



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	-4000.00	-0.772201	20	PASS
			LV	NT	-4000.00	-0.772201	20	PASS
			HV	NT	-4000.00	-0.772201	20	PASS
		5200	NV	NT	-4000.00	-0.769231	20	PASS
			LV	NT	-4000.00	-0.769231	20	PASS
			HV	NT	-4000.00	-0.769231	20	PASS
		5240	NV	NT	-4000.00	-0.763359	20	PASS
			LV	NT	-4000.00	-0.763359	20	PASS
			HV	NT	-4000.00	-0.763359	20	PASS
		5260	NV	NT	-4000.00	-0.760456	20	PASS
			LV	NT	-4000.00	-0.760456	20	PASS
			HV	NT	-4000.00	-0.760456	20	PASS
		5280	NV	NT	-4000.00	-0.757576	20	PASS
			LV	NT	-4000.00	-0.757576	20	PASS
			HV	NT	-4000.00	-0.757576	20	PASS
		5320	NV	NT	-4000.00	-0.751880	20	PASS
			LV	NT	-4000.00	-0.751880	20	PASS
			HV	NT	-4000.00	-0.751880	20	PASS
		5500	NV	NT	-4000.00	-0.727273	20	PASS
			LV	NT	-4000.00	-0.727273	20	PASS
			HV	NT	-3000.00	-0.545455	20	PASS
		5580	NV	NT	-3000.00	-0.537634	20	PASS
			LV	NT	-3000.00	-0.537634	20	PASS
			HV	NT	-3000.00	-0.537634	20	PASS
		5700	NV	NT	-4000.00	-0.701754	20	PASS
			LV	NT	-4000.00	-0.701754	20	PASS
			HV	NT	-3000.00	-0.526316	20	PASS
		5720	NV	NT	-3000.00	-0.524476	20	PASS
			LV	NT	-2000.00	-0.349650	20	PASS
			HV	NT	-2000.00	-0.349650	20	PASS
		5745	NV	NT	-3000.00	-0.522193	20	PASS
			LV	NT	-3000.00	-0.522193	20	PASS
			HV	NT	-3000.00	-0.522193	20	PASS
		5785	NV	NT	-3000.00	-0.518583	20	PASS
			LV	NT	-3000.00	-0.518583	20	PASS

		5825	HV	NT	-3000.00	-0.518583	20	PASS
			NV	NT	-4000.00	-0.686695	20	PASS
			LV	NT	-3000.00	-0.515021	20	PASS
			HV	NT	-3000.00	-0.515021	20	PASS
11AC40M IMO	Ant1	5190	NV	NT	-4000.00	-0.770713	20	PASS
			LV	NT	-4000.00	-0.770713	20	PASS
			HV	NT	-4000.00	-0.770713	20	PASS
		5230	NV	NT	-4000.00	-0.764818	20	PASS
			LV	NT	-4000.00	-0.764818	20	PASS
			HV	NT	-4000.00	-0.764818	20	PASS
		5270	NV	NT	-4000.00	-0.759013	20	PASS
			LV	NT	-4000.00	-0.759013	20	PASS
			HV	NT	-4000.00	-0.759013	20	PASS
		5310	NV	NT	-4000.00	-0.753296	20	PASS
			LV	NT	-4000.00	-0.753296	20	PASS
			HV	NT	-4000.00	-0.753296	20	PASS
		5510	NV	NT	-4000.00	-0.725953	20	PASS
			LV	NT	-3000.00	-0.544465	20	PASS
			HV	NT	-3000.00	-0.544465	20	PASS
		5550	NV	NT	-3000.00	-0.540541	20	PASS
			LV	NT	-3000.00	-0.540541	20	PASS
			HV	NT	-2000.00	-0.360360	20	PASS
		5670	NV	NT	-4000.00	-0.705467	20	PASS
			LV	NT	-3000.00	-0.529101	20	PASS
			HV	NT	-3000.00	-0.529101	20	PASS
		5710	NV	NT	-4000.00	-0.700525	20	PASS
			LV	NT	-3000.00	-0.525394	20	PASS
			HV	NT	-2000.00	-0.350263	20	PASS
		5755	NV	NT	-3000.00	-0.521286	20	PASS
			LV	NT	-3000.00	-0.521286	20	PASS
			HV	NT	-3000.00	-0.521286	20	PASS
		5795	NV	NT	-4000.00	-0.690250	20	PASS
			LV	NT	-3000.00	-0.517688	20	PASS
			HV	NT	-3000.00	-0.517688	20	PASS
11AC80M IMO	Ant1	5210	NV	NT	-4000.00	-0.767754	20	PASS
			LV	NT	-4000.00	-0.767754	20	PASS
			HV	NT	-4000.00	-0.767754	20	PASS
		5290	NV	NT	-4000.00	-0.756144	20	PASS
			LV	NT	-4000.00	-0.756144	20	PASS
			HV	NT	-4000.00	-0.756144	20	PASS
		5530	NV	NT	-4000.00	-0.723327	20	PASS
			LV	NT	-3000.00	-0.542495	20	PASS
			HV	NT	-3000.00	-0.542495	20	PASS
		5610	NV	NT	-3000.00	-0.534759	20	PASS
			LV	NT	-2000.00	-0.356506	20	PASS
			HV	NT	-2000.00	-0.356506	20	PASS
		5690	NV	NT	-2000.00	-0.351494	20	PASS
			LV	NT	-1000.00	-0.175747	20	PASS
			HV	NT	-1000.00	-0.175747	20	PASS
		5775	NV	NT	-3000.00	-0.519481	20	PASS
			LV	NT	-2000.00	-0.346320	20	PASS
			HV	NT	-2000.00	-0.346320	20	PASS
11AC160 MIMO	Ant1	5250	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5570	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
Test Mode	Ant.	Freq. (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-4000.00	-0.772201	20	PASS
			NV	-20	-4000.00	-0.772201	20	PASS
			NV	-10	-4000.00	-0.772201	20	PASS

			NV	0	-4000.00	-0.772201	20	PASS
			NV	10	-4000.00	-0.772201	20	PASS
			NV	20	-4000.00	-0.772201	20	PASS
			NV	30	-4000.00	-0.772201	20	PASS
			NV	40	-4000.00	-0.772201	20	PASS
			NV	50	-4000.00	-0.772201	20	PASS
		5200	NV	-30	-4000.00	-0.769231	20	PASS
			NV	-20	-4000.00	-0.769231	20	PASS
			NV	-10	-4000.00	-0.769231	20	PASS
			NV	0	-4000.00	-0.769231	20	PASS
			NV	10	-4000.00	-0.769231	20	PASS
			NV	20	-4000.00	-0.769231	20	PASS
		5240	NV	30	-4000.00	-0.769231	20	PASS
			NV	40	-4000.00	-0.769231	20	PASS
			NV	50	-4000.00	-0.769231	20	PASS
			NV	-30	-4000.00	-0.763359	20	PASS
			NV	-20	-4000.00	-0.763359	20	PASS
			NV	-10	-4000.00	-0.763359	20	PASS
		5260	NV	0	-4000.00	-0.763359	20	PASS
			NV	10	-4000.00	-0.763359	20	PASS
			NV	20	-4000.00	-0.763359	20	PASS
			NV	30	-4000.00	-0.763359	20	PASS
			NV	40	-4000.00	-0.763359	20	PASS
			NV	50	-4000.00	-0.763359	20	PASS
		5280	NV	-30	-4000.00	-0.760456	20	PASS
			NV	-20	-4000.00	-0.760456	20	PASS
			NV	-10	-4000.00	-0.760456	20	PASS
			NV	0	-4000.00	-0.760456	20	PASS
			NV	10	-4000.00	-0.760456	20	PASS
			NV	20	-4000.00	-0.760456	20	PASS
		5320	NV	30	-4000.00	-0.760456	20	PASS
			NV	40	-4000.00	-0.760456	20	PASS
			NV	50	-4000.00	-0.760456	20	PASS
			NV	-30	-4000.00	-0.757576	20	PASS
			NV	-20	-4000.00	-0.757576	20	PASS
			NV	-10	-4000.00	-0.757576	20	PASS
		5500	NV	0	-4000.00	-0.757576	20	PASS
			NV	10	-4000.00	-0.757576	20	PASS
			NV	20	-4000.00	-0.757576	20	PASS
			NV	30	-3000.00	-0.568182	20	PASS
			NV	40	-3000.00	-0.568182	20	PASS
			NV	50	-4000.00	-0.757576	20	PASS
		5580	NV	-30	-3000.00	-0.563910	20	PASS
			NV	-20	-3000.00	-0.563910	20	PASS
			NV	-10	-3000.00	-0.563910	20	PASS
			NV	0	-3000.00	-0.563910	20	PASS
			NV	10	-3000.00	-0.563910	20	PASS
			NV	20	-3000.00	-0.563910	20	PASS
		5580	NV	30	-3000.00	-0.563910	20	PASS
			NV	40	-3000.00	-0.563910	20	PASS
			NV	50	-3000.00	-0.563910	20	PASS
			NV	-30	-3000.00	-0.545455	20	PASS
			NV	-20	-3000.00	-0.545455	20	PASS
			NV	-10	-3000.00	-0.545455	20	PASS
		5580	NV	0	-3000.00	-0.545455	20	PASS
			NV	10	-3000.00	-0.545455	20	PASS
			NV	20	-3000.00	-0.545455	20	PASS
			NV	30	-3000.00	-0.545455	20	PASS
			NV	40	-3000.00	-0.545455	20	PASS
			NV	50	-3000.00	-0.545455	20	PASS
		5580	NV	-30	-3000.00	-0.537634	20	PASS
			NV	-20	-3000.00	-0.537634	20	PASS
			NV	-10	-3000.00	-0.537634	20	PASS
			NV	0	-3000.00	-0.537634	20	PASS
			NV	10	-2000.00	-0.358423	20	PASS
			NV	20	-2000.00	-0.358423	20	PASS
			NV	30	-2000.00	-0.358423	20	PASS

			NV	40	-2000.00	-0.358423	20	PASS
			NV	50	-2000.00	-0.358423	20	PASS
		5700	NV	-30	-3000.00	-0.526316	20	PASS
			NV	-20	-3000.00	-0.526316	20	PASS
			NV	-10	-3000.00	-0.526316	20	PASS
			NV	0	-3000.00	-0.526316	20	PASS
			NV	10	-2000.00	-0.350877	20	PASS
			NV	20	-2000.00	-0.350877	20	PASS
			NV	30	-2000.00	-0.350877	20	PASS
			NV	40	-2000.00	-0.350877	20	PASS
			NV	50	-2000.00	-0.350877	20	PASS
		5720	NV	-30	-2000.00	-0.349650	20	PASS
			NV	-20	-2000.00	-0.349650	20	PASS
			NV	-10	-1000.00	-0.174825	20	PASS
			NV	0	-1000.00	-0.174825	20	PASS
			NV	10	-2000.00	-0.349650	20	PASS
			NV	20	-1000.00	-0.174825	20	PASS
			NV	30	-1000.00	-0.174825	20	PASS
			NV	40	-1000.00	-0.174825	20	PASS
			NV	50	-1000.00	-0.174825	20	PASS
		5745	NV	-30	-3000.00	-0.522193	20	PASS
			NV	-20	-2000.00	-0.348129	20	PASS
			NV	-10	-2000.00	-0.348129	20	PASS
			NV	0	-2000.00	-0.348129	20	PASS
			NV	10	-2000.00	-0.348129	20	PASS
			NV	20	-2000.00	-0.348129	20	PASS
			NV	30	-2000.00	-0.348129	20	PASS
			NV	40	-2000.00	-0.348129	20	PASS
			NV	50	-2000.00	-0.348129	20	PASS
		5785	NV	-30	-3000.00	-0.518583	20	PASS
			NV	-20	-3000.00	-0.518583	20	PASS
			NV	-10	-3000.00	-0.518583	20	PASS
			NV	0	-2000.00	-0.345722	20	PASS
			NV	10	-3000.00	-0.518583	20	PASS
			NV	20	-3000.00	-0.518583	20	PASS
			NV	30	-3000.00	-0.518583	20	PASS
			NV	40	-2000.00	-0.345722	20	PASS
			NV	50	-2000.00	-0.345722	20	PASS
		5825	NV	-30	-3000.00	-0.515021	20	PASS
			NV	-20	-3000.00	-0.515021	20	PASS
			NV	-10	-3000.00	-0.515021	20	PASS
			NV	0	-3000.00	-0.515021	20	PASS
			NV	10	-3000.00	-0.515021	20	PASS
			NV	20	-2000.00	-0.343348	20	PASS
			NV	30	-2000.00	-0.343348	20	PASS
			NV	40	-2000.00	-0.343348	20	PASS
			NV	50	-2000.00	-0.343348	20	PASS
11AC40M IMO	Ant1	5190	NV	-30	-5000.00	-0.963391	20	PASS
			NV	-20	-5000.00	-0.963391	20	PASS
			NV	-10	-5000.00	-0.963391	20	PASS
			NV	0	-5000.00	-0.963391	20	PASS
			NV	10	-5000.00	-0.963391	20	PASS
			NV	20	-5000.00	-0.963391	20	PASS
			NV	30	-5000.00	-0.963391	20	PASS
			NV	40	-5000.00	-0.963391	20	PASS
		5230	NV	50	-5000.00	-0.963391	20	PASS
			NV	-30	-4000.00	-0.764818	20	PASS
			NV	-20	-4000.00	-0.764818	20	PASS
			NV	-10	-4000.00	-0.764818	20	PASS
			NV	0	-4000.00	-0.764818	20	PASS
			NV	10	-4000.00	-0.764818	20	PASS
			NV	20	-4000.00	-0.764818	20	PASS
			NV	30	-4000.00	-0.764818	20	PASS
		5270	NV	40	-4000.00	-0.764818	20	PASS
			NV	50	-4000.00	-0.764818	20	PASS
			NV	-30	-4000.00	-0.759013	20	PASS
			NV	-20	-4000.00	-0.759013	20	PASS

			NV	-10	-4000.00	-0.759013	20	PASS
			NV	0	-4000.00	-0.759013	20	PASS
			NV	10	-3000.00	-0.569260	20	PASS
			NV	20	-3000.00	-0.569260	20	PASS
			NV	30	-4000.00	-0.759013	20	PASS
			NV	40	-4000.00	-0.759013	20	PASS
			NV	50	-4000.00	-0.759013	20	PASS
		5310	NV	-30	-3000.00	-0.564972	20	PASS
			NV	-20	-3000.00	-0.564972	20	PASS
			NV	-10	-3000.00	-0.564972	20	PASS
			NV	0	-3000.00	-0.564972	20	PASS
			NV	10	-3000.00	-0.564972	20	PASS
			NV	20	-3000.00	-0.564972	20	PASS
			NV	30	-3000.00	-0.564972	20	PASS
		5510	NV	40	-3000.00	-0.564972	20	PASS
			NV	50	-3000.00	-0.564972	20	PASS
			NV	-30	-3000.00	-0.544465	20	PASS
			NV	-20	-3000.00	-0.544465	20	PASS
			NV	-10	-2000.00	-0.362976	20	PASS
			NV	0	-2000.00	-0.362976	20	PASS
			NV	10	-2000.00	-0.362976	20	PASS
		5550	NV	20	-2000.00	-0.362976	20	PASS
			NV	30	-2000.00	-0.362976	20	PASS
			NV	40	-2000.00	-0.362976	20	PASS
			NV	50	-2000.00	-0.362976	20	PASS
			NV	-30	-2000.00	-0.360360	20	PASS
			NV	-20	-2000.00	-0.360360	20	PASS
		5670	NV	-10	-2000.00	-0.360360	20	PASS
			NV	0	-2000.00	-0.360360	20	PASS
			NV	10	-2000.00	-0.360360	20	PASS
			NV	20	-2000.00	-0.360360	20	PASS
			NV	30	-2000.00	-0.360360	20	PASS
			NV	40	-2000.00	-0.360360	20	PASS
		5710	NV	50	-2000.00	-0.360360	20	PASS
			NV	-30	-3000.00	-0.529101	20	PASS
			NV	-20	-3000.00	-0.529101	20	PASS
			NV	-10	-2000.00	-0.352734	20	PASS
			NV	0	-2000.00	-0.352734	20	PASS
			NV	10	-2000.00	-0.352734	20	PASS
		5755	NV	20	-2000.00	-0.352734	20	PASS
			NV	30	-3000.00	-0.529101	20	PASS
			NV	40	-2000.00	-0.352734	20	PASS
			NV	50	-1000.00	-0.176367	20	PASS
			NV	-30	-2000.00	-0.350263	20	PASS
			NV	-20	-2000.00	-0.350263	20	PASS
		5795	NV	-10	-2000.00	-0.350263	20	PASS
			NV	0	-2000.00	-0.350263	20	PASS
			NV	10	-2000.00	-0.350263	20	PASS
			NV	20	-2000.00	-0.350263	20	PASS
			NV	30	-1000.00	-0.175131	20	PASS
			NV	40	-1000.00	-0.175131	20	PASS
			NV	50	-1000.00	-0.175131	20	PASS
		5755	NV	-30	-3000.00	-0.521286	20	PASS
			NV	-20	-3000.00	-0.521286	20	PASS
			NV	-10	-3000.00	-0.521286	20	PASS
			NV	0	-3000.00	-0.521286	20	PASS
			NV	10	-2000.00	-0.347524	20	PASS
			NV	20	-3000.00	-0.521286	20	PASS
			NV	30	-2000.00	-0.347524	20	PASS
		5795	NV	40	-2000.00	-0.347524	20	PASS
			NV	50	-2000.00	-0.347524	20	PASS
			NV	-30	-3000.00	-0.517688	20	PASS
			NV	-20	-3000.00	-0.517688	20	PASS
			NV	-10	-3000.00	-0.517688	20	PASS
			NV	0	-3000.00	-0.517688	20	PASS
			NV	10	-3000.00	-0.517688	20	PASS
			NV	20	-3000.00	-0.517688	20	PASS

