

8 Appendix G: Frequency Stability

8.1 Test Result

The antenna port 1 and antenna port 2 support 2x2 MIMO with identical RF transmission, therefor only antenna port 1 tested and record the data.

Only antenna port 1 was tested.

The operation temperature range is -30 to 50 °C declared by the manufacture.

the nominal supply voltage is 120V.

VL: Lowest voltage is 85% of normal voltage.

VH: Highest voltage is 115% of the nominal supply voltage.

NT: Normal temperature 25°C .

The 20ppm frequency deviation can demonstrate all emission is maintained within the band of operation.



Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11N20SISO	Ant1	5180	NV	NT	-25000	-4.826255	20	PASS
			LV	NT	-24000	-4.633205	20	PASS
			HV	NT	-25000	-4.826255	20	PASS
		5220	NV	NT	-25000	-4.789272	20	PASS
			LV	NT	-25000	-4.789272	20	PASS
			HV	NT	-24000	-4.597701	20	PASS
		5240	NV	NT	-24000	-4.580153	20	PASS
			LV	NT	-24000	-4.580153	20	PASS
			HV	NT	-24000	-4.580153	20	PASS
		5260	NV	NT	-25000	-4.752852	20	PASS
			LV	NT	-25000	-4.752852	20	PASS
			HV	NT	-24000	-4.562738	20	PASS
		5300	NV	NT	-25000	-4.716981	20	PASS
			LV	NT	-25000	-4.716981	20	PASS
			HV	NT	-25000	-4.716981	20	PASS
		5320	NV	NT	-25000	-4.699248	20	PASS
			LV	NT	-25000	-4.699248	20	PASS
			HV	NT	-25000	-4.699248	20	PASS
		5500	NV	NT	-23000	-4.181818	20	PASS
			LV	NT	-23000	-4.181818	20	PASS
			HV	NT	-23000	-4.181818	20	PASS
		5580	NV	NT	-23000	-4.121864	20	PASS
			LV	NT	-23000	-4.121864	20	PASS
			HV	NT	-23000	-4.121864	20	PASS
		5700	NV	NT	-24000	-4.210526	20	PASS
			LV	NT	-24000	-4.210526	20	PASS
			HV	NT	-24000	-4.210526	20	PASS
		5745	NV	NT	-24000	-4.177546	20	PASS
			LV	NT	-25000	-4.35161	20	PASS
			HV	NT	-24000	-4.177546	20	PASS
		5785	NV	NT	-25000	-4.321521	20	PASS
			LV	NT	-25000	-4.321521	20	PASS
			HV	NT	-25000	-4.321521	20	PASS
		5825	NV	NT	-25000	-4.291845	20	PASS
			LV	NT	-25000	-4.291845	20	PASS
			HV	NT	-25000	-4.291845	20	PASS



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Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11N40SISO	Ant1	5190	NV	NT	-23000	-4.431599	20	PASS
			LV	NT	-23000	-4.431599	20	PASS
			HV	NT	-23000	-4.431599	20	PASS
		5230	NV	NT	-23000	-4.397706	20	PASS
			LV	NT	-23000	-4.397706	20	PASS
			HV	NT	-23000	-4.397706	20	PASS
		5510	NV	NT	-24000	-4.355717	20	PASS
			LV	NT	-24000	-4.355717	20	PASS
			HV	NT	-24000	-4.355717	20	PASS
		5550	NV	NT	-22000	-3.963964	20	PASS
			LV	NT	-22000	-3.963964	20	PASS
			HV	NT	-22000	-3.963964	20	PASS
		5670	NV	NT	-25000	-4.409171	20	PASS
			LV	NT	-24000	-4.232804	20	PASS
			HV	NT	-24000	-4.232804	20	PASS
		5755	NV	NT	-25000	-4.344049	20	PASS
			LV	NT	-25000	-4.344049	20	PASS
			HV	NT	-25000	-4.344049	20	PASS
		5795	NV	NT	-23000	-3.968939	20	PASS
			LV	NT	-23000	-3.968939	20	PASS
			HV	NT	-23000	-3.968939	20	PASS



Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	NT	-22000	-4.247104	20	PASS
			LV	NT	-23000	-4.440154	20	PASS
			HV	NT	-22000	-4.247104	20	PASS
		5220	NV	NT	-22000	-4.214559	20	PASS
			LV	NT	-22000	-4.214559	20	PASS
			HV	NT	-22000	-4.214559	20	PASS
		5240	NV	NT	-22000	-4.198473	20	PASS
			LV	NT	-22000	-4.198473	20	PASS
			HV	NT	-22000	-4.198473	20	PASS
		5260	NV	NT	-23000	-4.372624	20	PASS
			LV	NT	-22000	-4.18251	20	PASS
			HV	NT	-22000	-4.18251	20	PASS
		5300	NV	NT	-23000	-4.339623	20	PASS
			LV	NT	-23000	-4.339623	20	PASS
			HV	NT	-23000	-4.339623	20	PASS
		5320	NV	NT	-23000	-4.323308	20	PASS
			LV	NT	-23000	-4.323308	20	PASS
			HV	NT	-23000	-4.323308	20	PASS
		5500	NV	NT	-24000	-4.363636	20	PASS
			LV	NT	-23000	-4.181818	20	PASS
			HV	NT	-24000	-4.363636	20	PASS
		5580	NV	NT	-24000	-4.301075	20	PASS
			LV	NT	-24000	-4.301075	20	PASS
			HV	NT	-24000	-4.301075	20	PASS
		5700	NV	NT	-24000	-4.210526	20	PASS
			LV	NT	-24000	-4.210526	20	PASS
			HV	NT	-25000	-4.385965	20	PASS
		5745	NV	NT	-25000	-4.35161	20	PASS
			LV	NT	-25000	-4.35161	20	PASS
			HV	NT	-25000	-4.35161	20	PASS
		5785	NV	NT	-25000	-4.321521	20	PASS
			LV	NT	-25000	-4.321521	20	PASS
			HV	NT	-25000	-4.321521	20	PASS
		5825	NV	NT	-3000	-0.515021	20	PASS
			LV	NT	-6000	-1.030043	20	PASS
			HV	NT	-6000	-1.030043	20	PASS



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Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC40SIS O	Ant1	5190	NV	NT	-18000	-3.468208	20	PASS
			LV	NT	-18000	-3.468208	20	PASS
			HV	NT	-18000	-3.468208	20	PASS
		5230	NV	NT	-20000	-3.824092	20	PASS
			LV	NT	-20000	-3.824092	20	PASS
			HV	NT	-20000	-3.824092	20	PASS
		5270	NV	NT	-22000	-4.174573	20	PASS
			LV	NT	-22000	-4.174573	20	PASS
			HV	NT	-22000	-4.174573	20	PASS
		5310	NV	NT	-24000	-4.519774	20	PASS
			LV	NT	-24000	-4.519774	20	PASS
			HV	NT	-24000	-4.519774	20	PASS
		5510	NV	NT	-25000	-4.537205	20	PASS
			LV	NT	-25000	-4.537205	20	PASS
			HV	NT	-25000	-4.537205	20	PASS
		5550	NV	NT	-25000	-4.504505	20	PASS
			LV	NT	-25000	-4.504505	20	PASS
			HV	NT	-25000	-4.504505	20	PASS
		5670	NV	NT	-26000	-4.585538	20	PASS
			LV	NT	-26000	-4.585538	20	PASS
			HV	NT	-26000	-4.585538	20	PASS
		5755	NV	NT	-27000	-4.691573	20	PASS
			LV	NT	-27000	-4.691573	20	PASS
			HV	NT	-27000	-4.691573	20	PASS
		5795	NV	NT	-27000	-4.659189	20	PASS
			LV	NT	-27000	-4.659189	20	PASS
			HV	NT	-27000	-4.659189	20	PASS
11AC80SIS O	Ant1	5210	NV	NT	-25000	-4.798464	20	PASS
			LV	NT	-25000	-4.798464	20	PASS
			HV	NT	-25000	-4.798464	20	PASS
		5290	NV	NT	-24000	-4.536862	20	PASS
			LV	NT	-24000	-4.536862	20	PASS
			HV	NT	-24000	-4.536862	20	PASS
		5530	NV	NT	-25000	-4.520796	20	PASS
			LV	NT	-25000	-4.520796	20	PASS
			HV	NT	-26000	-4.701627	20	PASS
		5610	NV	NT	-26000	-4.634581	20	PASS
			LV	NT	-26000	-4.634581	20	PASS
			HV	NT	-26000	-4.634581	20	PASS
		5775	NV	NT	-26000	-4.502165	20	PASS
			LV	NT	-27000	-4.675325	20	PASS
			HV	NT	-26000	-4.502165	20	PASS



