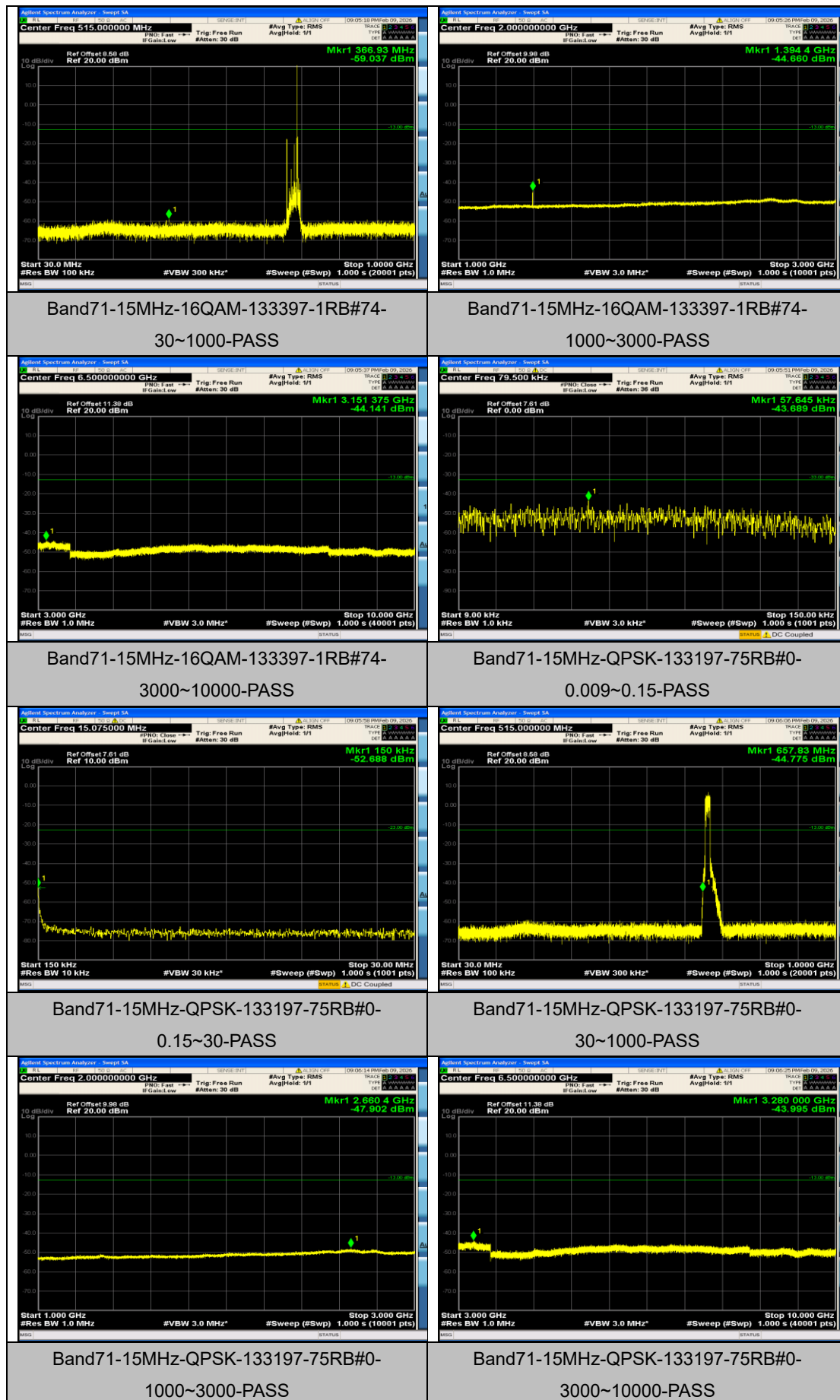
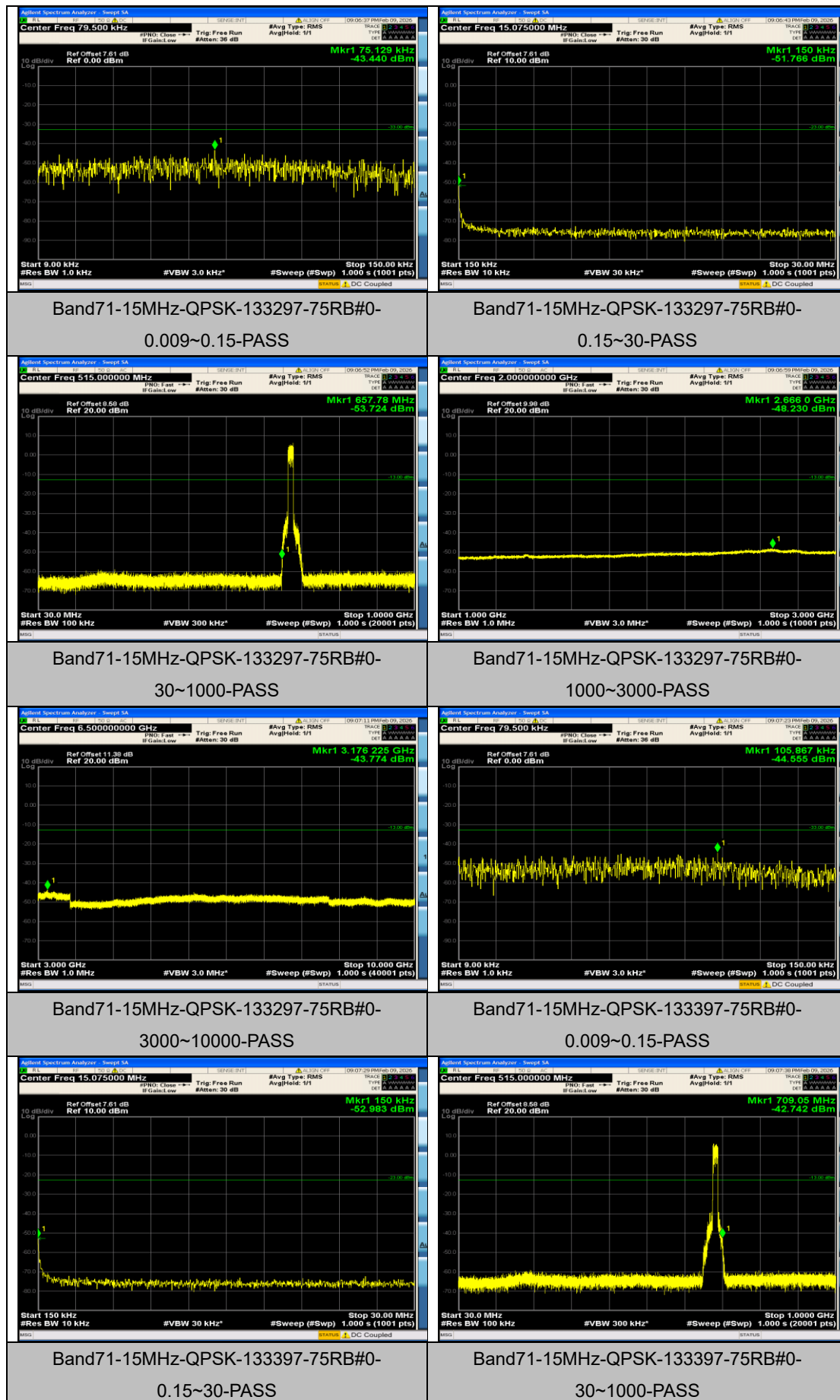
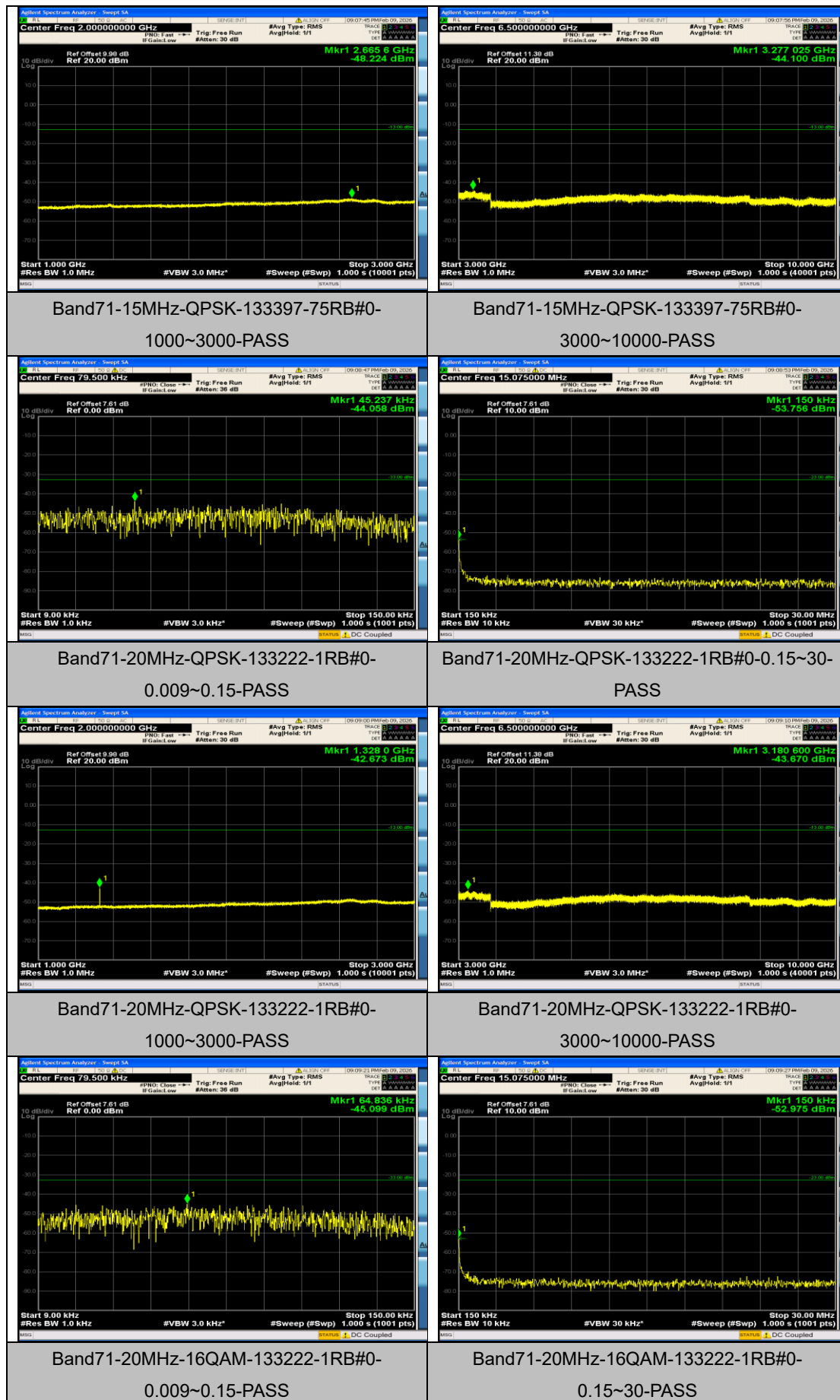
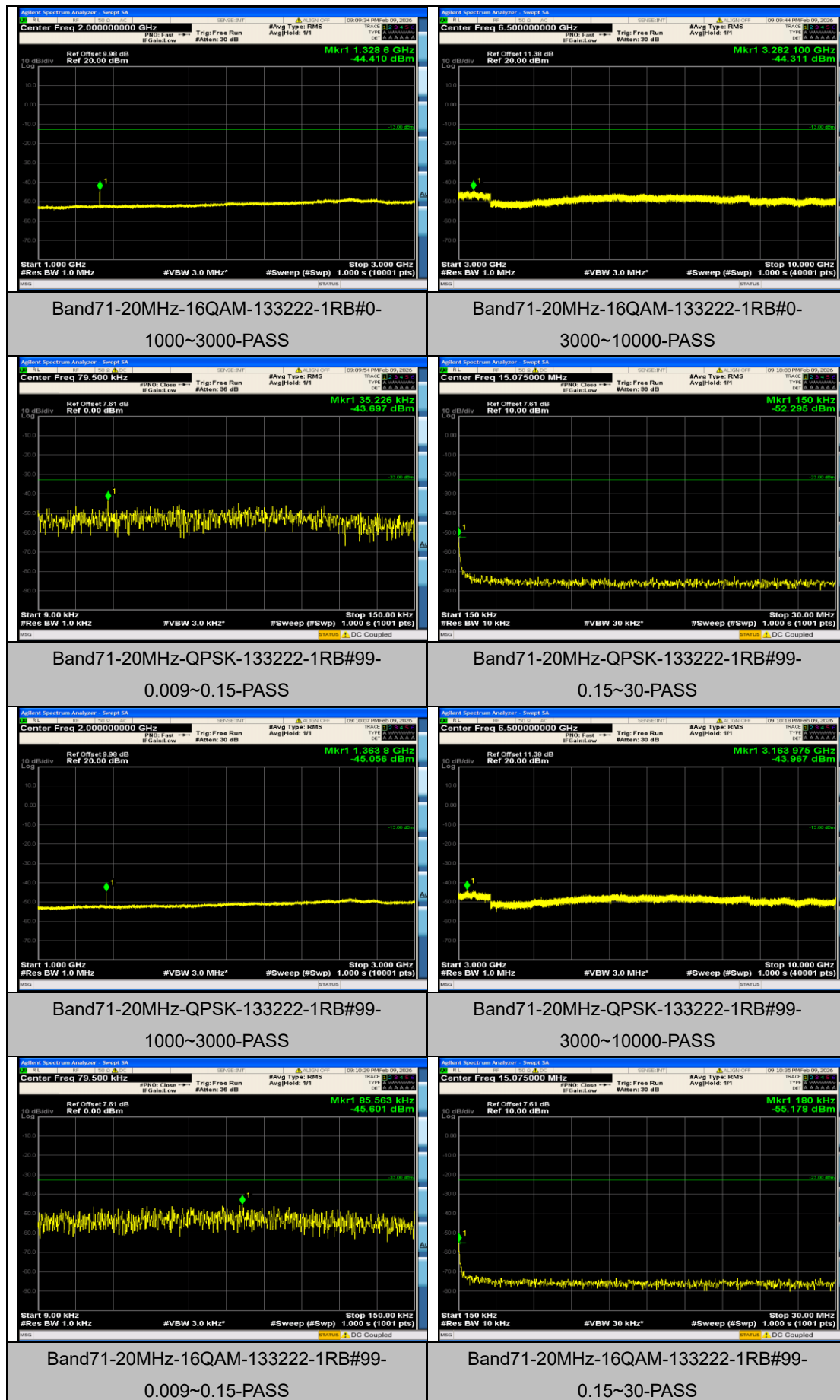
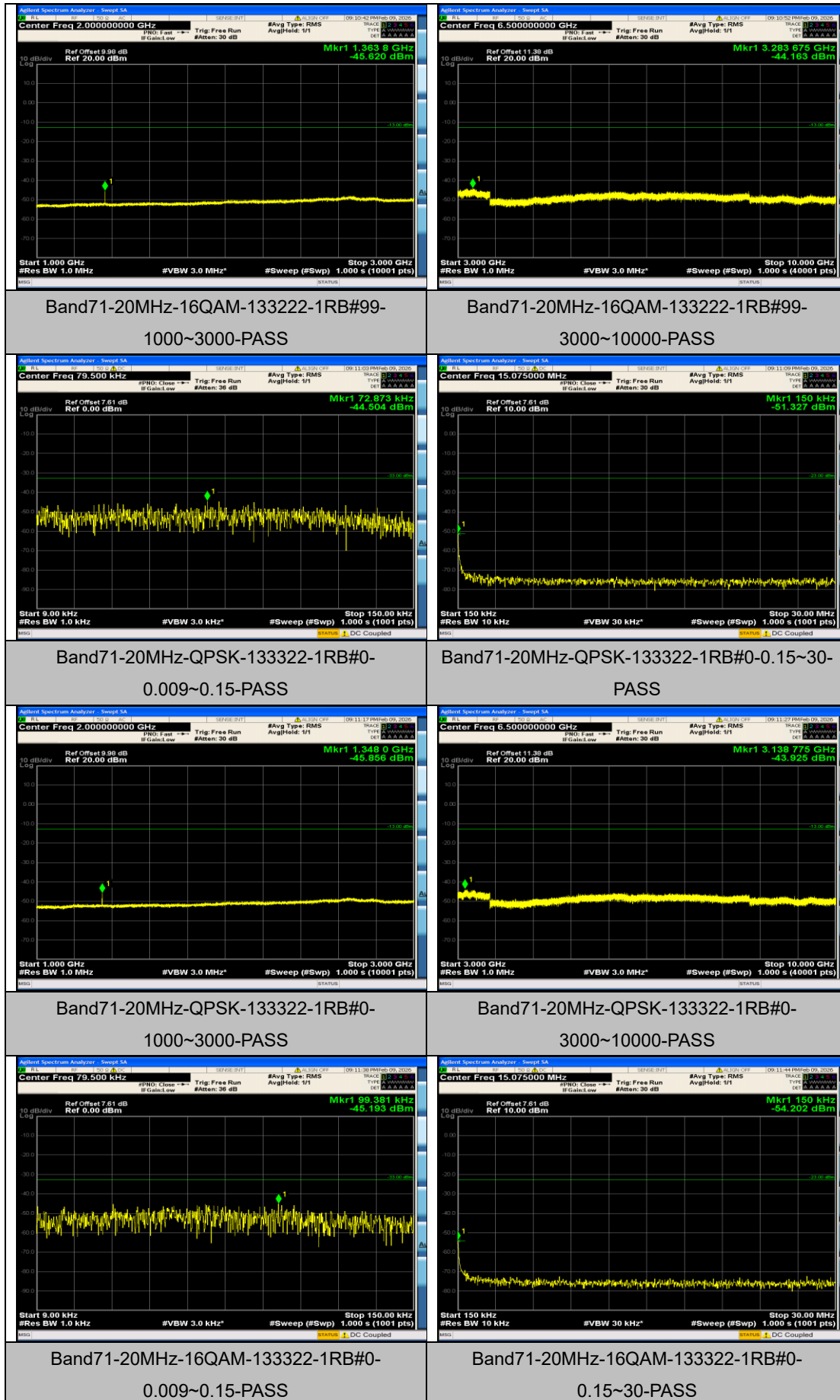


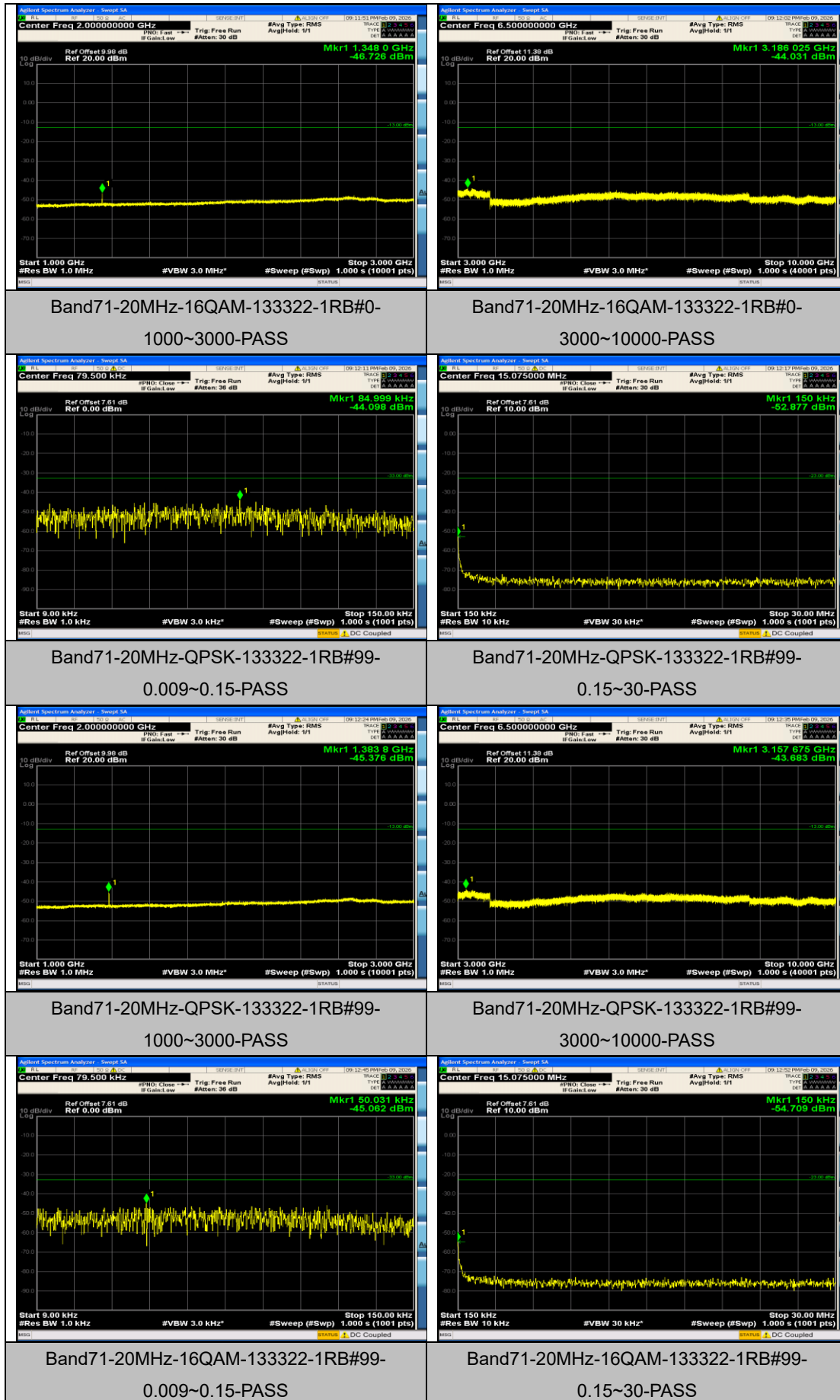


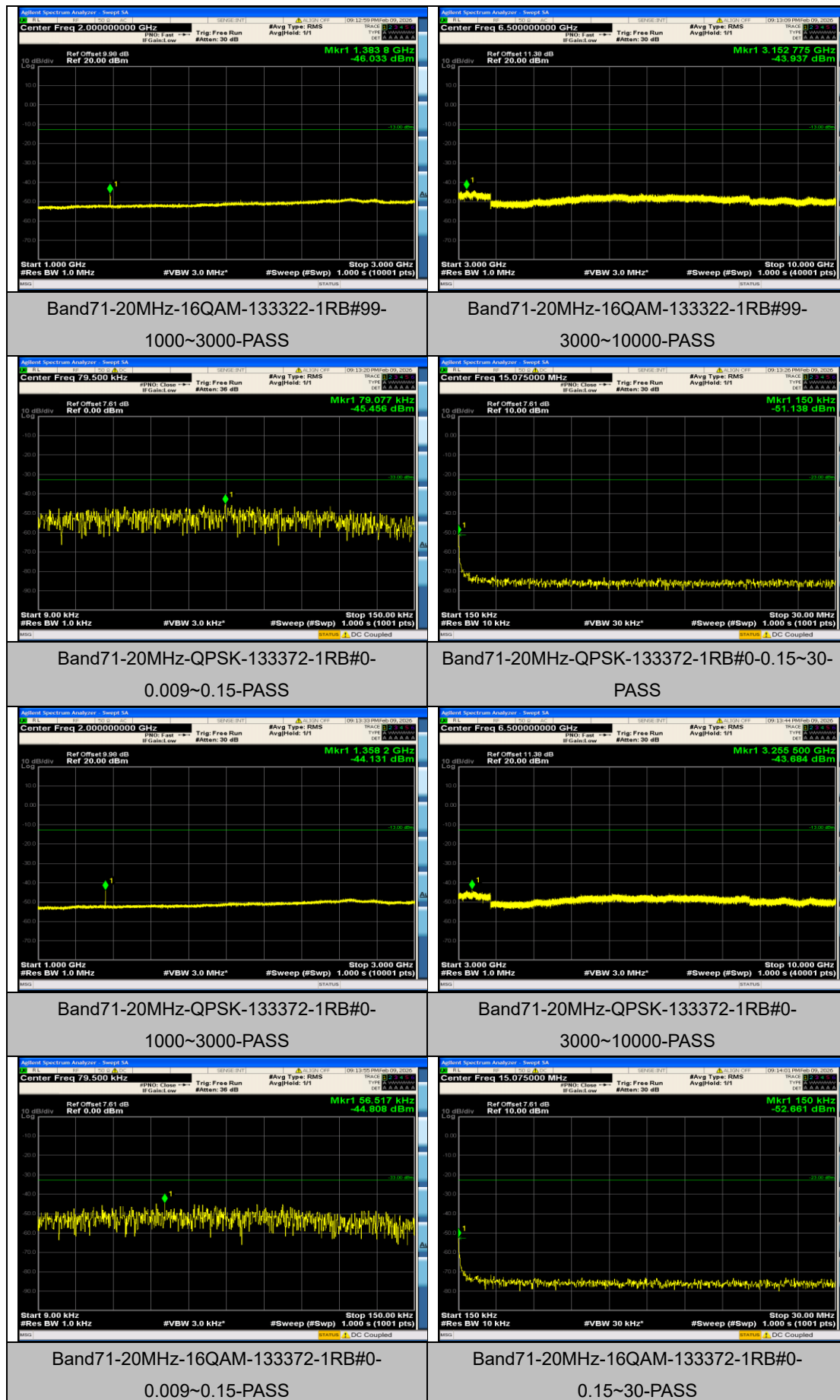


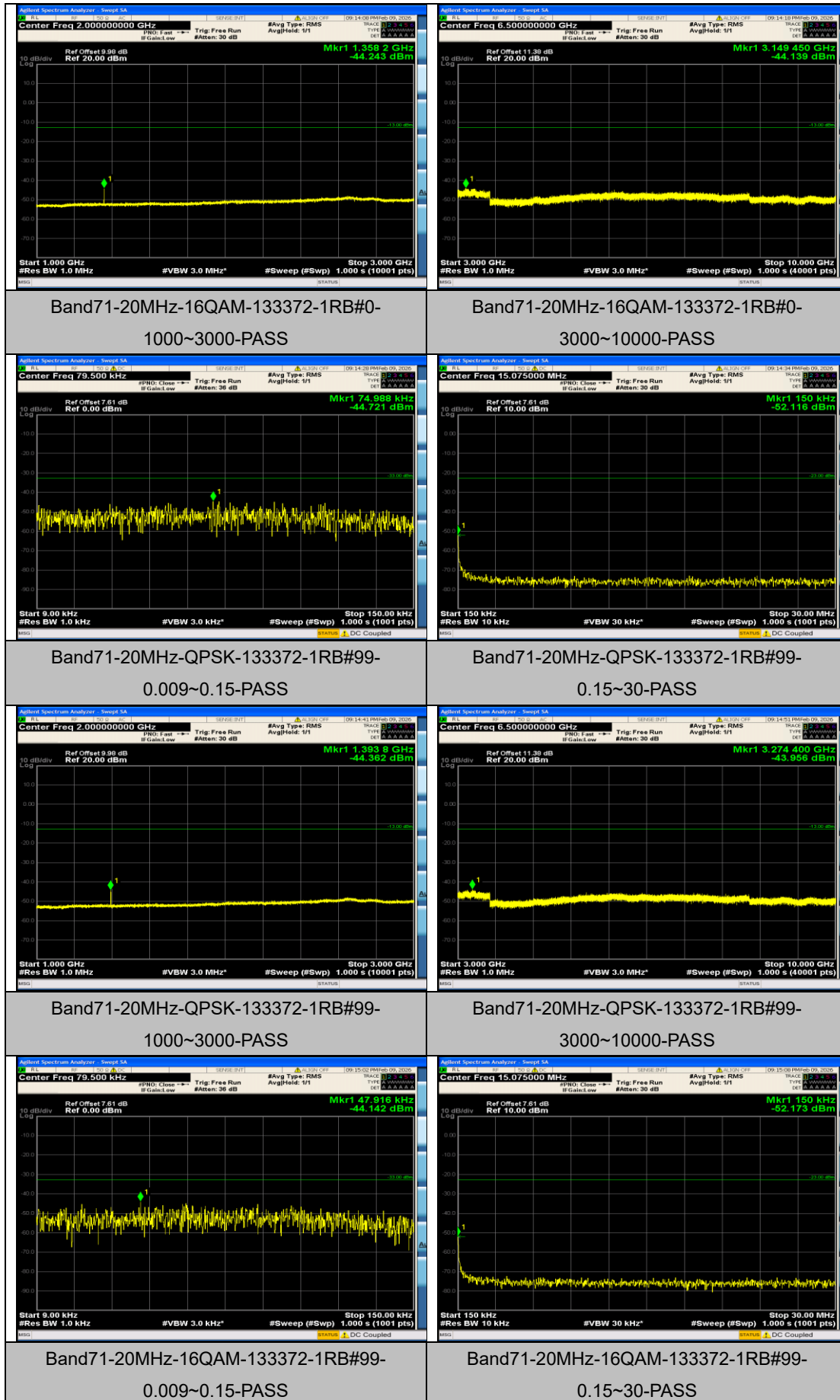


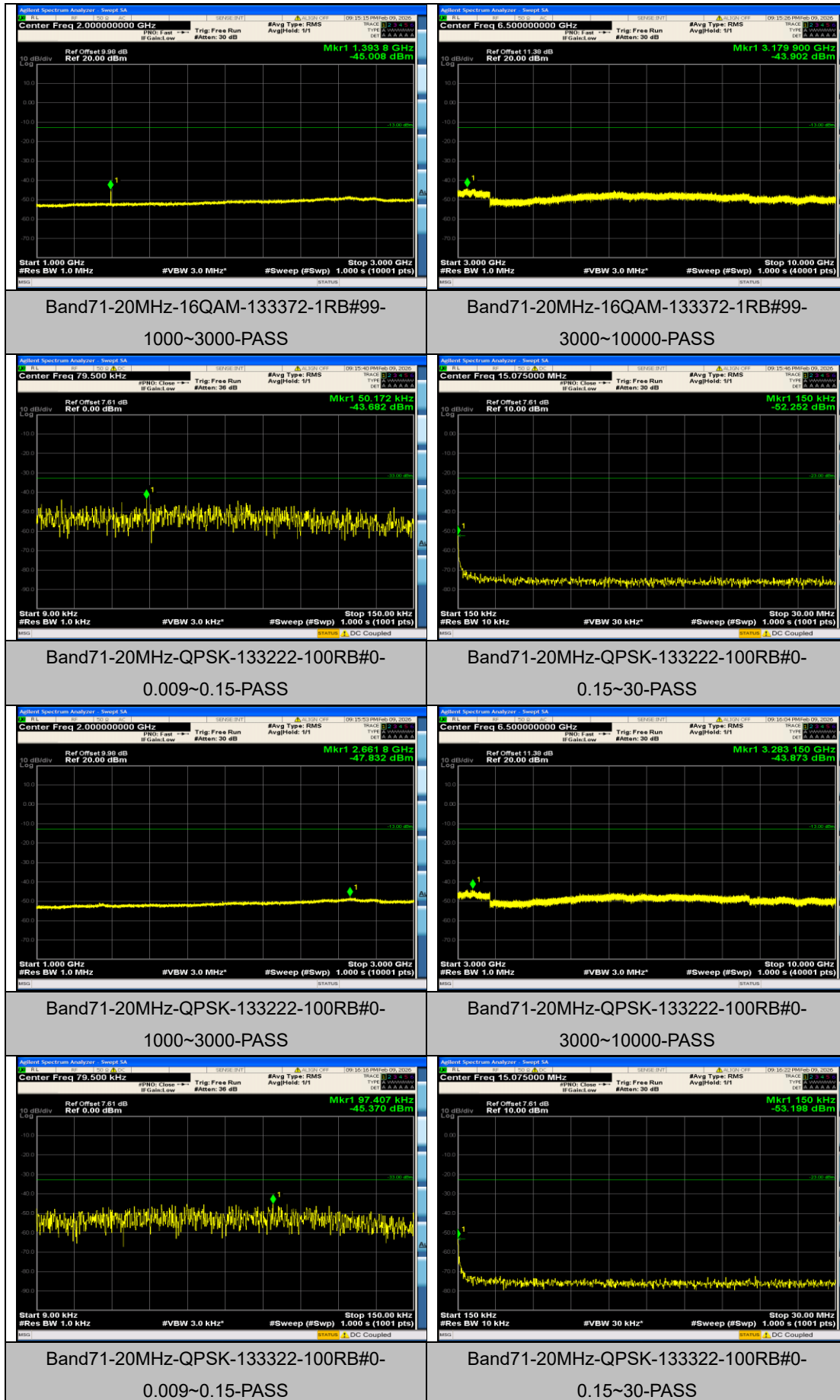


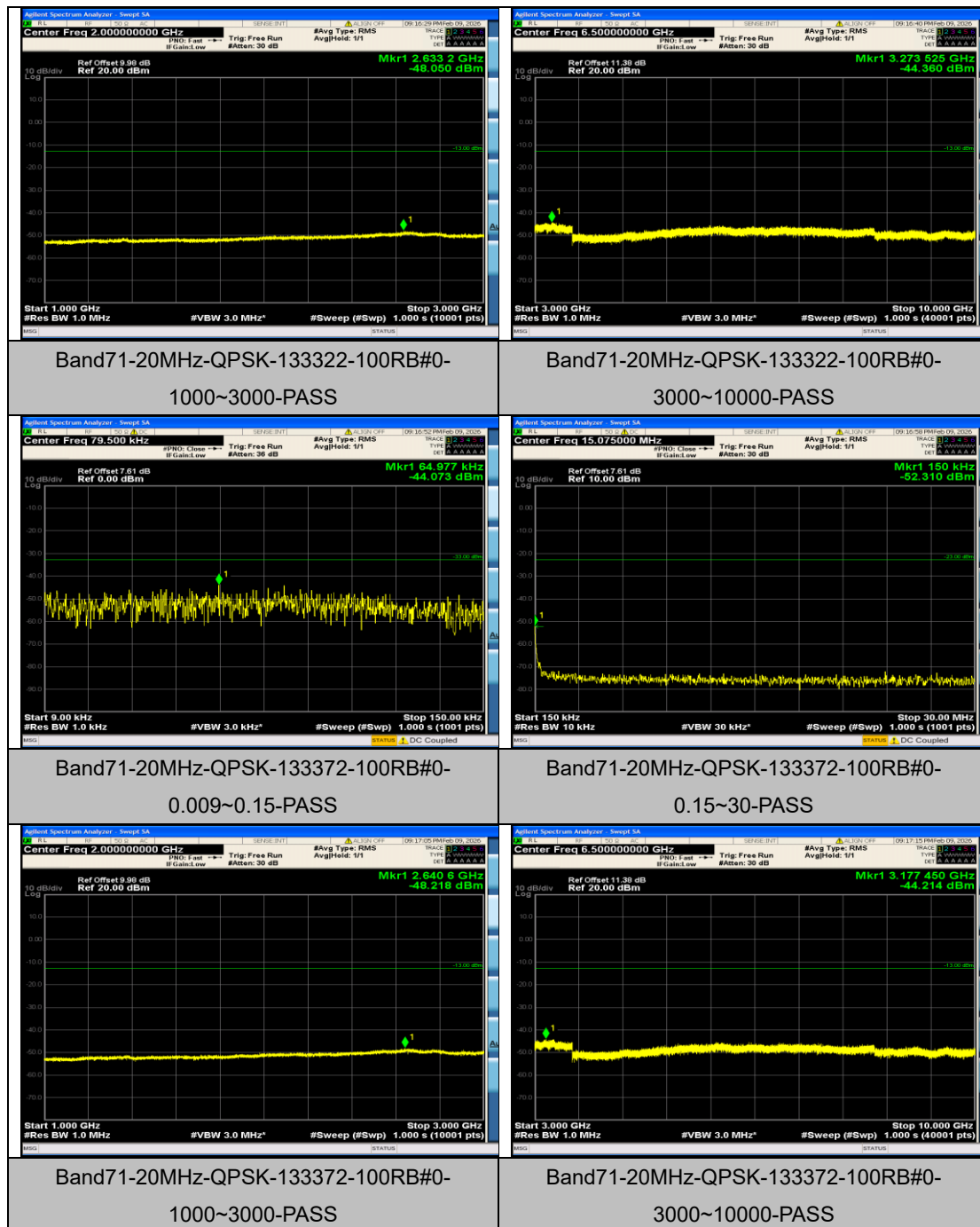












Appendix E: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	NV	-30	790.00	1.187077	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	-20	-1960.00	-2.945154	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	-10	-740.00	-1.111946	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	0	-2290.00	-3.441022	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	10	-1440.00	-2.163787	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	20	400.00	0.601052	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	30	1840.00	2.764838	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	40	-160.00	-0.240421	±NA	PASS
Band71	5MHz	QPSK	133147	25RB#0	NV	50	1190.00	1.788129	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	-30	5440.00	8.174305	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	-20	6260.00	9.406461	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	-10	7410.00	11.134485	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	0	3740.00	5.619835	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	10	5450.00	8.189331	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	20	1800.00	2.704733	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	30	4320.00	6.491360	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	40	2060.00	3.095417	±NA	PASS
