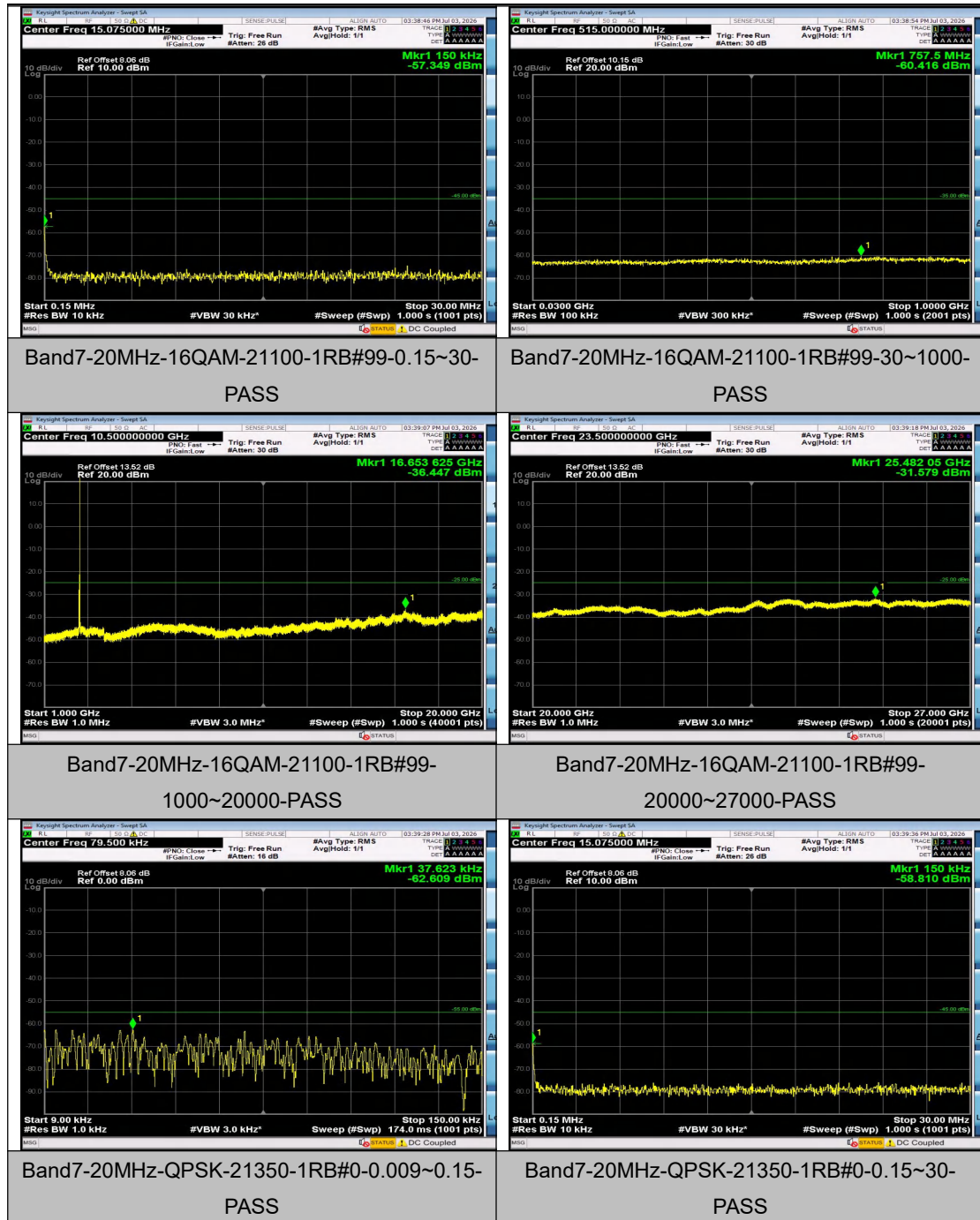




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