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Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11N20SISO	Ant1	5180	NV	-30	-25000	-4.826255	20	PASS
			NV	-20	-25000	-4.826255	20	PASS
			NV	-10	-25000	-4.826255	20	PASS
			NV	0	-24000	-4.633205	20	PASS
			NV	10	-25000	-4.826255	20	PASS
			NV	20	-25000	-4.826255	20	PASS
			NV	30	-25000	-4.826255	20	PASS
			NV	40	-25000	-4.826255	20	PASS
			NV	50	-25000	-4.826255	20	PASS
		5220	NV	-30	-24000	-4.597701	20	PASS
			NV	-20	-24000	-4.597701	20	PASS
			NV	-10	-24000	-4.597701	20	PASS
			NV	0	-25000	-4.789272	20	PASS
			NV	10	-24000	-4.597701	20	PASS
			NV	20	-24000	-4.597701	20	PASS
			NV	30	-24000	-4.597701	20	PASS
			NV	40	-24000	-4.597701	20	PASS
			NV	50	-25000	-4.789272	20	PASS
		5240	NV	-30	-24000	-4.580153	20	PASS
			NV	-20	-24000	-4.580153	20	PASS
			NV	-10	-24000	-4.580153	20	PASS
			NV	0	-25000	-4.770992	20	PASS
			NV	10	-24000	-4.580153	20	PASS
			NV	20	-24000	-4.580153	20	PASS
			NV	30	-24000	-4.580153	20	PASS
			NV	40	-24000	-4.580153	20	PASS
			NV	50	-24000	-4.580153	20	PASS
		5260	NV	-30	-24000	-4.562738	20	PASS
			NV	-20	-25000	-4.752852	20	PASS



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			NV	-10	-25000	-4.752852	20	PASS
			NV	0	-25000	-4.752852	20	PASS
			NV	10	-25000	-4.752852	20	PASS
			NV	20	-24000	-4.562738	20	PASS
			NV	30	-25000	-4.752852	20	PASS
			NV	40	-25000	-4.752852	20	PASS
			NV	50	-24000	-4.562738	20	PASS
		5300	NV	-30	-25000	-4.716981	20	PASS
			NV	-20	-25000	-4.716981	20	PASS
			NV	-10	-25000	-4.716981	20	PASS
			NV	0	-25000	-4.716981	20	PASS
			NV	10	-25000	-4.716981	20	PASS
			NV	20	-25000	-4.716981	20	PASS
			NV	30	-25000	-4.716981	20	PASS
			NV	40	-25000	-4.716981	20	PASS
			NV	50	-25000	-4.716981	20	PASS
		5320	NV	-30	-25000	-4.699248	20	PASS
			NV	-20	-25000	-4.699248	20	PASS
			NV	-10	-25000	-4.699248	20	PASS
			NV	0	-25000	-4.699248	20	PASS
			NV	10	-25000	-4.699248	20	PASS
			NV	20	-25000	-4.699248	20	PASS
			NV	30	-25000	-4.699248	20	PASS
			NV	40	-24000	-4.511278	20	PASS
			NV	50	-25000	-4.699248	20	PASS
		5500	NV	-30	-23000	-4.181818	20	PASS
			NV	-20	-23000	-4.181818	20	PASS
			NV	-10	-23000	-4.181818	20	PASS
			NV	0	-23000	-4.181818	20	PASS
			NV	10	-23000	-4.181818	20	PASS
			NV	20	-23000	-4.181818	20	PASS
			NV	30	-23000	-4.181818	20	PASS



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			NV	40	-23000	-4.181818	20	PASS
			NV	50	-23000	-4.181818	20	PASS
		5580	NV	-30	-23000	-4.121864	20	PASS
			NV	-20	-23000	-4.121864	20	PASS
			NV	-10	-23000	-4.121864	20	PASS
			NV	0	-23000	-4.121864	20	PASS
			NV	10	-23000	-4.121864	20	PASS
			NV	20	-23000	-4.121864	20	PASS
			NV	30	-23000	-4.121864	20	PASS
			NV	40	-23000	-4.121864	20	PASS
			NV	50	-23000	-4.121864	20	PASS
		5700	NV	-30	-24000	-4.210526	20	PASS
			NV	-20	-24000	-4.210526	20	PASS
			NV	-10	-24000	-4.210526	20	PASS
			NV	0	-24000	-4.210526	20	PASS
			NV	10	-24000	-4.210526	20	PASS
			NV	20	-24000	-4.210526	20	PASS
			NV	30	-24000	-4.210526	20	PASS
			NV	40	-24000	-4.210526	20	PASS
			NV	50	-24000	-4.210526	20	PASS
		5745	NV	-30	-24000	-4.177546	20	PASS
			NV	-20	-25000	-4.35161	20	PASS
			NV	-10	-24000	-4.177546	20	PASS
			NV	0	-25000	-4.35161	20	PASS
			NV	10	-24000	-4.177546	20	PASS
			NV	20	-25000	-4.35161	20	PASS
			NV	30	-24000	-4.177546	20	PASS
			NV	40	-24000	-4.177546	20	PASS
			NV	50	-25000	-4.35161	20	PASS
		5785	NV	-30	-25000	-4.321521	20	PASS
			NV	-20	-25000	-4.321521	20	PASS
			NV	-10	-25000	-4.321521	20	PASS



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			NV	0	-25000	-4.321521	20	PASS
			NV	10	-25000	-4.321521	20	PASS
			NV	20	-25000	-4.321521	20	PASS
			NV	30	-25000	-4.321521	20	PASS
			NV	40	-25000	-4.321521	20	PASS
			NV	50	-25000	-4.321521	20	PASS
		5825	NV	-30	-25000	-4.291845	20	PASS
			NV	-20	-25000	-4.291845	20	PASS
			NV	-10	-25000	-4.291845	20	PASS
			NV	0	-25000	-4.291845	20	PASS
			NV	10	-25000	-4.291845	20	PASS
			NV	20	-25000	-4.291845	20	PASS
			NV	30	-25000	-4.291845	20	PASS
			NV	40	-25000	-4.291845	20	PASS
			NV	50	-25000	-4.291845	20	PASS
11N40SISO	Ant1	5190	NV	-30	-23000	-4.431599	20	PASS
			NV	-20	-23000	-4.431599	20	PASS
			NV	-10	-23000	-4.431599	20	PASS
			NV	0	-23000	-4.431599	20	PASS
			NV	10	-23000	-4.431599	20	PASS
			NV	20	-23000	-4.431599	20	PASS
			NV	30	-23000	-4.431599	20	PASS
			NV	40	-23000	-4.431599	20	PASS
			NV	50	-23000	-4.431599	20	PASS
		5230	NV	-30	-23000	-4.397706	20	PASS
			NV	-20	-23000	-4.397706	20	PASS
			NV	-10	-23000	-4.397706	20	PASS
			NV	0	-23000	-4.397706	20	PASS
			NV	10	-23000	-4.397706	20	PASS
			NV	20	-23000	-4.397706	20	PASS
			NV	30	-23000	-4.397706	20	PASS
			NV	40	-23000	-4.397706	20	PASS
			NV	50	-23000	-4.397706	20	PASS