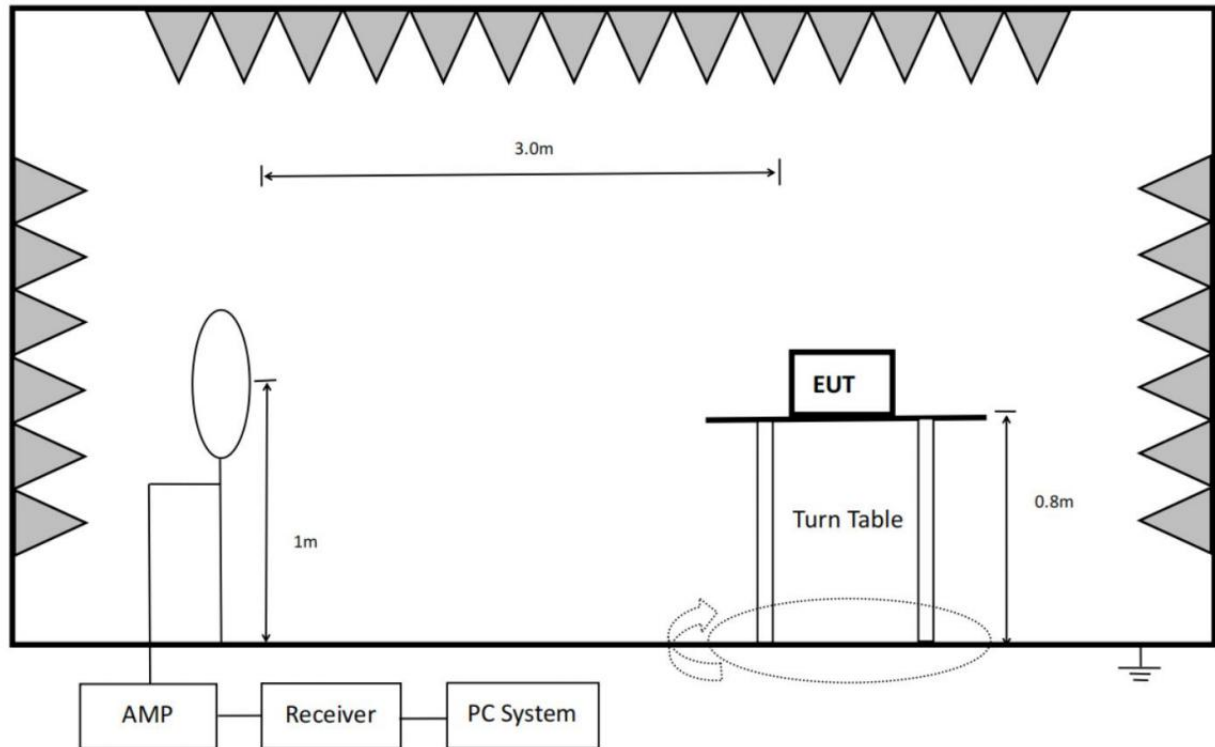
			NV	30	-3000.00	-0.517688	20	PASS
			NV	40	-3000.00	-0.517688	20	PASS
			NV	50	-2000.00	-0.345125	20	PASS
11AC80M IMO	Ant1	5210	NV	-30	-4000.00	-0.767754	20	PASS
			NV	-20	-4000.00	-0.767754	20	PASS
			NV	-10	-4000.00	-0.767754	20	PASS
			NV	0	-4000.00	-0.767754	20	PASS
			NV	10	-4000.00	-0.767754	20	PASS
			NV	20	-4000.00	-0.767754	20	PASS
			NV	30	-5000.00	-0.959693	20	PASS
			NV	40	-5000.00	-0.959693	20	PASS
			NV	50	-5000.00	-0.959693	20	PASS
		5290	NV	-30	-4000.00	-0.756144	20	PASS
			NV	-20	-3000.00	-0.567108	20	PASS
			NV	-10	-4000.00	-0.756144	20	PASS
			NV	0	-4000.00	-0.756144	20	PASS
			NV	10	-4000.00	-0.756144	20	PASS
			NV	20	-4000.00	-0.756144	20	PASS
			NV	30	-3000.00	-0.567108	20	PASS
			NV	40	-3000.00	-0.567108	20	PASS
			NV	50	-3000.00	-0.567108	20	PASS
		5530	NV	-30	-3000.00	-0.542495	20	PASS
			NV	-20	-3000.00	-0.542495	20	PASS
			NV	-10	-3000.00	-0.542495	20	PASS
			NV	0	-2000.00	-0.361664	20	PASS
			NV	10	-2000.00	-0.361664	20	PASS
			NV	20	-2000.00	-0.361664	20	PASS
			NV	30	-2000.00	-0.361664	20	PASS
			NV	40	-2000.00	-0.361664	20	PASS
			NV	50	-2000.00	-0.361664	20	PASS
		5610	NV	-30	-2000.00	-0.356506	20	PASS
			NV	-20	-2000.00	-0.356506	20	PASS
			NV	-10	-1000.00	-0.178253	20	PASS
			NV	0	-1000.00	-0.178253	20	PASS
			NV	10	-1000.00	-0.178253	20	PASS
			NV	20	-1000.00	-0.178253	20	PASS
			NV	30	-1000.00	-0.178253	20	PASS
			NV	40	-1000.00	-0.178253	20	PASS
			NV	50	-1000.00	-0.178253	20	PASS
		5690	NV	-30	-1000.00	-0.175747	20	PASS
			NV	-20	-1000.00	-0.175747	20	PASS
			NV	-10	-1000.00	-0.175747	20	PASS
			NV	0	-1000.00	-0.175747	20	PASS
			NV	10	-1000.00	-0.175747	20	PASS
			NV	20	-1000.00	-0.175747	20	PASS
			NV	30	-1000.00	-0.175747	20	PASS
			NV	40	-1000.00	-0.175747	20	PASS
			NV	50	-1000.00	-0.175747	20	PASS
		5775	NV	-30	-2000.00	-0.346320	20	PASS
			NV	-20	-2000.00	-0.346320	20	PASS
			NV	-10	-2000.00	-0.346320	20	PASS
			NV	0	-2000.00	-0.346320	20	PASS
			NV	10	-2000.00	-0.346320	20	PASS
			NV	20	-2000.00	-0.346320	20	PASS
			NV	30	-2000.00	-0.346320	20	PASS
			NV	40	-2000.00	-0.346320	20	PASS
			NV	50	-2000.00	-0.346320	20	PASS
11AC160 MIMO	Ant1	5250	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5570	NV	-30	0.00	0.000000	20	PASS

			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

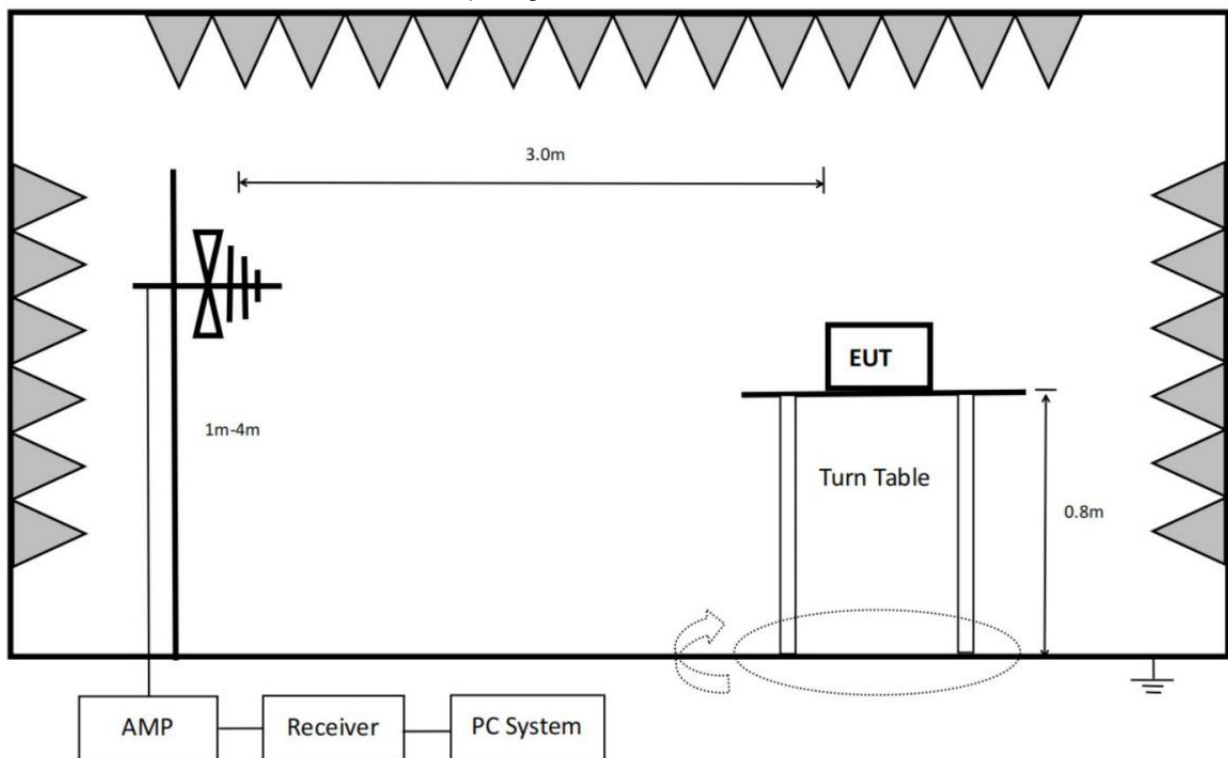
13. Radiated Emission

13.1. Block Diagram of Test Setup

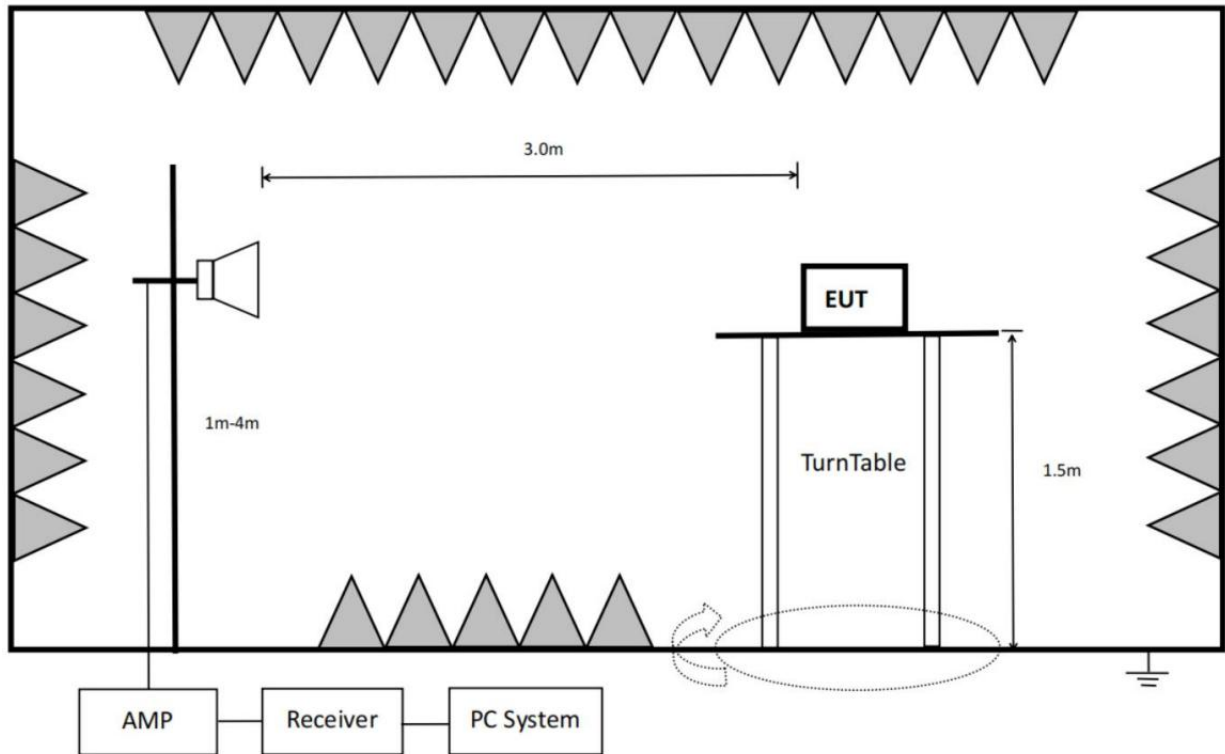
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test a band rejection filter was inserted in the input port of AMP.

13.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1427	7.25-7.75
3.020-3.026	25.5-25.67	1435-1626.5	8.025-8.5
4.125-4.128	37.5-38.25	1645.5-1646.5	9.0-9.2
4.17725-4.17775	73-74.6	1660-1710	9.3-9.5
4.20725-4.20775	74.8-75.2	1718.8-1722.2	10.6-12.7
6.215-6.218	108-138	2200-2300	13.25-13.4
6.26775-6.26825	149.9-150.05	2310-2390	14.47-14.5
6.31175-6.31225	156.52475-156.52525	2483.5-2500	15.35-16.2
8.291-8.294	156.7-156.9	2655-2900	17.7-21.4
8.362-8.366	162.0125-167.17	3260-3267	22.01-23.12
8.37625-8.38675	167.72-173.2	3332-3339	23.6-24.0
8.41425-8.41475	240-285	3345.8-3358	31.2-31.8
12.29-12.293	322-335.4	3500-4400	36.43-36.5
12.51975-12.52025	/	/	Above 38.6
12.57675-12.57725	/	/	/
13.36-13.41	/	/	/

(2) FCC 15.209 Limit.

Frequency MHz	Distance Meters	Field strengths limit		
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$	$\mu\text{A}/\text{m}$
0.009 ~ 0.490	300	$2400/\text{F}(\text{kHz})$	$67.6-20\log(\text{F})$	$6.37/\text{F}$ (F in kHz)
0.490 ~ 1.705	30	$24000/\text{F}(\text{kHz})$	$87.6-20\log(\text{F})$	$63.7/\text{F}$ (F in kHz)
1.705 ~ 30.0	30	30	29.54	0.08
30 ~ 88	3	100	40.0	--
88 ~ 216	3	150	43.5	--
216 ~ 960	3	200	46.0	--
960 ~ 1000	3	500	54.0	--
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)		

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm / MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm / MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm / MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm / MHz.

(5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(6) The provisions of §15.205 apply to intentional radiators operating under this section.

-27 dBm/MHz Limit = $95.2 + \text{EIRP (dBm)} = 95.2 - 27 = 68.2 \text{ dB}\mu\text{V}/\text{m}$

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\log(30\text{m}/3\text{m})$

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions or comply with 15.209 limits.

13.3. Test Procedure

Below 30 MHz:

The setting of the spectrum Analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of 1 meter height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KdB 414788.

Below 1 GHz and above 30 MHz:

The setting of the spectrum Analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz:

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a band rejection filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video

bandwidth with peak detector for AVG measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.

7. Restriction band: Investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT does not support simultaneous transmission.

Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

13.4. Test Result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9kHz to 40GHz were comply with 15.209 limit.

Note 1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz, so the final test was performed with frequency range from 30 MHz to 40 GHz and recorded in below.

Note 2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 11a mode.

Note 3: For below test data, when the limit tabular marked "/" means this frequency point is the fundamental emission and no need comply with this limit.

Note 4: As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit

Note 5: For emissions Above 1 GHz, all mode have been tested, 11a mode of ANT1 is worse case and recorded in report.

Note 6: For emissions Above 18 GHz, the all the emission is ambient noise, so only show the worse case channel and recorded in report.

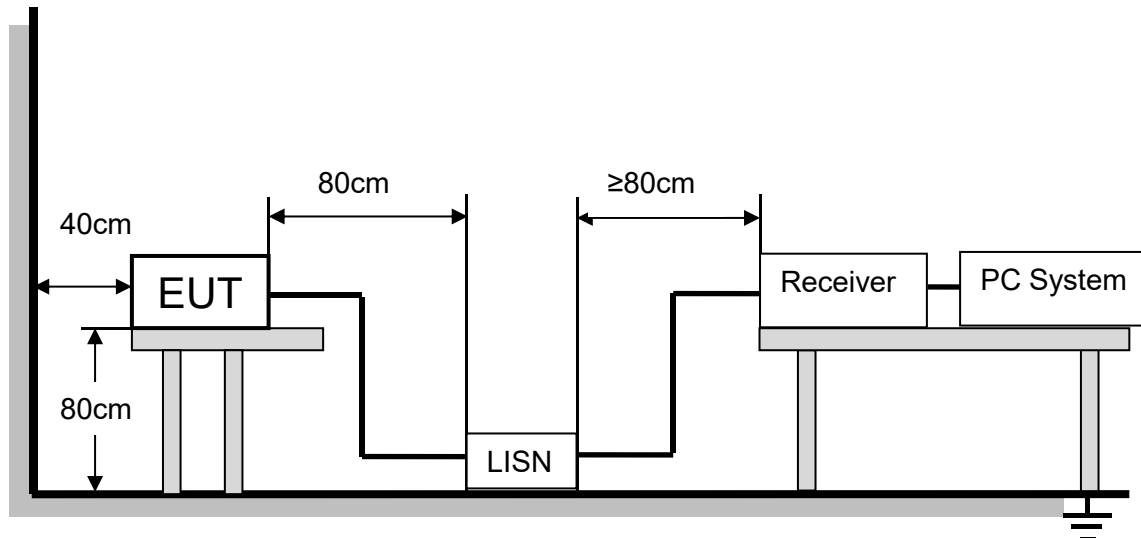
13.5. Original Test Data

Below 1 GHz and above 30 MHz test data Refer to appendix A

Above 1 GHz test data Refer to appendix B

14. AC Power Line Conducted Emissions

14.1. Block Diagram of Test Setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

14.2. Limits

Please refer to CFR 47 FCC §15.207 (a).

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.4. Test Result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

Note3: $\text{Measurement} = \text{Reading Level} + \text{Correct Factor}$

$\text{Over} = \text{Measurement} - \text{Limit}$

14.5. Original Test Data

AC Power Line Conducted Emission Test Data Refer to appendix C

15. Dynamic Frequency Selection

15.1. Applicability of DFS Requirements

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

15.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the

test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KdB Publication 662911 D01.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

For 5600-5650MHz:

IF Device with Radar Detection, the CAC need comply ETSI EN 301 893 V2.2.1 Annex D requirements.

Table D.1: DFS requirement values

Parameter	Value
Channel Availability Check (CAC) time	60 s (see note 1)
Minimum off-channel CAC time	6 minutes (see note 2)
Maximum off-channel CAC time	4 hours (see note 2)
Channel move time	10 s
Channel closing transmission time	1 s
Non-occupancy period	30 minutes
NOTE 1: For channels whose nominal channel bandwidth falls completely or partly within the band 5 600 MHz to 5 650 MHz, the CAC time shall be 10 minutes.	
NOTE 2: For channels whose nominal channel bandwidth falls completely or partly within the band 5 600 MHz to 5 650 MHz, the off-channel CAC time shall be within the range 1 hour to 24 hours.	

Table D.5: Detection probability

Parameter	Detection probability (P_d) (see note)	
	Channels whose nominal channel bandwidth falls partly or completely within the 5 600 MHz to 5 650 MHz band	Other channels
CAC, off-channel CAC	99,99 %	60 %
In-service monitoring	60 %	60 %
NOTE: P_d gives the probability of detection per radar test signal and represents a minimum level of detection performance under defined conditions.		

15.3. Parameters of Radar Test Waveform

This section provides the parameters for required test waveforms, minimum percentage of successful detection, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right)^* \right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

For 5600-5650MHz:

Table D.3: Parameters of the reference DFS test signal

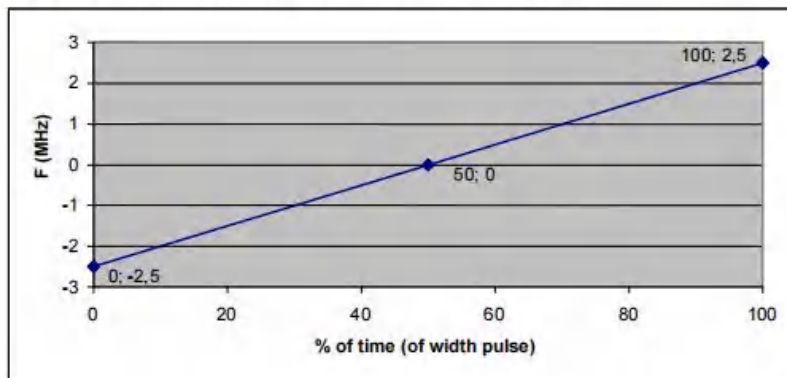
Pulse width W (μs)	PRF (PPS)	Pulses Per Burst (PPB)
1	700	18

Table D.4: Parameters of radar test signals

Radar test signal (see note 1 to note 3)	Pulse width W (μs)		PRF (PPS)		Number of different PRFs	PPB for each PRF (see note 5)
	Min	Max	Min	Max		
1	0,5	5	200	1 000	1	10 (see note 6)
2	0,5	15	200	1 600	1	15 (see note 6)
3	0,5	15	2 300	4 000	1	25
4	20	30	2 000	4 000	1	20
5	0,5	2	300	400	2/3	10 (see note 6)
6	0,5	2	400	1 200	2/3	15 (see note 6)

NOTE 1: Radar test signal 1 to signal 4 are signals with constant PRF (see figure D.1). These radar test signals are intended to simulate also radars using a packet-based staggered PRF (see figure D.2).

