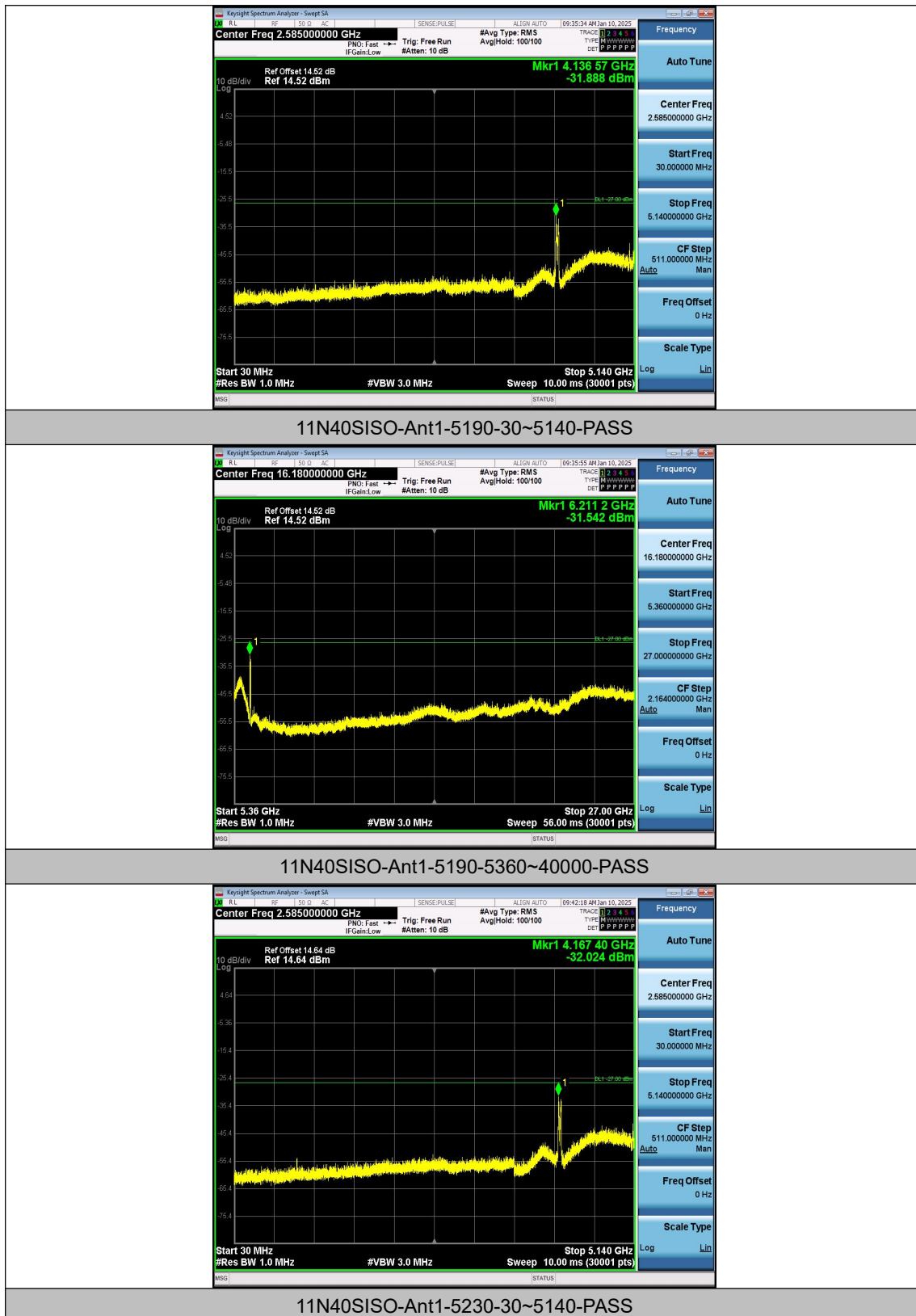