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		5510	NV	50	-23000	-4.397706	20	PASS
			NV	-30	-24000	-4.355717	20	PASS
			NV	-20	-24000	-4.355717	20	PASS
			NV	-10	-24000	-4.355717	20	PASS
			NV	0	-24000	-4.355717	20	PASS
			NV	10	-24000	-4.355717	20	PASS
			NV	20	-24000	-4.355717	20	PASS
			NV	30	-24000	-4.355717	20	PASS
			NV	40	-24000	-4.355717	20	PASS
			NV	50	-24000	-4.355717	20	PASS
		5550	NV	-30	-22000	-3.963964	20	PASS
			NV	-20	-22000	-3.963964	20	PASS
			NV	-10	-22000	-3.963964	20	PASS
			NV	0	-22000	-3.963964	20	PASS
			NV	10	-22000	-3.963964	20	PASS
			NV	20	-22000	-3.963964	20	PASS
			NV	30	-23000	-4.144144	20	PASS
			NV	40	-22000	-3.963964	20	PASS
			NV	50	-22000	-3.963964	20	PASS
		5670	NV	-30	-24000	-4.232804	20	PASS
			NV	-20	-24000	-4.232804	20	PASS
			NV	-10	-24000	-4.232804	20	PASS
			NV	0	-24000	-4.232804	20	PASS
			NV	10	-24000	-4.232804	20	PASS
			NV	20	-24000	-4.232804	20	PASS
			NV	30	-24000	-4.232804	20	PASS
			NV	40	-24000	-4.232804	20	PASS
			NV	50	-25000	-4.409171	20	PASS
		5755	NV	-30	-25000	-4.344049	20	PASS
			NV	-20	-25000	-4.344049	20	PASS
			NV	-10	-25000	-4.344049	20	PASS
			NV	0	-25000	-4.344049	20	PASS



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			NV	10	-24000	-4.170287	20	PASS
			NV	20	-25000	-4.344049	20	PASS
			NV	30	-25000	-4.344049	20	PASS
			NV	40	-24000	-4.170287	20	PASS
			NV	50	-25000	-4.344049	20	PASS
		5795	NV	-30	-23000	-3.968939	20	PASS
			NV	-20	-23000	-3.968939	20	PASS
			NV	-10	-23000	-3.968939	20	PASS
			NV	0	-24000	-4.141501	20	PASS
			NV	10	-23000	-3.968939	20	PASS
			NV	20	-23000	-3.968939	20	PASS
			NV	30	-23000	-3.968939	20	PASS
			NV	40	-23000	-3.968939	20	PASS
			NV	50	-23000	-3.968939	20	PASS
11AC20SIS O	Ant1	5180	NV	-30	-22000	-4.247104	20	PASS
			NV	-20	-22000	-4.247104	20	PASS
			NV	-10	-22000	-4.247104	20	PASS
			NV	0	-22000	-4.247104	20	PASS
			NV	10	-22000	-4.247104	20	PASS
			NV	20	-22000	-4.247104	20	PASS
			NV	30	-22000	-4.247104	20	PASS
			NV	40	-22000	-4.247104	20	PASS
			NV	50	-22000	-4.247104	20	PASS
		5220	NV	-30	-22000	-4.214559	20	PASS
			NV	-20	-23000	-4.40613	20	PASS
			NV	-10	-22000	-4.214559	20	PASS
			NV	0	-22000	-4.214559	20	PASS
			NV	10	-22000	-4.214559	20	PASS
			NV	20	-22000	-4.214559	20	PASS
			NV	30	-22000	-4.214559	20	PASS
			NV	40	-22000	-4.214559	20	PASS
			NV	50	-22000	-4.214559	20	PASS



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		5240	NV	-30	-22000	-4.198473	20	PASS
			NV	-20	-22000	-4.198473	20	PASS
			NV	-10	-23000	-4.389313	20	PASS
			NV	0	-23000	-4.389313	20	PASS
			NV	10	-23000	-4.389313	20	PASS
			NV	20	-22000	-4.198473	20	PASS
			NV	30	-22000	-4.198473	20	PASS
			NV	40	-22000	-4.198473	20	PASS
			NV	50	-23000	-4.389313	20	PASS
		5260	NV	-30	-23000	-4.372624	20	PASS
			NV	-20	-23000	-4.372624	20	PASS
			NV	-10	-23000	-4.372624	20	PASS
			NV	0	-23000	-4.372624	20	PASS
			NV	10	-23000	-4.372624	20	PASS
			NV	20	-22000	-4.18251	20	PASS
			NV	30	-22000	-4.18251	20	PASS
			NV	40	-23000	-4.372624	20	PASS
			NV	50	-23000	-4.372624	20	PASS
		5300	NV	-30	-23000	-4.339623	20	PASS
			NV	-20	-23000	-4.339623	20	PASS
			NV	-10	-23000	-4.339623	20	PASS
			NV	0	-22000	-4.150943	20	PASS
			NV	10	-23000	-4.339623	20	PASS
			NV	20	-23000	-4.339623	20	PASS
			NV	30	-23000	-4.339623	20	PASS
			NV	40	-23000	-4.339623	20	PASS
			NV	50	-22000	-4.150943	20	PASS
		5320	NV	-30	-23000	-4.323308	20	PASS
			NV	-20	-22000	-4.135338	20	PASS
			NV	-10	-23000	-4.323308	20	PASS
			NV	0	-23000	-4.323308	20	PASS
			NV	10	-22000	-4.135338	20	PASS



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			NV	20	-22000	-4.135338	20	PASS
			NV	30	-23000	-4.323308	20	PASS
			NV	40	-22000	-4.135338	20	PASS
			NV	50	-23000	-4.323308	20	PASS
		5500	NV	-30	-24000	-4.363636	20	PASS
			NV	-20	-23000	-4.181818	20	PASS
			NV	-10	-23000	-4.181818	20	PASS
			NV	0	-23000	-4.181818	20	PASS
			NV	10	-23000	-4.181818	20	PASS
			NV	20	-23000	-4.181818	20	PASS
			NV	30	-23000	-4.181818	20	PASS
			NV	40	-23000	-4.181818	20	PASS
			NV	50	-23000	-4.181818	20	PASS
		5580	NV	-30	-24000	-4.301075	20	PASS
			NV	-20	-24000	-4.301075	20	PASS
			NV	-10	-23000	-4.121864	20	PASS
			NV	0	-24000	-4.301075	20	PASS
			NV	10	-24000	-4.301075	20	PASS
			NV	20	-24000	-4.301075	20	PASS
			NV	30	-24000	-4.301075	20	PASS
			NV	40	-23000	-4.121864	20	PASS
			NV	50	-24000	-4.301075	20	PASS
		5700	NV	-30	-24000	-4.210526	20	PASS
			NV	-20	-24000	-4.210526	20	PASS
			NV	-10	-24000	-4.210526	20	PASS
			NV	0	-24000	-4.210526	20	PASS
			NV	10	-24000	-4.210526	20	PASS
			NV	20	-24000	-4.210526	20	PASS
			NV	30	-24000	-4.210526	20	PASS
			NV	40	-24000	-4.210526	20	PASS
			NV	50	-24000	-4.210526	20	PASS
		5745	NV	-30	-25000	-4.35161	20	PASS



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			NV	-20	-25000	-4.35161	20	PASS
			NV	-10	-25000	-4.35161	20	PASS
			NV	0	-25000	-4.35161	20	PASS
			NV	10	-25000	-4.35161	20	PASS
			NV	20	-25000	-4.35161	20	PASS
			NV	30	-25000	-4.35161	20	PASS
			NV	40	-25000	-4.35161	20	PASS
			NV	50	-25000	-4.35161	20	PASS
		5785	NV	-30	-25000	-4.321521	20	PASS
			NV	-20	-24000	-4.14866	20	PASS
			NV	-10	-24000	-4.14866	20	PASS
			NV	0	-24000	-4.14866	20	PASS
			NV	10	-24000	-4.14866	20	PASS
			NV	20	-24000	-4.14866	20	PASS
			NV	30	-24000	-4.14866	20	PASS
			NV	40	-24000	-4.14866	20	PASS
			NV	50	-24000	-4.14866	20	PASS
		5825	NV	-30	-7000	-1.201717	20	PASS
			NV	-20	-8000	-1.373391	20	PASS
			NV	-10	-9000	-1.545064	20	PASS
			NV	0	-9000	-1.545064	20	PASS
			NV	10	-10000	-1.716738	20	PASS
			NV	20	-10000	-1.716738	20	PASS
			NV	30	-11000	-1.888412	20	PASS
			NV	40	-12000	-2.060086	20	PASS
			NV	50	-12000	-2.060086	20	PASS
11AC40SIS O	Ant1	5190	NV	-30	-17000	-3.27553	20	PASS
			NV	-20	-17000	-3.27553	20	PASS
			NV	-10	-17000	-3.27553	20	PASS
			NV	0	-17000	-3.27553	20	PASS
			NV	10	-17000	-3.27553	20	PASS
			NV	20	-18000	-3.468208	20	PASS