NOTE 2: Radar test signal 4 is a modulated radar test signal. The modulation is a chirp modulation with a $\pm 2,5$ MHz frequency deviation as shown in the following graph.



NOTE 3: Radar test signal 5 and radar test signal 6 are signals with single pulse-based staggered PRF using 2 or 3 different PRF values. For radar test signal 5, the difference between the PRF values chosen shall be between 20 PPS and 50 PPS. For radar test signal 6, the difference between the PRF values chosen shall be between 80 PPS and 400 PPS (see figure D.3).

NOTE 4: Apart from off-channel CAC testing, the radar test signals shall only contain a single burst of pulses (see figure D.1, figure D.3 and figure D.4). For off-channel CAC testing, repetitive bursts shall be used for the total duration of the test (see figure D.2 and figure D.5 (see also clause 4.2.6.2.3, clause 5.4.8.2.1.4.2 and clause 5.4.8.2.1.4.3)).

NOTE 5: The total number of pulses in a burst is equal to the number of pulses for a single PRF multiplied by the number of different PRFs used.

NOTE 6: For the CAC and off-channel CAC requirements, the minimum number of pulses (for each PRF) for any of the radar test signals to be detected in the band 5 600 MHz to 5 650 MHz shall be 18.

15.4. Calibration of Radar Waveform

Radar Waveform Calibration Procedure:

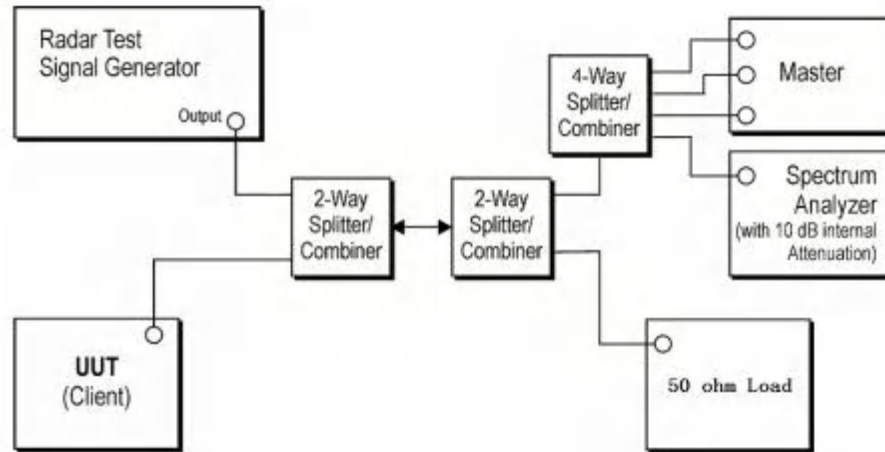
A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master

The interference Radar Detection Threshold Level is $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ that had been taken into account the output power range and antenna gain.

The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.

The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:

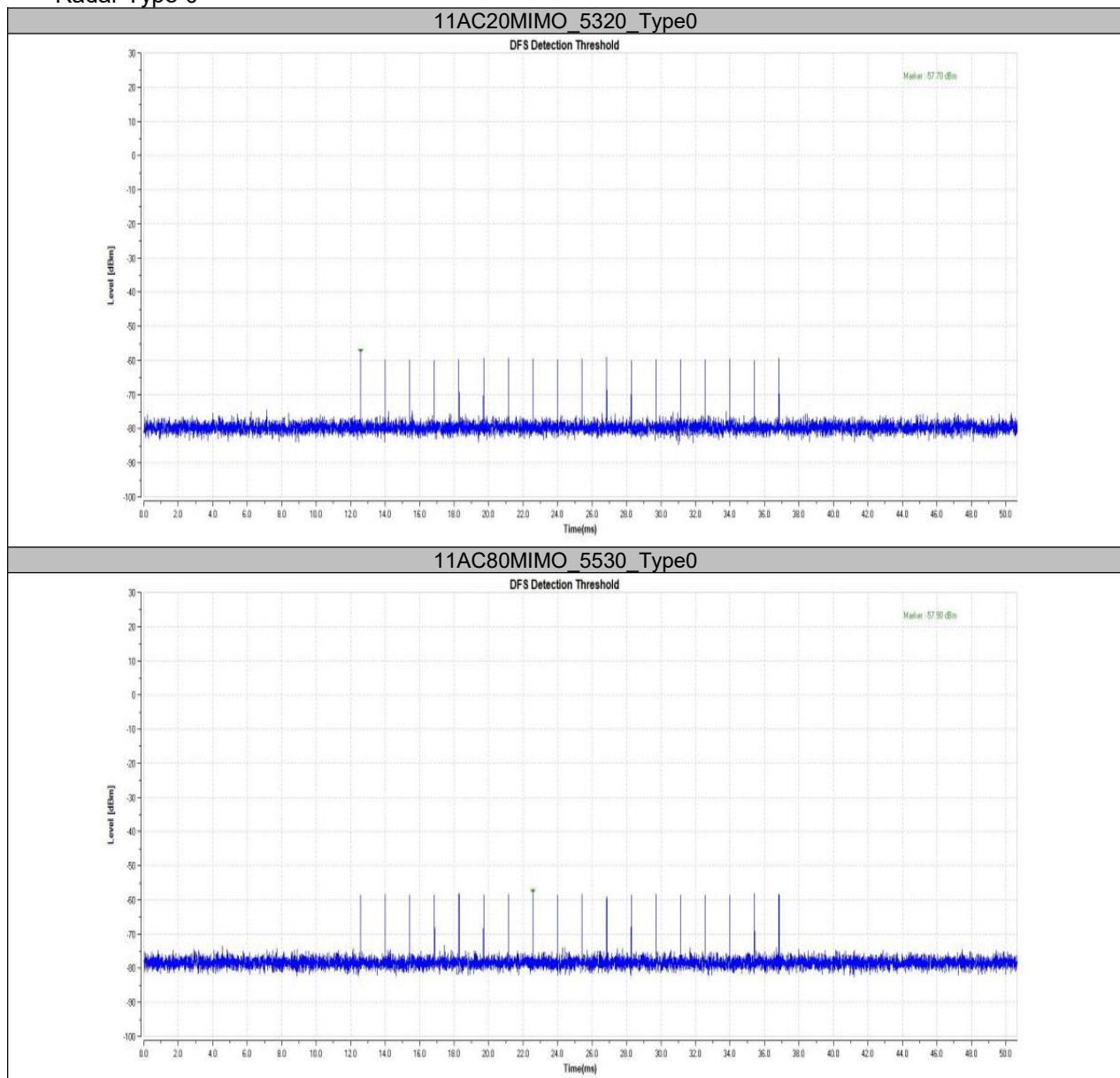


Note: 1. Use the software "Web" to set the frequency channel.

2. EUT is not support TPC and not with Radar detection.

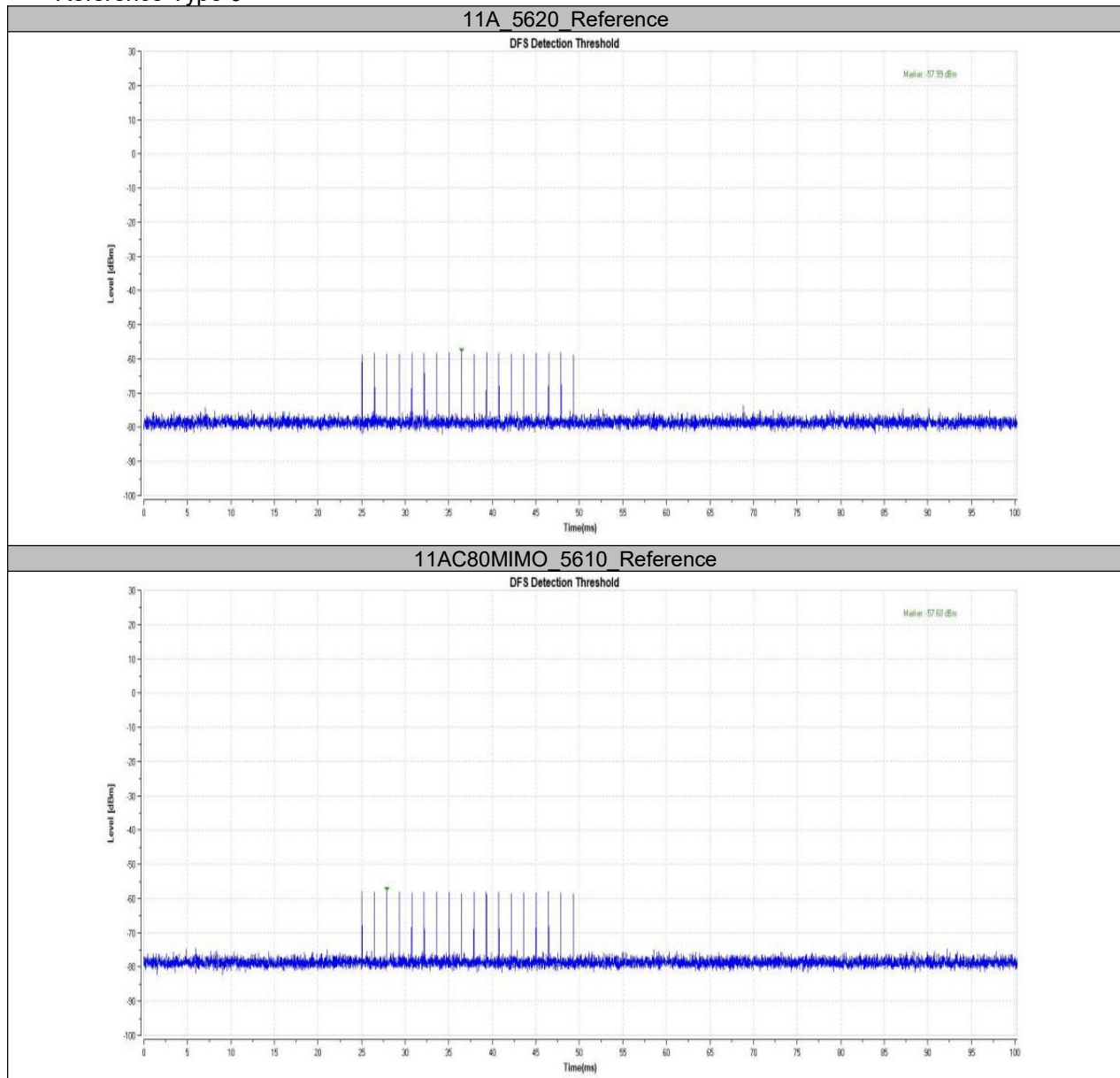
Radar Waveform Calibration Result:

Radar Type 0



For 5600-5650MHz:

Reference Type 0



15.5. Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period

Block diagram of test setup Test Procedure:

The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.

When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar

Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

For 5600-5650MHz:

Channel Availability Check (CAC)

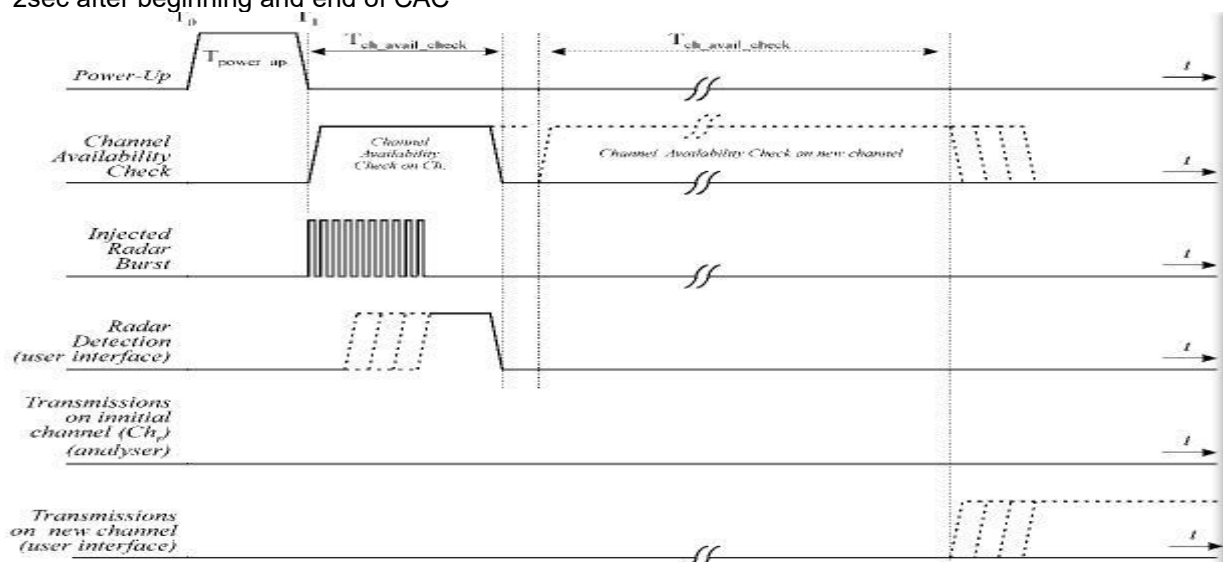
The Channel Availability Check (CAC) is defined as a mechanism by which an RLAN device checks channels for the presence of radar signals.

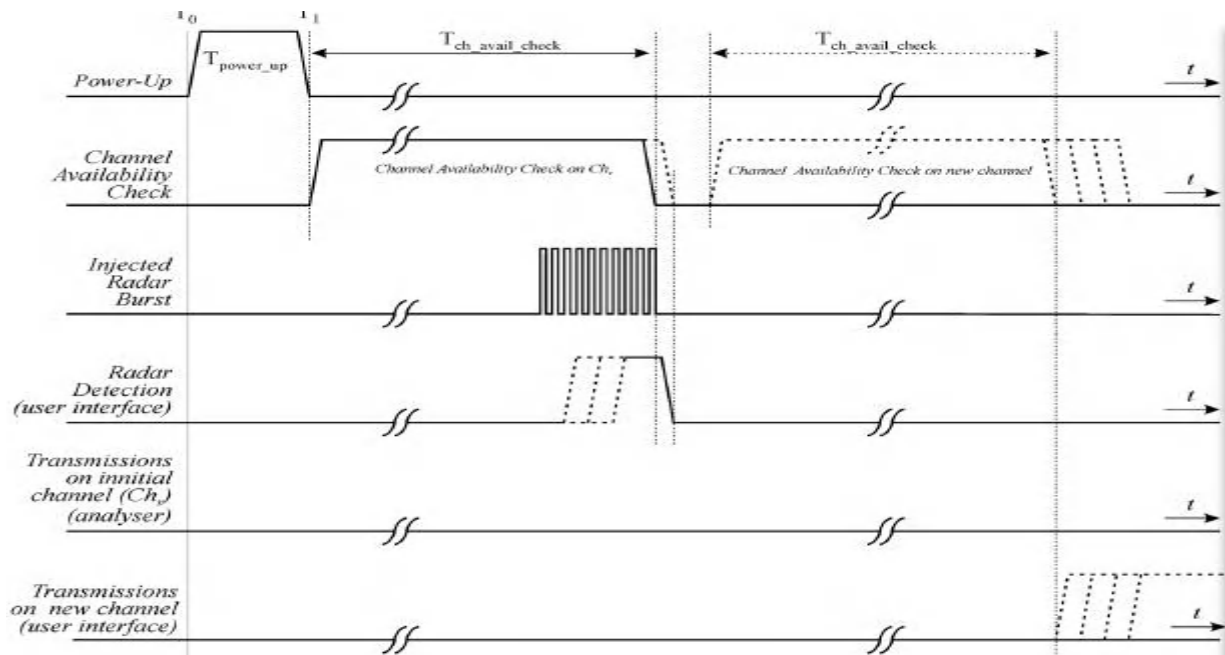
This mechanism is used for identifying Available Channels.

There shall be no transmissions by the device within the channels being checked during this process.

If no radars have been detected on a channel, then that channel becomes an Available Channel.

Radar detection at the beginning and end of CAC (load reference radar waveform), radar injected within 2sec after beginning and end of CAC



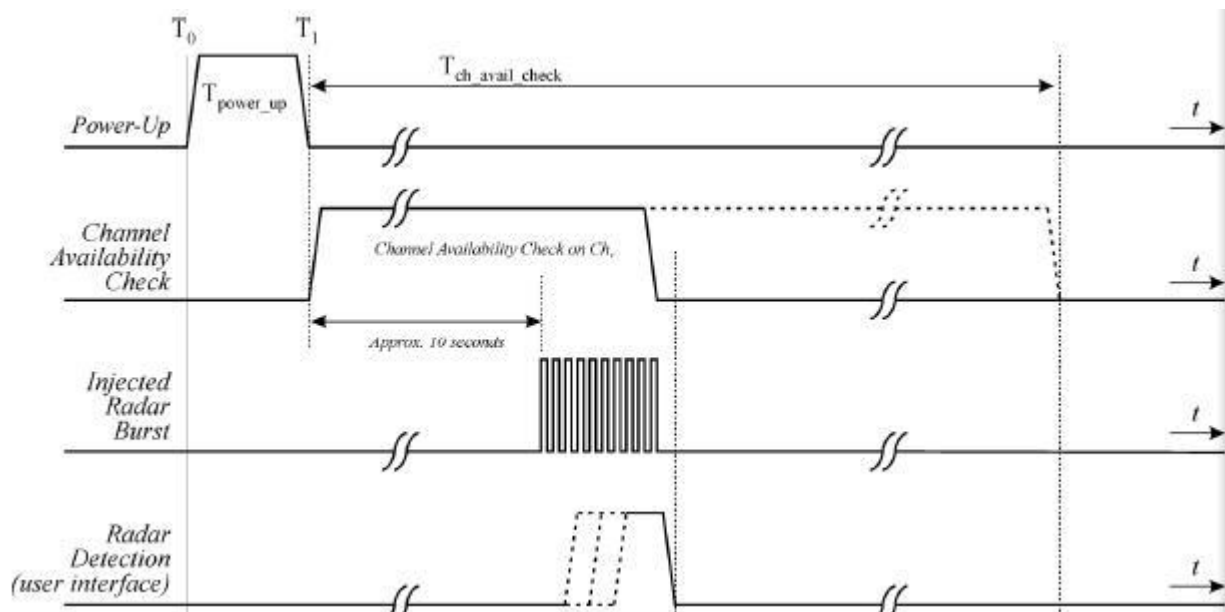


Radar Detection Threshold (during the Channel Availability Check)

The test shall be performed 20 times and each time a different radar test signal shall be generated.

The radar test signal shall be detected at least 12 times out of the 20 trials in order to comply with the detection probability specified for this frequency range.

For the purpose of reducing test time, it is recommended that the single-burst radar test signal starts approximately 10 s after T1.



Off-Channel CAC

Off-Channel CAC is defined as an optional mechanism by which an RLAN monitors channel(s), different from the Operating Channel(s), for the presence of radar signals.

The Off-Channel CAC may be used in addition to the Channel Availability Check defined in clause 4.7.2.1, for identifying Available Channels.

Off-Channel CAC is performed by a number of non-continuous checks spread over a period in time. This time, which is required to determine the presence of radar signals, is defined as the Off-Channel CAC Time.

If no radars have been detected in a channel, then that channel becomes an Available Channel.