Band71	5MHz	16QAM	133147	25RB#0	NV	50	3300.00	4.958678	±NA	PASS
Band71	5MHz	QPSK	13329	25RB#0	NV	-30	-2070.00	-3.041881	±NA	PASS

			7							
Band71	5MHz	QPSK	13329 7	25RB#0	NV	-20	-1850.00	-2.718589	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	-10	-2020.00	-2.968406	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	0	-1380.00	-2.027921	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	10	-2650.00	-3.894195	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	20	-1000.00	-1.469508	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	30	-3850.00	-5.657605	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	40	-1550.00	-2.277737	±NA	PASS
Band71	5MHz	QPSK	13329 7	25RB#0	NV	50	-1070.00	-1.572373	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	-30	1120.00	1.645849	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	-20	430.00	0.631888	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	-10	310.00	0.455547	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	0	1930.00	2.836150	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	10	750.00	1.102131	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	20	-570.00	-0.837619	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	30	-870.00	-1.278472	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	40	390.00	0.573108	±NA	PASS
Band71	5MHz	16QAM	13329 7	25RB#0	NV	50	-100.00	-0.146951	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	-30	3230.00	4.644141	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	-20	2450.00	3.522646	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	-10	2730.00	3.925234	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	0	770.00	1.107117	±NA	PASS

Band71	5MHz	QPSK	13344 7	25RB#0	NV	10	1170.00	1.682243	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	20	880.00	1.265277	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	30	1830.00	2.631201	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	40	1620.00	2.329260	±NA	PASS
Band71	5MHz	QPSK	13344 7	25RB#0	NV	50	2660.00	3.824587	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	-30	2810.00	4.040259	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	-20	3170.00	4.557872	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	-10	2250.00	3.235083	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	0	3520.00	5.061107	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	10	4560.00	6.556434	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	20	3110.00	4.471603	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	30	2000.00	2.875629	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	40	2790.00	4.011503	±NA	PASS
Band71	5MHz	16QAM	13344 7	25RB#0	NV	50	2290.00	3.292595	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-30	10280.00	15.389222	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-20	10970.00	16.422156	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	-10	10560.00	15.808383	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	0	7390.00	11.062874	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	10	9910.00	14.835329	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	20	12020.00	17.994012	±NA	PASS
