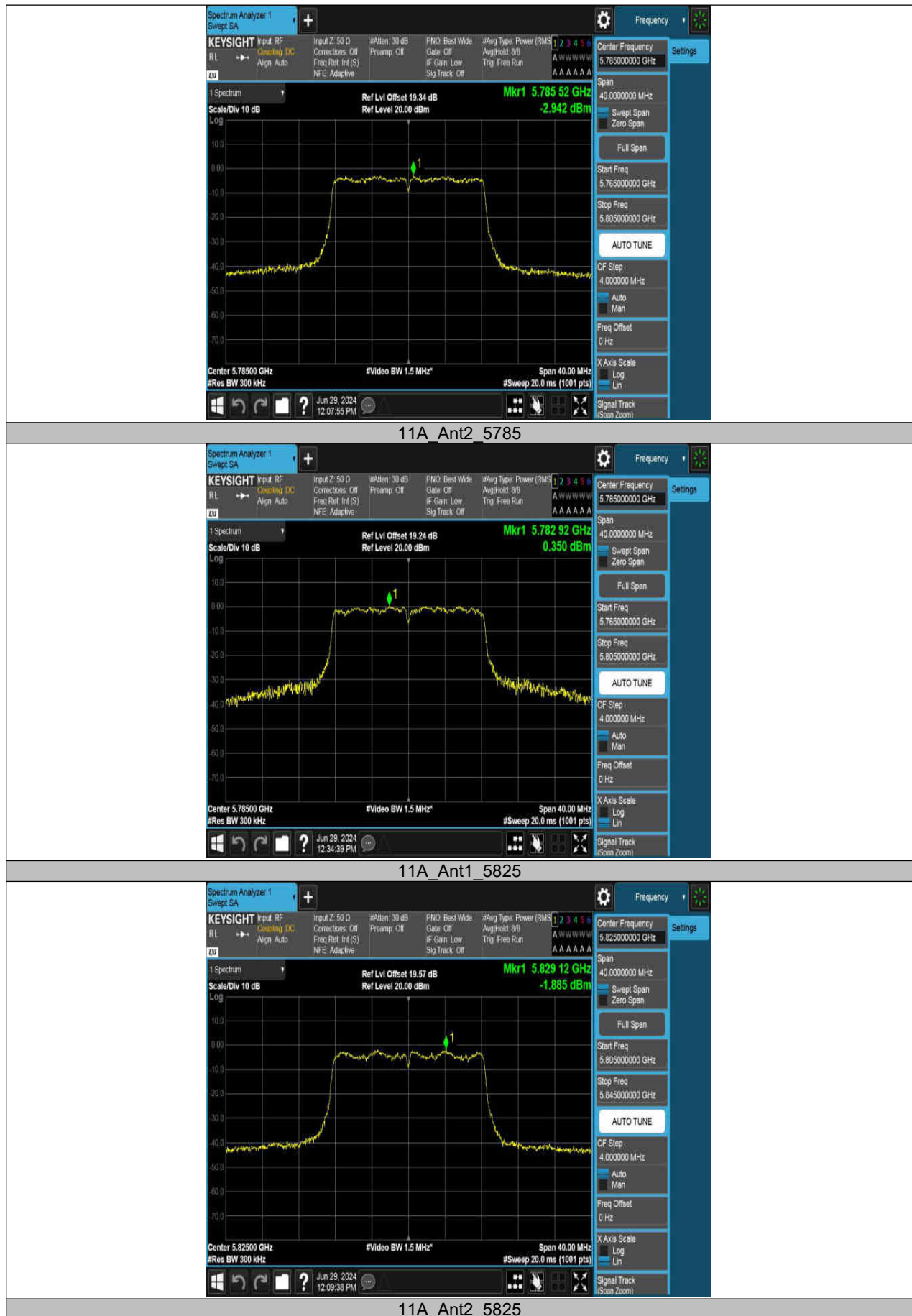
































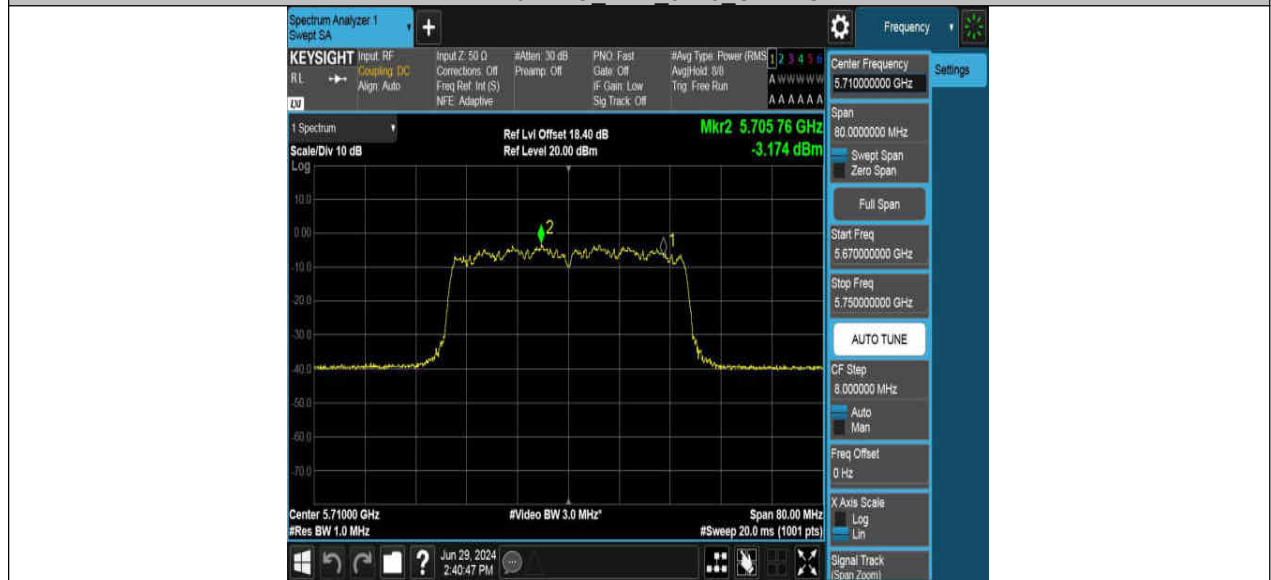




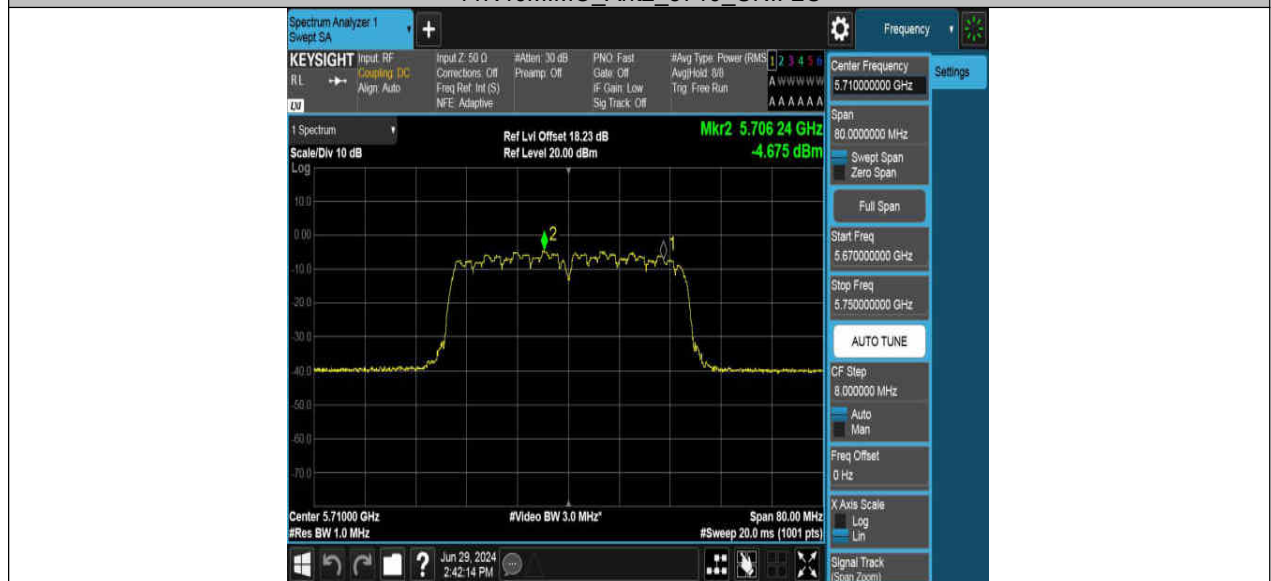




11N40MIMO_Ant1_5710_UNII-2C



11N40MIMO_Ant2_5710_UNII-2C



11N40MIMO Ant1 5710 UNII-3











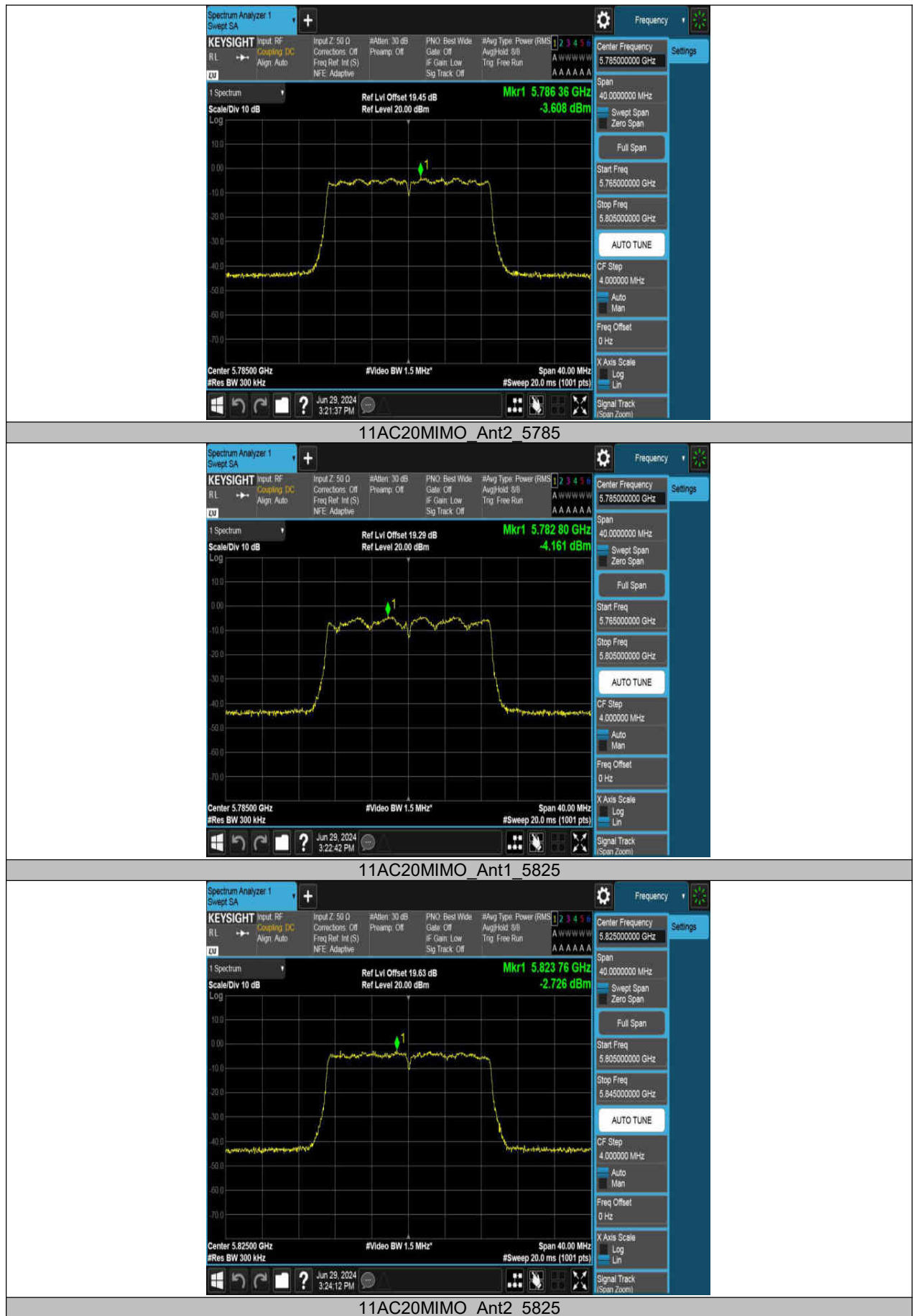