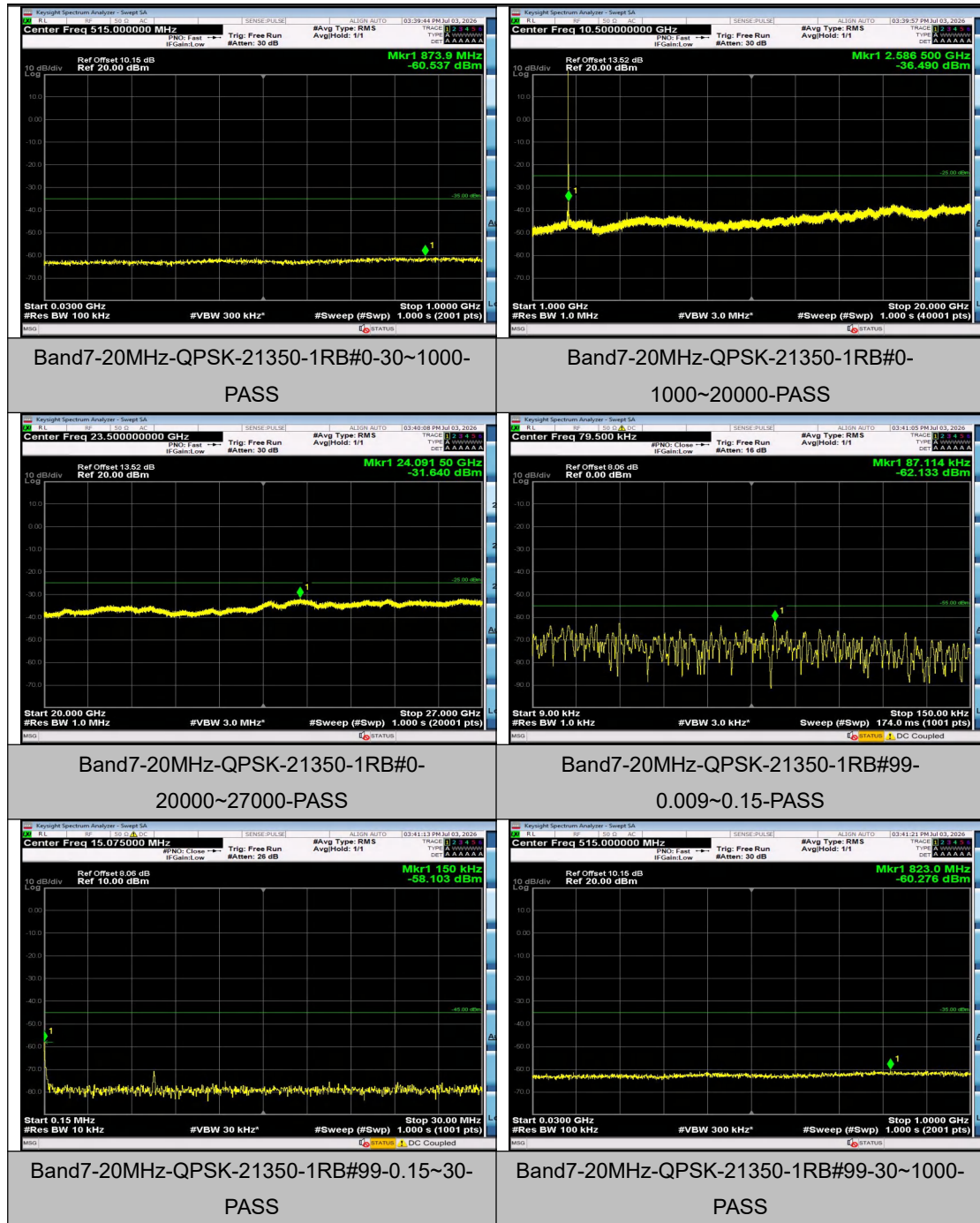




