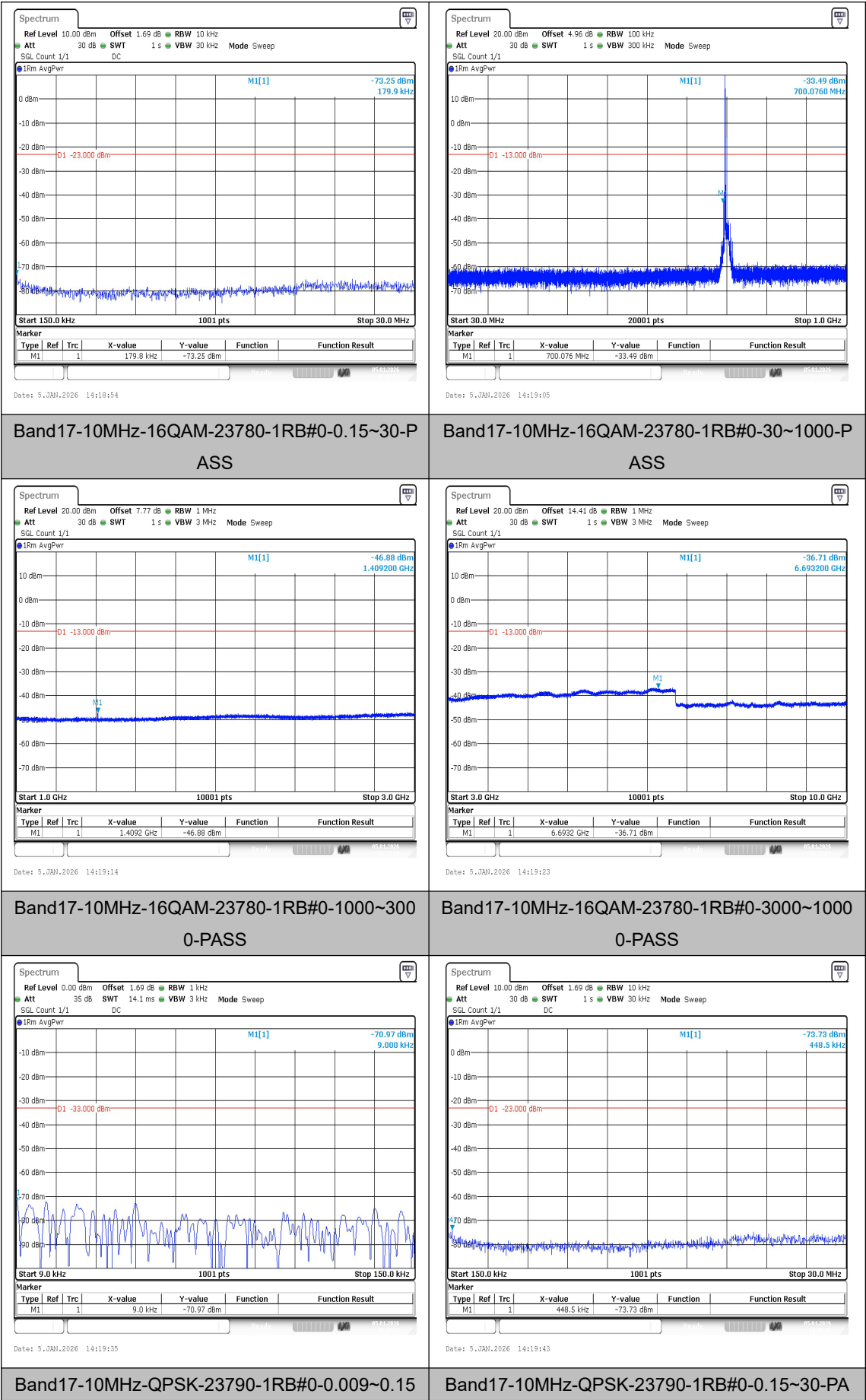
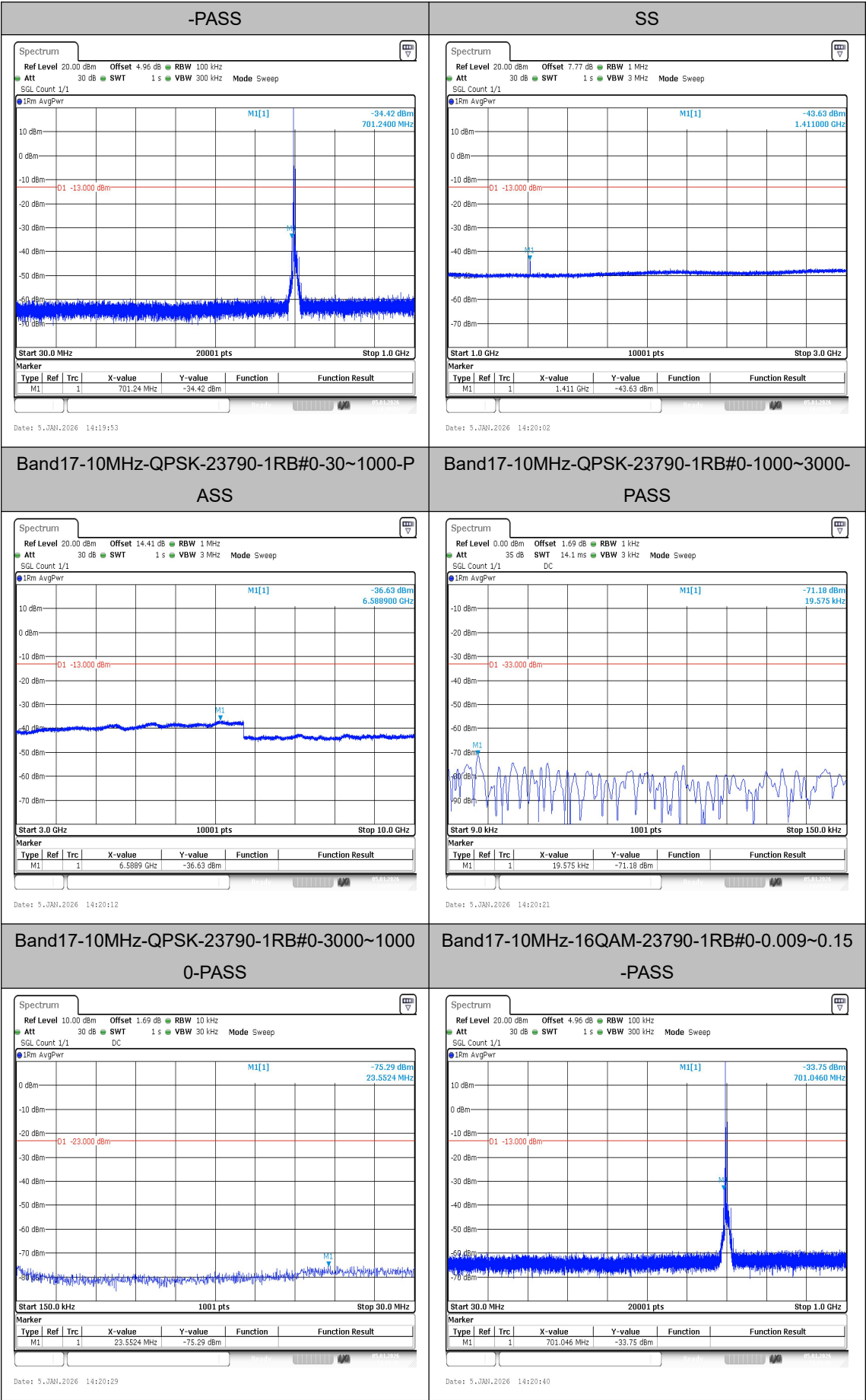
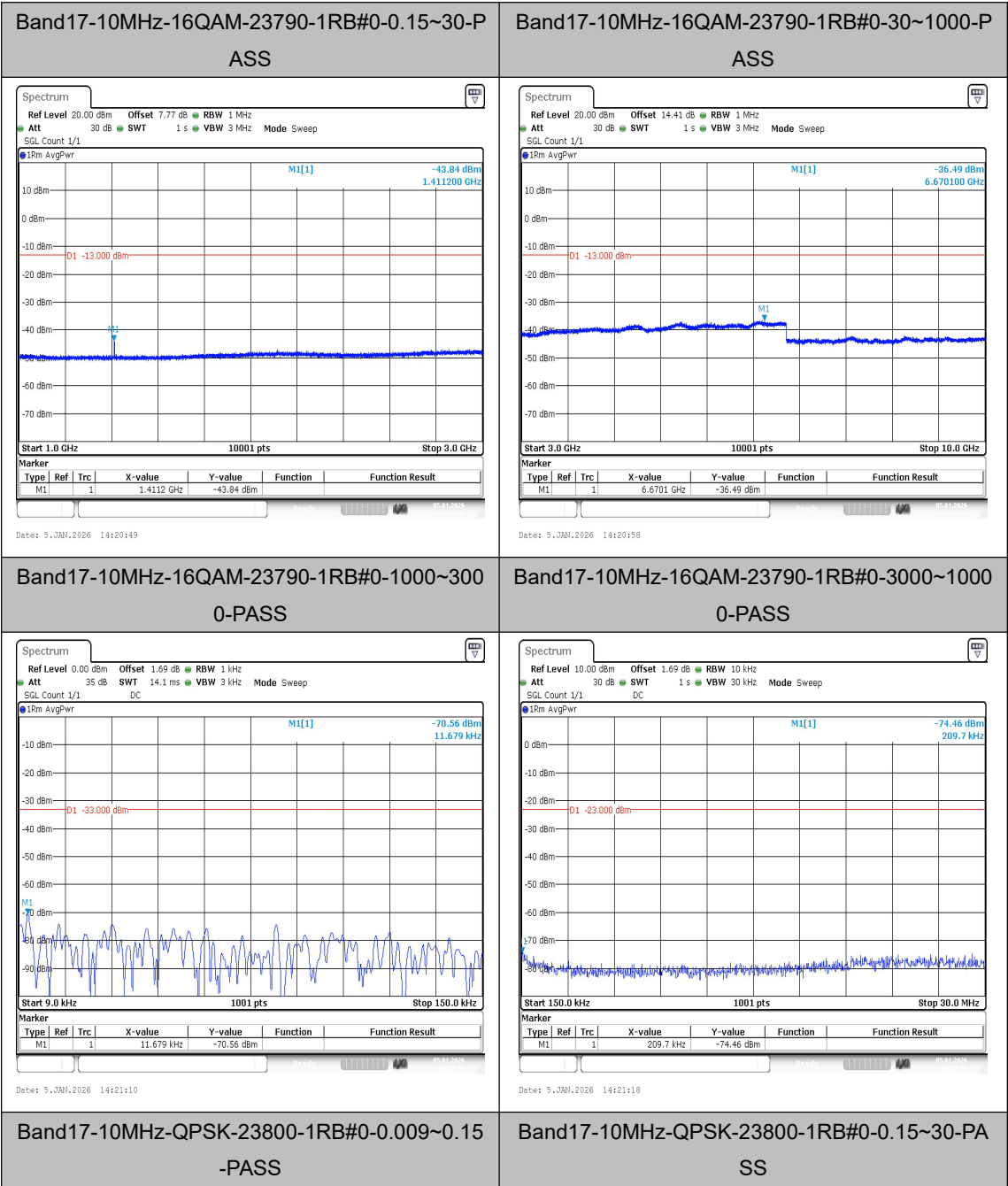
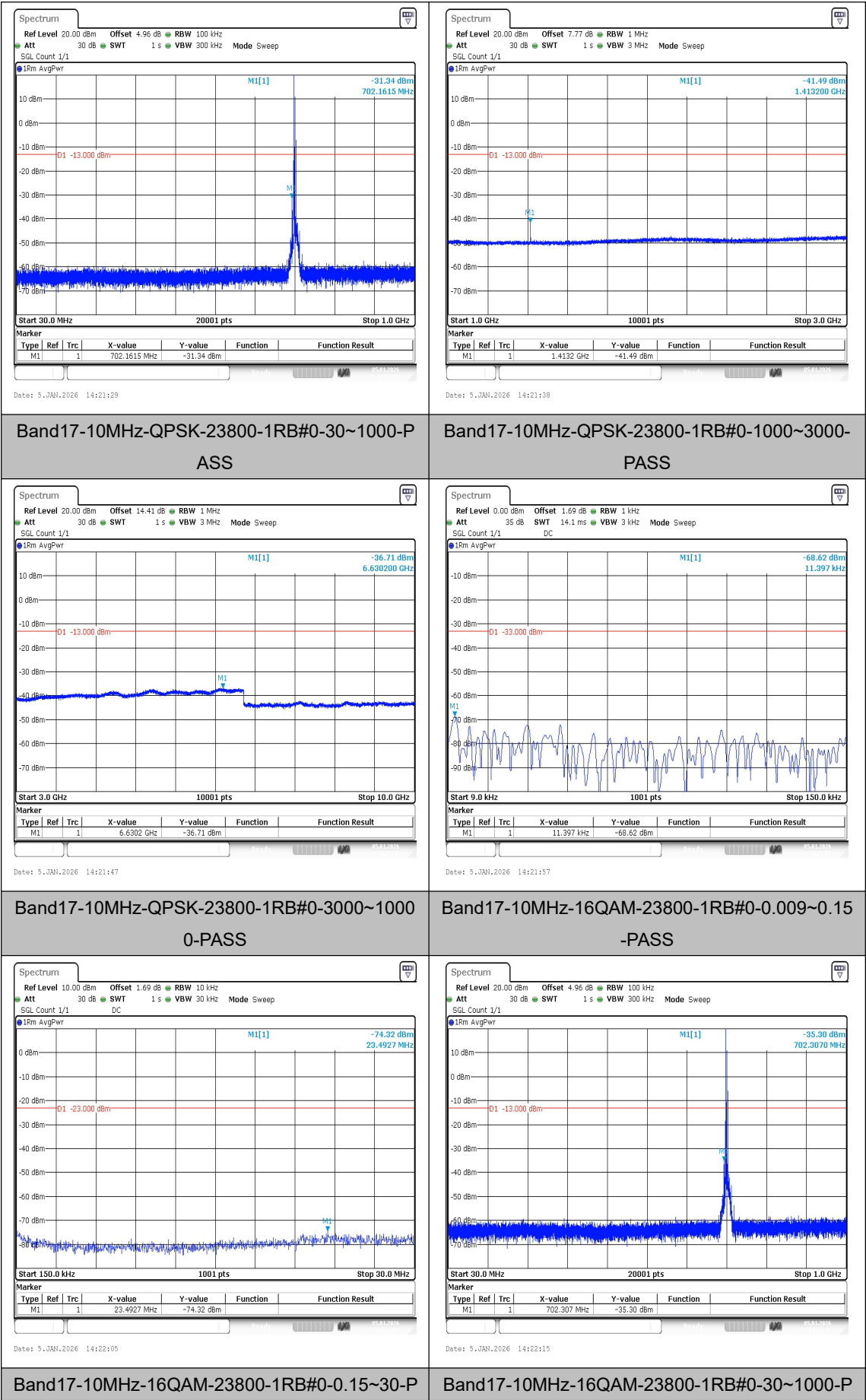
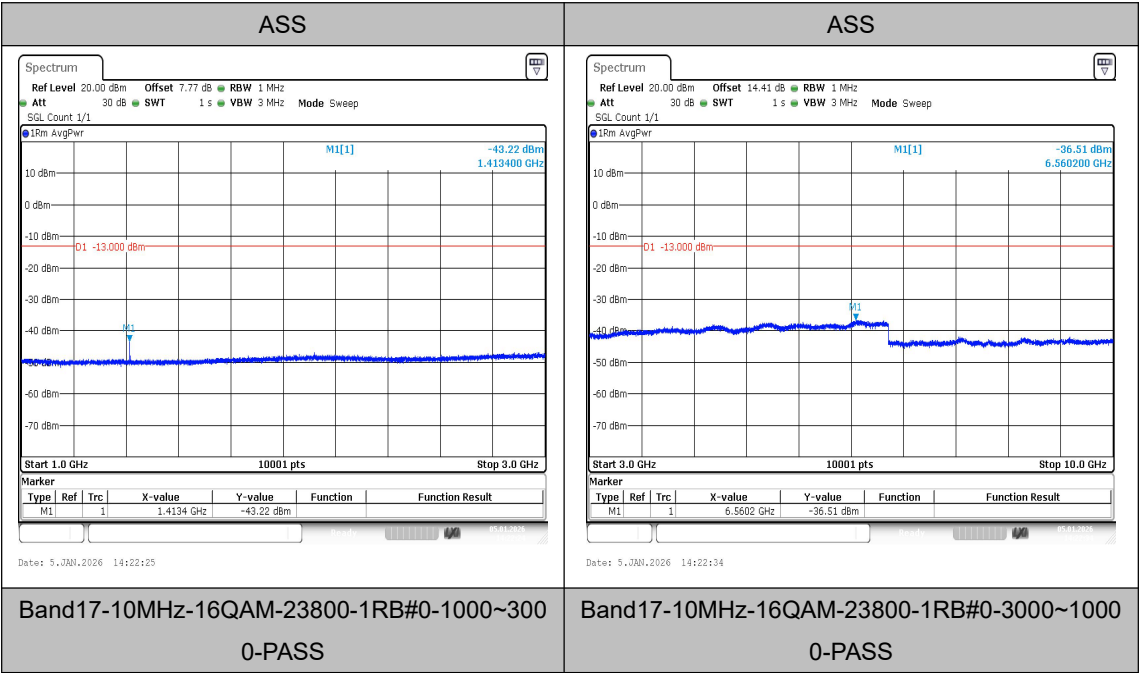












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-4.52	-0.006398	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-11.94	-0.016900	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-13.63	-0.019292	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-8.61	-0.012187	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-11.22	-0.015881	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-17.61	-0.024926	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-9.88	-0.013915	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-11.42	-0.016085	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-6.37	-0.008972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-5.36	-0.007549	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-9.24	-0.013014	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-13.12	-0.018479	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	4.81	0.006741	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-10.71	-0.015011	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-9.04	-0.012670	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-2.49	-0.003490	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-10.53	-0.014758	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-5.64	-0.007905	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-9.46	-0.013343	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-10.81	-0.015247	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-10.86	-0.015317	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-6.39	-0.009013	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-3.26	-0.004598	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-15.19	-0.021425	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-8.47	-0.011930	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-12.80	-0.018028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-5.24	