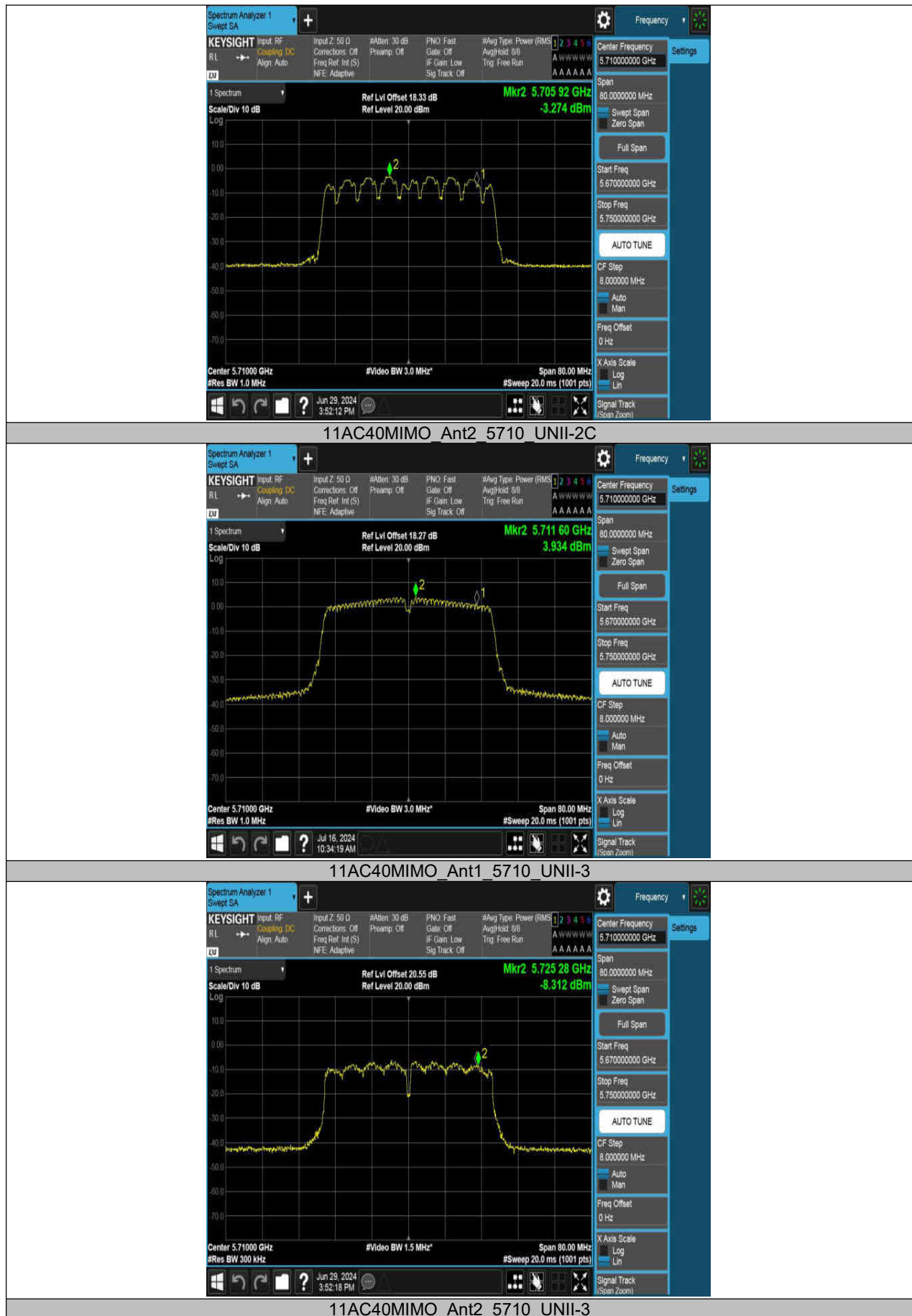




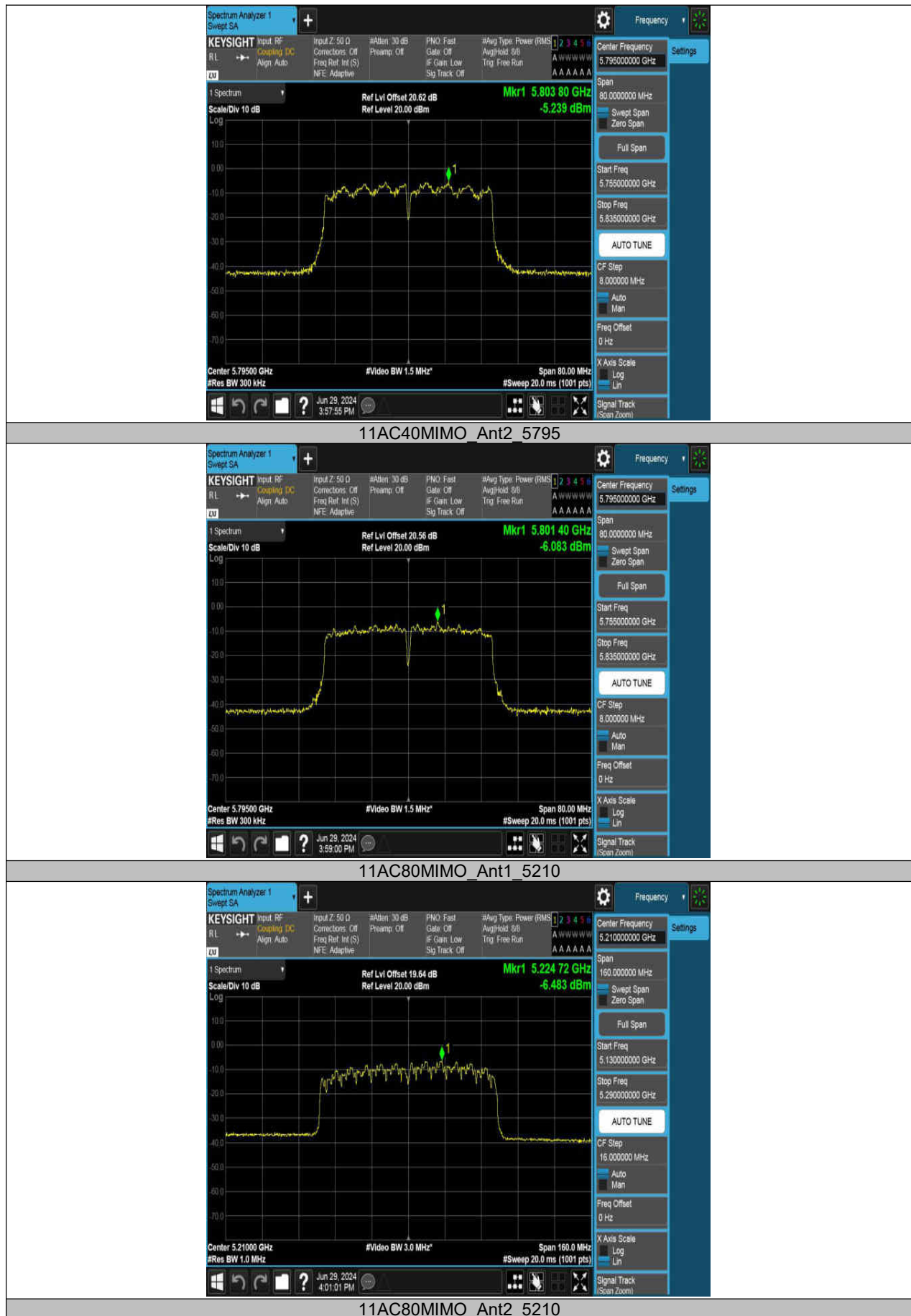




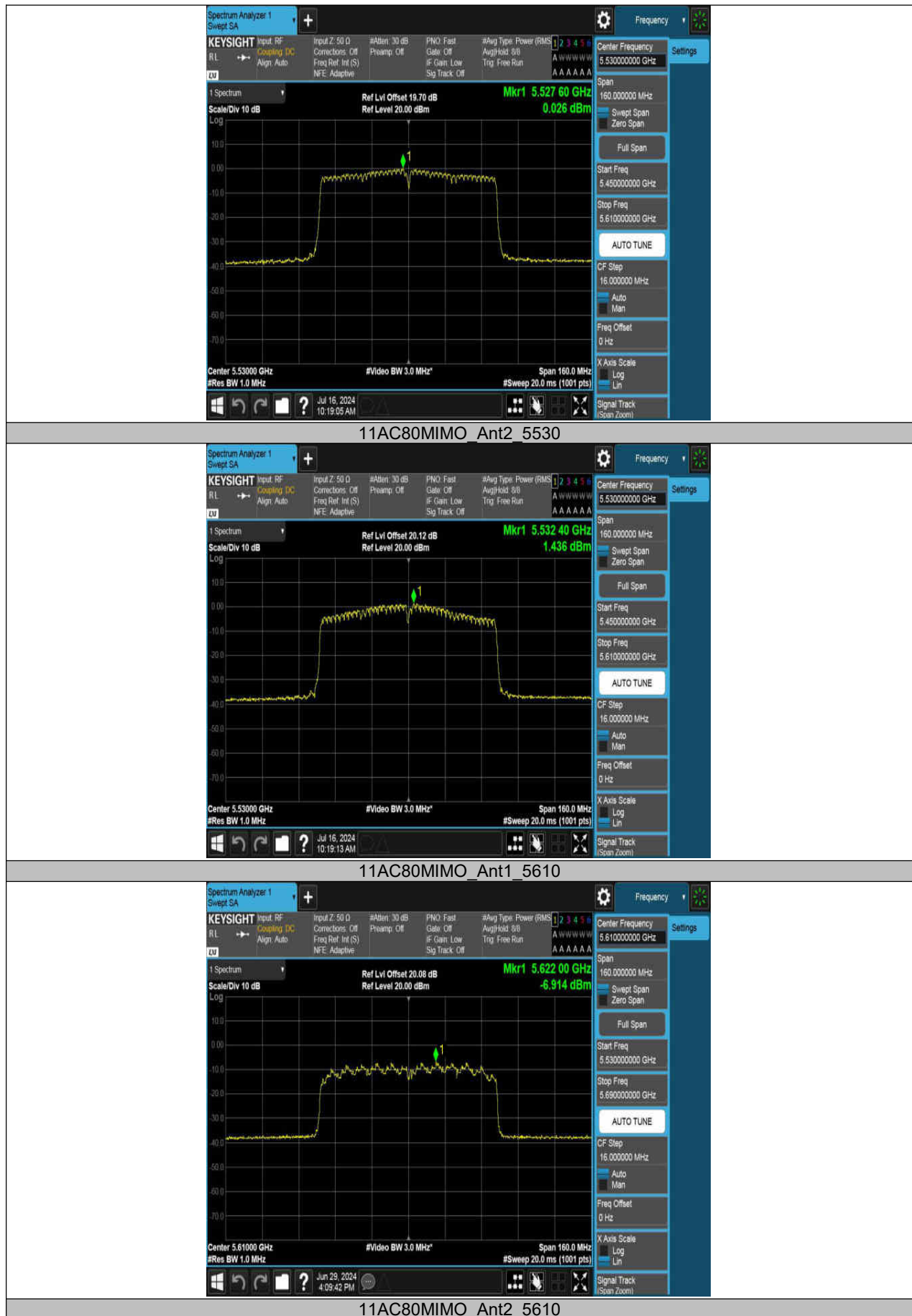






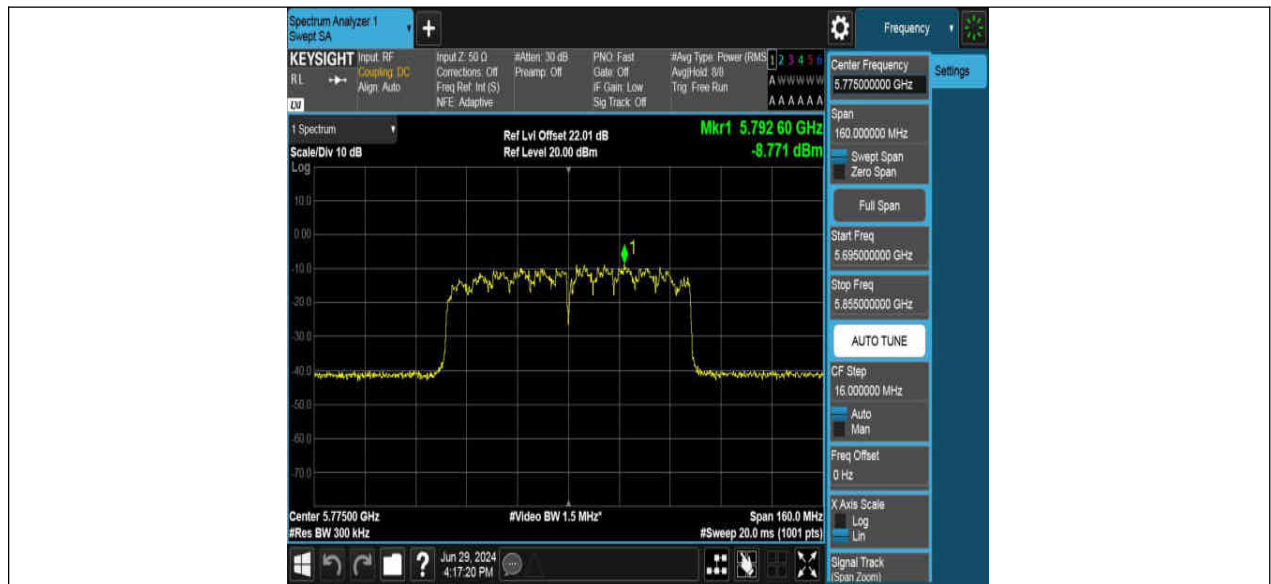












12. Frequency Stability Measurement

12.1. Block Diagram of Test Setup

Same as section 8.1