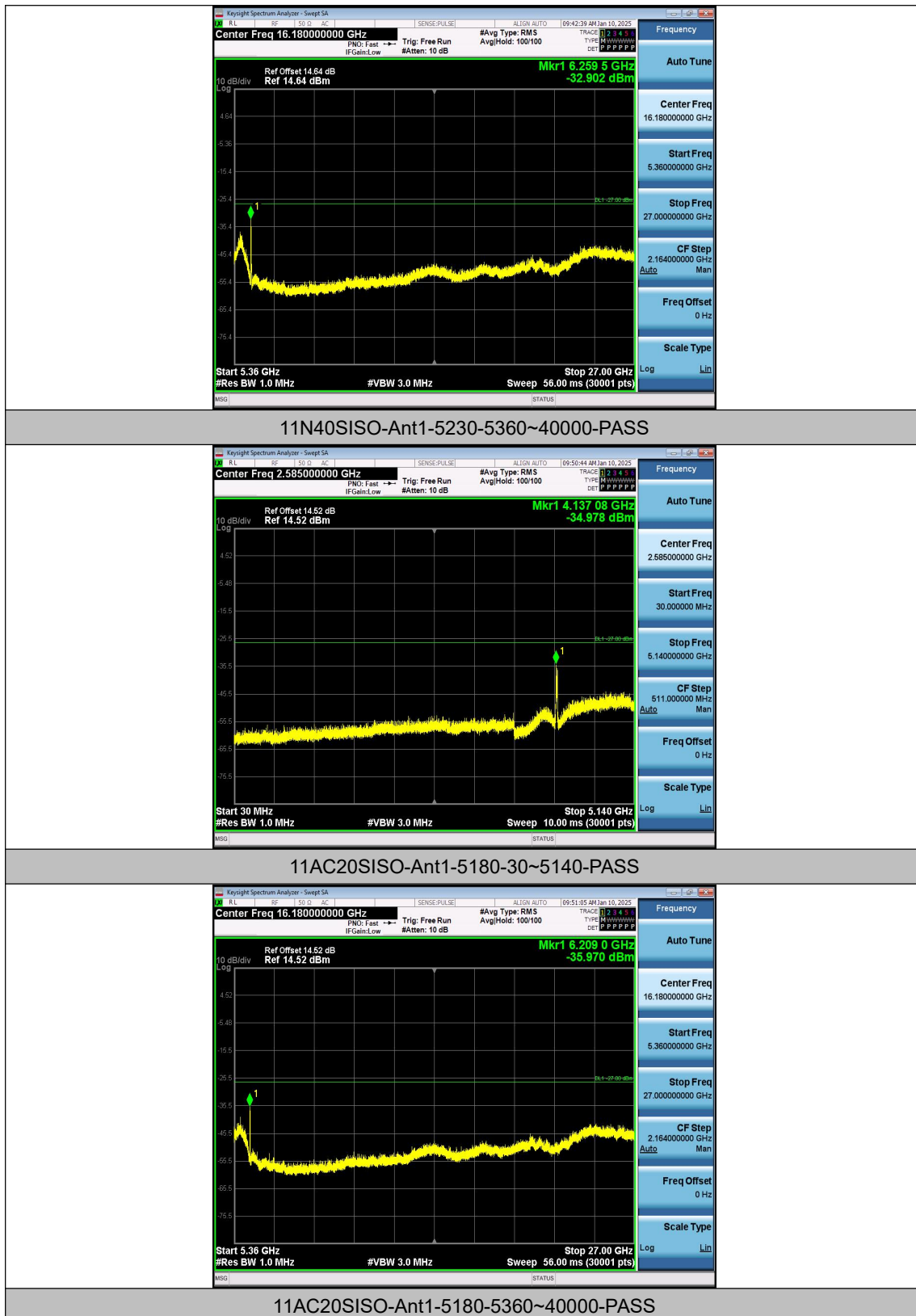
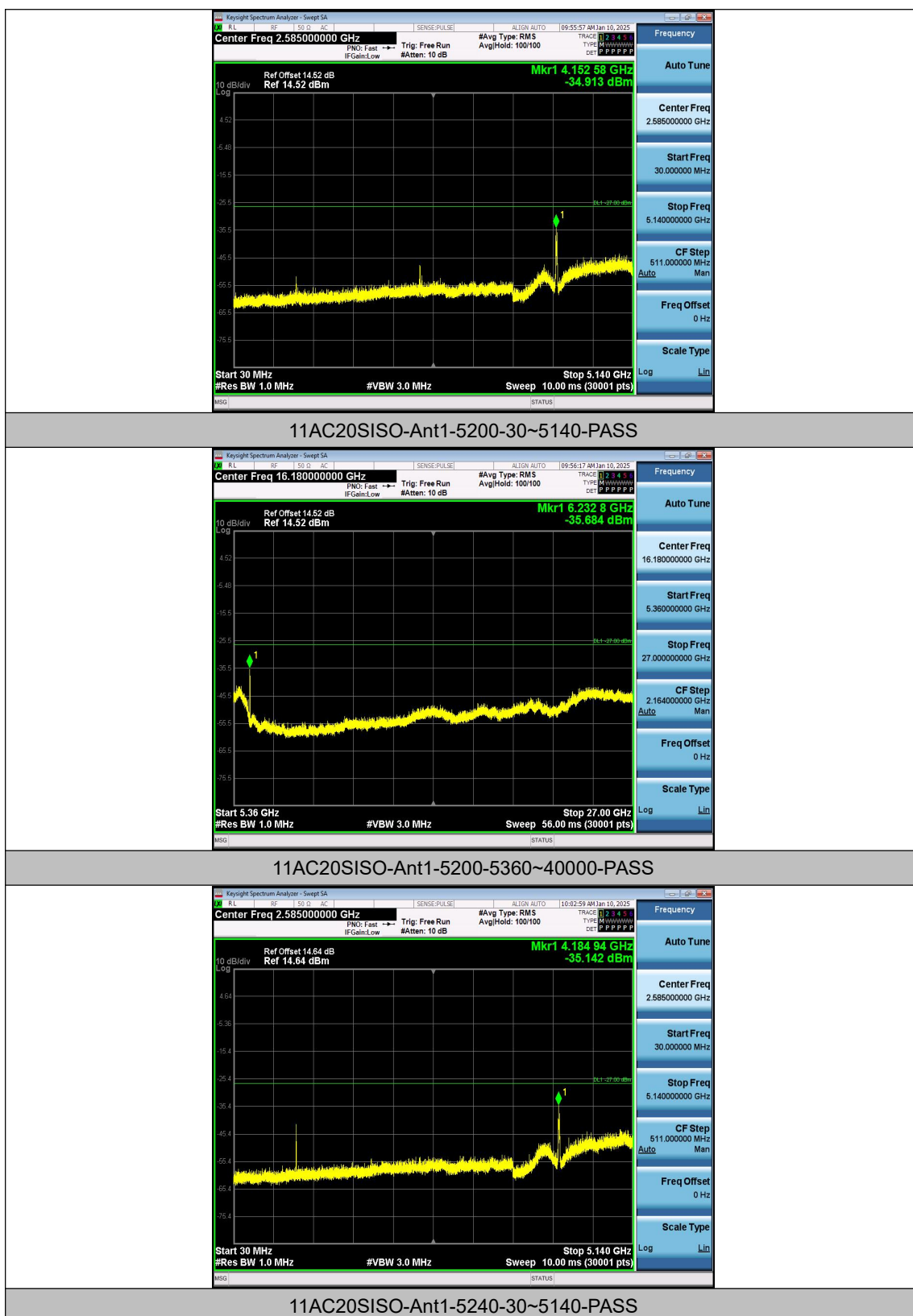