Band71	10MHz	QPSK	13317 2	50RB#0	NV	30	8730.00	13.068862	±NA	PASS
Band71	10MHz	QPSK	13317	50RB#0	NV	40	10930.00	16.362275	±NA	PASS

			2							
Band71	10MHz	QPSK	13317 2	50RB#0	NV	50	8280.00	12.395210	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	-30	3890.00	5.716385	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	-20	880.00	1.293167	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	-10	3060.00	4.496694	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	0	570.00	0.837619	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	10	4750.00	6.980162	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	20	2760.00	4.055841	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	30	490.00	0.720059	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	40	1930.00	2.836150	±NA	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	50	2830.00	4.158707	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-30	-8430.00	-12.164502	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-20	-9000.00	-12.987013	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	-10	-6510.00	-9.393939	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	0	-7140.00	-10.303030	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	10	-10970.00	-15.829726	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	20	-12190.00	-17.590188	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	30	-9680.00	-13.968254	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	40	-10140.00	-14.632035	±NA	PASS
Band71	10MHz	QPSK	13342 2	50RB#0	NV	50	-12680.00	-18.297258	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	-30	11080.00	16.524981	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	-20	13360.00	19.925429	±NA	PASS

Band71	15MHz	QPSK	13319 7	75RB#0	NV	-10	8960.00	13.363162	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	0	12590.00	18.777032	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	10	10240.00	15.272185	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	20	14160.00	21.118568	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	30	10120.00	15.093214	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	40	12100.00	18.046234	±NA	PASS
Band71	15MHz	QPSK	13319 7	75RB#0	NV	50	12540.00	18.702461	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	-30	- 6393970.00	- 9536.1222 97	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	-20	7570.00	11.290082	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	-10	-298010.00	- 444.45935 9	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	0	-2870.00	-4.280388	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	10	- 6065280.00	- 9045.9060 40	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	20	57790.00	86.189411	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	30	- 5835080.00	- 8702.5801 64	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	40	9880.00	14.735272	±NA	PASS