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			NV	30	-18000	-3.468208	20	PASS
			NV	40	-18000	-3.468208	20	PASS
			NV	50	-18000	-3.468208	20	PASS
		5230	NV	-30	-20000	-3.824092	20	PASS
			NV	-20	-20000	-3.824092	20	PASS
			NV	-10	-20000	-3.824092	20	PASS
			NV	0	-20000	-3.824092	20	PASS
			NV	10	-19000	-3.632887	20	PASS
			NV	20	-20000	-3.824092	20	PASS
			NV	30	-20000	-3.824092	20	PASS
			NV	40	-20000	-3.824092	20	PASS
			NV	50	-20000	-3.824092	20	PASS
		5270	NV	-30	-22000	-4.174573	20	PASS
			NV	-20	-22000	-4.174573	20	PASS
			NV	-10	-22000	-4.174573	20	PASS
			NV	0	-21000	-3.98482	20	PASS
			NV	10	-22000	-4.174573	20	PASS
			NV	20	-22000	-4.174573	20	PASS
			NV	30	-22000	-4.174573	20	PASS
			NV	40	-22000	-4.174573	20	PASS
			NV	50	-22000	-4.174573	20	PASS
		5310	NV	-30	-24000	-4.519774	20	PASS
			NV	-20	-23000	-4.33145	20	PASS
			NV	-10	-23000	-4.33145	20	PASS
			NV	0	-23000	-4.33145	20	PASS
			NV	10	-24000	-4.519774	20	PASS
			NV	20	-23000	-4.33145	20	PASS
			NV	30	-24000	-4.519774	20	PASS
			NV	40	-24000	-4.519774	20	PASS
			NV	50	-23000	-4.33145	20	PASS
		5510	NV	-30	-25000	-4.537205	20	PASS
			NV	-20	-25000	-4.537205	20	PASS



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			NV	-10	-25000	-4.537205	20	PASS
			NV	0	-24000	-4.355717	20	PASS
			NV	10	-25000	-4.537205	20	PASS
			NV	20	-24000	-4.355717	20	PASS
			NV	30	-24000	-4.355717	20	PASS
			NV	40	-25000	-4.537205	20	PASS
			NV	50	-25000	-4.537205	20	PASS
		5550	NV	-30	-25000	-4.504505	20	PASS
			NV	-20	-25000	-4.504505	20	PASS
			NV	-10	-25000	-4.504505	20	PASS
			NV	0	-26000	-4.684685	20	PASS
			NV	10	-25000	-4.504505	20	PASS
			NV	20	-25000	-4.504505	20	PASS
			NV	30	-25000	-4.504505	20	PASS
			NV	40	-25000	-4.504505	20	PASS
			NV	50	-25000	-4.504505	20	PASS
		5670	NV	-30	-26000	-4.585538	20	PASS
			NV	-20	-26000	-4.585538	20	PASS
			NV	-10	-26000	-4.585538	20	PASS
			NV	0	-26000	-4.585538	20	PASS
			NV	10	-26000	-4.585538	20	PASS
			NV	20	-26000	-4.585538	20	PASS
			NV	30	-26000	-4.585538	20	PASS
			NV	40	-26000	-4.585538	20	PASS
			NV	50	-26000	-4.585538	20	PASS
		5755	NV	-30	-27000	-4.691573	20	PASS
			NV	-20	-27000	-4.691573	20	PASS
			NV	-10	-27000	-4.691573	20	PASS
			NV	0	-27000	-4.691573	20	PASS
			NV	10	-27000	-4.691573	20	PASS
			NV	20	-27000	-4.691573	20	PASS
			NV	30	-27000	-4.691573	20	PASS



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		5795	NV	40	-27000	-4.691573	20	PASS
			NV	50	-27000	-4.691573	20	PASS
			NV	-30	-27000	-4.659189	20	PASS
			NV	-20	-27000	-4.659189	20	PASS
			NV	-10	-27000	-4.659189	20	PASS
			NV	0	-27000	-4.659189	20	PASS
			NV	10	-27000	-4.659189	20	PASS
			NV	20	-27000	-4.659189	20	PASS
			NV	30	-27000	-4.659189	20	PASS
			NV	40	-27000	-4.659189	20	PASS
			NV	50	-27000	-4.659189	20	PASS
11AC80SIS O	Ant1	5210	NV	-30	-25000	-4.798464	20	PASS
			NV	-20	-24000	-4.606526	20	PASS
			NV	-10	-25000	-4.798464	20	PASS
			NV	0	-24000	-4.606526	20	PASS
			NV	10	-25000	-4.798464	20	PASS
			NV	20	-25000	-4.798464	20	PASS
			NV	30	-25000	-4.798464	20	PASS
			NV	40	-25000	-4.798464	20	PASS
			NV	50	-24000	-4.606526	20	PASS
		5290	NV	-30	-24000	-4.536862	20	PASS
			NV	-20	-24000	-4.536862	20	PASS
			NV	-10	-24000	-4.536862	20	PASS
			NV	0	-24000	-4.536862	20	PASS
			NV	10	-24000	-4.536862	20	PASS
			NV	20	-24000	-4.536862	20	PASS
			NV	30	-23000	-4.347826	20	PASS
			NV	40	-24000	-4.536862	20	PASS
			NV	50	-24000	-4.536862	20	PASS
		5530	NV	-30	-25000	-4.520796	20	PASS
			NV	-20	-25000	-4.520796	20	PASS
			NV	-10	-25000	-4.520796	20	PASS



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			NV	0	-25000	-4.520796	20	PASS
			NV	10	-25000	-4.520796	20	PASS
			NV	20	-25000	-4.520796	20	PASS
			NV	30	-25000	-4.520796	20	PASS
			NV	40	-25000	-4.520796	20	PASS
			NV	50	-25000	-4.520796	20	PASS
		5610	NV	-30	-26000	-4.634581	20	PASS
			NV	-20	-25000	-4.456328	20	PASS
			NV	-10	-25000	-4.456328	20	PASS
			NV	0	-26000	-4.634581	20	PASS
			NV	10	-25000	-4.456328	20	PASS
			NV	20	-25000	-4.456328	20	PASS
			NV	30	-25000	-4.456328	20	PASS
			NV	40	-25000	-4.456328	20	PASS
			NV	50	-25000	-4.456328	20	PASS
		5775	NV	-30	-26000	-4.502165	20	PASS
			NV	-20	-26000	-4.502165	20	PASS
			NV	-10	-26000	-4.502165	20	PASS
			NV	0	-26000	-4.502165	20	PASS
			NV	10	-27000	-4.675325	20	PASS
			NV	20	-26000	-4.502165	20	PASS
			NV	30	-26000	-4.502165	20	PASS
			NV	40	-27000	-4.675325	20	PASS
			NV	50	-26000	-4.502165	20	PASS



9 Appendix H: Duty Cycle

9.1 Test Result

The antenna port 1 and antenna port 2 support 2x2 MIMO with identical RF transmission, therefore only antenna port 1 tested and record the data.