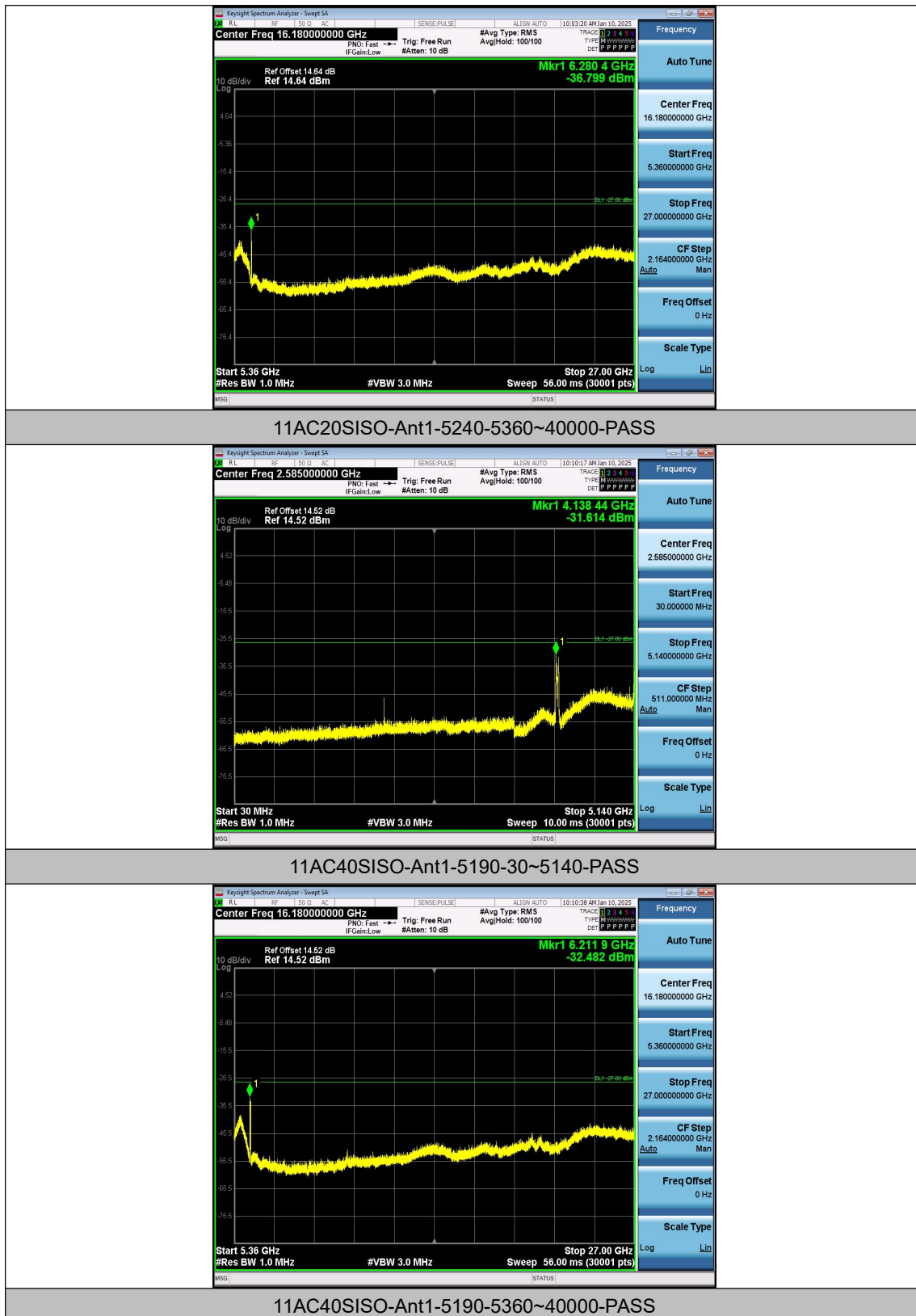
