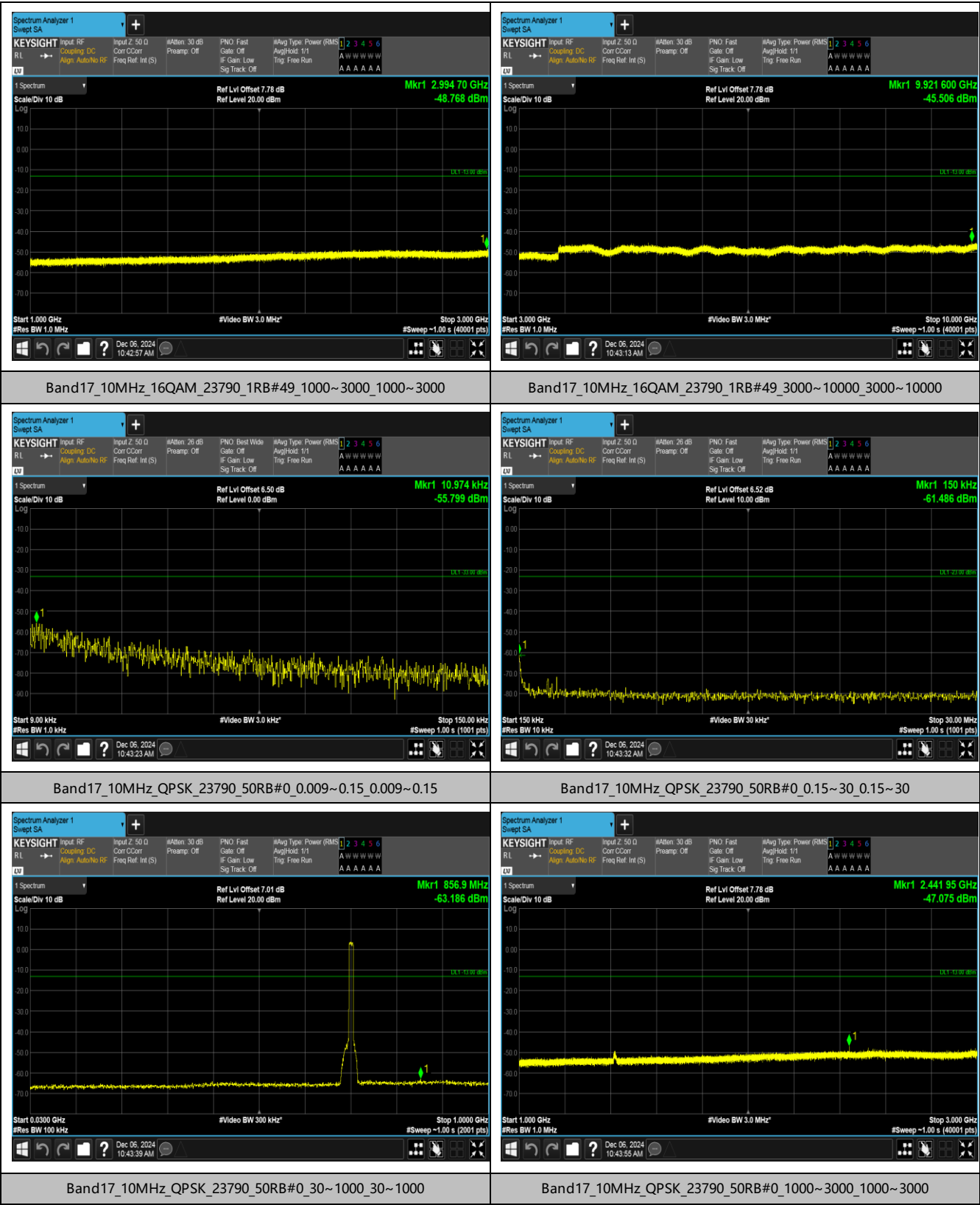
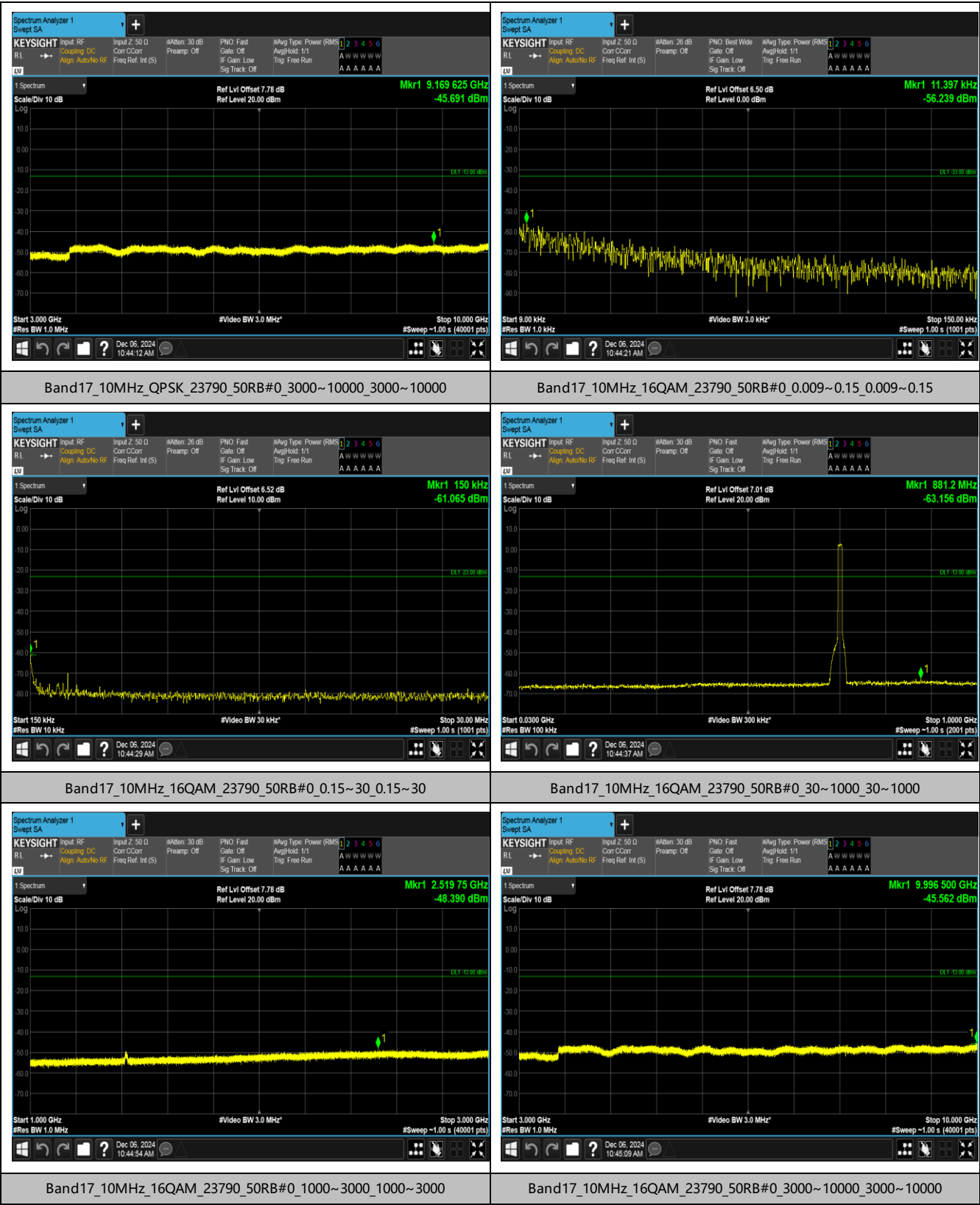
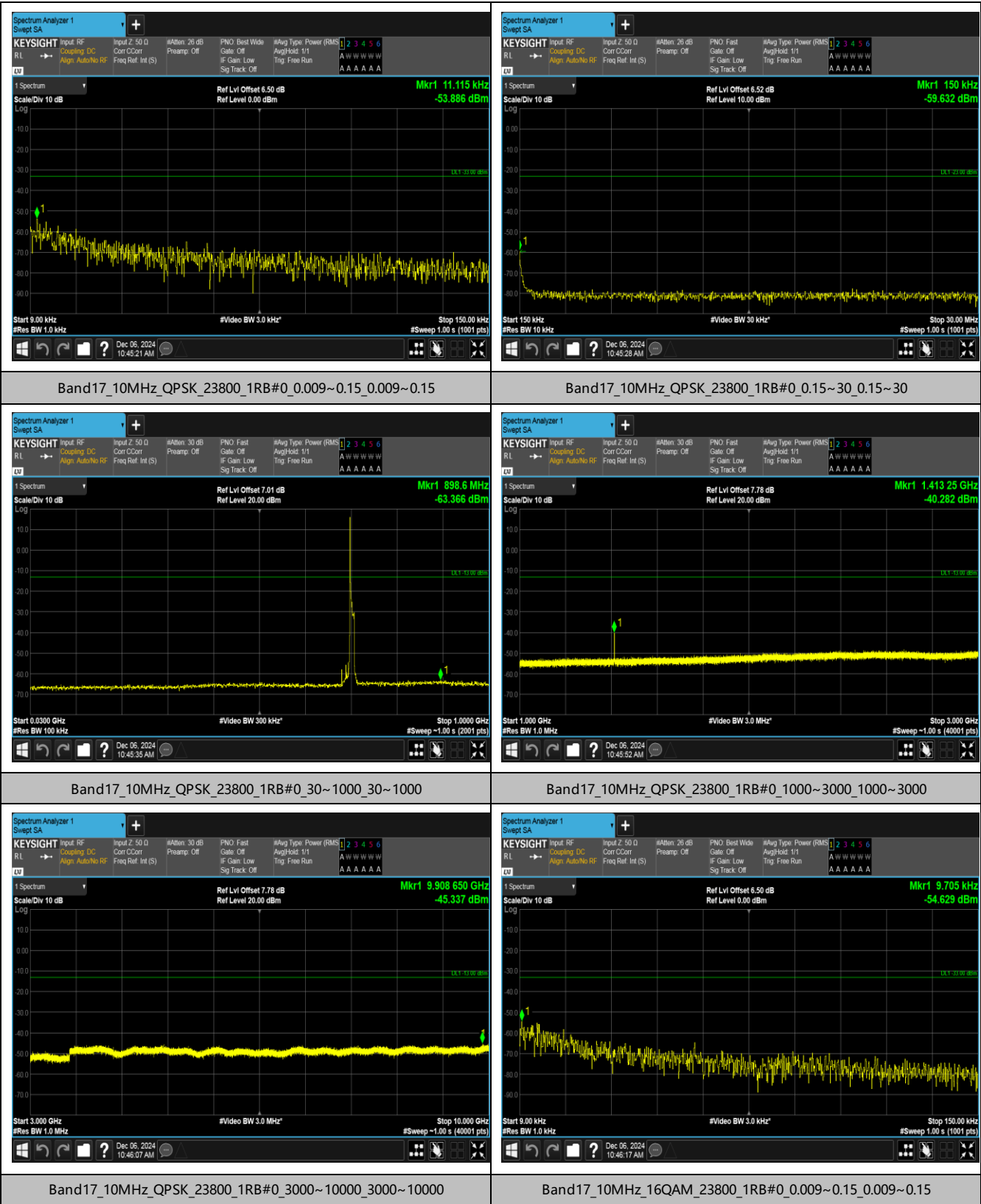
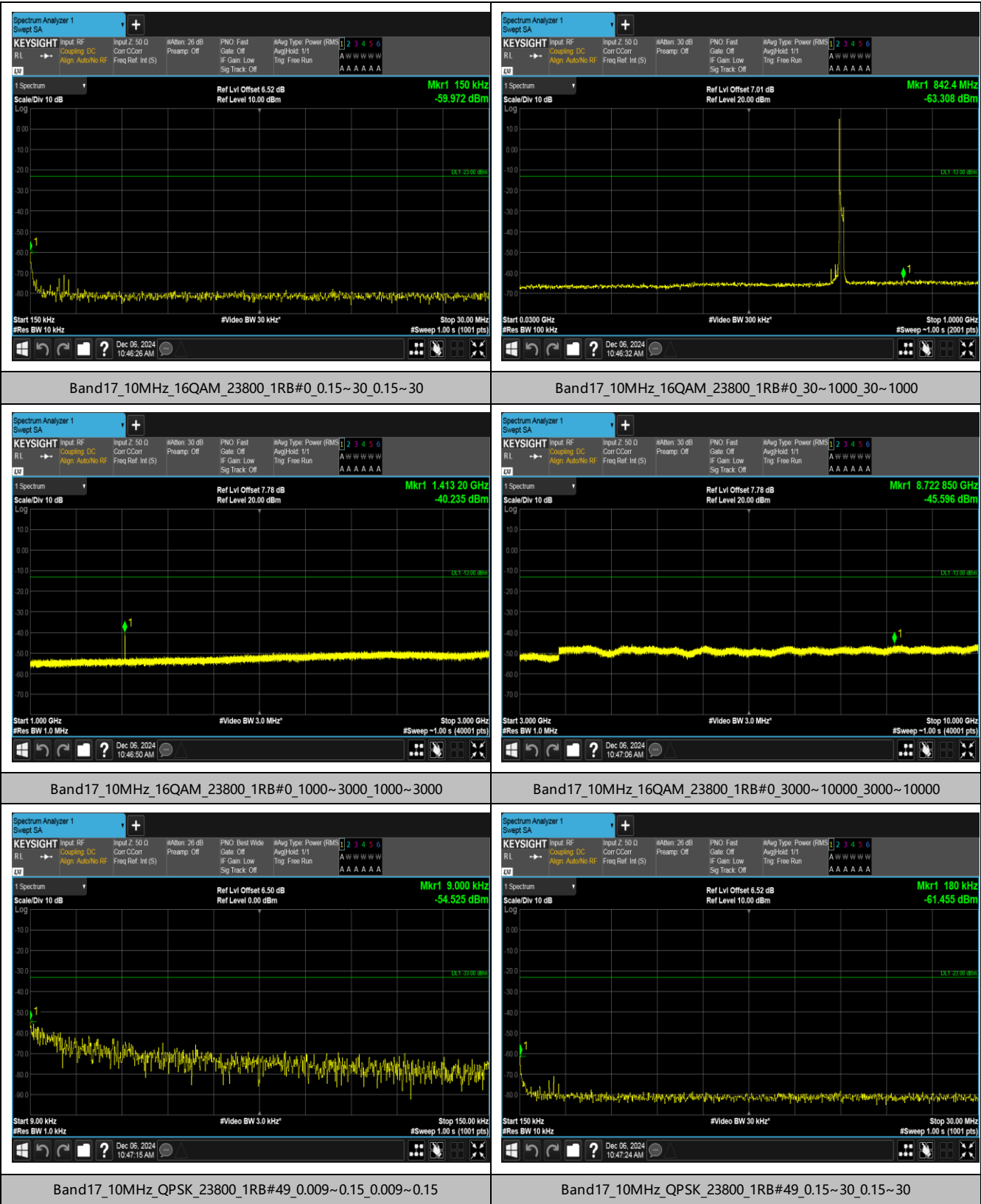
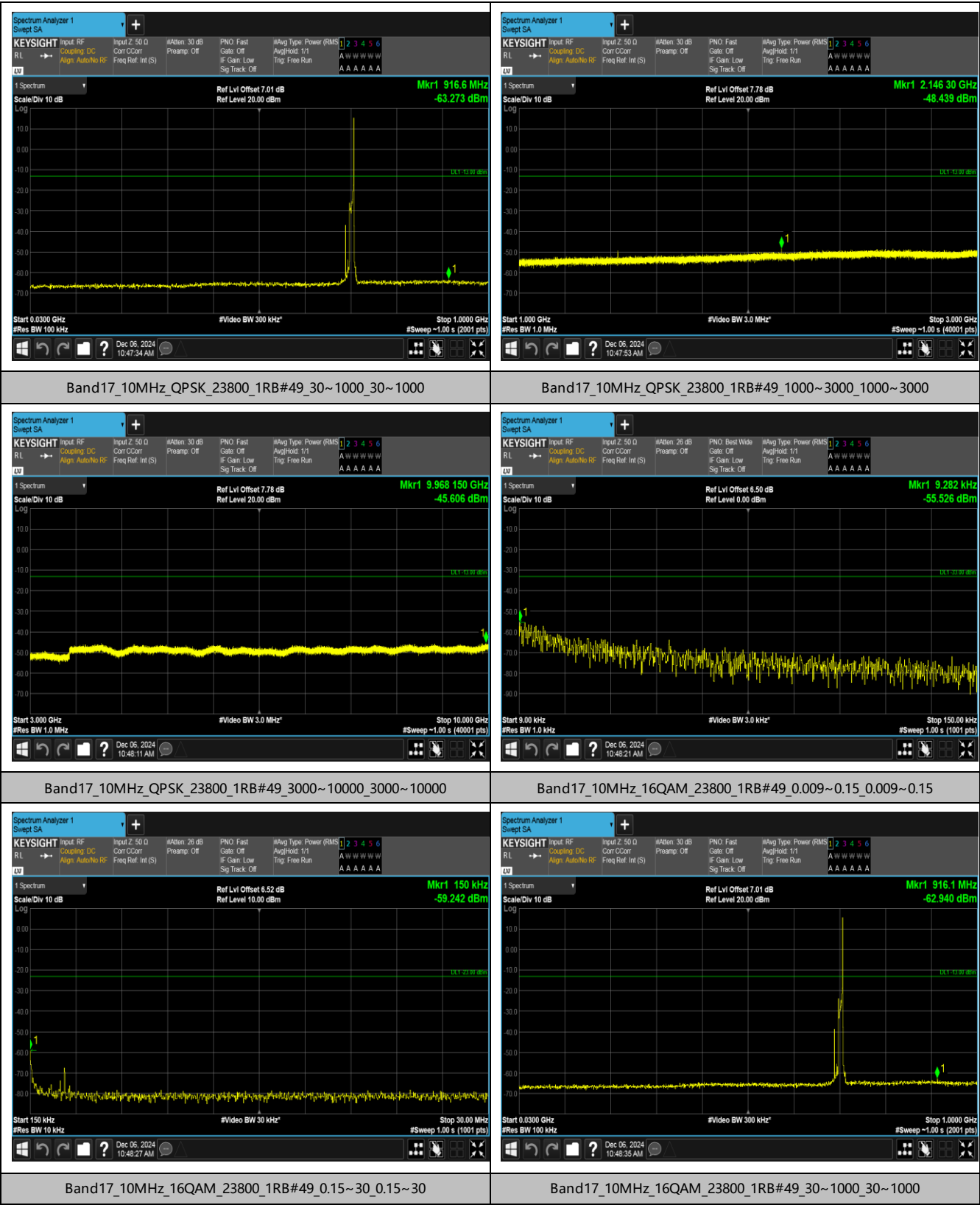


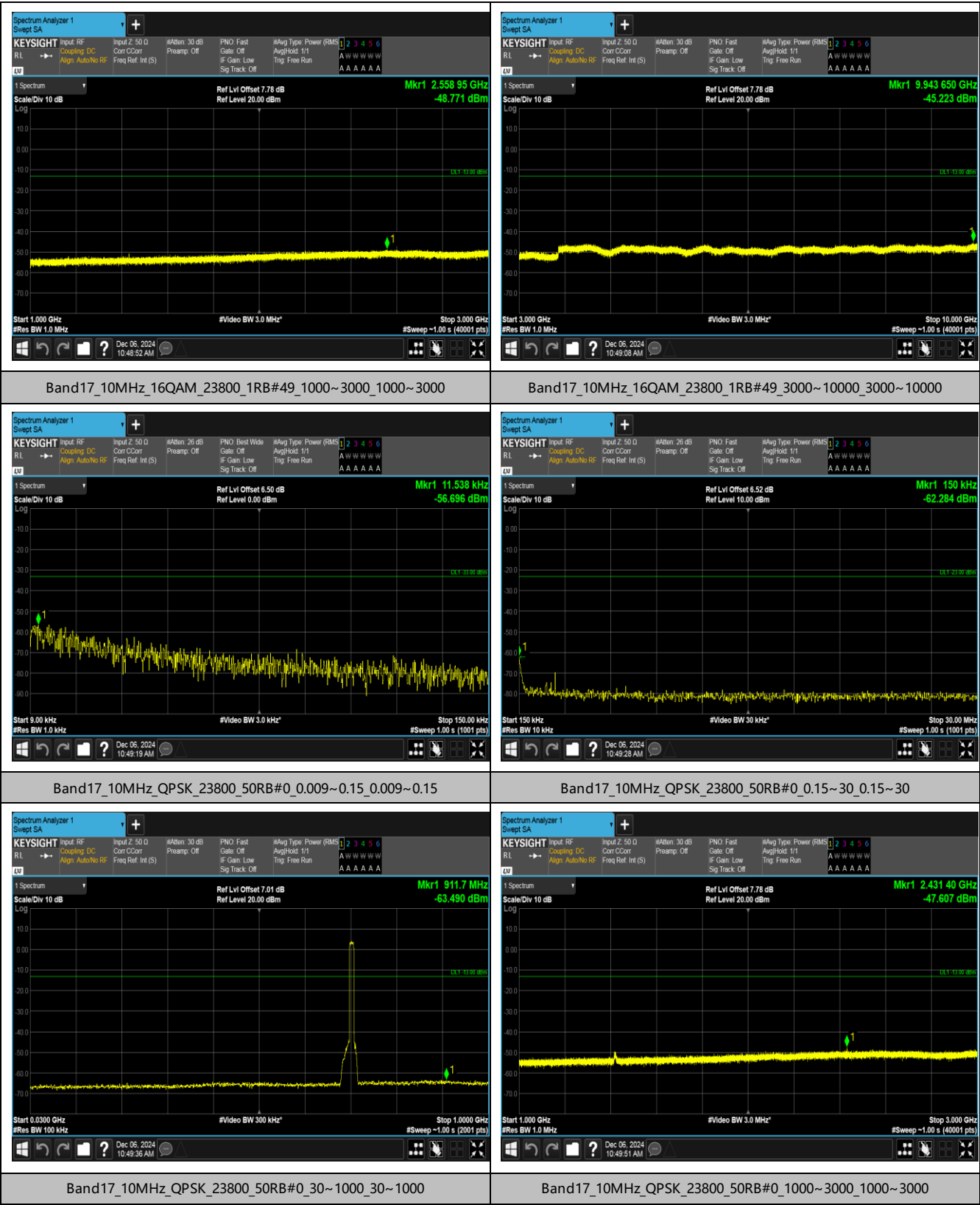


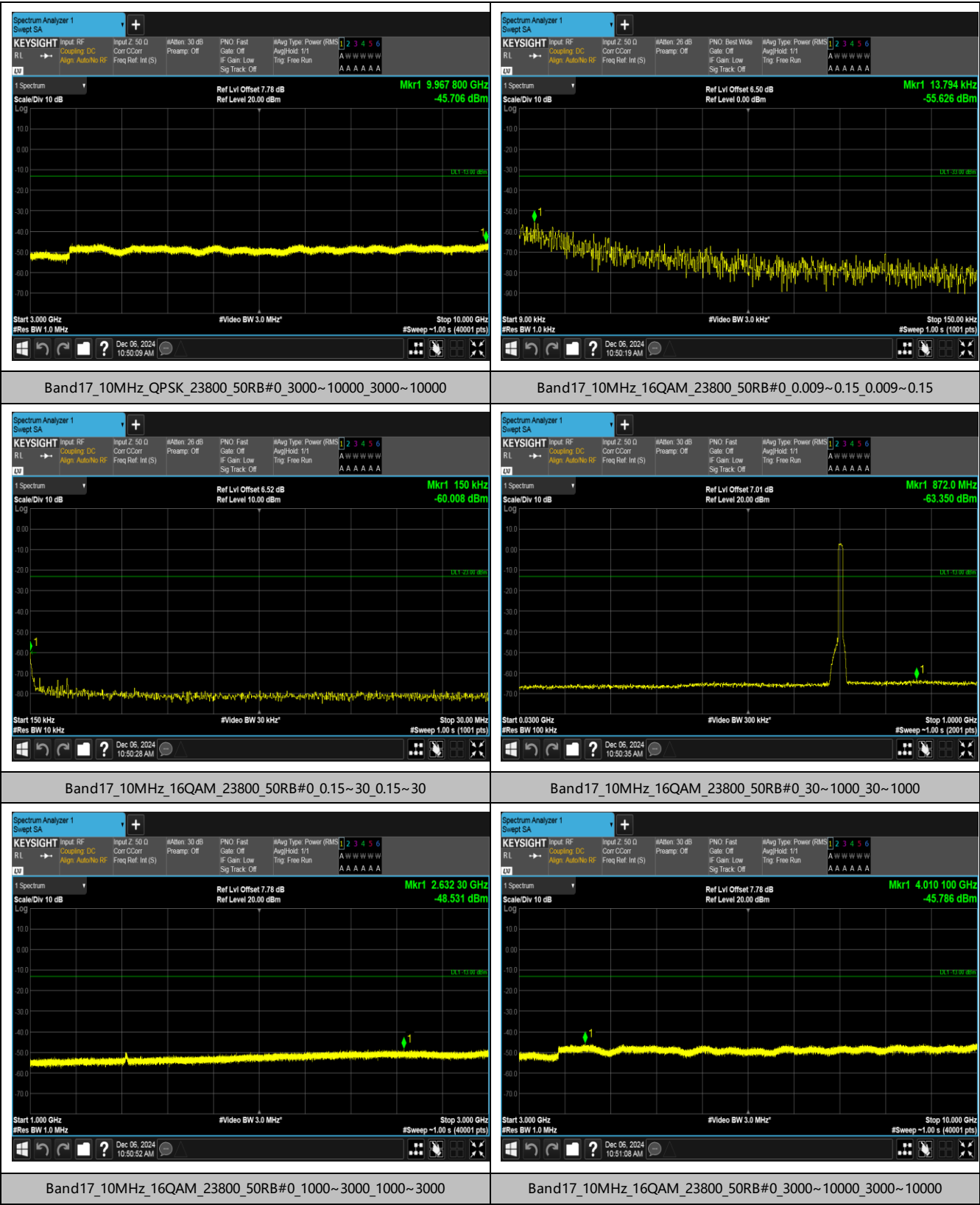












Appendix F: Frequency stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-2670.00	-3.779193	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-1980.00	-2.802548	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-2870.00	-4.062279	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-610.00	-0.863411	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	420.00	0.594480	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	1760.00	2.491154	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-150.00	-0.211268	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-1250.00	-1.760563	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-1180.00	-1.661972	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-1860.00	-2.619718	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-1330.00	-1.873239	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-640.00	-0.901408	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-9580.00	-13.426769	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-7240.00	-10.147162	