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

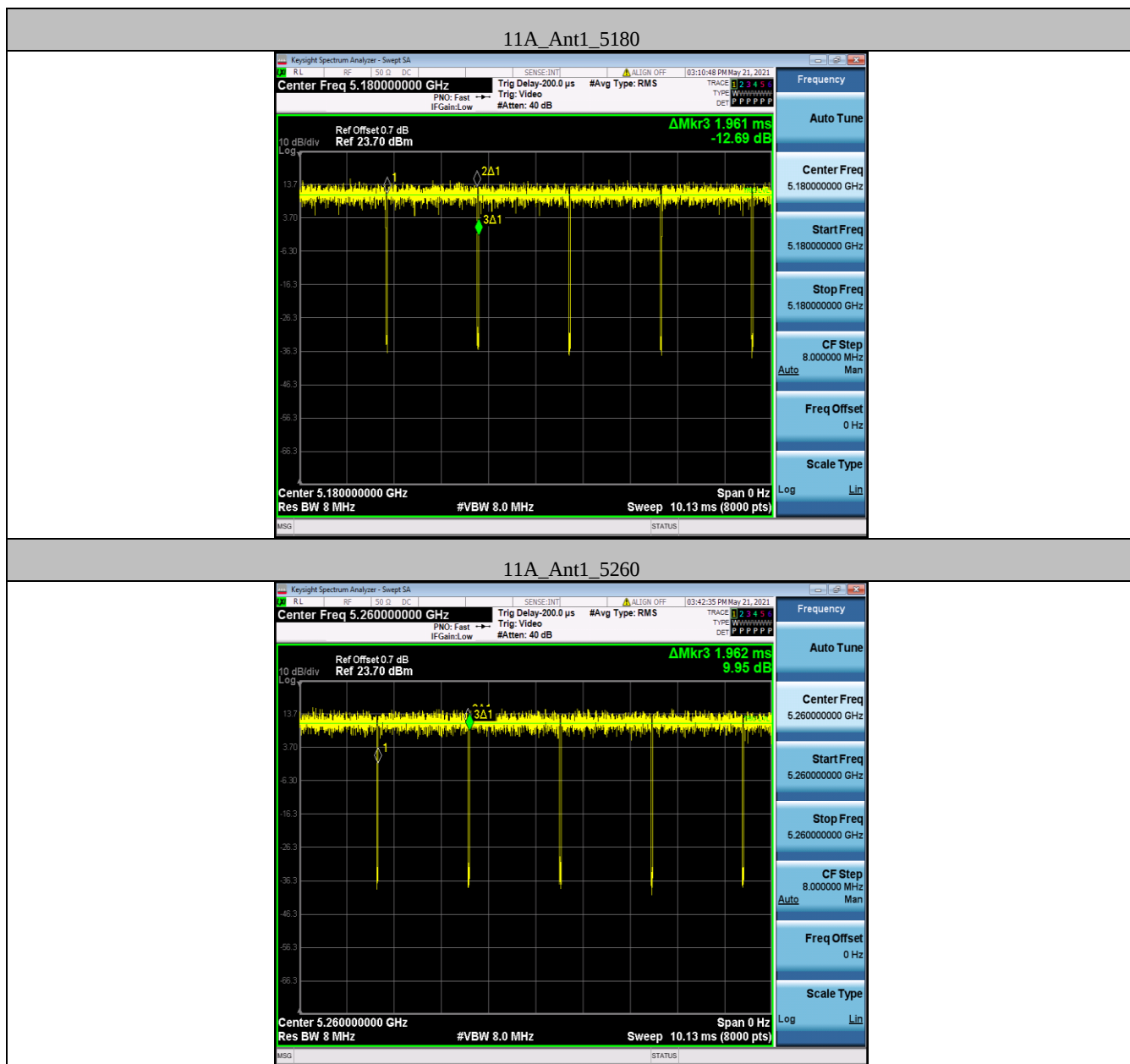
The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.

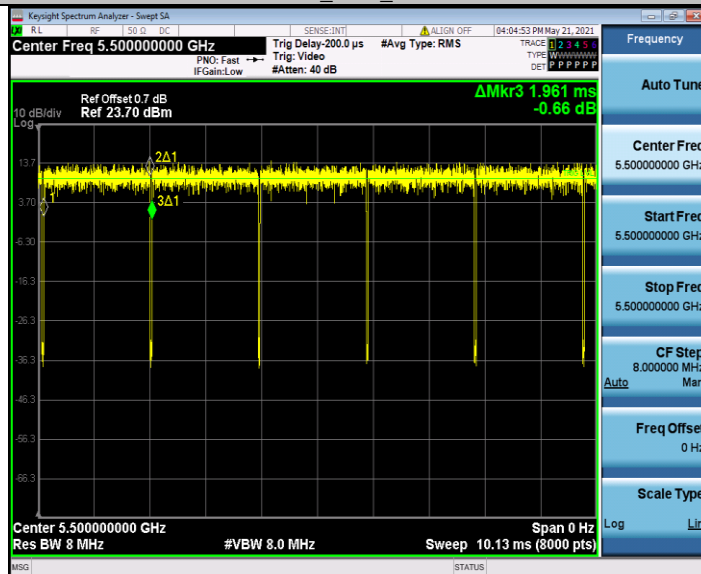
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor: 10log [1/duty cycle]
11 A20 SISO	Ant1	5180	1.92	1.96	98.06	0
		5260	1.92	1.96	98.06	0
		5500	1.92	1.96	98.06	0
		5745	1.92	1.96	98.06	0
11N20SISO	Ant1	5500	0.23	0.26	86.12	0.65
11N40SISO	Ant1	5190	0.95	0.98	96.27	0.17
11AC20SISO	Ant1	5180	1.93	1.97	98.07	0
11AC40SISO	Ant1	5190	0.95	0.99	96.15	0.17
11AC80SISO	Ant1	5210	0.46	0.50	92.39	0.34