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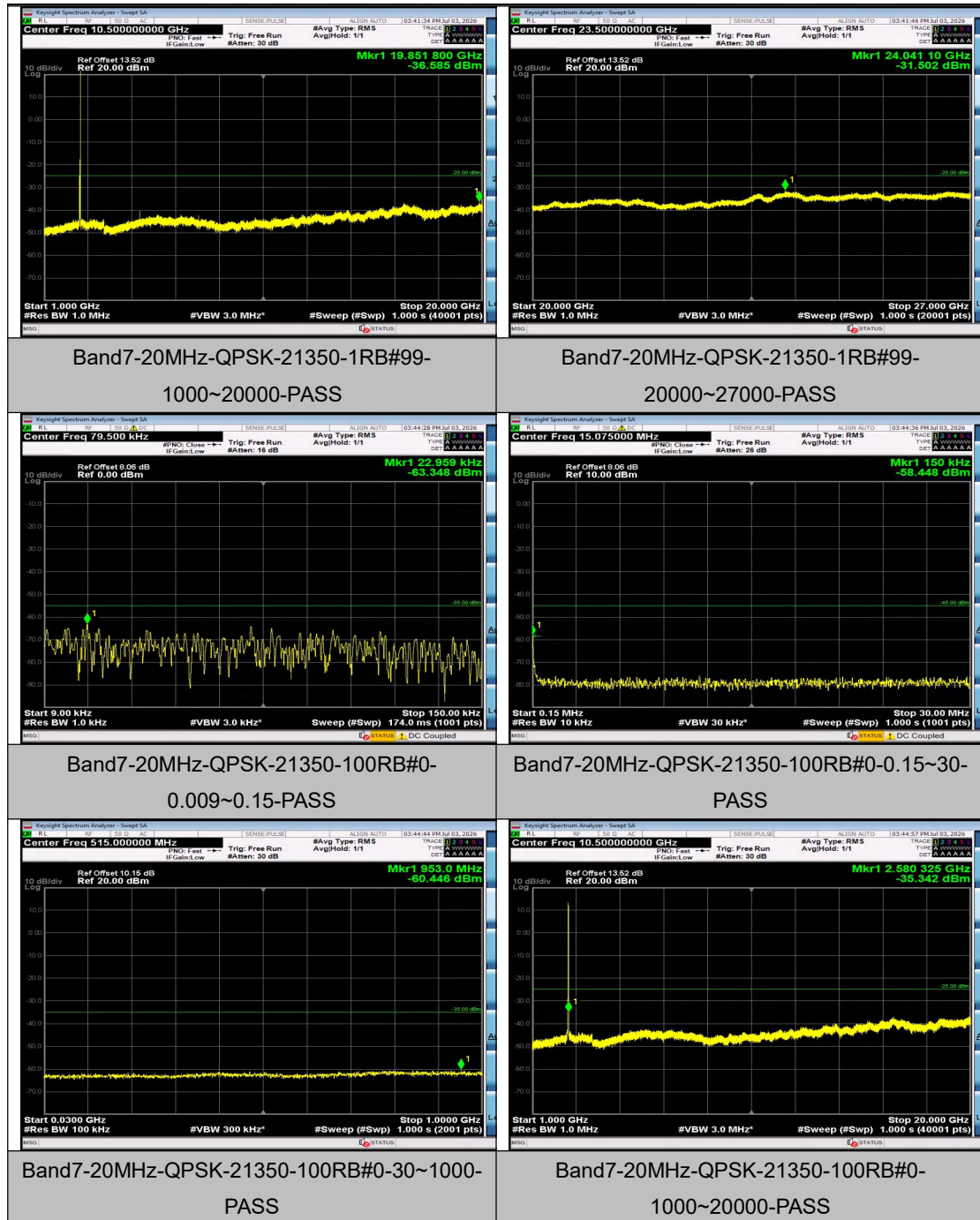