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-7140.00	-10.007008	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-3210.00	-4.498949	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-2780.00	-3.896286	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-6200.00	-8.689559	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-3470.00	-4.894217	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-150.00	-0.211566	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-1040.00	-1.466855	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	4360.00	6.149506	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	3630.00	5.119887	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	3020.00	4.259520	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-3390.00	-4.774648	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-1050.00	-1.478873	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-1590.00	-2.239437	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-1610.00	-2.267606	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-3750.00	-5.281690	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-5990.00	-8.436620	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-10680.00	-15.021097	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-12180.00	-17.130802	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-12620.00	-17.749648	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-16300.00	-22.925457	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-14130.00	-19.873418	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-14370.00	-20.210970	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-3280.00	-4.642604	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-2760.00	-3.906582	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-2020.00	-2.859165	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-3310.00	-4.685067	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-2210.00	-3.128096	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-2790.00	-3.949045	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-3530.00	-4.996461	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-2340.00	-3.312102	±NA	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-3080.00	-4.359519	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	2050.00	2.901628	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-10.00	-0.014154	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-10.00	-0.014154	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	130.00	0.184006	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	310.00	0.438783	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	260.00	0.368011	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	510.00	0.721868	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-380.00	-0.537863	±NA	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-250.00	-0.353857	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-2020.00	-2.845070	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-1180.00	-1.661972	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-2400.00	-3.380282	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-20.00	-0.028169	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-1870.00	-2.633803	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-1000.00	-1.408451	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-850.00	-1.197183	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-1980.00	-2.788732	±NA	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-490.00	-0.690141	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-1700.00	-2.394366	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-310.00	-0.436620	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-1710.00	-2.408451	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-900.00	-1.267606	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-610.00	-0.859155	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	210.00	0.295775	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-1250.00	-1.760563	