Band71	15MHz	16QAM	13319 7	75RB#0	NV	50	-200460.00	- 298.97091 7	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	-30	-1130.00	-1.660544	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	-20	-1920.00	-2.821455	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	-10	-820.00	-1.204996	±NA	PASS

Band71	15MHz	QPSK	13329 7	75RB#0	NV	0	210.00	0.308597	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	10	230.00	0.337987	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	20	-1530.00	-2.248347	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	30	2150.00	3.159442	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	40	-2090.00	-3.071271	±NA	PASS
Band71	15MHz	QPSK	13329 7	75RB#0	NV	50	1430.00	2.101396	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	-30	46100.00	67.744306	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	-20	-421500.00	- 619.39750 2	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	-10	41790.00	61.410727	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	0	-8710.00	-12.799412	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	10	-23150.00	-34.019104	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	20	-205740.00	- 302.33651 7	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	30	-22570.00	-33.166789	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	40	- 5797770.00	- 8519.8677 44	±NA	PASS
Band71	15MHz	16QAM	13329 7	75RB#0	NV	50	-4090.00	-6.010287	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	-30	280.00	0.405503	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	-20	-4640.00	-6.719768	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	-10	1400.00	2.027516	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	0	-1320.00	-1.911658	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	10	-2250.00	-3.258508	±NA	PASS