-0.007380	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-9.33	-0.013141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-10.99	-0.015479	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-4.09	-0.005761	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-6.08	-0.008551	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-8.94	-0.012574	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-12.55	-0.017651	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-11.40	-0.016034	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-10.31	-0.014501	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-12.35	-0.017370	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-12.17	-0.017226	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-9.16	-0.012965	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-11.63	-0.016461	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-2.16	-0.003057	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-10.13	-0.014338	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-8.65	-0.012243	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-8.47	-0.011989	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-5.58	-0.007898	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-4.88	-0.006907	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-8.70	-0.012314	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-11.09	-0.015697	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-15.75	-0.022293	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-6.61	-0.009356	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-14.35	-0.020311	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-2.07	-0.002930	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-5.81	-0.008224	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-14.71	-0.020821	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-4.15	-0.005874	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-12.43	-0.017507	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-8.65	-0.012183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-13.62	-0.019183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-7.51	-0.010577	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-5.42	-0.007634	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-10.66	-0.015014	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-9.31	-0.013113	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-14.33	-0.020183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-13.29	-0.018718	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-12.25	-0.017254	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-4.46	-0.006282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-10.31	-0.014521	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-11.50	-0.016197	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-11.29	-0.015901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-12.29	-0.017310	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-12.27	-0.017282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-14.23	-0.020042	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	50	-9.46	-0.013324	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-9.13	-0.012796	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-11.92	-0.016706	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-8.65	-0.012123	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-3.58	-0.005018	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-8.81	-0.012348	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-9.64	-0.013511	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-14.82	-0.020771	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-14.89	-0.020869	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-4.12	-0.005774	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-8.97	-0.012572	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-9.58	-0.013427	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-5.12	-0.007176	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-4.61	-0.006461	