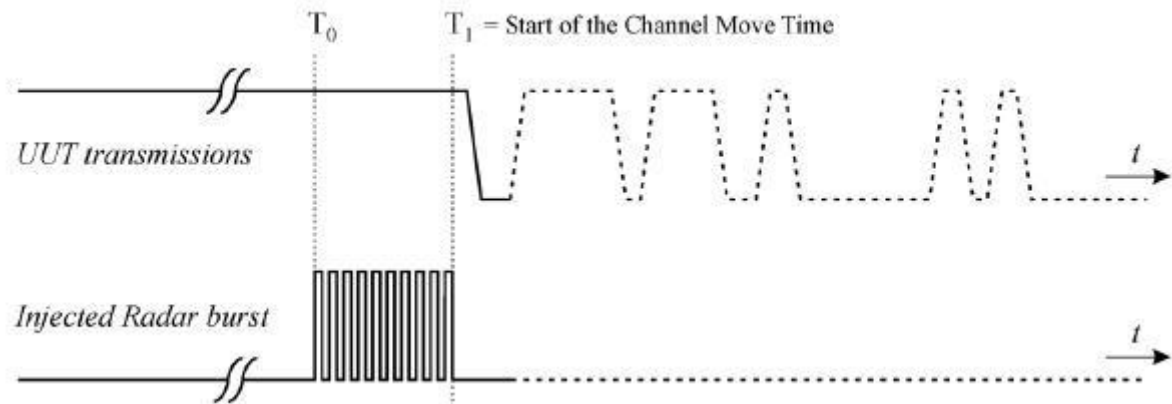
In-Service Monitoring

The In-Service Monitoring is defined as the process by which an RLAN monitors each Operating Channel for the presence of radar signals. The In-Service Monitoring shall be used to monitor each Operating Channel.

The In-Service-Monitoring shall start immediately after the RLAN has started transmissions on a channel.

Single burst radar test signal is generated and it shall be recorded if the radar test signal was detected.

Test shall be performed 20 times. The radar test signal shall be detected at least 12 times out of the 20 trials. This shall be repeated for each of the radar test signals.

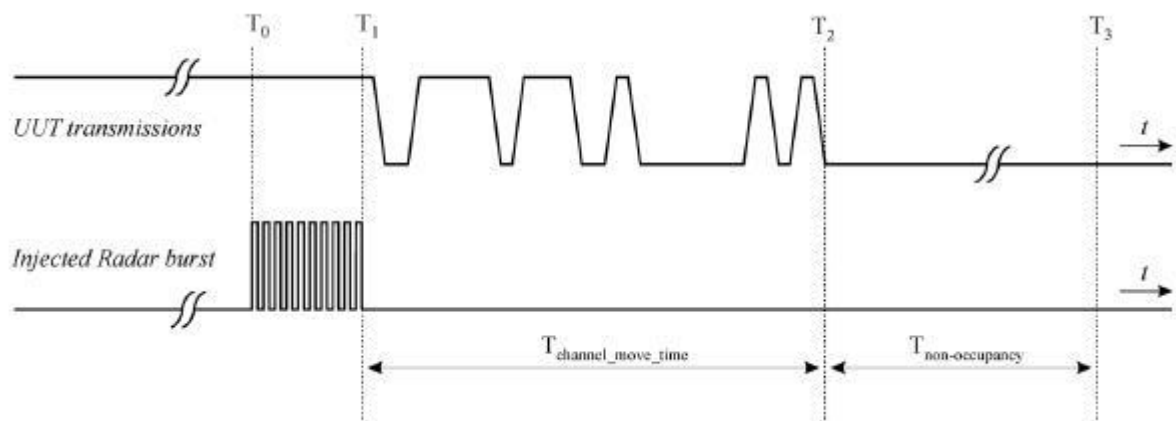


Channel Shutdown and Non-Occupancy Period

The Channel Shutdown is defined as the process initiated by the RLAN device on an Operating Channel after a radar signal has been detected during the In-Service Monitoring on that channel.

Master device shall instruct all associated slave devices to stop transmitting on this channel, which they shall do within the Channel Move Time. This is limited to the Channel Closing Transmission Time, defined as 1 sec.

The Non-Occupancy Period is defined as the time (30mins) during which the RLAN device shall not make any transmissions on a channel after a radar signal was detected on that channel.



Uniform Spreading

The Uniform Spreading is a mechanism to be used by the RLAN to provide, on aggregate, a uniform loading of the spectrum across all devices.

The Uniform Spreading is limited to the channels being declared as part of the channel plan.

Each of the declared Channel Plans (see clause 3.1) shall make use of at least 60 % of the spectrum available in the applicable sub-band(s).

Each of the Usable Channels shall be used with approximately equal probability.

RLAN equipment for which the declared channel plan includes channels whose nominal bandwidth falls completely or partly within the band 5 600 MHz to 5 650 MHz may omit these channels from the list of Usable Channels at initial power up or at initial installation.

Channels being used by other RLAN equipment may be omitted from the list of Usable Channels

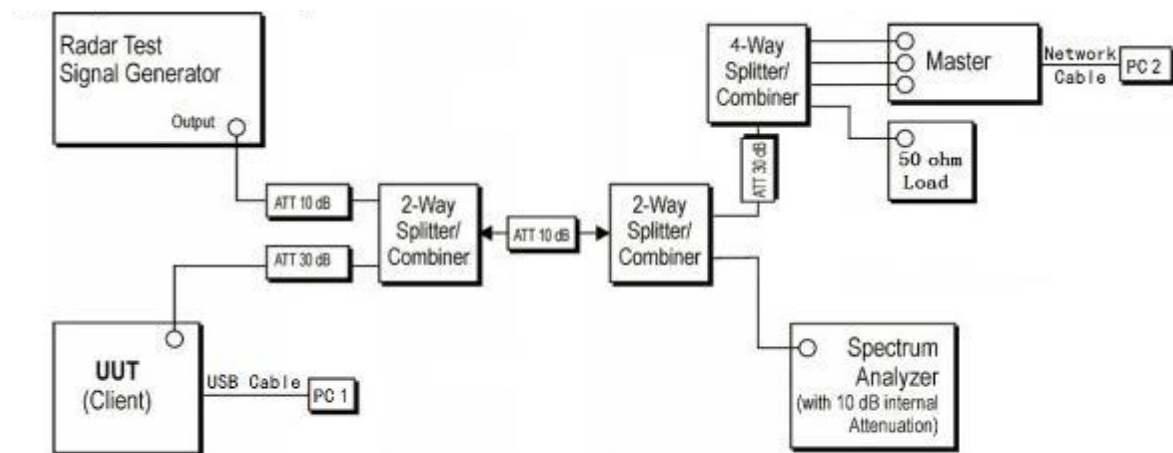
Please refer to ETSI EN 301 893 V2.2.1 (2024-11) Clause 5.4.8.2

15.6. Test Setup

Setup for Client with injection at the Master

Master Name	Brand Name	Model Name	FCC ID	Run-up Time(s)
-------------	------------	------------	--------	----------------

ROG Rapture Tri-band Gaming Router	ASUS	GT-AXE11000	MSQ-RTAXJF00	90
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15.7. Test Result

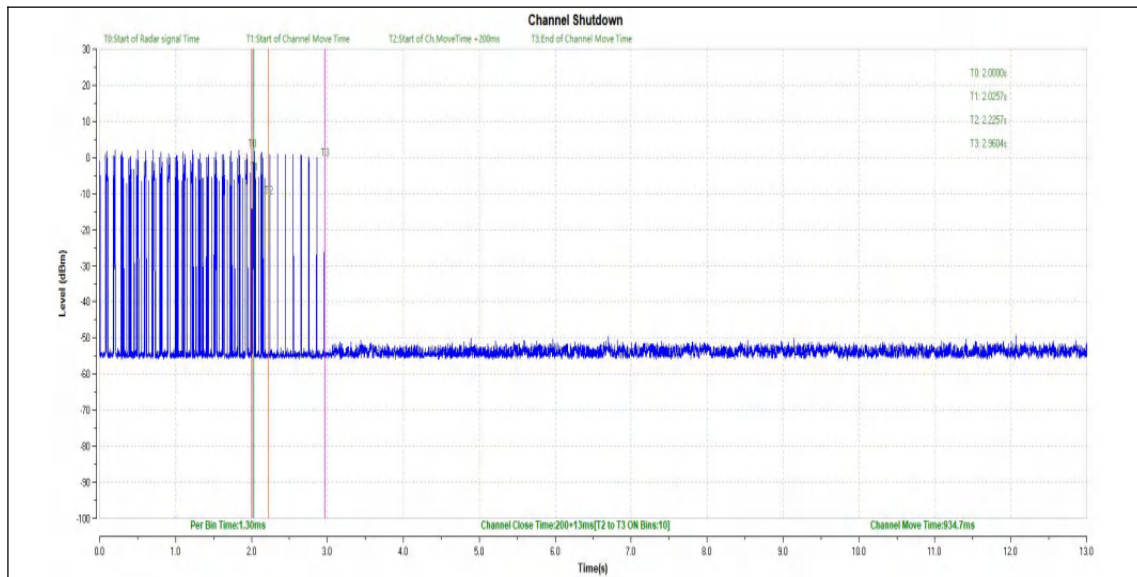
BW/Channel	Test Item	Test Result	Limit	Results
20M/5320MHz	Channel Move Time	0.935s	<10s	pass
	Channel Closing Transmission Time	0.213s	<0.26s	pass
80M/5530MHz	Channel Move Time	0.759s	<10s	pass
	Channel Closing Transmission Time	0.212s	<0.26s	pass

For 5600-5650MHz:

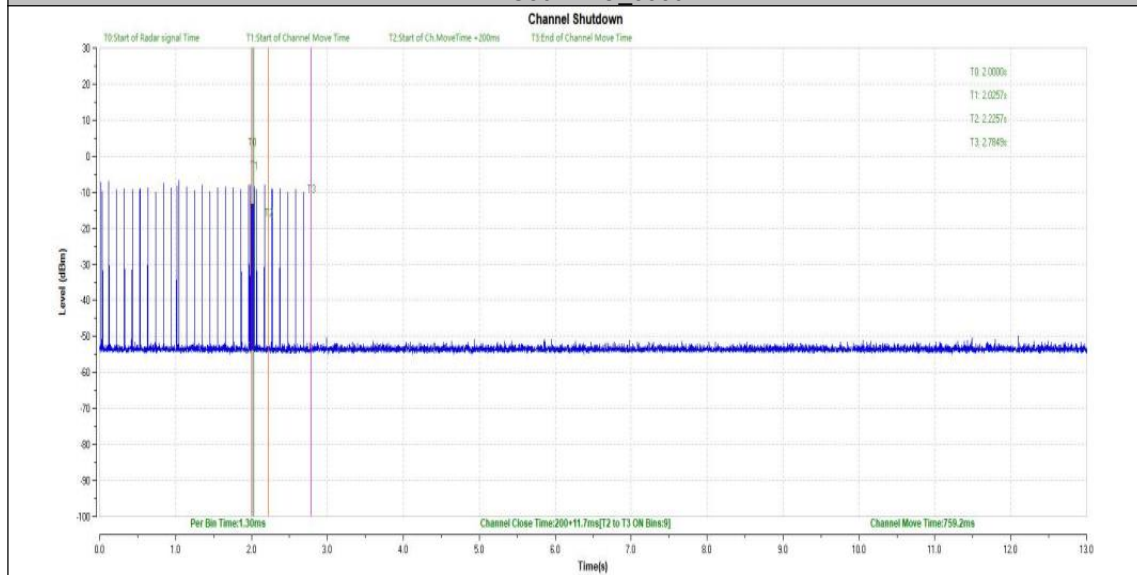
BW/Channel	Test Item	Test Result	Limit	Results
20M/5620MHz	Channel Move Time	0.860s	<10s	pass
	Channel Closing Transmission Time	0.092s	<1s	pass
80M/5610MHz	Channel Move Time	0.836s	<10s	pass
	Channel Closing Transmission Time	0.086s	<1s	pass

Test plots as follows:

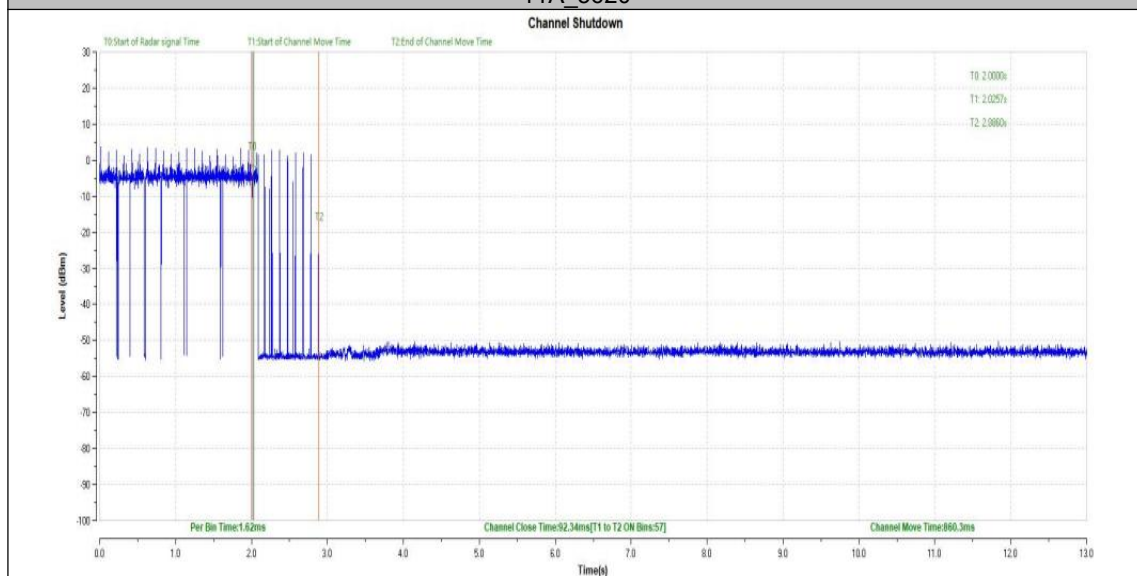
11AC20MIMO_5320



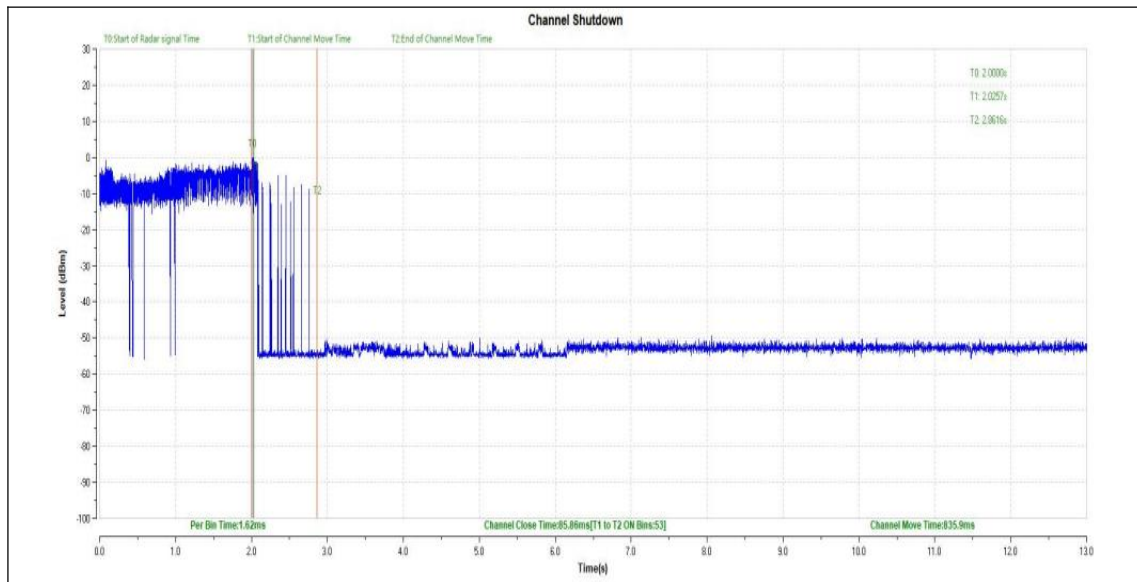
11AC80MIMO_5530



11A_5620



11AC80MIMO_5610



Note 1: We test all channels that need to be tested for DFS, reporting only part of the test pattern and data. In this report, we have identified other parts that are compliant with FCC regulations.

Note 2: The method of establishing a connection between the master device and the slave device. After inserting the EUT USB port into the PC, the laptop opens the router control interface to connect to the EUT and control its corresponding signal transmission.

1. The frequency range of equipment operation is: UNII-1: 5180 MHz to 5240 MHz, U-NII-2A: 5260 MHz to 5320 MHz, U-NII-2C: 5500 MHz to 5700 MHz, U-NI-3: 5745 MHz to 5825 MHz
2. The operating modes is Client, Equipped with radar detection capability, the main U-NII device FCC ID used for DFS testing is MSQ-RTAXJF00.
3. (Equivalent Isotropic Radiated Power (EIRP)) of the equipment, The antenna gain is 6.61 dBi.
4. Test sequences or messages that should be used for communication between Master and Client Devices, which are used for Channel loading. Stream the test file from the Master Device to the Client Device for IP based systems or frame based systems which dynamically allocate the talk/listen ratio.
5. The time required for the master and slave devices to fully start is 120 seconds.
6. The product belongs to Slave without radar detection.
7. Manufacturer statement confirming that information regarding the parameters of the detected Radar Wave forms is not available to the end user.
8. Manufacturers can manually select the first channel 5510 MHz.

16. Antenna Requirements

16.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

16.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated FPC antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 4.49 dBi for antenna 1, 2.61 dBi for antenna 2.