Band71	15MHz	QPSK	13339 7	75RB#0	NV	20	740.00	1.071687	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	30	-5890.00	-8.530051	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	40	-6030.00	-8.732802	±NA	PASS
Band71	15MHz	QPSK	13339 7	75RB#0	NV	50	140.00	0.202752	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	-30	-512810.00	- 742.66473 6	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	-20	12260.00	17.755250	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	-10	-270640.00	- 391.94786 4	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	0	10370.00	15.018103	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	10	-444910.00	- 644.33019 6	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	20	8260.00	11.962346	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	30	-231810.00	- 335.71325 1	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	40	-1520.00	-2.201303	±NA	PASS
Band71	15MHz	16QAM	13339 7	75RB#0	NV	50	- 5957930.00	- 8628.4286 75	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	-30	23070.00	34.279346	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	-20	16810.00	24.977712	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	-10	17480.00	25.973254	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	0	14070.00	20.906389	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	10	27230.00	40.460624	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	20	26240.00	38.989599	±NA	PASS

Band71	20MHz	QPSK	13322 2	100RB#0	NV	30	28210.00	41.916790	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	40	17340.00	25.765230	±NA	PASS
Band71	20MHz	QPSK	13322 2	100RB#0	NV	50	21950.00	32.615156	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	-30	640.00	0.937042	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	-20	1490.00	2.181552	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	-10	-1260.00	-1.844802	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	0	6890.00	10.087848	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	10	7860.00	11.508053	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	20	4140.00	6.061493	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	30	4170.00	6.105417	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	40	1590.00	2.327965	±NA	PASS
Band71	20MHz	QPSK	13332 2	100RB#0	NV	50	6330.00	9.267936	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	-30	15520.00	22.558140	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	-20	18690.00	27.165698	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	-10	20110.00	29.229651	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	0	20640.00	30.000000	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	10	20890.00	30.363372	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	20	20280.00	29.476744	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	30	19330.00	28.095930	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	40	23210.00	33.735465	±NA	PASS
Band71	20MHz	QPSK	13337 2	100RB#0	NV	50	18720.00	27.209302	±NA	PASS