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-700.00	-0.985915	±NA	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-970.00	-1.366197	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-7280.00	-10.203224	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-7040.00	-9.866854	±NA	PASS

Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-7900.00	-11.072179	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-8310.00	-11.646811	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-7820.00	-10.960056	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-10100.00	-14.155571	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-6250.00	-8.759636	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-8320.00	-11.660827	±NA	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-7450.00	-10.441486	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-3850.00	-5.395936	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-3450.00	-4.835319	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-2670.00	-3.742116	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-1700.00	-2.382621	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-4910.00	-6.881570	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-2710.00	-3.798178	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-2620.00	-3.672039	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-3360.00	-4.709180	±NA	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-4770.00	-6.685354	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	1970.00	2.778561	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-1160.00	-1.636107	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	2890.00	4.076164	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	660.00	0.930889	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	1270.00	1.791255	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	1890.00	2.665726	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	2360.00	3.328632	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-860.00	-1.212976	±NA	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	2190.00	3.088858	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	2350.00	3.314528	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	5760.00	8.124118	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	4700.00	6.629055	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	3990.00	5.627645	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	3400.00	4.795487	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	2500.00	3.526093	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	2420.00	3.413258	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	6260.00	8.829337	±NA	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	1620.00	2.284908	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-1990.00	-2.802817	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-2600.00	-3.661972	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-5330.00	-7.507042	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-2800.00	-3.943662	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-3900.00	-5.492958	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-3660.00	-5.154930	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-2400.00	-3.380282	±NA	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	40	-2320.00	-3.267606	±NA	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-3430.00	-4.830986	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-6100.00	-8.591549	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-2660.00	-3.746479	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-1420.00	-2.000000	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-2340.00	-3.295775	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-2750.00	-3.873239	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-2040.00	-2.873239	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-2650.00	-3.732394	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-2010.00	-2.830986	±NA	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-3910.00	-5.507042	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-14460.00	-20.337553	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-13690.00	-19.254571	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-12610.00	-17.735584	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-14180.00	-19.943741	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-13500.00	-18.987342	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-11610.00	-16.329114	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-11320.00	-15.921238	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-12980.00	-18.255977	±NA	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-12530.00	-17.623066	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-9560.00	-13.445851	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-13510.00	-19.001406	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-14200.00	-19.971871	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-10810.00	-15.203938	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-13640.00	-19.184248	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-13990.00	-19.676512	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-15090.00	-21.223629	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-13630.00	-19.170183	±NA	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-10270.00	-14.444444	±NA	PASS