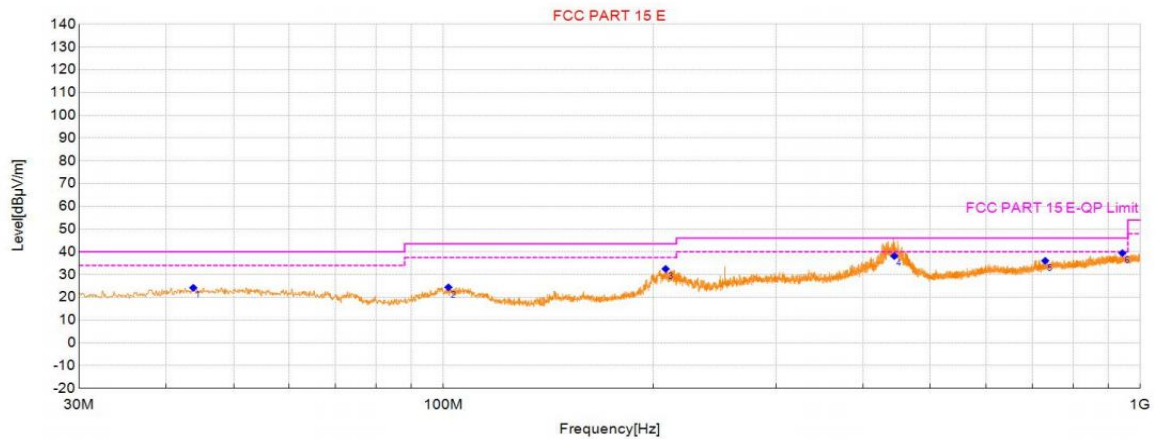
APPENDIX A - Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 16:51:30

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	43.78	3.69	20.52	24.21	40.00	15.79	100	35	Horizontal	PASS
2	101.69	4.51	19.91	24.42	43.50	19.08	100	254	Horizontal	PASS
3	208.40	12.29	20.21	32.50	43.50	11.00	100	246	Horizontal	PASS
4	443.58	12.20	25.95	38.15	46.00	7.85	104.8	326.7	Horizontal	PASS
5	730.31	4.69	31.38	36.07	46.00	9.93	100	254	Horizontal	PASS
6	942.38	5.3	34.15	39.45	46.00	6.55	100	283	Horizontal	PASS

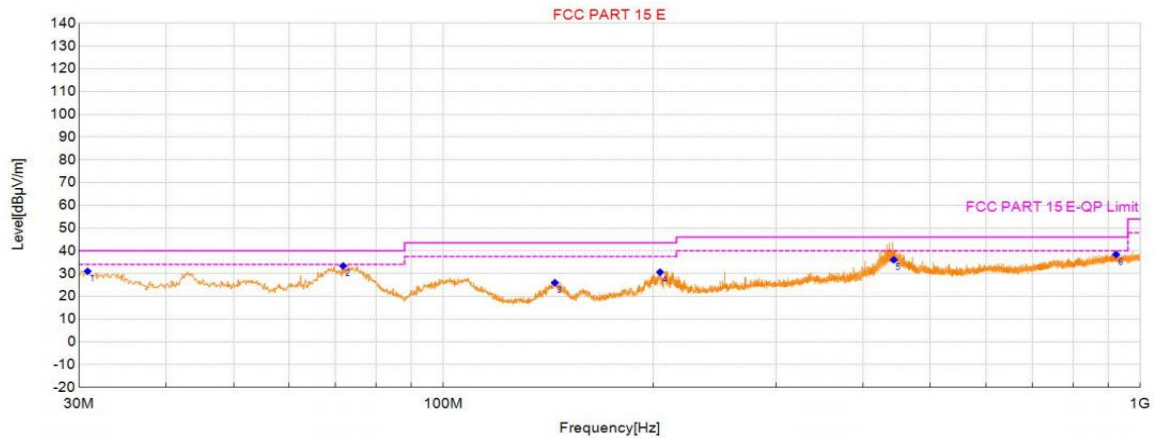
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 16:52:17

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.87	13.48	17.52	31.00	40.00	9.00	100	212	Vertical	PASS
2	71.81	16.62	16.75	33.37	40.00	6.63	100	187	Vertical	PASS
3	144.57	9.57	16.42	25.99	43.50	17.51	100	221	Vertical	PASS
4	204.62	10.53	20.09	30.62	43.50	12.88	100	242	Vertical	PASS
5	442.81	10.15	25.93	36.08	46.00	9.92	104.6	220.8	Vertical	PASS
6	922.97	4.47	33.96	38.43	46.00	7.57	100	335	Vertical	PASS

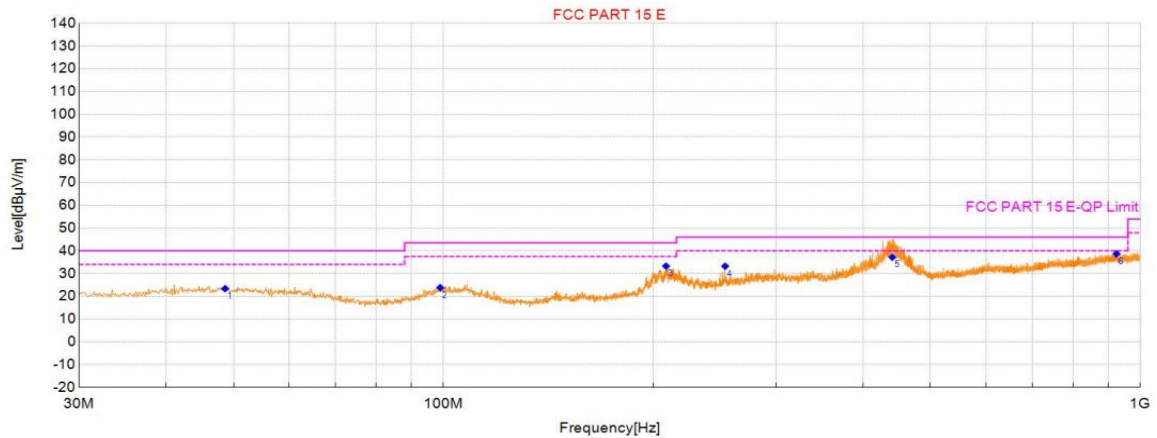
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:01:39

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	48.63	2.27	21.14	23.41	40.00	16.59	100	152	Horizontal	PASS
2	98.97	4.07	19.74	23.81	43.50	19.69	100	70	Horizontal	PASS
3	208.69	13.08	20.21	33.29	43.50	10.21	100	218	Horizontal	PASS
4	253.70	11.61	21.63	33.24	46.00	12.76	100	317	Horizontal	PASS
5	440.66	11.27	25.93	37.20	46.00	8.80	104.6	322	Horizontal	PASS
6	924.24	4.67	33.98	38.65	46.00	7.35	100	166	Horizontal	PASS

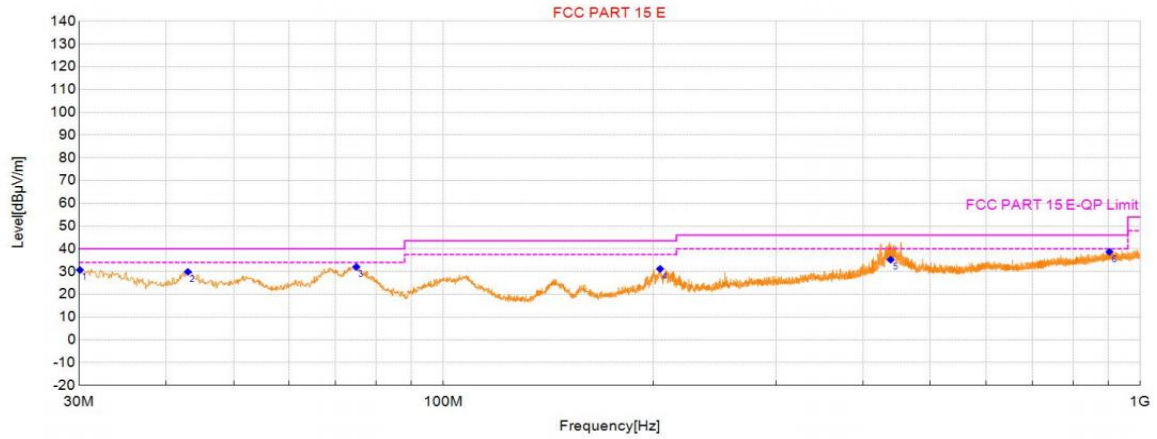
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:02:22

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.10	13.27	17.44	30.71	40.00	9.29	100	182	Vertical	PASS
2	43.00	9.53	20.35	29.88	40.00	10.12	100	187	Vertical	PASS
3	75.01	16.12	15.93	32.05	40.00	7.95	100	182	Vertical	PASS
4	204.62	11.1	20.09	31.19	43.50	12.31	100	255	Vertical	PASS
5	438.34	9.33	25.90	35.23	46.00	10.77	104.8	224.5	Vertical	PASS
6	902.99	4.99	33.70	38.69	46.00	7.31	100	164	Vertical	PASS

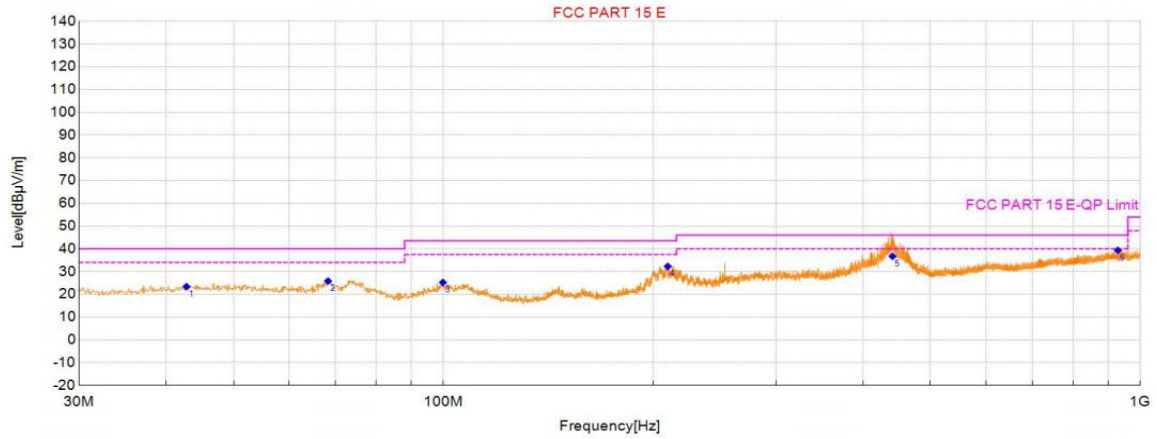
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:12:58

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	42.81	3.09	20.31	23.40	40.00	16.60	100	80	Horizontal	PASS
2	68.32	8.11	17.73	25.84	40.00	14.16	100	260	Horizontal	PASS
3	99.85	5.28	19.95	25.23	43.50	18.27	100	62	Horizontal	PASS
4	209.86	12.05	20.25	32.30	43.50	11.20	100	228	Horizontal	PASS
5	440.93	10.82	25.91	36.73	46.00	9.27	104.6	312.6	Horizontal	PASS
6	928.41	5.33	34.02	39.35	46.00	6.65	100	176	Horizontal	PASS

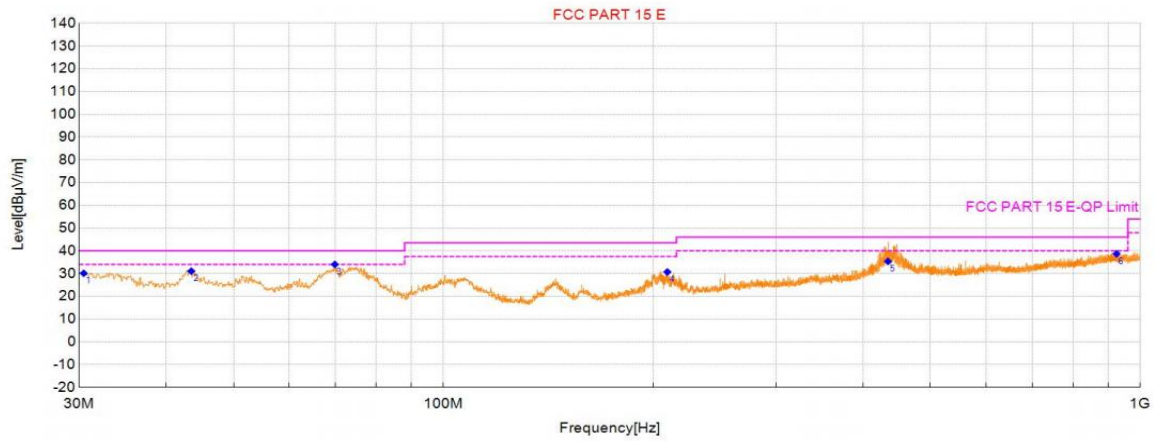
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:13:41

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.49	12.65	17.48	30.13	40.00	9.87	100	65	Vertical	PASS
2	43.48	10.62	20.46	31.08	40.00	8.92	100	134	Vertical	PASS
3	69.87	16.76	17.26	34.02	40.00	5.98	100	181	Vertical	PASS
4	209.56	10.47	20.24	30.71	43.50	12.79	100	241	Vertical	PASS
5	434.35	9.47	25.90	35.37	46.00	10.63	104.8	229.8	Vertical	PASS
6	924.53	4.69	33.98	38.67	46.00	7.33	100	241	Vertical	PASS

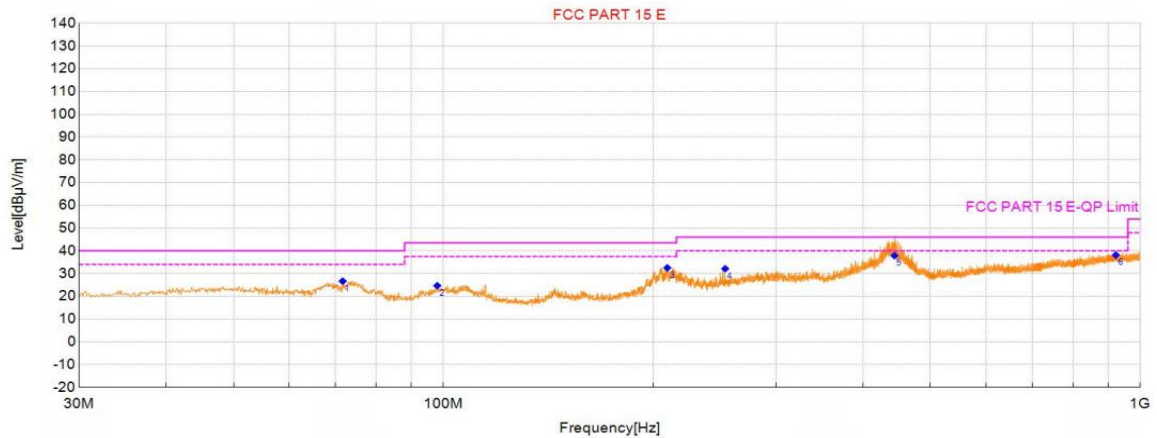
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:21:47

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	71.71	9.9	16.78	26.68	40.00	13.32	100	274	Horizontal	PASS
2	98.00	5.18	19.50	24.68	43.50	18.82	100	54	Horizontal	PASS
3	209.56	12.29	20.24	32.53	43.50	10.97	100	244	Horizontal	PASS
4	253.70	10.52	21.63	32.15	46.00	13.85	100	320	Horizontal	PASS
5	443.88	11.94	25.97	37.91	46.00	8.09	104.6	318.7	Horizontal	PASS
6	922.39	4.16	33.96	38.12	46.00	7.88	100	256	Horizontal	PASS

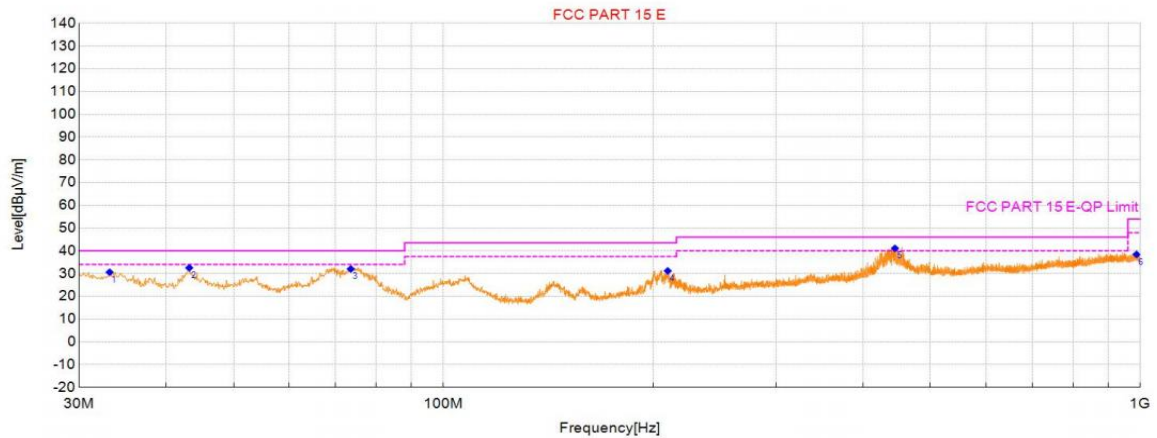
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	AVer UC500 Mini PC		
Customer:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-09-01 17:22:30

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	33.20	12.86	17.76	30.62	40.00	9.38	100	108	Vertical	PASS
2	43.19	12.12	20.40	32.52	40.00	7.48	100	117	Vertical	PASS
3	73.65	15.75	16.28	32.03	40.00	7.97	100	164	Vertical	PASS
4	209.86	10.93	20.25	31.18	43.50	12.32	100	250	Vertical	PASS
5	444.62	15.13	25.97	41.10	46.00	4.90	100	232	Vertical	PASS
6	987.58	3.42	35.02	38.44	54.00	15.56	100	259	Vertical	PASS

Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

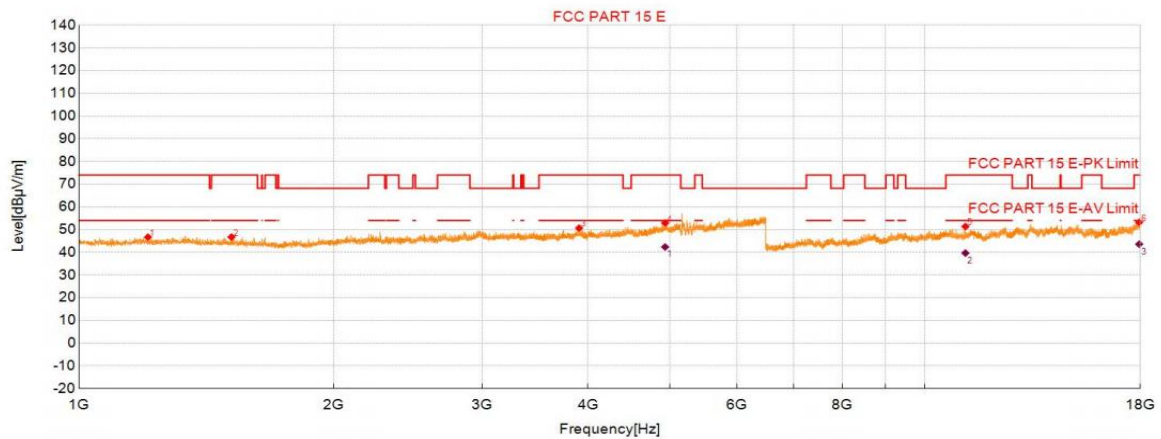
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:20:45

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1206.82	43.15	46.68	3.53	74.00	27.32	150	272	Horizontal
2	1514.85	42.17	46.74	4.57	74.00	27.26	150	192	Horizontal
3	3903.74	36.42	50.65	14.23	74.00	23.35	150	198	Horizontal
4	4934.54	34.12	52.92	18.80	74.00	21.08	150	324	Horizontal
5	11178.67	43.93	51.36	7.43	74.00	22.64	150	192	Horizontal
6	17943.64	36.42	53.21	16.79	74.00	20.79	150	90	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4934.54	23.56	18.80	42.36	54.00	11.64	150	324	Horizontal
2	11178.67	32.23	7.43	39.66	54.00	14.34	150	192	Horizontal
3	17943.64	26.80	16.79	43.59	54.00	10.41	150	90	Horizontal

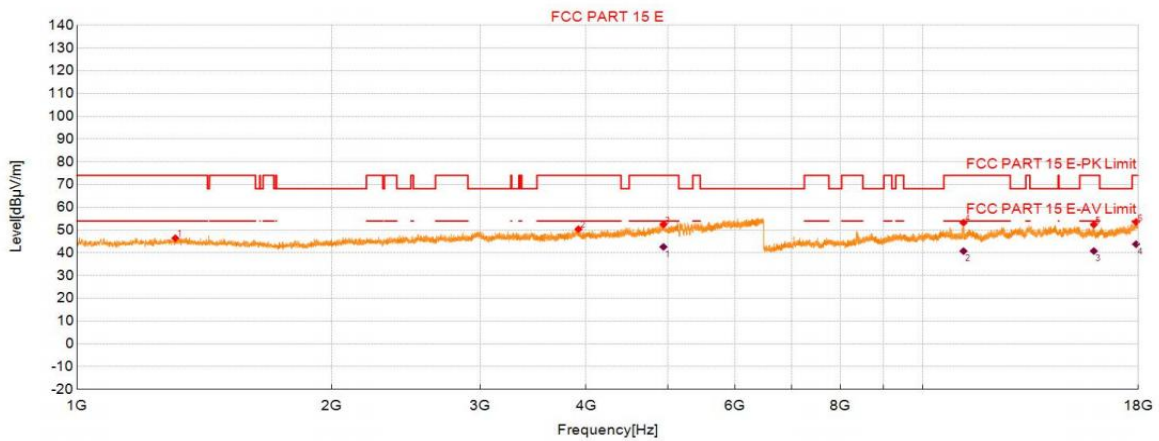
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:22:06