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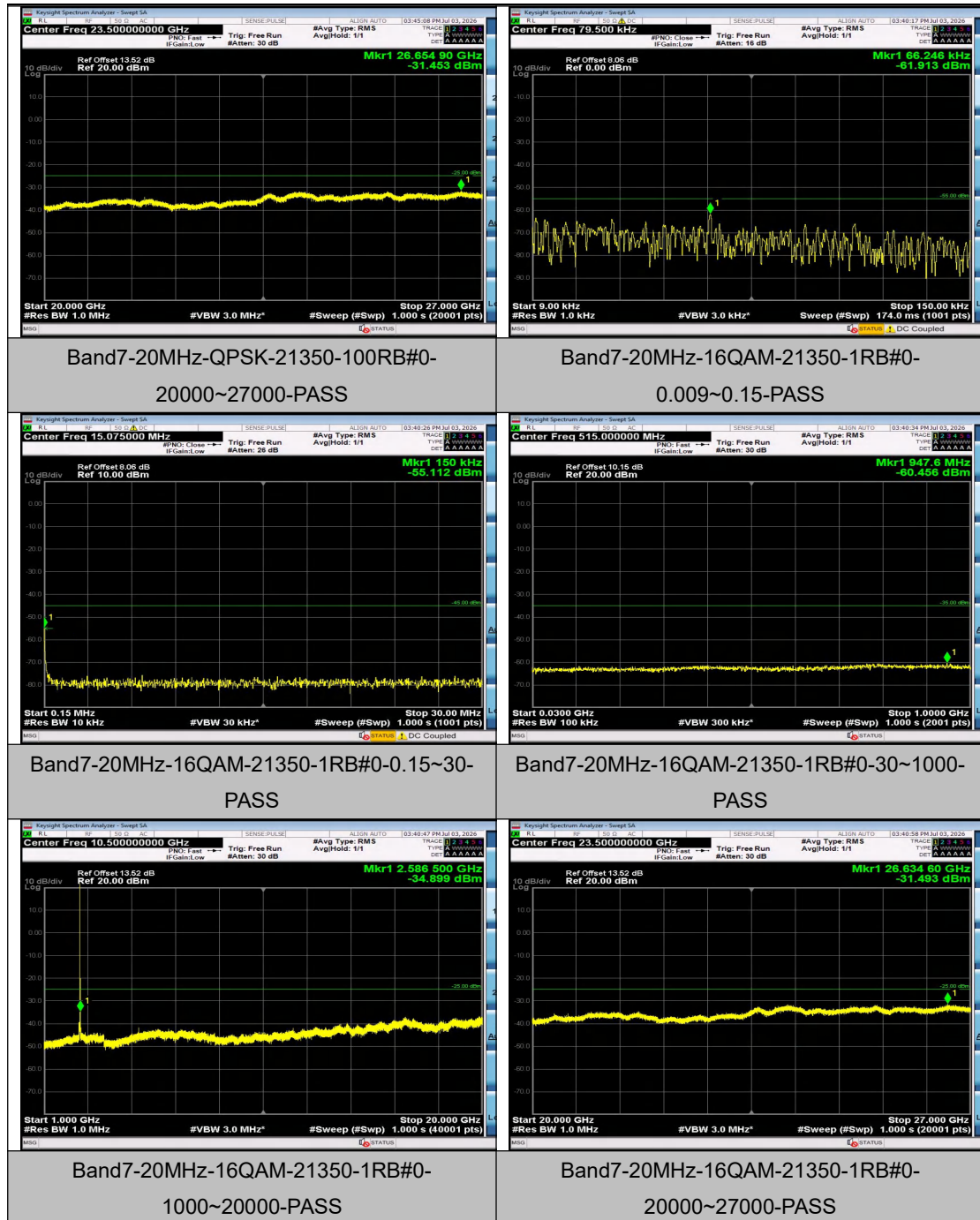