12.2. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

12.3. Test Procedures

(1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.

(2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.

(3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

12.4. Test Result

Voltage								
Test Mode	Ant.	Freq. (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-6000.00	-1.158301	20	PASS
			LV	NT	-6000.00	-1.158301	20	PASS
			HV	NT	-6000.00	-1.158301	20	PASS
		5200	NV	NT	-14000.00	-2.692308	20	PASS
			LV	NT	-14000.00	-2.692308	20	PASS
			HV	NT	-14000.00	-2.692308	20	PASS
		5240	NV	NT	-12000.00	-2.290076	20	PASS
			LV	NT	-11000.00	-2.099237	20	PASS
			HV	NT	-13000.00	-2.480916	20	PASS
		5260	NV	NT	-11000.00	-2.091255	20	PASS
			LV	NT	-9000.00	-1.711027	20	PASS
			HV	NT	-12000.00	-2.281369	20	PASS
		5280	NV	NT	-11000.00	-2.083333	20	PASS
			LV	NT	-10000.00	-1.893939	20	PASS
			HV	NT	-12000.00	-2.272727	20	PASS
		5320	NV	NT	-10000.00	-1.879699	20	PASS
			LV	NT	-8000.00	-1.503759	20	PASS
			HV	NT	-12000.00	-2.255639	20	PASS
		5500	NV	NT	-13000.00	-2.363636	20	PASS
			LV	NT	-13000.00	-2.363636	20	PASS
			HV	NT	-13000.00	-2.363636	20	PASS
		5580	NV	NT	-9000.00	-1.612903	20	PASS
			LV	NT	-5000.00	-0.896057	20	PASS
			HV	NT	-11000.00	-1.971326	20	PASS
		5700	NV	NT	-11000.00	-1.929825	20	PASS
			LV	NT	-11000.00	-1.929825	20	PASS
			HV	NT	-10000.00	-1.754386	20	PASS
		5720	NV	NT	-9000.00	-1.573427	20	PASS
			LV	NT	-5000.00	-0.874126	20	PASS
			HV	NT	-11000.00	-1.923077	20	PASS
		5745	NV	NT	-13000.00	-2.262837	20	PASS
			LV	NT	-12000.00	-2.088773	20	PASS