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1307.48	42.37	46.44	4.07	74.00	27.56	150	330	Vertical
2	3918.59	36.15	50.41	14.26	74.00	23.59	150	356	Vertical
3	4938.94	33.66	52.47	18.81	74.00	21.53	150	342	Vertical
4	11180.97	45.84	53.27	7.43	74.00	20.73	150	12	Vertical
5	15944.74	40.74	52.41	11.67	74.00	21.59	150	350	Vertical
6	17888.44	36.51	53.57	17.06	74.00	20.43	150	67	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4938.94	23.81	18.81	42.62	54.00	11.38	150	342	Vertical
2	11180.97	33.34	7.43	40.77	54.00	13.23	150	12	Vertical
3	15944.74	29.12	11.67	40.79	54.00	13.21	150	350	Vertical
4	17888.44	26.76	17.06	43.82	54.00	10.18	150	67	Vertical

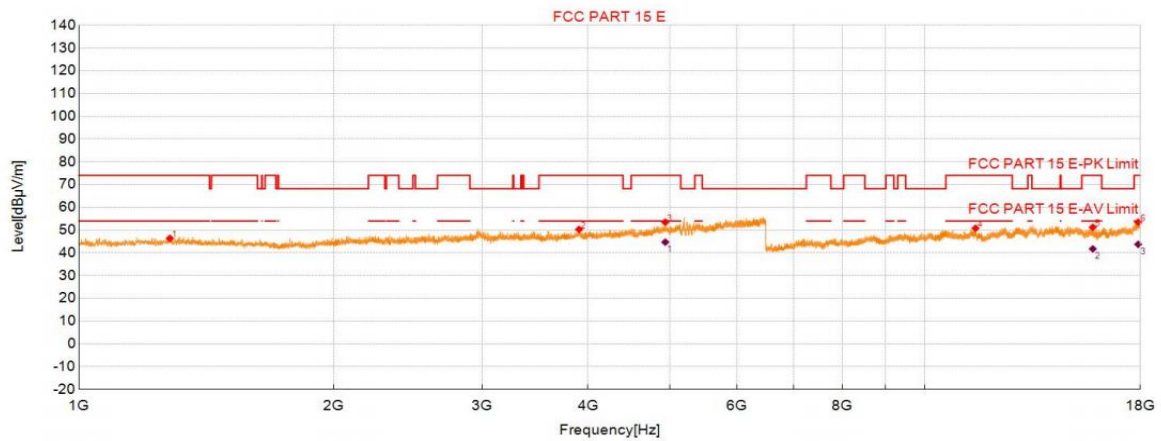
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5200	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:25:15

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1281.08	42.42	46.39	3.97	74.00	27.61	150	1	Horizontal
2	3903.74	36.08	50.31	14.23	74.00	23.69	150	3	Horizontal
3	4936.74	34.71	53.51	18.80	74.00	20.49	150	316	Horizontal
4	11490.35	43.00	50.81	7.81	74.00	23.19	150	164	Horizontal
5	15814.78	39.53	51.23	11.70	74.00	22.77	150	188	Horizontal
6	17894.19	36.43	53.48	17.05	74.00	20.52	150	260	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4936.74	25.92	18.80	44.72	54.00	9.28	150	316	Horizontal
2	15814.78	30.03	11.70	41.73	54.00	12.27	150	188	Horizontal
3	17894.19	26.69	17.05	43.74	54.00	10.26	150	260	Horizontal

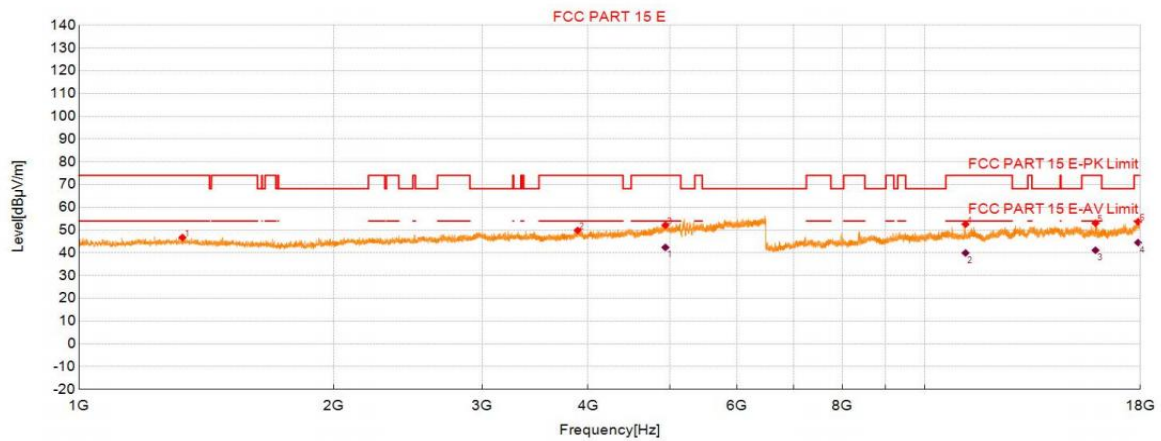
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5200	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:26:35

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1325.63	42.59	46.75	4.16	74.00	27.25	150	308	Vertical
2	3888.34	35.76	49.83	14.07	74.00	24.17	150	237	Vertical
3	4937.84	33.34	52.14	18.80	74.00	21.86	150	325	Vertical
4	11182.12	45.15	52.58	7.43	74.00	21.42	150	360	Vertical
5	15930.94	41.29	53.05	11.76	74.00	20.95	150	108	Vertical
6	17889.59	36.64	53.69	17.05	74.00	20.31	150	48	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4937.84	23.59	18.80	42.39	54.00	11.61	150	325	Vertical
2	11182.12	32.51	7.43	39.94	54.00	14.06	150	360	Vertical
3	15930.94	29.37	11.76	41.13	54.00	12.87	150	108	Vertical
4	17889.59	27.46	17.05	44.51	54.00	9.49	150	48	Vertical

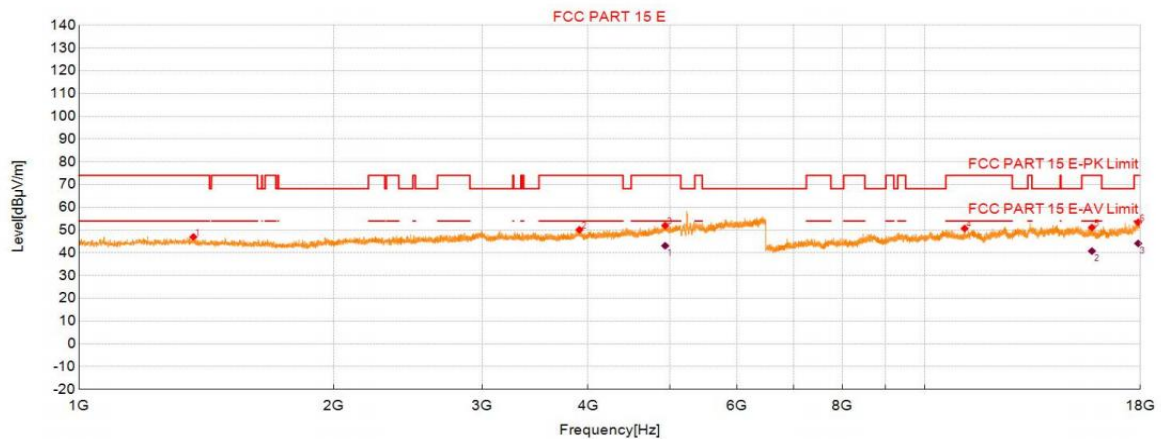
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5240	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:29:02

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1365.79	42.65	46.99	4.34	74.00	27.01	150	174	Horizontal
2	3907.59	35.91	50.15	14.24	74.00	23.85	150	288	Horizontal
3	4935.64	33.19	51.99	18.80	74.00	22.01	150	131	Horizontal
4	11154.52	43.33	50.72	7.39	74.00	23.28	150	299	Horizontal
5	15775.68	39.33	51.13	11.80	74.00	22.87	150	212	Horizontal
6	17893.04	36.38	53.44	17.06	74.00	20.56	150	336	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4935.64	24.33	18.80	43.13	54.00	10.87	150	131	Horizontal
2	15775.68	28.99	11.80	40.79	54.00	13.21	150	212	Horizontal
3	17893.04	27.08	17.06	44.14	54.00	9.86	150	336	Horizontal

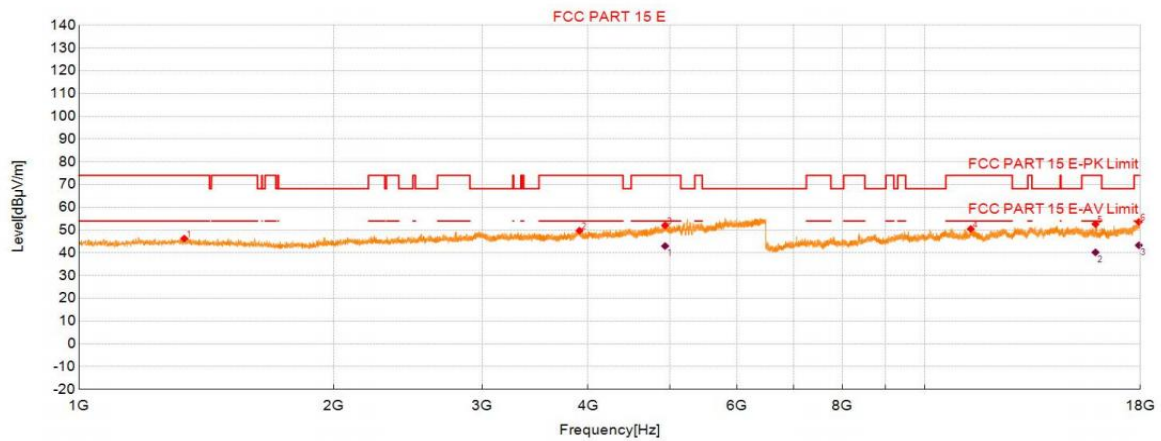
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5240	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:30:22

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1332.23	42.07	46.27	4.20	74.00	27.73	150	218	Vertical
2	3908.14	35.51	49.75	14.24	74.00	24.25	150	30	Vertical
3	4934.54	33.28	52.08	18.80	74.00	21.92	150	181	Vertical
4	11341.98	42.71	50.51	7.80	74.00	23.49	150	359	Vertical
5	15930.94	40.87	52.63	11.76	74.00	21.37	150	348	Vertical
6	17927.54	36.74	53.62	16.88	74.00	20.38	150	301	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4934.54	24.19	18.80	42.99	54.00	11.01	150	181	Vertical
2	15930.94	28.46	11.76	40.22	54.00	13.78	150	348	Vertical
3	17927.54	26.44	16.88	43.32	54.00	10.68	150	301	Vertical

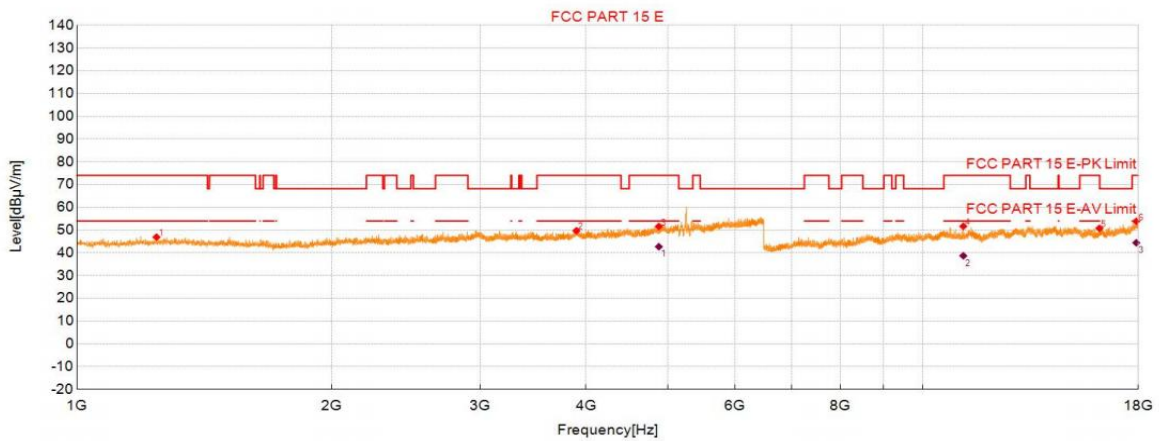
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5260	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:32:54

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1242.02	43.09	46.90	3.81	74.00	27.10	150	205	Horizontal
2	3896.59	35.54	49.71	14.17	74.00	24.29	150	180	Horizontal
3	4877.89	32.99	51.60	18.61	74.00	22.40	150	283	Horizontal
4	11176.37	44.25	51.68	7.43	74.00	22.32	150	187	Horizontal
5	16189.72	38.75	50.78	12.03	74.00	23.22	150	356	Horizontal
6	17898.79	36.80	53.86	17.06	74.00	20.14	150	30	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4877.89	24.10	18.61	42.71	54.00	11.29	150	283	Horizontal
2	11176.37	31.27	7.43	38.70	54.00	15.30	150	187	Horizontal
3	17898.79	27.38	17.06	44.44	54.00	9.56	150	30	Horizontal

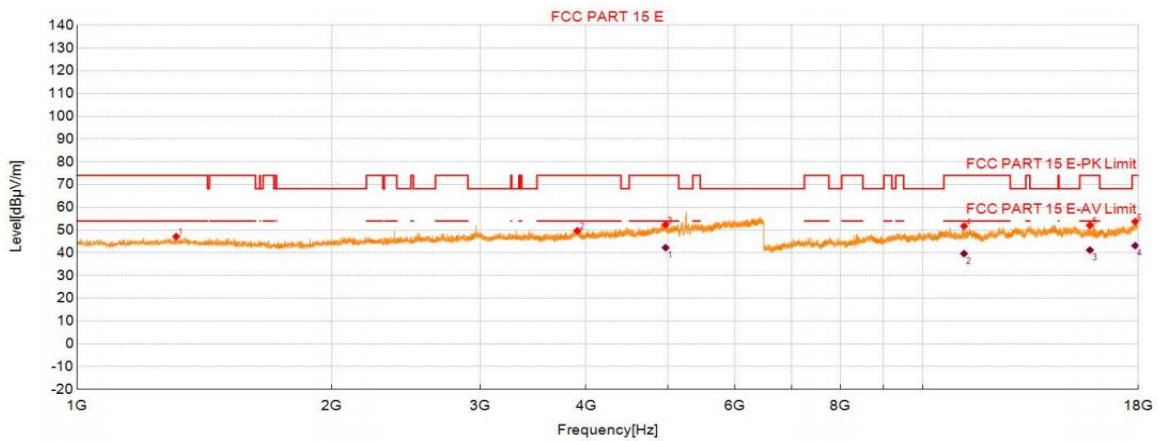
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5260	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:34:14

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1310.23	43.08	47.17	4.09	74.00	26.83	150	282	Vertical
2	3906.49	35.45	49.68	14.23	74.00	24.32	150	243	Vertical
3	4968.10	33.40	52.37	18.97	74.00	21.63	150	14	Vertical
4	11198.22	44.28	51.74	7.46	74.00	22.26	150	2	Vertical
5	15779.13	40.35	52.13	11.78	74.00	21.87	150	215	Vertical
6	17845.88	36.70	53.75	17.05	74.00	20.25	150	356	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4968.10	23.31	18.97	42.28	54.00	11.72	150	14	Vertical
2	11198.22	32.19	7.46	39.65	54.00	14.35	150	2	Vertical
3	15779.13	29.43	11.78	41.21	54.00	12.79	150	215	Vertical
4	17845.88	26.10	17.05	43.15	54.00	10.85	150	356	Vertical

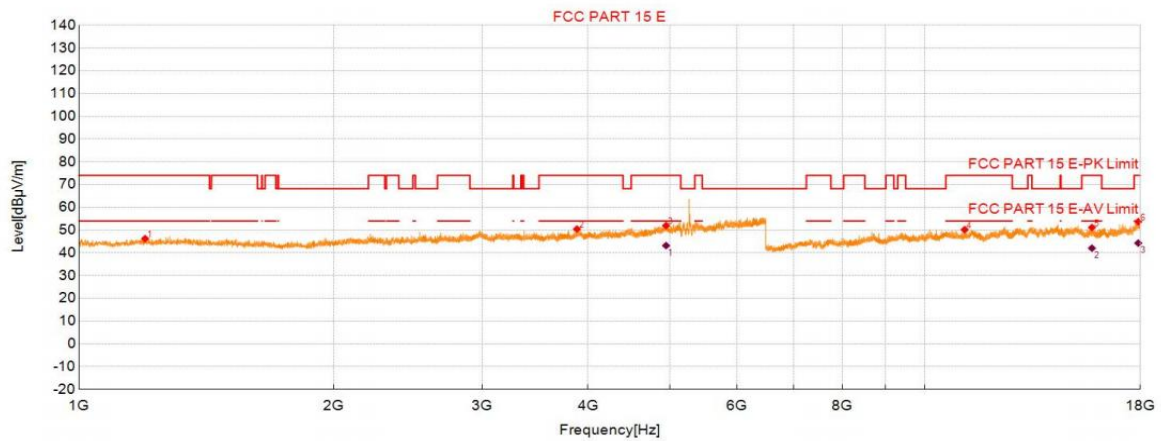
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5280	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:38:26

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1197.47	42.79	46.24	3.45	74.00	27.76	150	288	Horizontal
2	3881.19	36.49	50.46	13.97	74.00	23.54	150	358	Horizontal
3	4947.19	33.14	51.96	18.82	74.00	22.04	150	358	Horizontal
4	11155.67	42.81	50.21	7.40	74.00	23.79	150	127	Horizontal
5	15776.83	39.35	51.14	11.79	74.00	22.86	150	189	Horizontal
6	17898.79	36.66	53.72	17.06	74.00	20.28	150	90	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4947.19	24.37	18.82	43.19	54.00	10.81	150	358	Horizontal
2	15776.83	30.27	11.79	42.06	54.00	11.94	150	189	Horizontal
3	17898.79	27.24	17.06	44.30	54.00	9.70	150	90	Horizontal