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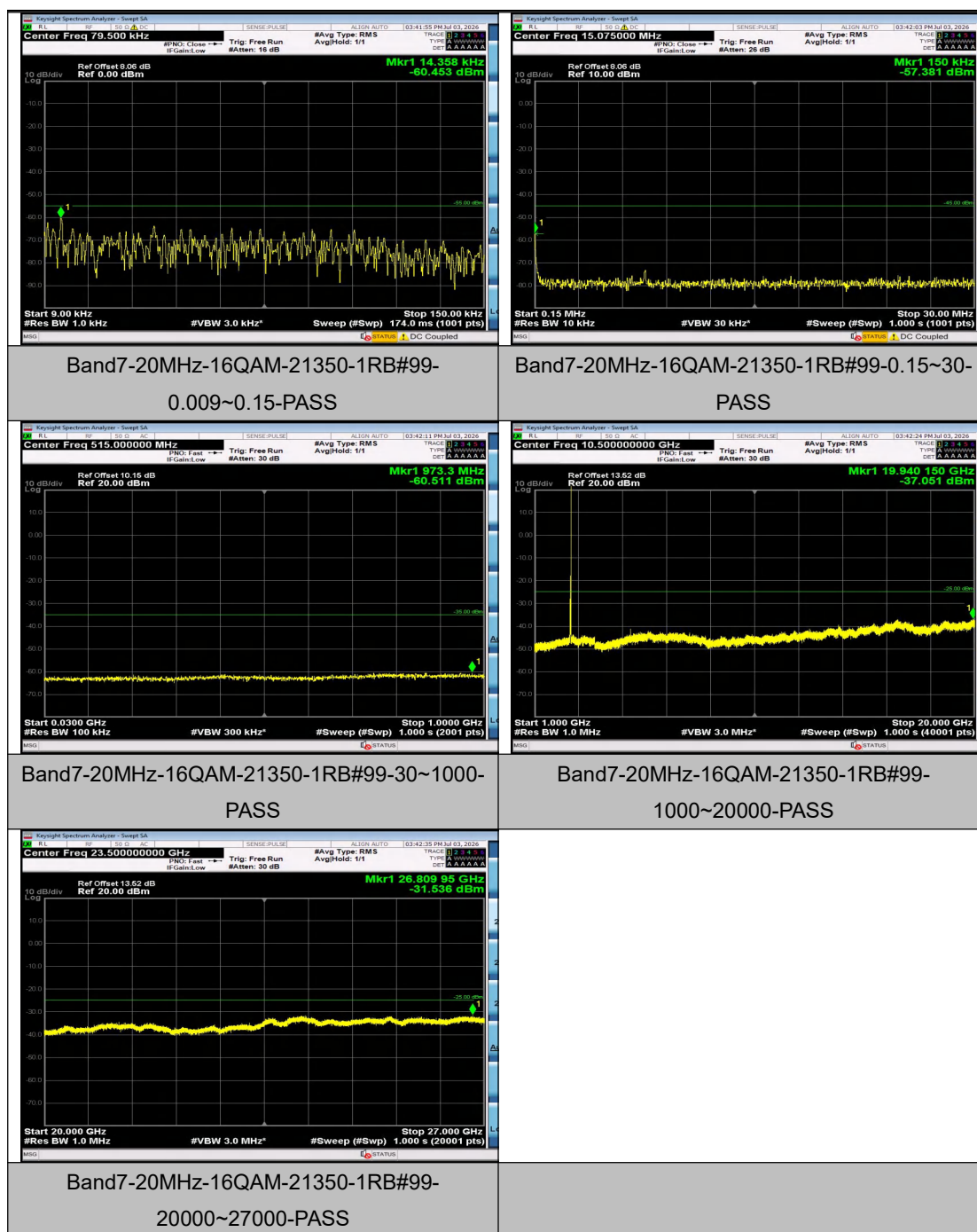




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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-1660.00	-0.663337	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	1890.00	0.755245	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-1660.00	-0.663337	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	5690.00	2.273726	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	2780.00	1.110889	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	5080.00	2.029970	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-100.00	-0.039448	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-980.00	-0.386588	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-1980.00	-0.781065	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	1130.00	0.445759	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	2550.00	1.005917	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	2290.00	0.903353	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	5070.00	1.974684	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	5000.00	1.947420	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	4950.00	1.927945	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	6310.00	2.457644	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	7260.00	2.827653	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	8430.00	3.283350	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-7070.00	-2.822355	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-8710.00	-3.477046	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-7960.00	-3.177645	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	2880.00	1.136095	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	3900.00	1.538462	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	1010.00	0.398422	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	7740.00	3.017544	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	7990.00	3.115010	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	9510.00	3.707602	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	3970.00	1.583250	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	4180.00	1.666999	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	2490.00	0.993021	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	4470.00	1.763314	±NA	PASS



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Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-1060.00	-0.418146	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	2890.00	1.140039	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	1740.00	0.679024	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	2040.00	0.796098	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	1480.00	0.577561	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	670.00	0.266932	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	4820.00	1.920319	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	5140.00	2.047809	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-540.00	-0.213018	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	11680.00	4.607495	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	5080.00	2.003945	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-4900.00	-1.914063	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-11640.00	-4.546875	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-90.00	-0.035156	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-1180.00	-0.471528	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-560.00	-0.223776	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	-1870.00	-0.747253	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	1360.00	0.543457	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-2450.00	-0.979021	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	130.00	0.051948	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	-570.00	-0.227772	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	-240.00	-0.095904	±NA	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	-3490.00	-1.394605	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	3870.00	1.546454	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	5920.00	2.365634	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	7220.00	2.885115	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	5530.00	2.209790	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	3890.00	1.554446	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	5960.00	2.381618	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	5380.00	2.149850	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	7070.00	2.825175	±NA	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	4990.00	1.994006	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-1210.00	-0.477318	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	1690.00	0.666667	±NA	PASS