		5785	HV	NT	-14000.00	-2.436902	20	PASS
			NV	NT	-9000.00	-1.555748	20	PASS
			LV	NT	-11000.00	-1.901469	20	PASS
			HV	NT	-9000.00	-1.555748	20	PASS
		5825	NV	NT	-8000.00	-1.373391	20	PASS
			LV	NT	-3000.00	-0.515021	20	PASS
			HV	NT	-10000.00	-1.716738	20	PASS
11N20MI MO	Ant1	5180	NV	NT	-10000.00	-1.930502	20	PASS
			LV	NT	-9000.00	-1.737452	20	PASS
			HV	NT	-11000.00	-2.123552	20	PASS
		5200	NV	NT	-10000.00	-1.923077	20	PASS
			LV	NT	-9000.00	-1.730769	20	PASS
			HV	NT	-11000.00	-2.115385	20	PASS
		5240	NV	NT	-11000.00	-2.099237	20	PASS
			LV	NT	-9000.00	-1.717557	20	PASS
			HV	NT	-12000.00	-2.290076	20	PASS
		5260	NV	NT	-12000.00	-2.281369	20	PASS
			LV	NT	-12000.00	-2.281369	20	PASS
			HV	NT	-12000.00	-2.281369	20	PASS
		5280	NV	NT	-8000.00	-1.515152	20	PASS
			LV	NT	-6000.00	-1.136364	20	PASS
			HV	NT	-9000.00	-1.704545	20	PASS
		5320	NV	NT	-10000.00	-1.879699	20	PASS
			LV	NT	-8000.00	-1.503759	20	PASS
			HV	NT	-12000.00	-2.255639	20	PASS
		5500	NV	NT	-4000.00	-0.727273	20	PASS
			LV	NT	-6000.00	-1.090909	20	PASS
			HV	NT	-4000.00	-0.727273	20	PASS
		5580	NV	NT	-4000.00	-0.716846	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-7000.00	-1.254480	20	PASS
		5700	NV	NT	-5000.00	-0.877193	20	PASS
			LV	NT	-6000.00	-1.052632	20	PASS
			HV	NT	-5000.00	-0.877193	20	PASS
		5720	NV	NT	-5000.00	-0.874126	20	PASS
			LV	NT	-1000.00	-0.174825	20	PASS
			HV	NT	-9000.00	-1.573427	20	PASS
		5745	NV	NT	-13000.00	-2.262837	20	PASS
			LV	NT	-13000.00	-2.262837	20	PASS
			HV	NT	-14000.00	-2.436902	20	PASS
		5785	NV	NT	-12000.00	-2.074330	20	PASS
			LV	NT	-12000.00	-2.074330	20	PASS
			HV	NT	-13000.00	-2.247191	20	PASS
		5825	NV	NT	-10000.00	-1.716738	20	PASS
			LV	NT	-9000.00	-1.545064	20	PASS
			HV	NT	-11000.00	-1.888412	20	PASS
11N40MI MO	Ant1	5190	NV	NT	-7000.00	-1.348748	20	PASS
			LV	NT	-5000.00	-0.963391	20	PASS
			HV	NT	-8000.00	-1.541426	20	PASS
		5230	NV	NT	-8000.00	-1.529637	20	PASS
			LV	NT	-6000.00	-1.147228	20	PASS
			HV	NT	-9000.00	-1.720841	20	PASS
		5270	NV	NT	-7000.00	-1.328273	20	PASS
			LV	NT	-4000.00	-0.759013	20	PASS
			HV	NT	-8000.00	-1.518027	20	PASS
		5310	NV	NT	-6000.00	-1.129944	20	PASS
			LV	NT	-4000.00	-0.753296	20	PASS
			HV	NT	-8000.00	-1.506591	20	PASS
		5510	NV	NT	-3000.00	-0.544465	20	PASS
			LV	NT	-4000.00	-0.725953	20	PASS