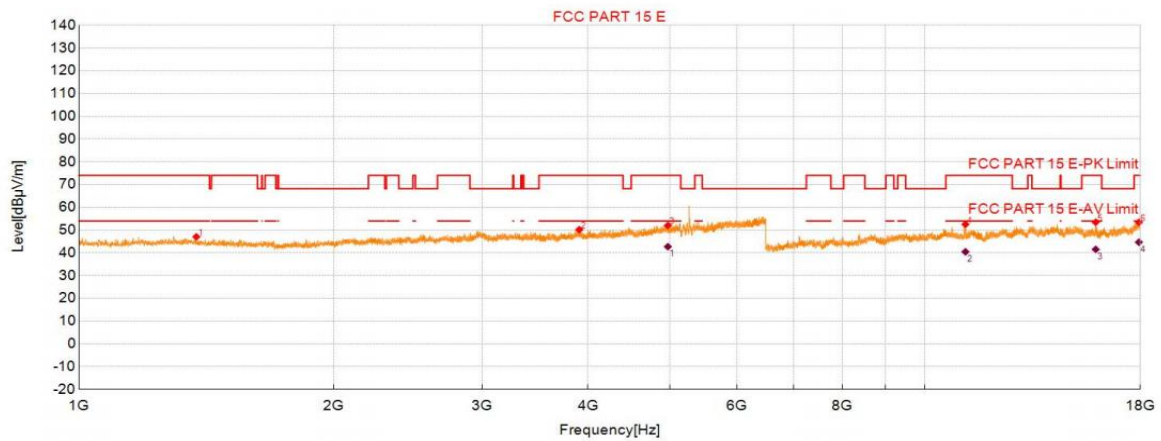
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5280	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:39:46

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1376.79	42.66	47.05	4.39	74.00	26.95	150	255	Vertical
2	3905.39	35.95	50.18	14.23	74.00	23.82	150	293	Vertical
3	4971.40	33.02	52.02	19.00	74.00	21.98	150	16	Vertical
4	11179.82	45.11	52.54	7.43	74.00	21.46	150	154	Vertical
5	15940.14	41.79	53.48	11.69	74.00	20.52	150	349	Vertical
6	17929.84	36.56	53.43	16.87	74.00	20.57	150	196	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4971.40	23.72	19.00	42.72	54.00	11.28	150	16	Vertical
2	11179.82	33.04	7.43	40.47	54.00	13.53	150	154	Vertical
3	15940.14	29.83	11.69	41.52	54.00	12.48	150	349	Vertical
4	17929.84	27.82	16.87	44.69	54.00	9.31	150	196	Vertical

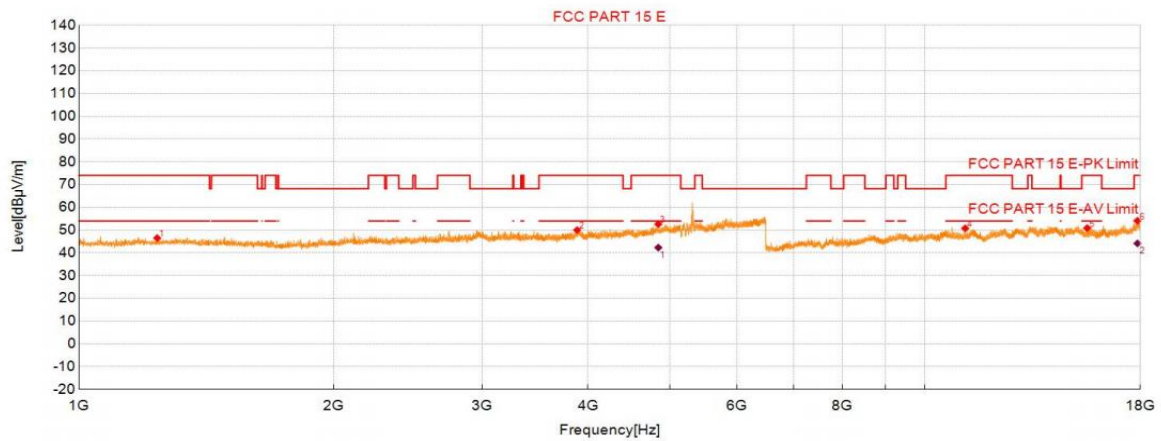
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:42:52

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1237.62	42.71	46.49	3.78	74.00	27.51	150	347	Horizontal
2	3883.39	36.01	50.01	14.00	74.00	23.99	150	356	Horizontal
3	4843.78	34.27	52.62	18.35	74.00	21.38	150	0	Horizontal
4	11172.92	43.37	50.79	7.42	74.00	23.21	150	337	Horizontal
5	15573.26	38.58	50.88	12.30	74.00	23.12	150	2	Horizontal
6	17858.54	37.07	54.11	17.04	74.00	19.89	150	159	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4843.78	23.96	18.35	42.31	54.00	11.69	150	0	Horizontal
2	17858.54	27.10	17.04	44.14	54.00	9.86	150	159	Horizontal

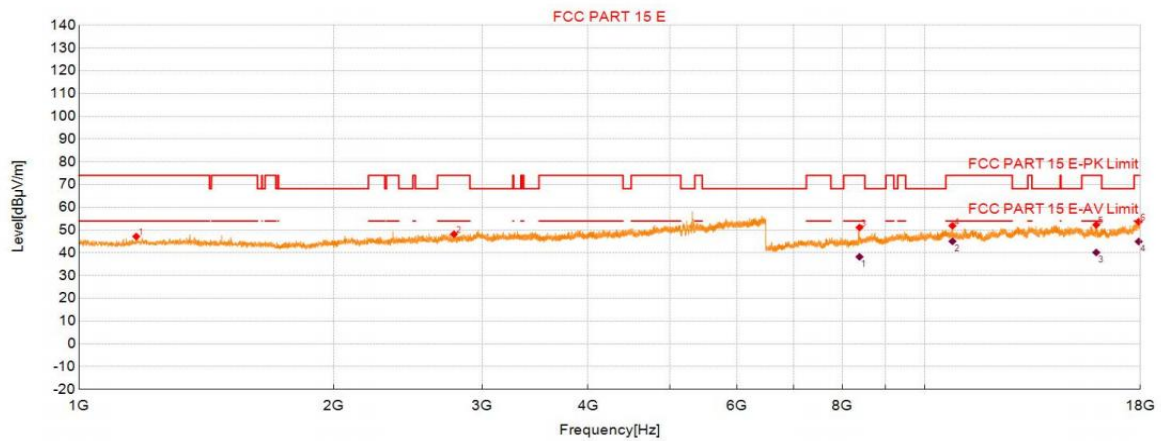
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:44:13

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1168.87	44.16	47.20	3.04	74.00	26.80	150	174	Vertical
2	2776.68	39.15	48.20	9.05	74.00	25.80	150	356	Vertical
3	8378.14	48.21	51.13	2.92	74.00	22.87	150	103	Vertical
4	10791.08	44.16	51.90	7.74	74.00	22.10	150	259	Vertical
5	15963.15	40.78	52.32	11.54	74.00	21.68	150	350	Vertical
6	17919.49	36.75	53.69	16.94	74.00	20.31	150	174	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	8378.14	35.33	2.92	38.25	54.00	15.75	150	103	Vertical
2	10791.08	37.32	7.74	45.06	54.00	8.94	150	259	Vertical
3	15963.15	28.64	11.54	40.18	54.00	13.82	150	350	Vertical
4	17919.49	28.03	16.94	44.97	54.00	9.03	150	174	Vertical

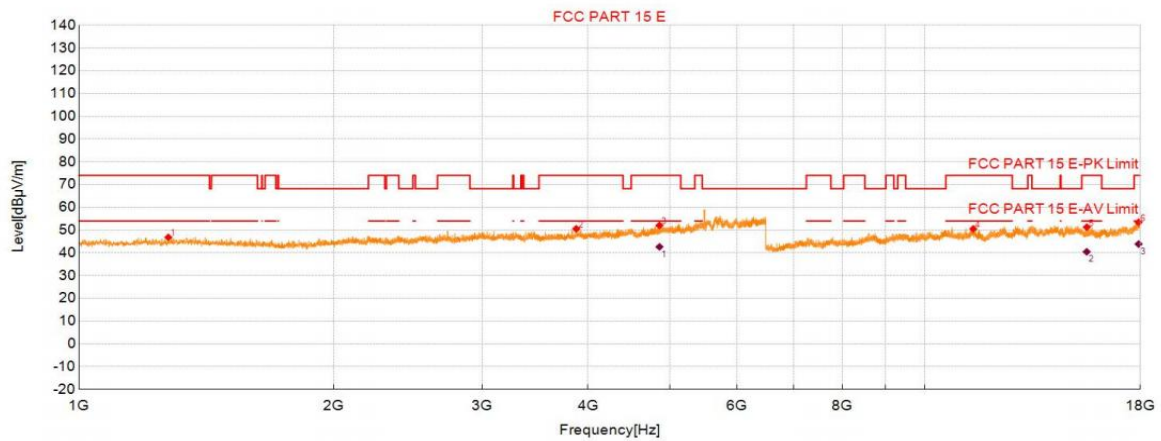
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:46:49

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1275.58	42.95	46.81	3.86	74.00	27.19	150	233	Horizontal
2	3873.49	36.78	50.57	13.79	74.00	23.43	150	130	Horizontal
3	4859.19	33.72	52.03	18.31	74.00	21.97	150	245	Horizontal
4	11421.34	42.67	50.56	7.89	74.00	23.44	150	30	Horizontal
5	15556.01	38.95	51.28	12.33	74.00	22.72	150	60	Horizontal
6	17914.89	36.48	53.45	16.97	74.00	20.55	150	37	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4859.19	24.33	18.31	42.64	54.00	11.36	150	245	Horizontal
2	15556.01	28.13	12.33	40.46	54.00	13.54	150	60	Horizontal
3	17914.89	26.90	16.97	43.87	54.00	10.13	150	37	Horizontal

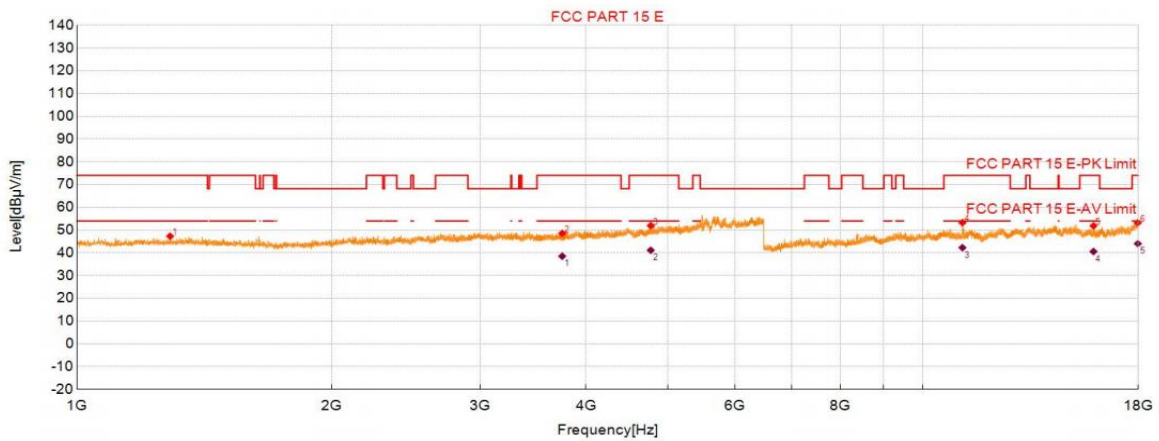
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:48:09

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1288.78	43.39	47.31	3.92	74.00	26.69	150	330	Vertical
2	3749.17	35.83	48.55	12.72	74.00	25.45	150	0	Vertical
3	4771.18	34.20	51.94	17.74	74.00	22.06	150	0	Vertical
4	11148.76	45.90	53.28	7.38	74.00	20.72	150	357	Vertical
5	15930.94	40.08	51.84	11.76	74.00	22.16	150	352	Vertical
6	17975.85	36.65	53.23	16.58	74.00	20.77	150	267	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	3749.17	25.81	12.72	38.53	54.00	15.47	150	0	Vertical
2	4771.18	23.40	17.74	41.14	54.00	12.86	150	0	Vertical
3	11148.76	34.90	7.38	42.28	54.00	11.72	150	357	Vertical
4	15930.94	28.83	11.76	40.59	54.00	13.41	150	352	Vertical
5	17975.85	27.46	16.58	44.04	54.00	9.96	150	267	Vertical

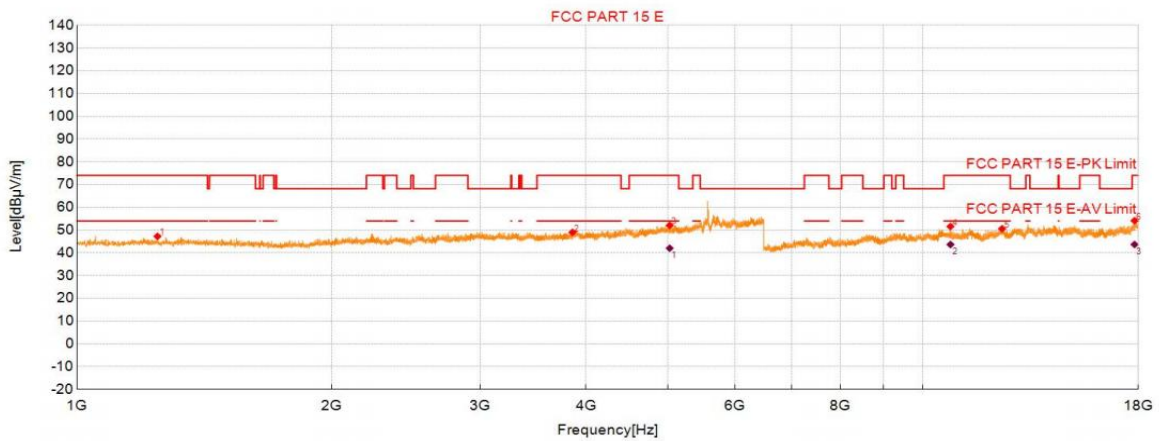
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5580	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:50:33

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1245.32	43.54	47.26	3.72	74.00	26.74	150	252	Horizontal
2	3854.79	35.43	49.01	13.58	74.00	24.99	150	136	Horizontal
3	5023.65	32.85	52.05	19.20	74.00	21.95	150	4	Horizontal
4	10791.08	43.85	51.59	7.74	74.00	22.41	150	351	Horizontal
5	12419.64	42.09	50.60	8.51	74.00	23.40	150	194	Horizontal
6	17813.68	37.10	54.13	17.03	74.00	19.87	150	287	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5023.65	22.85	19.20	42.05	54.00	11.95	150	4	Horizontal
2	10791.08	35.93	7.74	43.67	54.00	10.33	150	351	Horizontal
3	17813.68	26.66	17.03	43.69	54.00	10.31	150	287	Horizontal

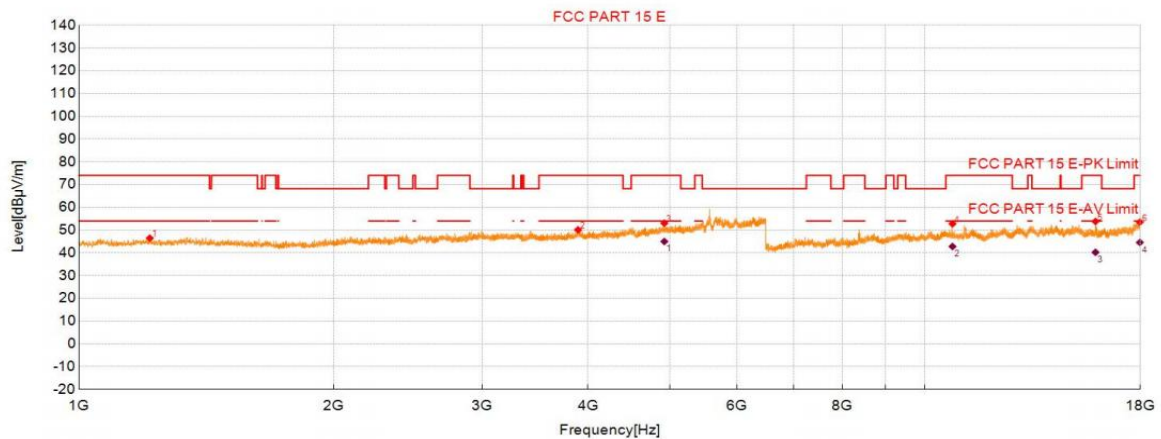
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5580	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:51:54

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1212.87	42.82	46.47	3.65	74.00	27.53	150	215	Vertical
2	3892.19	36.12	50.11	13.99	74.00	23.89	150	257	Vertical
3	4924.09	34.50	53.05	18.55	74.00	20.95	150	159	Vertical
4	10792.23	45.05	52.78	7.73	74.00	21.22	150	257	Vertical
5	15930.94	42.05	53.81	11.76	74.00	20.19	150	352	Vertical
6	17977.00	36.94	53.52	16.58	74.00	20.48	150	301	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4924.09	26.44	18.55	44.99	54.00	9.01	150	159	Vertical
2	10792.23	35.05	7.73	42.78	54.00	11.22	150	257	Vertical
3	15930.94	28.47	11.76	40.23	54.00	13.77	150	352	Vertical
4	17977.00	27.99	16.58	44.57	54.00	9.43	150	301	Vertical

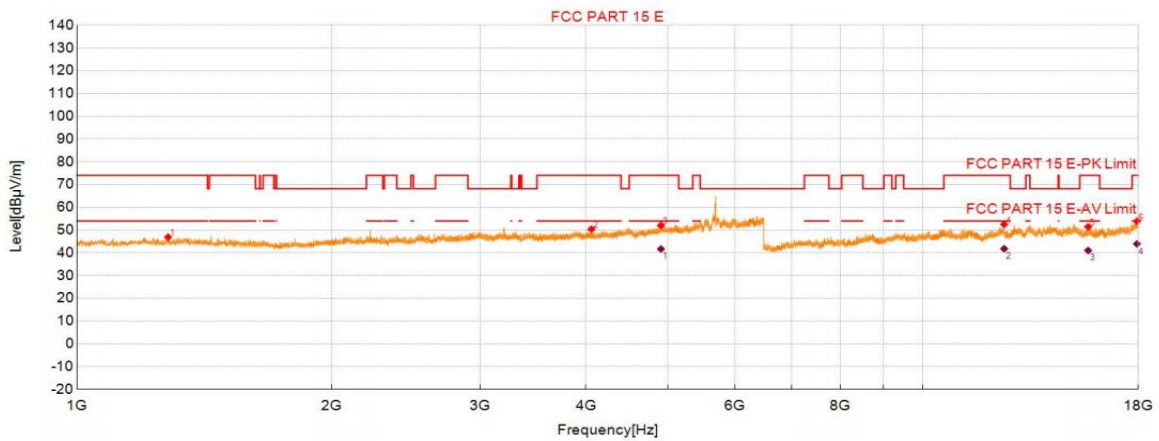
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5700	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:00:26

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1281.63	43.01	46.90	3.89	74.00	27.10	150	292	Horizontal
2	4059.41	36.12	50.41	14.29	74.00	23.59	150	31	Horizontal
3	4905.39	33.59	52.03	18.44	74.00	21.97	150	13	Horizontal
4	12489.80	43.21	52.50	9.29	74.00	21.50	150	34	Horizontal
5	15699.77	39.17	51.44	12.27	74.00	22.56	150	122	Horizontal
6	17930.99	37.01	53.88	16.87	74.00	20.12	150	122	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4905.39	23.25	18.44	41.69	54.00	12.31	150	13	Horizontal
2	12489.80	32.51	9.29	41.80	54.00	12.20	150	34	Horizontal
3	15699.77	28.77	12.27	41.04	54.00	12.96	150	122	Horizontal
4	17930.99	27.07	16.87	43.94	54.00	10.06	150	122	Horizontal