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Band7	5MHz	QPSK	21100	25RB#0	NV	-10	-490.00	-0.193294	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	10.00	0.003945	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-1360.00	-0.536489	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	480.00	0.189349	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	-1710.00	-0.674556	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	-1440.00	-0.568047	±NA	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	-860.00	-0.339250	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	2610.00	1.029586	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	2190.00	0.863905	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	2110.00	0.832347	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	1510.00	0.595661	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	410.00	0.161736	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	1690.00	0.666667	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	1190.00	0.469428	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	2030.00	0.800789	±NA	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	2990.00	1.179487	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	5220.00	2.033106	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	6610.00	2.574489	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	5220.00	2.033106	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	5430.00	2.114898	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	6260.00	2.438169	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	5300.00	2.064265	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	6560.00	2.555015	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	5940.00	2.313535	±NA	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	4890.00	1.904576	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	6160.00	2.399221	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	6560.00	2.555015	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	7100.00	2.765336	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	6120.00	2.383642	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	6490.00	2.527751	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	6810.00	2.652386	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	6540.00	2.547225	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	7750.00	3.018500	±NA	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	6740.00	2.625122	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-5940.00	-2.371257	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-3880.00	-1.548902	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-7050.00	-2.814371	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-7110.00	-2.838323	±NA	PASS



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Band7	10MHz	QPSK	20800	50RB#0	NV	10	-3980.00	-1.588822	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-7560.00	-3.017964	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	-3540.00	-1.413174	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	-6550.00	-2.614770	±NA	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	-7520.00	-3.001996	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	3060.00	1.207101	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-1200.00	-0.473373	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	5000.00	1.972387	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	210.00	0.082840	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	4960.00	1.956607	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	3150.00	1.242604	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	3560.00	1.404339	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	570.00	0.224852	±NA	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	4860.00	1.917160	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	10440.00	4.070175	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	10020.00	3.906433	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	6640.00	2.588694	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	6680.00	2.604288	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	7520.00	2.931774	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	5640.00	2.198830	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	6960.00	2.713450	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	7070.00	2.756335	±NA	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	6790.00	2.647173	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	330.00	0.131605	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	290.00	0.115653	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	5210.00	2.077767	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-1780.00	-0.709870	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	3940.00	1.571286	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	2970.00	1.184447	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	4610.00	1.838485	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	4280.00	1.706879	±NA	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	5670.00	2.261216	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	370.00	0.145957	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	5420.00	2.138067	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	4290.00	1.692308	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	1430.00	0.564103	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	6710.00	2.646943	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	630.00	0.248521	±NA	PASS



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Band7	15MHz	QPSK	21100	75RB#0	NV	30	-330.00	-0.130178	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	670.00	0.264300	±NA	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	4070.00	1.605523	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	4820.00	1.880976	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-1620.00	-0.632195	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	2540.00	0.991220	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	2150.00	0.839024	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	2340.00	0.913171	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	4940.00	1.927805	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	1590.00	0.620488	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	3510.00	1.369756	±NA	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	4460.00	1.740488	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	5650.00	2.250996	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-1150.00	-0.458167	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	1320.00	0.525896	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-6220.00	-2.478088	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	1780.00	0.709163	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-750.00	-0.298805	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-890.00	-0.354582	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-1410.00	-0.561753	±NA	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-4320.00	-1.721116	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	5400.00	2.130178	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	3420.00	1.349112	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	5260.00	2.074951	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	13780.00	5.435897	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	6390.00	2.520710	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	14820.00	5.846154	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	11260.00	4.441815	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	19290.00	7.609467	±NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	1400.00	0.552268	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-6440.00	-2.515625	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	5410.00	2.113281	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-6220.00	-2.429688	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-8390.00	-3.277344	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-6280.00	-2.453125	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-11610.00	-4.535156	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-5350.00	-2.089844	±NA	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-8620.00	-3.367188	±NA	PASS



Shenzhen GUOREN Certification Technology Service Co., Ltd.

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No.:GRCTR260602018-04

Band7	20MHz	QPSK	21350	100RB#0	NV	50	-3390.00	-1.324219	±NA	PASS
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