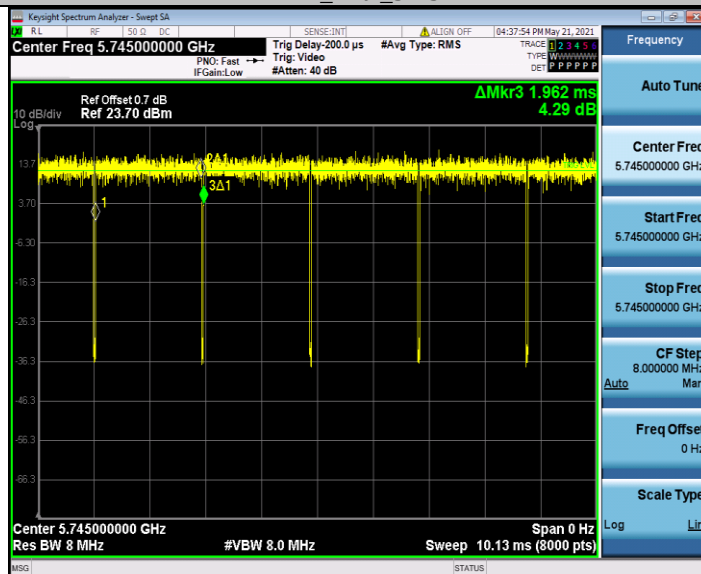
9.2 Test Graphs



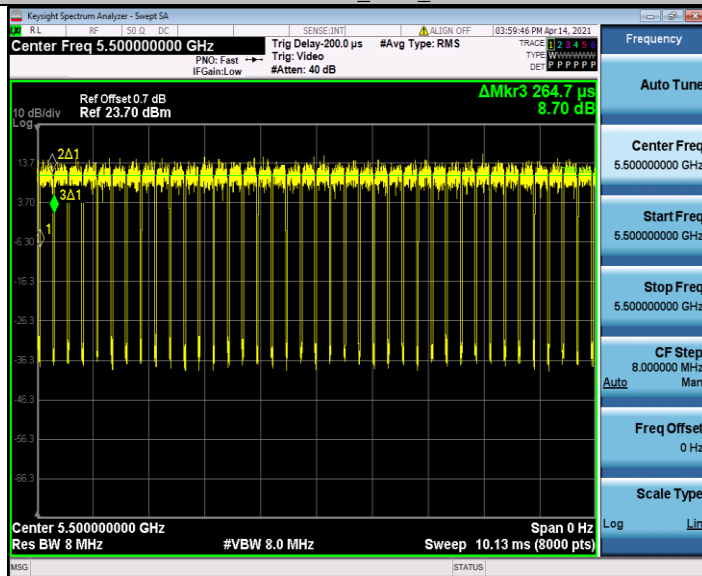
11A_Ant1_5500



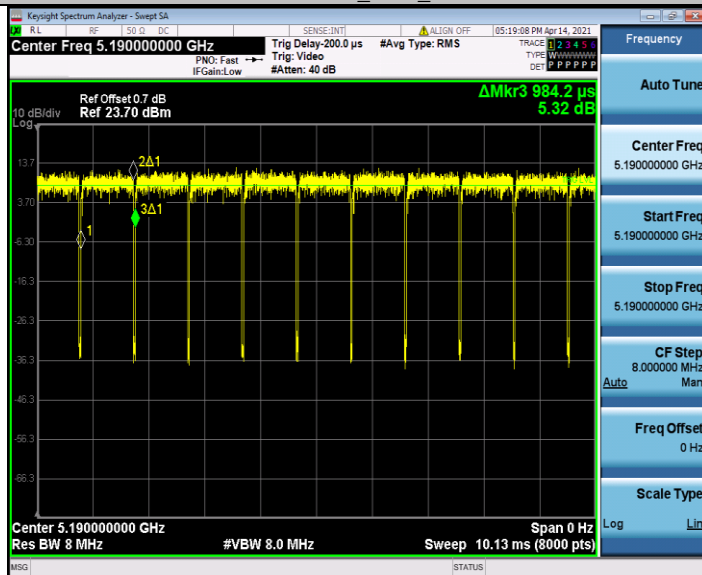
11A_Ant1_5745



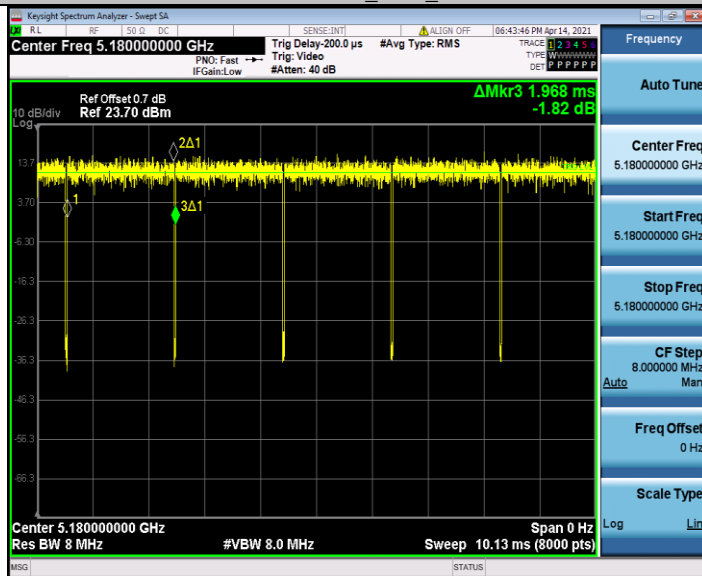
11N20SISO_Ant1_5500



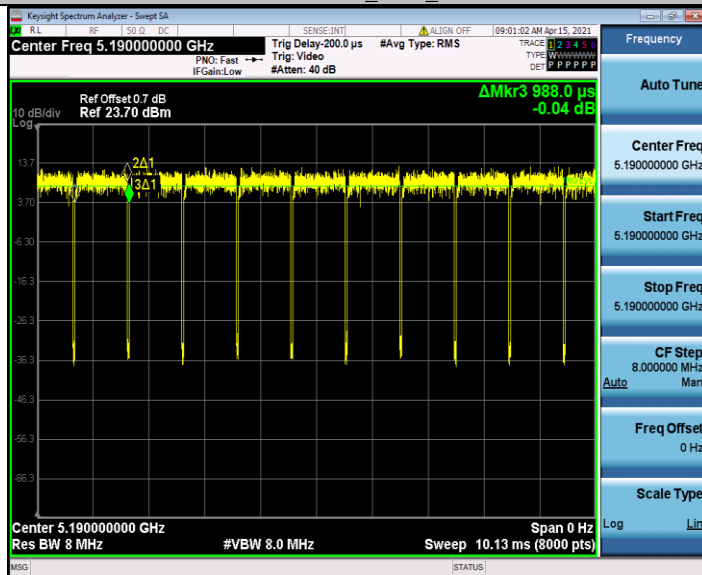
11N40SISO_Ant1_5190



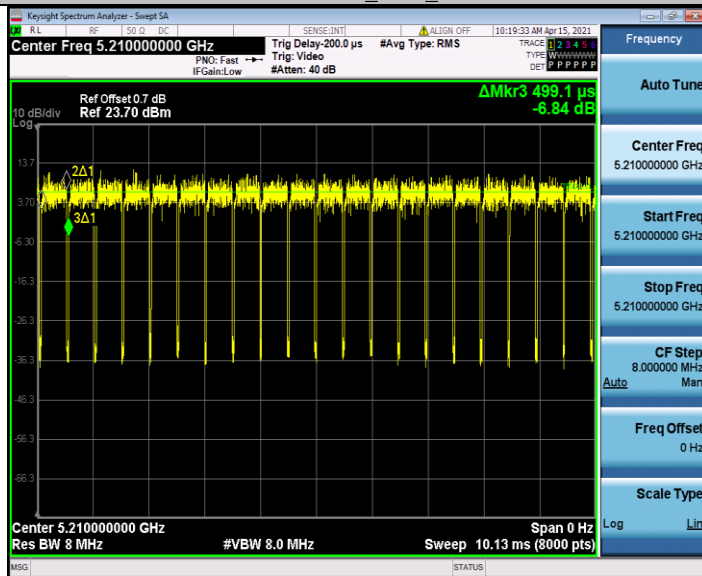
11AC20SISO_Ant1_5180



11AC40SISO_Ant1_5190



11AC80SISO_Ant1_5210



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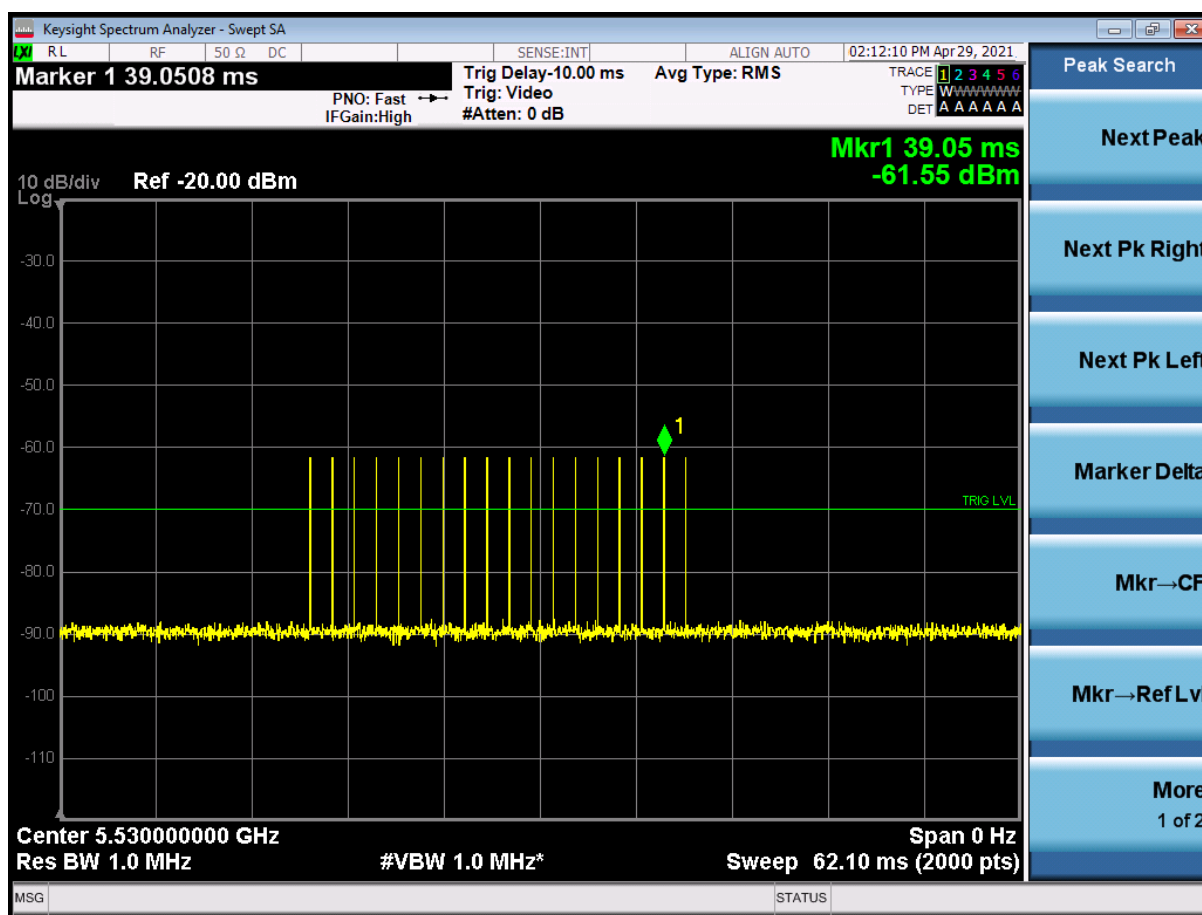
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10 Appendix J: DFS Non-occupancy period and Channel Move Time; Channel Closing Transmission Time

The antenna port 1 and antenna port 2 support 2x2 MIMO with identical RF transmission, therefore only antenna port 1 tested and record the data.

