C)		3491.034	3548.966	3450-3550	PASS
	Extreme (-10°C)		3491.000	3549.000	3450-3550	PASS
	Extreme (-20°C)		3491.008	3548.992	3450-3550	PASS
	Extreme (-30°C)		3491.007	3548.993	3450-3550	PASS
	25°C	LV	3491.041	3548.959	3450-3550	PASS
		HV	3491.047	3548.953	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3510	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			

	Extreme (50°C)	NV	3471.168	3548.832	3450-3550	PASS
	Extreme (40°C)		3471.196	3548.804	3450-3550	PASS
	Extreme (30°C)		3471.233	3548.767	3450-3550	PASS
	Extreme (20°C)		3471.156	3548.844	3450-3550	PASS
	Extreme (10°C)		3471.214	3548.786	3450-3550	PASS
	Extreme (0°C)		3471.162	3548.838	3450-3550	PASS
	Extreme (-10°C)		3471.216	3548.784	3450-3550	PASS
	Extreme (-20°C)		3471.211	3548.789	3450-3550	PASS
	Extreme (-30°C)		3471.161	3548.839	3450-3550	PASS
	25°C	LV	3471.163	3548.837	3450-3550	PASS
		HV	3471.225	3548.775	3450-3550	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3710	BANDWIDTH	20MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3700.977	3719.023	3700-3800	PASS
	Extreme (40°C)		3700.965	3719.035	3700-3800	PASS
	Extreme (30°C)		3700.999	3719.001	3700-3800	PASS
	Extreme (20°C)		3701.005	3718.995	3700-3800	PASS
	Extreme (10°C)		3700.994	3719.006	3700-3800	PASS
	Extreme (0°C)		3701.009	3718.991	3700-3800	PASS
	Extreme (-10°C)		3701.004	3718.996	3700-3800	PASS
	Extreme (-20°C)		3701.006	3718.994	3700-3800	PASS
	Extreme (-30°C)		3700.996	3719.004	3700-3800	PASS
	25°C	LV	3700.985	3719.015	3700-3800	PASS
		HV	3700.991	3719.009	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3715	BANDWIDTH	30MHz	DFT-QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	3701.491	3728.509	3700-3800	PASS
	Extreme (40°C)		3701.480	3728.520	3700-3800	PASS
	Extreme (30°C)		3701.499	3728.501	3700-3800	PASS
	Extreme (20°C)		3701.497	3728.503	3700-3800	PASS
	Extreme (10°C)		3701.484	3728.516	3700-3800	PASS
	Extreme (0°C)		3701.501	3728.499	3700-3800	PASS
	Extreme (-10°C)		3701.477	3728.523	3700-3800	PASS
	Extreme (-20°C)		3701.464	3728.536	3700-3800	PASS
	Extreme (-30°C)		3701.495	3728.505	3700-3800	PASS
	25°C	LV	3701.464	3728.536	3700-3800	PASS

		HV	3701.482	3728.518	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3720	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3702.021	3737.979	3700-3800	PASS
	Extreme (40°C)		3702.001	3737.999	3700-3800	PASS
	Extreme (30°C)		3702.094	3737.906	3700-3800	PASS
	Extreme (20°C)		3702.017	3737.983	3700-3800	PASS
	Extreme (10°C)		3702.085	3737.915	3700-3800	PASS
	Extreme (0°C)		3702.008	3737.992	3700-3800	PASS
	Extreme (-10°C)		3702.099	3737.901	3700-3800	PASS
	Extreme (-20°C)		3702.079	3737.921	3700-3800	PASS
	Extreme (-30°C)		3702.014	3737.986	3700-3800	PASS
	25°C	LV	3702.069	3737.931	3700-3800	PASS
		HV	3702.045	3737.955	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3730	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3700.922	3759.078	3700-3800	PASS
	Extreme (40°C)		3700.870	3759.130	3700-3800	PASS
	Extreme (30°C)		3700.944	3759.056	3700-3800	PASS
	Extreme (20°C)		3700.924	3759.076	3700-3800	PASS
	Extreme (10°C)		3701.045	3758.955	3700-3800	PASS
	Extreme (0°C)		3700.899	3759.101	3700-3800	PASS
	Extreme (-10°C)		3701.046	3758.954	3700-3800	PASS
	Extreme (-20°C)		3700.994	3759.006	3700-3800	PASS
	Extreme (-30°C)		3700.933	3759.067	3700-3800	PASS
	25°C	LV	3700.852	3759.148	3700-3800	PASS
		HV	3700.933	3759.067	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3740	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3701.398	3778.602	3700-3800	PASS
	Extreme (40°C)		3701.387	3778.613	3700-3800	PASS
	Extreme (30°C)		3701.345	3778.655	3700-3800	PASS