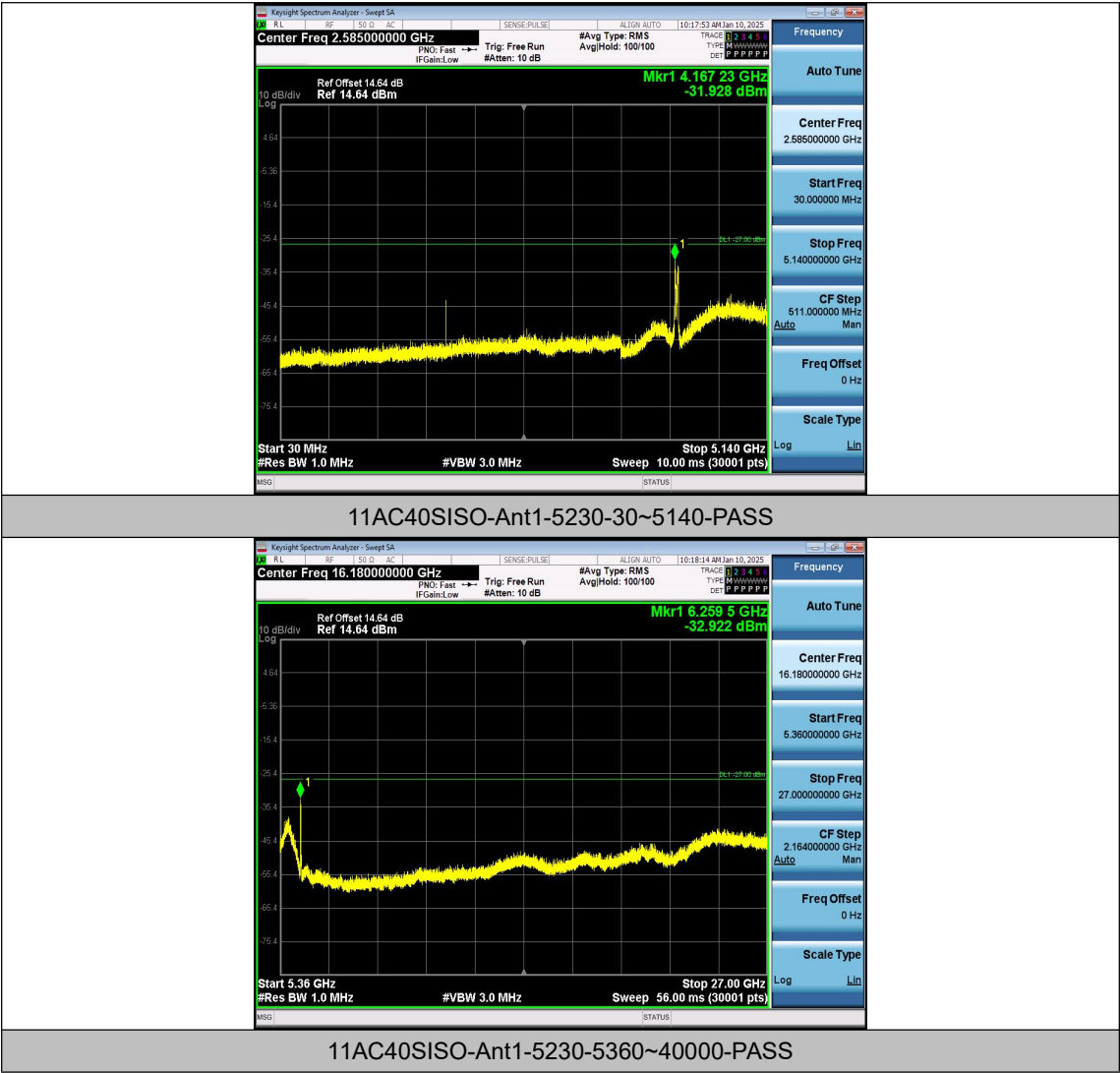