Test be performed at the widest BW mode (802.11ac) channel 5290MHz, 5530MHz,

Radar Waveform Calibration Result Radar Type 0 (5530MHz).



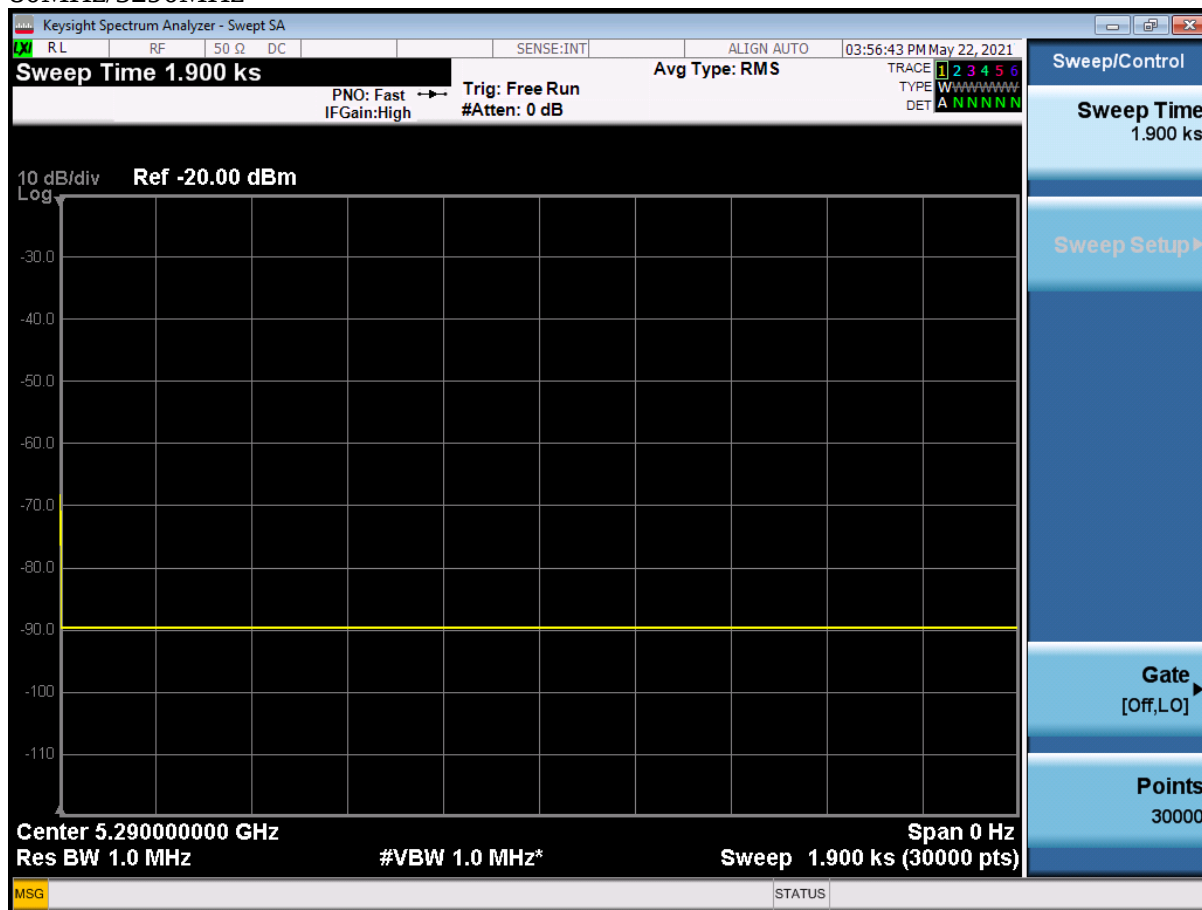
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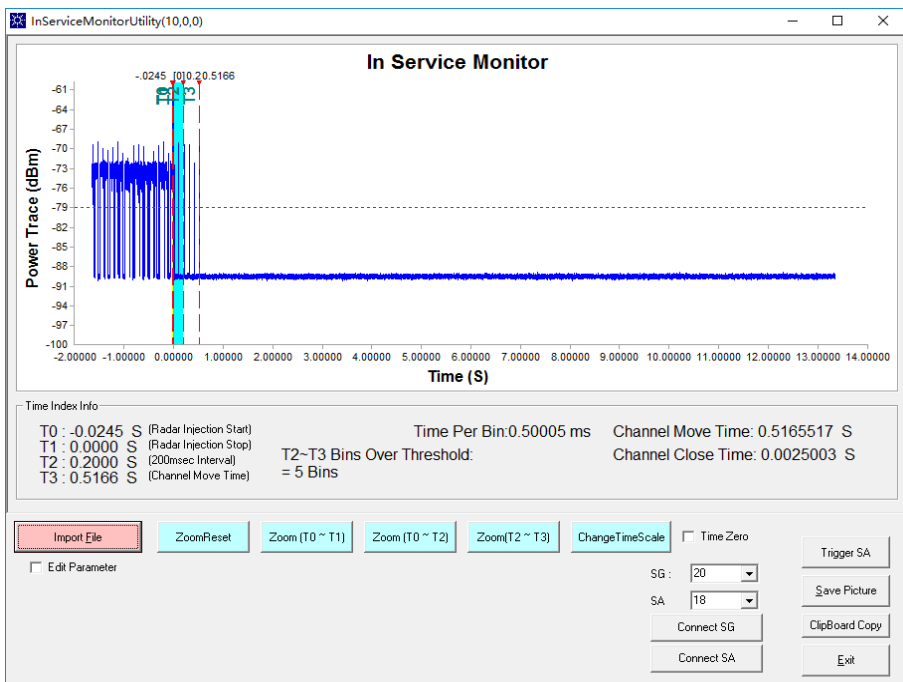
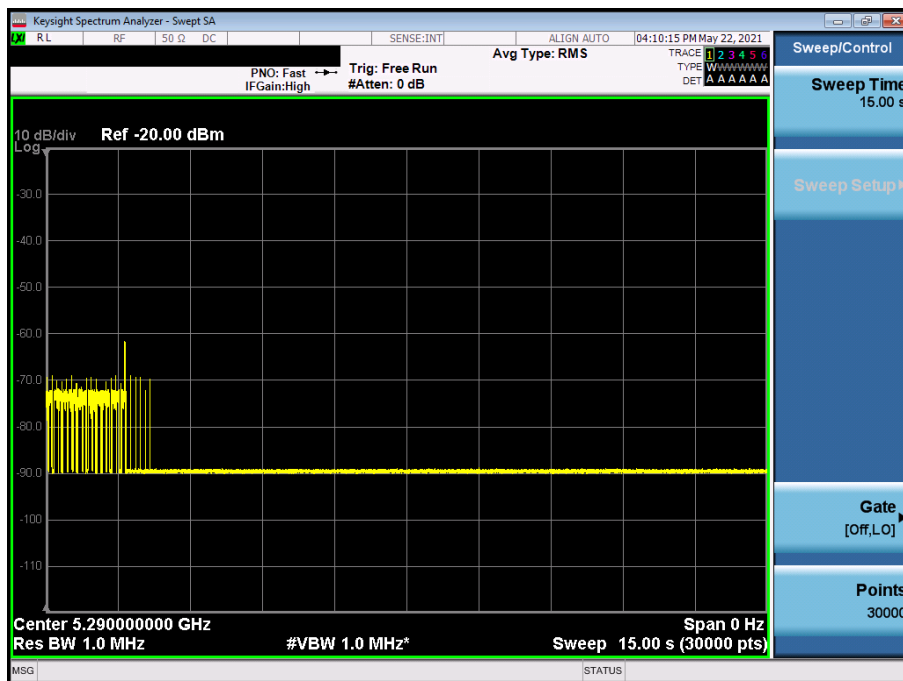
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Test data