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-9.40	-0.013174	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-9.16	-0.012838	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	1.99	0.002789	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-12.10	-0.016959	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-6.78	-0.009502	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-8.83	-0.012454	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-3.39	-0.004781	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-10.67	-0.015049	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-7.54	-0.010635	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-6.05	-0.008533	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-9.37	-0.013216	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-12.63	-0.017814	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-17.62	-0.024852	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-11.79	-0.016629	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-8.01	-0.011298	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-3.62	-0.005106	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-10.47	-0.014767	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-6.27	-0.008843	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-4.45	-0.006276	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-11.72	-0.016530	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-6.41	-0.009041	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-9.94	-0.014020	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-8.75	-0.012341	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-10.41	-0.014662	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-14.46	-0.020366	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-5.97	-0.008408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-10.33	-0.014549	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	10	-10.87	-0.015310	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.75	-0.003873	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-9.90	-0.013944	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-6.31	-0.008887	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-10.30	-0.014507	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-10.81	-0.015225	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-6.74	-0.009493	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-5.91	-0.008324	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-14.19	-0.019986	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-9.64	-0.013577	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-10.34	-0.014563	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-2.86	-0.004028	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-6.38	-0.008986	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-11.74	-0.016535	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-9.40	-0.013221	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-11.14	-0.015668	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-11.07	-0.015570	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-12.09	-0.017004	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-13.95	-0.019620	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-12.32	-0.017328	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-11.30	-0.015893	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-10.91	-0.015345	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-11.10	-0.015612	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-12.93	-0.018186	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-4.58	-0.006442	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-11.13	-0.015654	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-12.75	-0.017932	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-11.26	-0.015837	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-13.30	-0.018706	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-9.38	-0.013193	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-10.44	-0.014684	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-14.33	-0.020155	±2.5	PASS