Appendix F: Frequency Stability

Test Result

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11A	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11N40SIS O	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	LV	NT	0.00	0.000000	20	PASS

11N40SISO	Ant1	5230	HV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11AC20SISO	Ant1	5200	NV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	LV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5200	HV	NT	-20000.00	-3.846154	20	PASS
11AC20SISO	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
11AC20SISO	Ant1	5240	LV	NT	-20000.00	-3.816794	20	PASS
11AC20SISO	Ant1	5240	HV	NT	-20000.00	-3.816794	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
11AC40SISO	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11AC40SISO	Ant1	5190	HV	NT	-40000.00	-7.707129	20	PASS
11AC40SISO	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11AC40SISO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS

TestMode	Antenna	Frequency[MHz]	Voltage[Vdc]	Temperature(°C)	Deviation(Hz)	Deviation(ppm)	Limit(ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS

11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	-20	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	10	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS
11A	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	50	-20000.00	-3.846154	20	PASS
11A	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11A	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11N20SIS O	Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11N20SIS	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS

O								
11N20SIS O	Ant1	5200	NV	0	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	10	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	20	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	30	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	40	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	50	-20000.00	-3.846154	20	PASS
11N20SIS O	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	10	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11N20SIS O	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11N40SIS O	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	20	-40000.00	-7.707129	20	PASS

11N40SIS O	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11AC20SI SO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11AC20SI	Ant1	5200	NV	-30	-20000.00	-3.846154	20	PASS

SO								
11AC20SI SO	Ant1	5200	NV	-20	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	-10	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	0	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	10	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	20	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5200	NV	30	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	40	0.00	0.000000	20	PASS
11AC20SI SO	Ant1	5200	NV	50	-20000.00	-3.846154	20	PASS
11AC20SI SO	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	-20	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	-10	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	0	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	20	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	30	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	40	-20000.00	-3.816794	20	PASS
11AC20SI SO	Ant1	5240	NV	50	-20000.00	-3.816794	20	PASS
11AC40SI SO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS

11AC40SI SO	Ant1	5190	NV	10	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	20	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	-10	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS