





11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



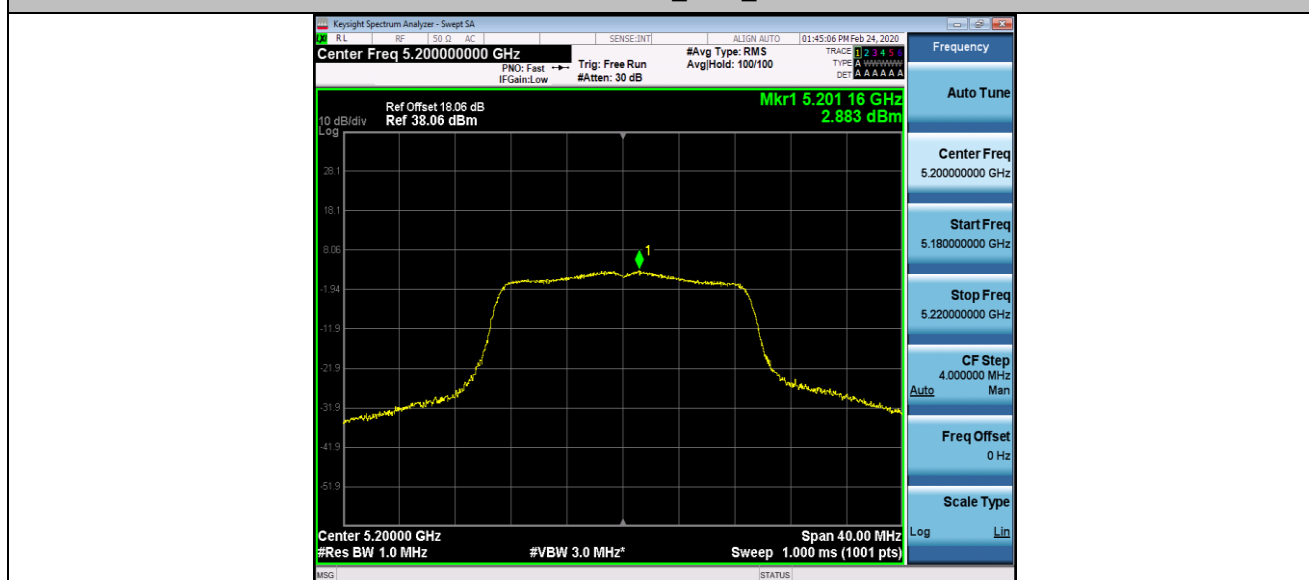
11N40SISO_Ant1_5230



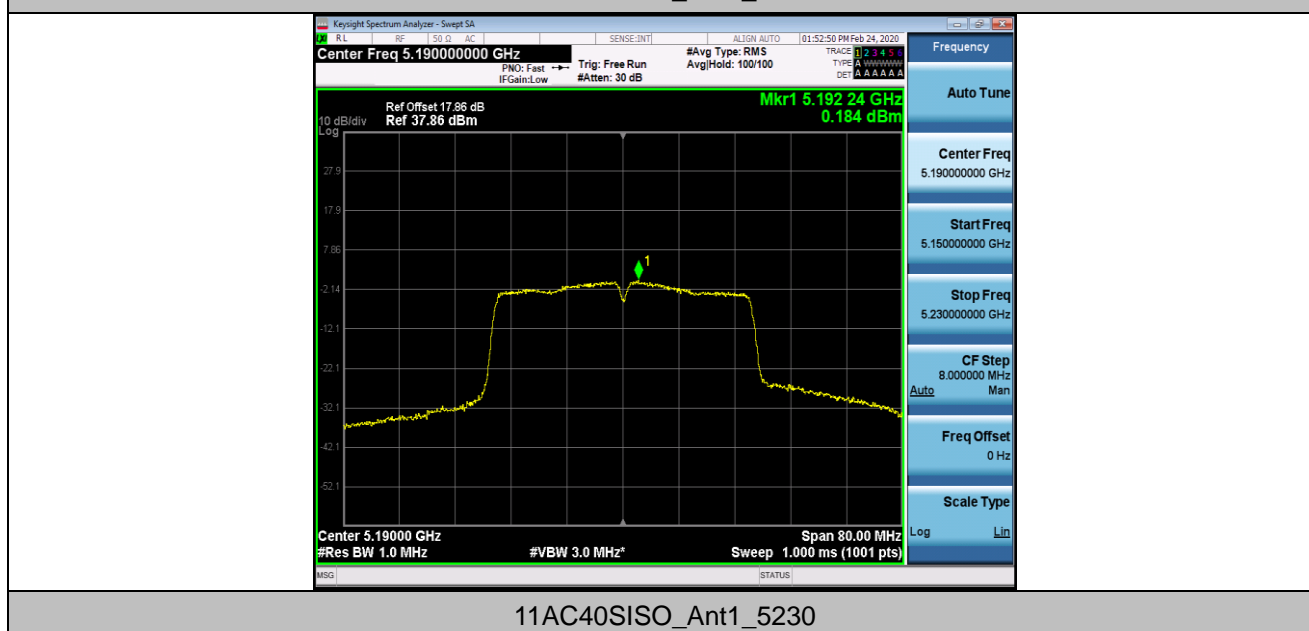
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240





11AC80SISO_Ant1_5210



Appendix D: Frequency Stability

Test Result

TestMode	Antenna	Channel	Voltage				Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)		
11A	Ant1	5180	NV	NT	100000	19.305019	20	PASS
			LV	NT	80000	15.444015	20	PASS
			HV	NT	100000	19.305019	20	PASS
		5200	NV	NT	100000	19.230769	20	PASS
			LV	NT	100000	19.230769	20	PASS
			HV	NT	100000	19.230769	20	PASS
		5240	NV	NT	100000	19.083969	20	PASS
			LV	NT	100000	19.083969	20	PASS
			HV	NT	80000	15.267176	20	PASS
11N20SISO	Ant1	5180	NV	NT	100000	19.305019	20	PASS
			LV	NT	80000	15.444015	20	PASS
			HV	NT	100000	19.305019	20	PASS
		5200	NV	NT	80000	15.384615	20	PASS
			LV	NT	80000	15.384615	20	PASS
			HV	NT	80000	15.384615	20	PASS
		5240	NV	NT	80000	15.267176	20	PASS
			LV	NT	80000	15.267176	20	PASS
			HV	NT	80000	15.267176	20	PASS
11N40SISO	Ant1	5190	NV	NT	80000	15.414258	20	PASS
			LV	NT	80000	15.414258	20	PASS
			HV	NT	80000	15.414258	20	PASS
		5230	NV	NT	80000	15.296367	20	PASS
			LV	NT	80000	15.296367	20	PASS
			HV	NT	80000	15.296367	20	PASS
11AC20SISO	Ant1	5180	NV	NT	100000	19.305019	20	PASS
			LV	NT	100000	19.305019	20	PASS
			HV	NT	80000	15.444015	20	PASS
		5200	NV	NT	100000	19.230769	20	PASS
			LV	NT	80000	15.384615	20	PASS
			HV	NT	80000	15.384615	20	PASS

		5240	NV	NT	80000	15.267176	20	PASS
			LV	NT	80000	15.267176	20	PASS
			HV	NT	80000	15.267176	20	PASS
11AC40SISO	Ant1	5190	NV	NT	80000	15.414258	20	PASS
			LV	NT	80000	15.414258	20	PASS
			HV	NT	80000	15.414258	20	PASS
		5230	NV	NT	80000	15.296367	20	PASS
			LV	NT	80000	15.296367	20	PASS
			HV	NT	80000	15.296367	20	PASS
11AC80SISO	Ant1	5210	NV	NT	80000	15.355086	20	PASS
			LV	NT	80000	15.355086	20	PASS
			HV	NT	80000	15.355086	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	80000	15.444015	20	PASS
			NV	-20	80000	15.444015	20	PASS
			NV	-10	100000	19.305019	20	PASS
			NV	0	100000	19.305019	20	PASS
			NV	10	100000	19.305019	20	PASS
			NV	20	100000	19.305019	20	PASS
			NV	30	100000	19.305019	20	PASS
			NV	40	100000	19.305019	20	PASS
			NV	50	80000	15.444015	20	PASS
		5200	NV	-30	80000	15.384615	20	PASS
			NV	-20	100000	19.230769	20	PASS
			NV	-10	100000	19.230769	20	PASS
			NV	0	80000	15.384615	20	PASS
			NV	10	100000	19.230769	20	PASS
			NV	20	100000	19.230769	20	PASS
			NV	30	80000	15.384615	20	PASS
			NV	40	100000	19.230769	20	PASS
			NV	50	100000	19.230769	20	PASS
		5240	NV	-30	80000	15.267176	20	PASS
			NV	-20	100000	19.083969	20	PASS
			NV	-10	100000	19.083969	20	PASS

			NV	0	100000	19.083969	20	PASS
			NV	10	80000	15.267176	20	PASS
			NV	20	80000	15.267176	20	PASS
			NV	30	100000	19.083969	20	PASS
			NV	40	80000	15.267176	20	PASS
			NV	50	100000	19.083969	20	PASS
11N20SISO	Ant1	5180	NV	-30	80000	15.444015	20	PASS
			NV	-20	80000	15.444015	20	PASS
			NV	-10	100000	19.305019	20	PASS
			NV	0	100000	19.305019	20	PASS
			NV	10	80000	15.444015	20	PASS
			NV	20	60000	11.583012	20	PASS
			NV	30	80000	15.444015	20	PASS
			NV	40	80000	15.444015	20	PASS
			NV	50	80000	15.444015	20	PASS
		5200	NV	-30	80000	15.384615	20	PASS
			NV	-20	100000	19.230769	20	PASS
			NV	-10	80000	15.384615	20	PASS
			NV	0	80000	15.384615	20	PASS
			NV	10	100000	19.230769	20	PASS
			NV	20	100000	19.230769	20	PASS
			NV	30	80000	15.384615	20	PASS
			NV	40	80000	15.384615	20	PASS
			NV	50	60000	11.538462	20	PASS
		5240	NV	-30	80000	15.267176	20	PASS
			NV	-20	80000	15.267176	20	PASS
			NV	-10	60000	11.450382	20	PASS
			NV	0	80000	15.267176	20	PASS
			NV	10	60000	11.450382	20	PASS
			NV	20	60000	11.450382	20	PASS
			NV	30	80000	15.267176	20	PASS
			NV	40	100000	19.083969	20	PASS
			NV	50	80000	15.267176	20	PASS
11N40SISO	Ant1	5190	NV	-30	80000	15.414258	20	PASS
			NV	-20	80000	15.414258	20	PASS
			NV	-10	120000	13.121387	20	PASS



			NV	0	80000	15.414258	20	PASS			
			NV	10	80000	15.414258	20	PASS			
			NV	20	80000	15.414258	20	PASS			
			NV	30	80000	15.414258	20	PASS			
			NV	40	80000	15.414258	20	PASS			
			NV	50	80000	15.414258	20	PASS			
		5230	NV	-30	80000	15.296367	20	PASS			
			NV	-20	80000	15.296367	20	PASS			
			NV	-10	80000	15.296367	20	PASS			
			NV	0	80000	15.296367	20	PASS			
			NV	10	80000	15.296367	20	PASS			
			NV	20	120000	12.944551	20	PASS			
			NV	30	80000	15.296367	20	PASS			
			NV	40	80000	15.296367	20	PASS			
			NV	50	80000	15.296367	20	PASS			
			11AC20SISO	Ant1	5180	NV	-30	80000	15.444015	20	PASS
						NV	-20	80000	15.444015	20	PASS
						NV	-10	100000	19.305019	20	PASS
NV	0	100000				19.305019	20	PASS			
NV	10	100000				19.305019	20	PASS			
NV	20	100000				19.305019	20	PASS			
NV	30	100000				19.305019	20	PASS			
NV	40	100000				19.305019	20	PASS			
NV	50	80000				15.444015	20	PASS			
5200	NV	-30			80000	15.384615	20	PASS			
	NV	-20			80000	15.384615	20	PASS			
	NV	-10			80000	15.384615	20	PASS			
	NV	0			80000	15.384615	20	PASS			
	NV	10			80000	15.384615	20	PASS			
	NV	20			80000	15.384615	20	PASS			
	NV	30			80000	15.384615	20	PASS			
	NV	40			60000	11.538462	20	PASS			
	NV	50			80000	15.384615	20	PASS			
5240	NV	-30	80000	15.267176	20	PASS					
	NV	-20	60000	11.450382	20	PASS					
	NV	-10	80000	15.267176	20	PASS					

			NV	0	80000	15.267176	20	PASS
			NV	10	100000	19.083969	20	PASS
			NV	20	100000	19.083969	20	PASS
			NV	30	80000	15.267176	20	PASS
			NV	40	80000	15.267176	20	PASS
			NV	50	80000	15.267176	20	PASS
11AC40SISO	Ant1	5190	NV	-30	80000	15.414258	20	PASS
			NV	-20	80000	15.414258	20	PASS
			NV	-10	80000	15.414258	20	PASS
			NV	0	80000	15.414258	20	PASS
			NV	10	80000	15.414258	20	PASS
			NV	20	80000	15.414258	20	PASS
			NV	30	80000	15.414258	20	PASS
			NV	40	80000	15.414258	20	PASS
			NV	50	80000	15.414258	20	PASS
		5230	NV	-30	80000	15.296367	20	PASS
			NV	-20	80000	15.296367	20	PASS
			NV	-10	80000	15.296367	20	PASS
			NV	0	80000	15.296367	20	PASS
			NV	10	80000	15.296367	20	PASS
			NV	20	80000	15.296367	20	PASS
			NV	30	80000	15.296367	20	PASS
			NV	40	80000	15.296367	20	PASS
			NV	50	80000	15.296367	20	PASS
11AC80SISO	Ant1	5210	NV	-30	80000	15.355086	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	80000	15.355086	20	PASS
			NV	0	0	0	20	PASS
			NV	10	80000	15.355086	20	PASS
			NV	20	80000	15.355086	20	PASS
			NV	30	80000	15.355086	20	PASS
			NV	40	0	0	20	PASS
			NV	50	80000	15.355086	20	PASS

Appendix E. Setup Photographs

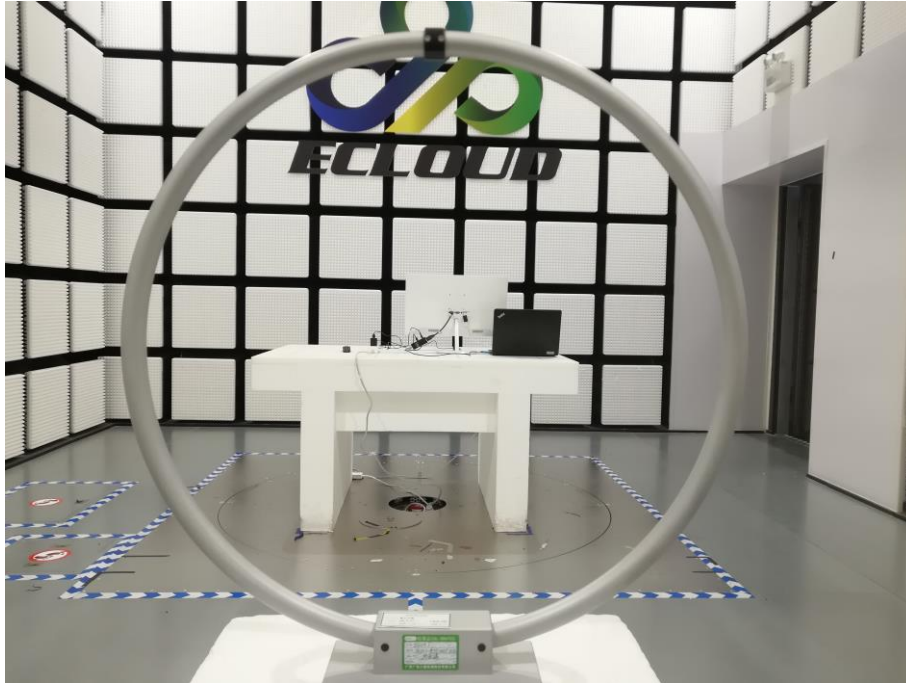


Fig. 1 Radiated emission setup photo(Below 30MHz)



Fig. 2 Radiated emission setup photo(30MHz-1GHz)

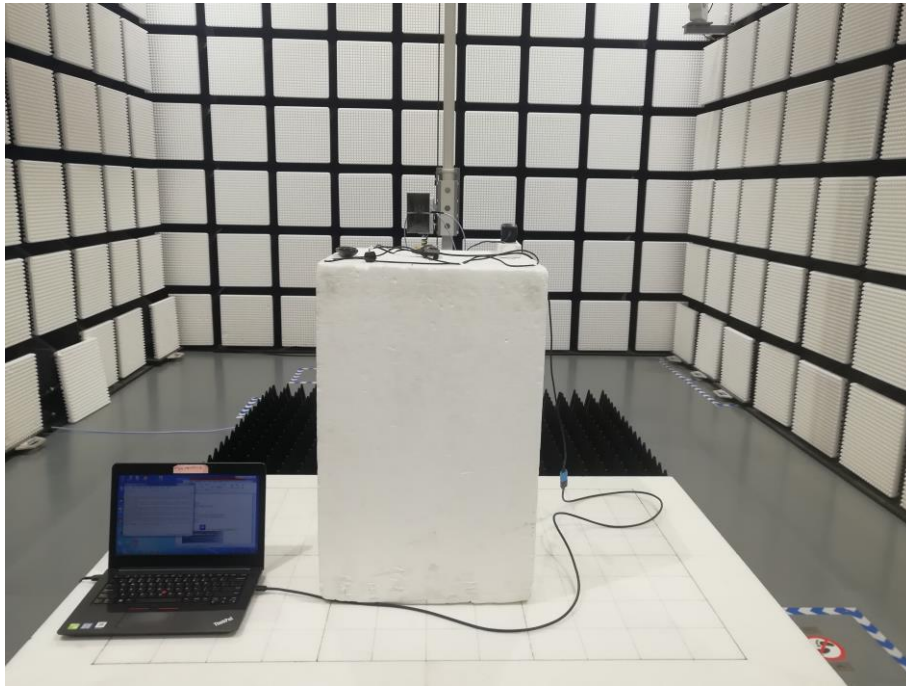


Fig. 3 Radiated emission setup photo(Above 1GHz)



Fig. 4 Power line conducted emission setup photo

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