	Extreme (20°C)		3701.380	3778.620	3700-3800	PASS
	Extreme (10°C)		3701.393	3778.607	3700-3800	PASS
	Extreme (0°C)		3701.385	3778.615	3700-3800	PASS
	Extreme (-10°C)		3701.357	3778.643	3700-3800	PASS
	Extreme (-20°C)		3701.327	3778.673	3700-3800	PASS
	Extreme (-30°C)		3701.369	3778.631	3700-3800	PASS
	25°C	LV	3701.360	3778.640	3700-3800	PASS
		HV	3701.375	3778.625	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3750	BANDWIDTH	100MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3701.695	3798.305	3700-3800	PASS
	Extreme (40°C)		3701.656	3798.344	3700-3800	PASS
	Extreme (30°C)		3701.727	3798.273	3700-3800	PASS
	Extreme (20°C)		3701.748	3798.252	3700-3800	PASS
	Extreme (10°C)		3701.676	3798.324	3700-3800	PASS
	Extreme (0°C)		3701.750	3798.250	3700-3800	PASS
	Extreme (-10°C)		3701.697	3798.303	3700-3800	PASS
	Extreme (-20°C)		3701.713	3798.287	3700-3800	PASS
	Extreme (-30°C)		3701.655	3798.345	3700-3800	PASS
	25°C	LV	3701.726	3798.274	3700-3800	PASS
		HV	3701.743	3798.257	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3790	BANDWIDTH	20MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	3780.987	3799.013	3700-3800	PASS
	Extreme (40°C)		3781.001	3798.999	3700-3800	PASS
	Extreme (30°C)		3780.969	3799.031	3700-3800	PASS
	Extreme (20°C)		3780.991	3799.009	3700-3800	PASS
	Extreme (10°C)		3781.027	3798.973	3700-3800	PASS
	Extreme (0°C)		3781.011	3798.989	3700-3800	PASS
	Extreme (-10°C)		3780.978	3799.022	3700-3800	PASS
	Extreme (-20°C)		3780.981	3799.019	3700-3800	PASS
	Extreme (-30°C)		3781.007	3798.993	3700-3800	PASS
	25°C	LV	3781.008	3798.992	3700-3800	PASS
		HV	3781.020	3798.980	3700-3800	PASS
NR N78	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
3785	BANDWIDTH	30MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3771.462	3798.538	3700-3800	PASS
	Extreme (40°C)		3771.499	3798.501	3700-3800	PASS
	Extreme (30°C)		3771.495	3798.505	3700-3800	PASS
	Extreme (20°C)		3771.466	3798.534	3700-3800	PASS
	Extreme (10°C)		3771.488	3798.512	3700-3800	PASS
	Extreme (0°C)		3771.501	3798.499	3700-3800	PASS
	Extreme (-10°C)		3771.463	3798.537	3700-3800	PASS
	Extreme (-20°C)		3771.473	3798.527	3700-3800	PASS
	Extreme (-30°C)		3771.497	3798.503	3700-3800	PASS
	25°C	LV	3771.509	3798.491	3700-3800	PASS
		HV	3771.489	3798.511	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3780	BANDWIDTH	40MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3762.085	3797.915	3700-3800	PASS
	Extreme (40°C)		3762.020	3797.980	3700-3800	PASS
	Extreme (30°C)		3762.065	3797.935	3700-3800	PASS
	Extreme (20°C)		3762.042	3797.958	3700-3800	PASS
	Extreme (10°C)		3762.068	3797.932	3700-3800	PASS
	Extreme (0°C)		3762.029	3797.971	3700-3800	PASS
	Extreme (-10°C)		3762.008	3797.992	3700-3800	PASS
	Extreme (-20°C)		3762.052	3797.948	3700-3800	PASS
	Extreme (-30°C)		3762.072	3797.928	3700-3800	PASS
	25°C	LV	3762.027	3797.973	3700-3800	PASS
		HV	3762.063	3797.937	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3770	BANDWIDTH	60MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3740.978	3799.022	3700-3800	PASS
	Extreme (40°C)		3741.031	3798.969	3700-3800	PASS
	Extreme (30°C)		3740.862	3799.138	3700-3800	PASS
	Extreme (20°C)		3740.874	3799.126	3700-3800	PASS
	Extreme (10°C)		3740.960	3799.040	3700-3800	PASS
	Extreme (0°C)		3740.956	3799.044	3700-3800	PASS

	Extreme (-10°C)		3740.988	3799.012	3700-3800	PASS
	Extreme (-20°C)		3740.959	3799.041	3700-3800	PASS
	Extreme (-30°C)		3740.862	3799.138	3700-3800	PASS
	25°C	LV	3741.041	3798.959	3700-3800	PASS
		HV	3740.893	3799.107	3700-3800	PASS
NR N78 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
3760	BANDWIDTH	80MHz				
	Temperature	Voltage	DFT-QPSK			
	Extreme (50°C)	NV	3721.323	3798.677	3700-3800	PASS
	Extreme (40°C)		3721.347	3798.653	3700-3800	PASS
	Extreme (30°C)		3721.366	3798.634	3700-3800	PASS
	Extreme (20°C)		3721.327	3798.673	3700-3800	PASS
	Extreme (10°C)		3721.321	3798.679	3700-3800	PASS
	Extreme (0°C)		3721.325	3798.675	3700-3800	PASS
	Extreme (-10°C)		3721.365	3798.635	3700-3800	PASS
	Extreme (-20°C)		3721.369	3798.631	3700-3800	PASS
	Extreme (-30°C)		3721.375	3798.625	3700-3800	PASS
	25°C	LV	3721.391	3798.609	3700-3800	PASS
		HV	3721.334	3798.666	3700-3800	PASS