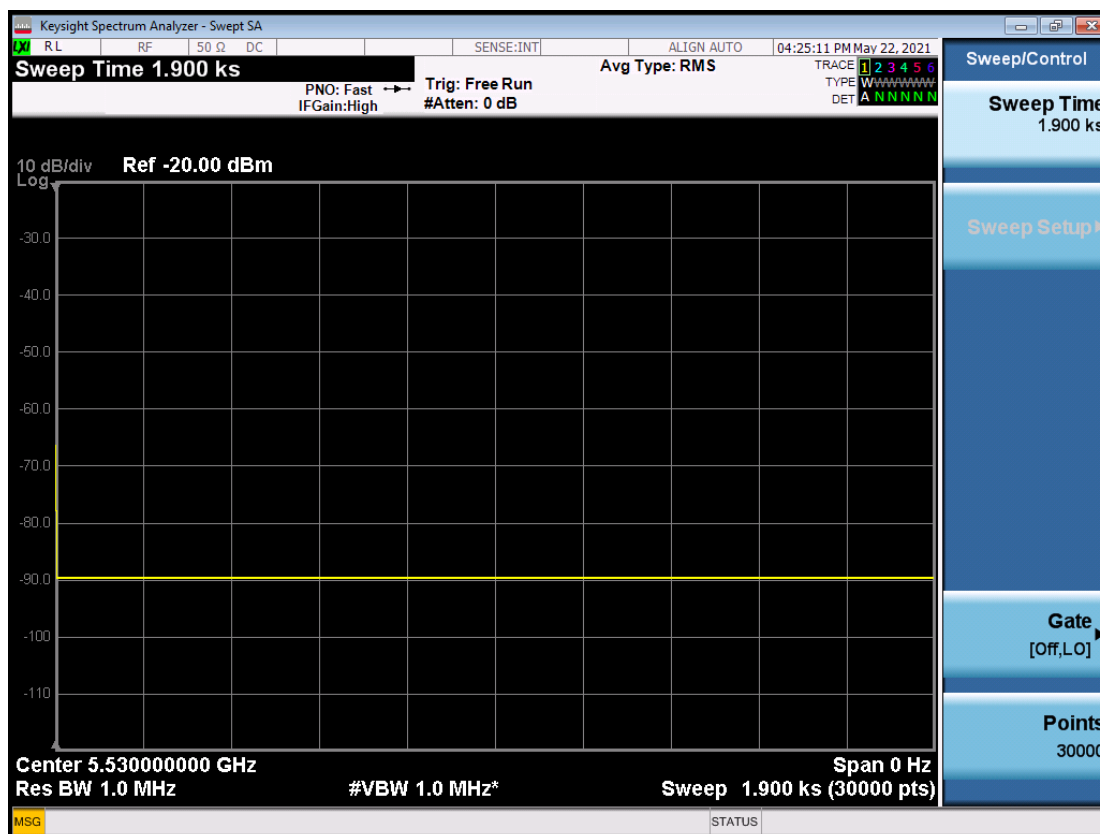
BW/Channel	Test Item	Test Result	Limit	Results
80MHz/5290MHz	Channel Move Time	0.516	<10 s	Pass
	Channel Closing Transmission Time	2.5	<60ms	Pass
80MHz/5530MHz	Channel Move Time	0.452	<10 s	Pass
	Channel Closing Transmission Time	2.0	<60ms	Pass

80MHz/5290MHz



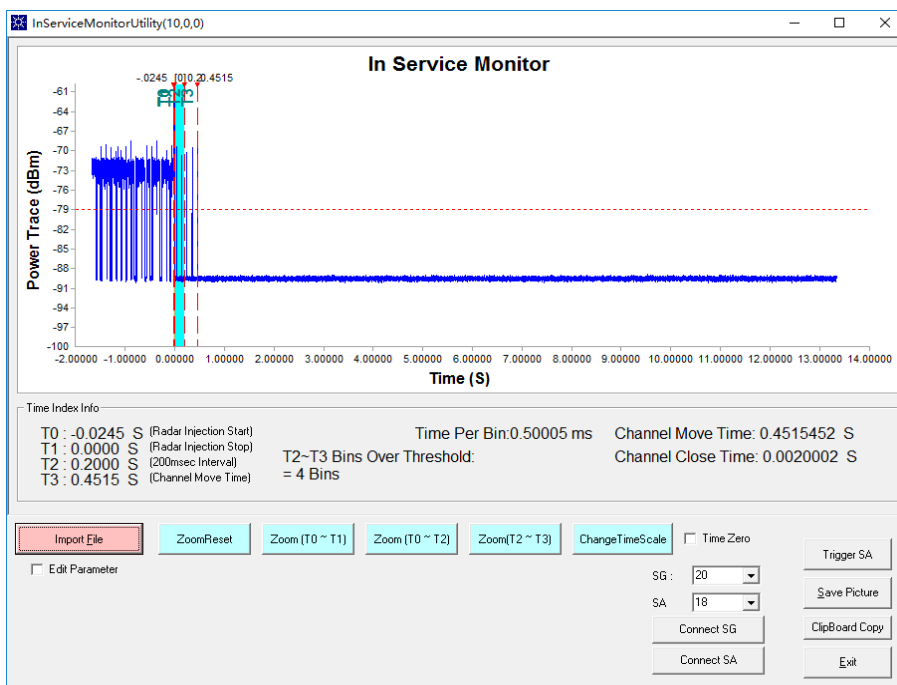
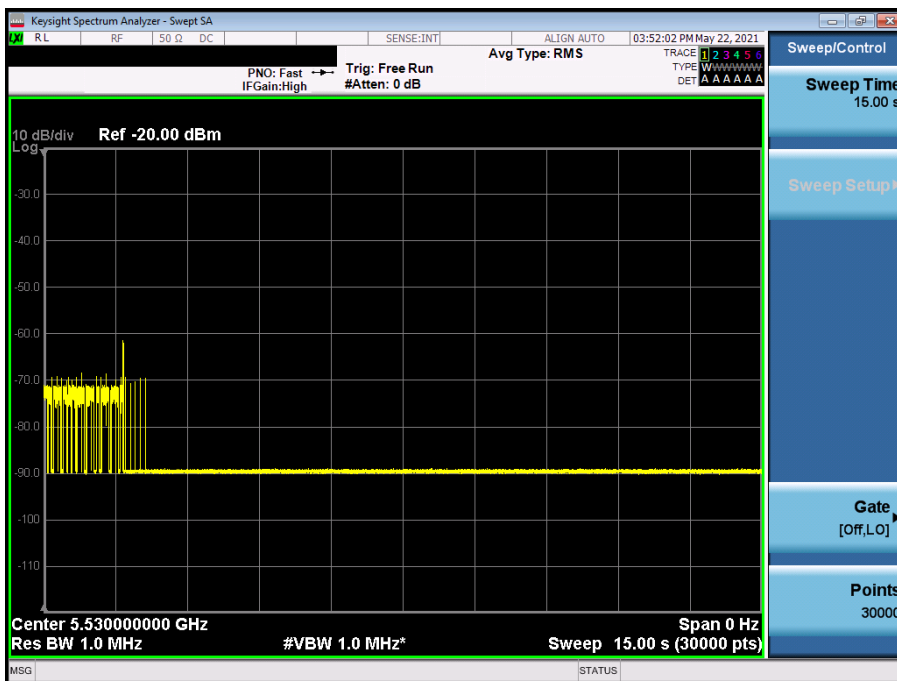


80MHz/5530MHz



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--End of Appendix FCC Test Result--



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