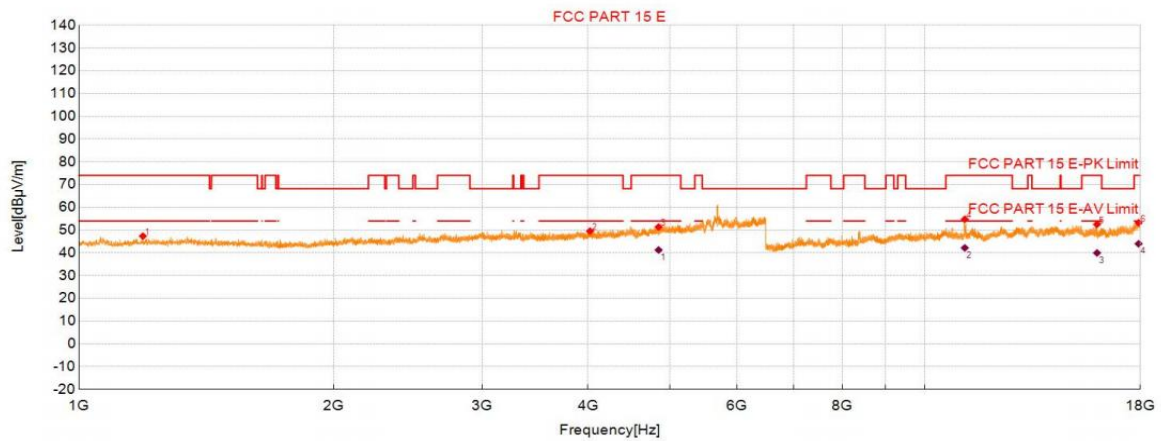
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5700	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:01:47

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1190.32	43.89	47.34	3.45	74.00	26.66	150	248	Vertical
2	4021.45	35.11	49.55	14.44	74.00	24.45	150	17	Vertical
3	4847.63	33.10	51.36	18.26	74.00	22.64	150	356	Vertical
4	11160.27	47.37	54.77	7.40	74.00	19.23	150	358	Vertical
5	15997.65	41.22	52.51	11.29	74.00	21.49	150	347	Vertical
6	17914.89	36.26	53.23	16.97	74.00	20.77	150	257	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4847.63	23.00	18.26	41.26	54.00	12.74	150	356	Vertical
2	11160.27	34.78	7.40	42.18	54.00	11.82	150	358	Vertical
3	15997.65	28.68	11.29	39.97	54.00	14.03	150	347	Vertical
4	17914.89	27.02	16.97	43.99	54.00	10.01	150	257	Vertical

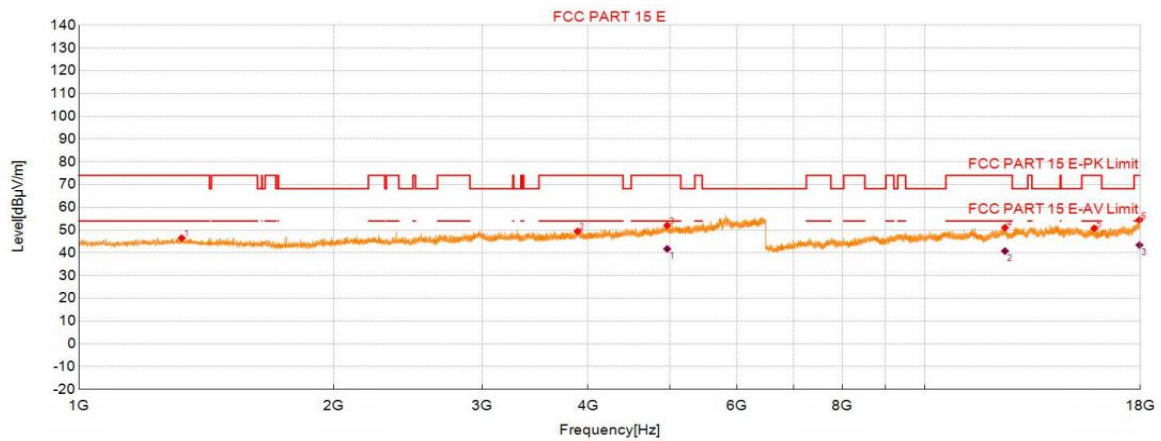
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:16:00

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1322.88	42.37	46.49	4.12	74.00	27.51	150	228	Horizontal
2	3887.24	35.71	49.46	13.75	74.00	24.54	150	256	Horizontal
3	4962.60	33.26	52.03	18.77	74.00	21.97	150	197	Horizontal
4	12450.70	42.24	51.10	8.86	74.00	22.90	150	339	Horizontal
5	15881.49	38.88	50.79	11.91	74.00	23.21	150	290	Horizontal
6	17958.60	37.76	54.45	16.69	74.00	19.55	150	216	Horizontal

2	12450.70	31.93	8.86	40.79	54.00	13.21	150	339	Horizontal
3	17958.60	26.73	16.69	43.42	54.00	10.58	150	216	Horizontal

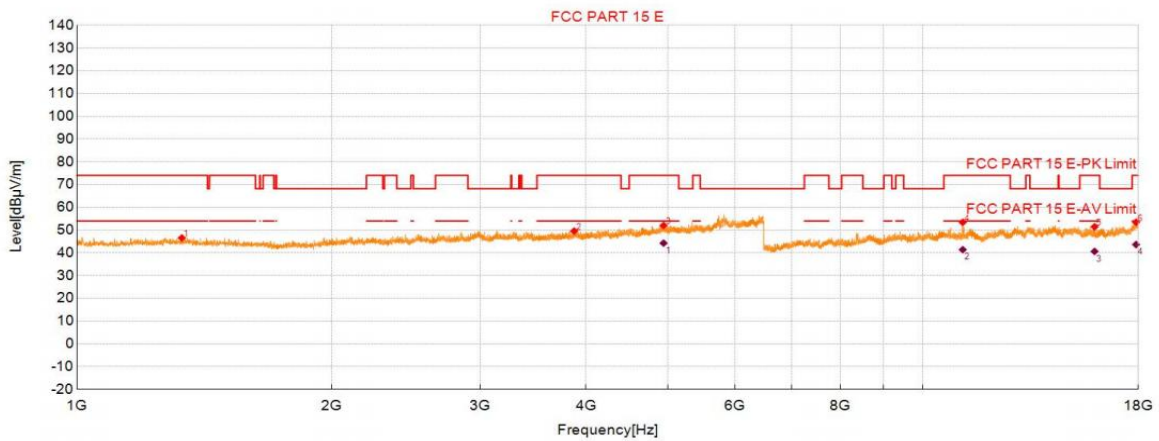
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 19:17:20

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1330.58	42.38	46.56	4.18	74.00	27.44	150	225	Vertical
2	3872.94	35.94	49.59	13.65	74.00	24.41	150	0	Vertical
3	4940.59	33.47	52.02	18.55	74.00	21.98	150	280	Vertical
4	11157.97	46.02	53.42	7.40	74.00	20.58	150	359	Vertical
5	15978.10	40.03	51.46	11.43	74.00	22.54	150	360	Vertical
6	17889.59	36.41	53.46	17.05	74.00	20.54	150	199	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4940.59	25.71	18.55	44.26	54.00	9.74	150	280	Vertical
2	11157.97	34.00	7.40	41.40	54.00	12.60	150	359	Vertical
3	15978.10	29.21	11.43	40.64	54.00	13.36	150	360	Vertical
4	17889.59	26.60	17.05	43.65	54.00	10.35	150	199	Vertical

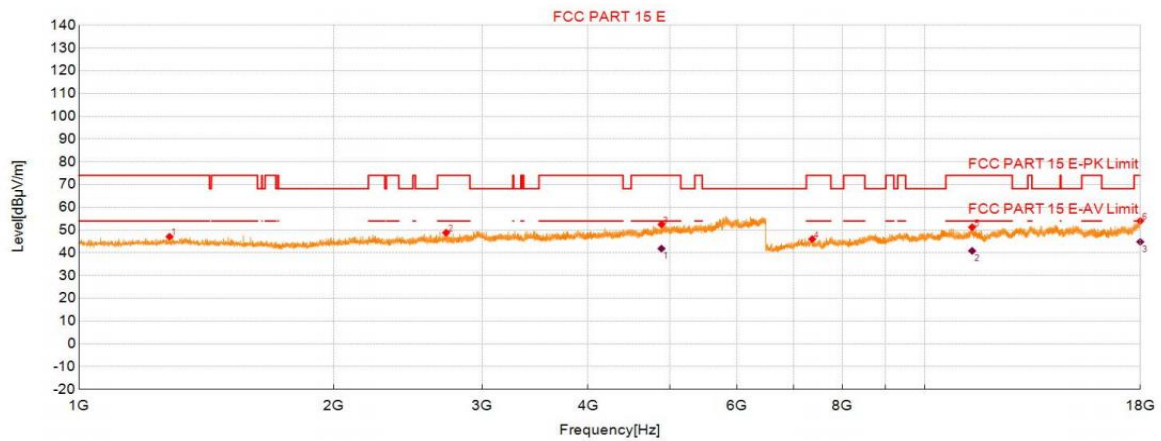
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5785	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:04:25

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1279.98	43.23	47.11	3.88	74.00	26.89	150	298	Horizontal
2	2718.37	40.12	48.87	8.75	74.00	25.13	150	159	Horizontal
3	4886.14	34.22	52.48	18.26	74.00	21.52	150	20	Horizontal
4	7366.04	45.10	46.04	0.94	74.00	27.96	150	120	Horizontal
5	11385.69	43.37	51.26	7.89	74.00	22.74	150	329	Horizontal
6	17996.55	37.60	54.05	16.45	74.00	19.95	150	207	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4886.14	23.60	18.26	41.86	54.00	12.14	150	20	Horizontal
2	11385.69	32.97	7.89	40.86	54.00	13.14	150	329	Horizontal
3	17996.55	28.39	16.45	44.84	54.00	9.16	150	207	Horizontal

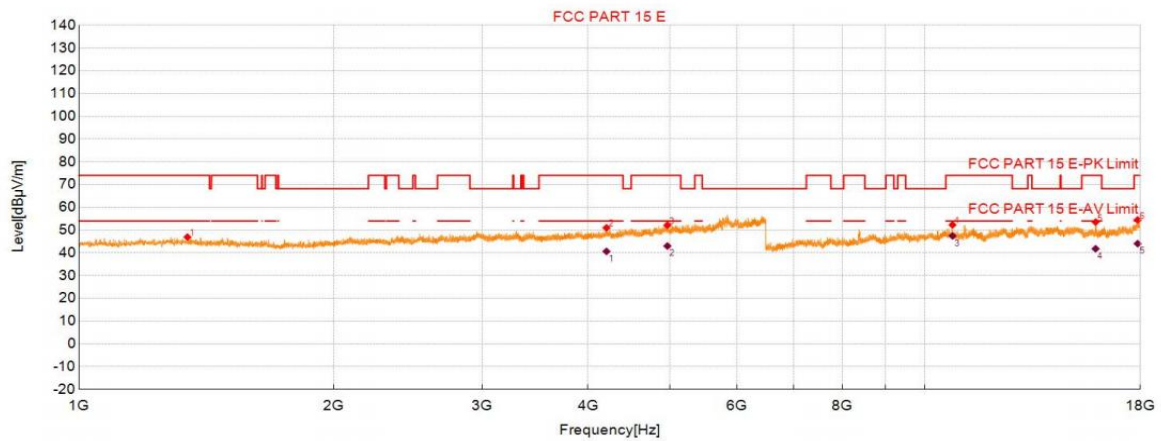
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5785	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:05:45

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1343.78	42.63	46.90	4.27	74.00	27.10	150	226	Vertical
2	4206.27	35.66	51.01	15.35	74.00	22.99	150	348	Vertical
3	4965.35	33.34	52.15	18.81	74.00	21.85	150	174	Vertical
4	10792.23	44.55	52.28	7.73	74.00	21.72	150	258	Vertical
5	15935.54	41.83	53.55	11.72	74.00	20.45	150	348	Vertical
6	17867.74	37.43	54.48	17.05	74.00	19.52	150	360	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4206.27	25.29	15.35	40.64	54.00	13.36	150	348	Vertical
2	4965.35	24.19	18.81	43.00	54.00	11.00	150	174	Vertical
3	10792.23	39.72	7.73	47.45	54.00	6.55	150	258	Vertical
4	15935.54	30.09	11.72	41.81	54.00	12.19	150	348	Vertical
5	17867.74	27.00	17.05	44.05	54.00	9.95	150	360	Vertical

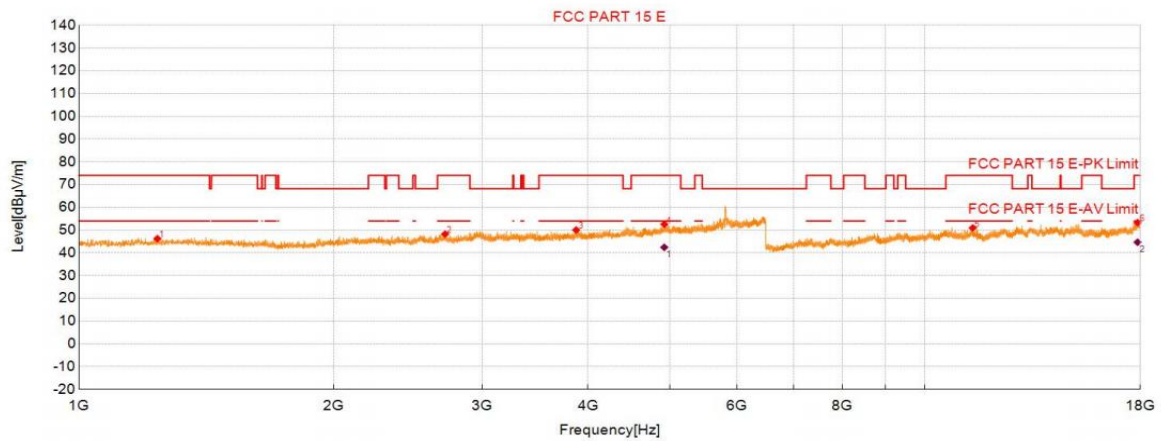
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5825	Voltage:	DC 19V
Environment:	25.3°C 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:08:38

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1238.17	42.56	46.25	3.69	74.00	27.75	150	287	Horizontal
2	2710.12	39.44	48.22	8.78	74.00	25.78	150	185	Horizontal
3	3872.39	36.40	50.04	13.64	74.00	23.96	150	129	Horizontal
4	4923.54	34.09	52.55	18.46	74.00	21.45	150	231	Horizontal
5	11404.09	43.03	50.93	7.90	74.00	23.07	150	119	Horizontal
6	17863.14	36.23	53.27	17.04	74.00	20.73	150	214	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4923.54	23.96	18.46	42.42	54.00	11.58	150	231	Horizontal
2	17863.14	27.62	17.04	44.66	54.00	9.34	150	214	Horizontal

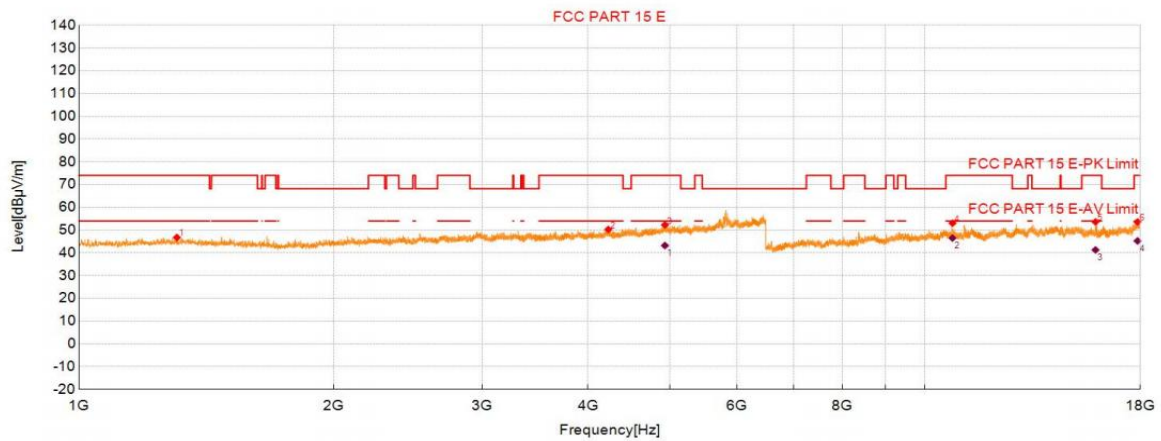
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5825	Voltage:	DC 19V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 20:09:58

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1305.83	42.76	46.76	4.00	74.00	27.24	150	106	Vertical
2	4227.17	34.82	50.29	15.47	74.00	23.71	150	321	Vertical
3	4932.34	33.74	52.25	18.51	74.00	21.75	150	221	Vertical
4	10792.23	45.30	53.03	7.73	74.00	20.97	150	215	Vertical
5	15930.94	41.88	53.64	11.76	74.00	20.36	150	348	Vertical
6	17861.99	36.54	53.59	17.05	74.00	20.41	150	148	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	4932.34	24.72	18.51	43.23	54.00	10.77	150	221	Vertical
2	10792.23	38.78	7.73	46.51	54.00	7.49	150	215	Vertical
3	15930.94	29.53	11.76	41.29	54.00	12.71	150	348	Vertical
4	17861.99	28.20	17.05	45.25	54.00	8.75	150	148	Vertical

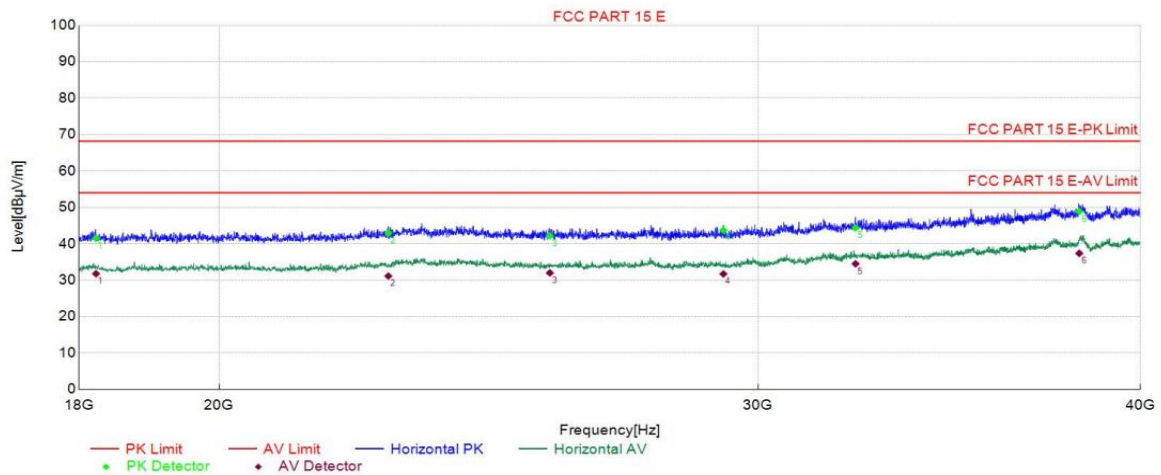
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:26:41

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18233.247	38.89	2.60	41.49	68.20	26.71	150	1	Horizontal
2	22717.744	35.45	7.55	43.00	68.20	25.20	150	314	Horizontal
3	25653.131	35.18	7.00	42.18	68.20	26.02	150	3	Horizontal
4	29231.046	35.18	8.53	43.71	68.20	24.49	150	161	Horizontal
5	32285.257	32.34	12.02	44.36	68.20	23.84	150	18	Horizontal
6	38204.441	34.13	14.71	48.84	68.20	19.36	150	26	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18233.247	29.17	2.60	31.77	54.00	22.23	150	1	Horizontal
2	22717.744	23.58	7.55	31.13	54.00	22.87	150	314	Horizontal
3	25653.131	24.99	7.00	31.99	54.00	22.01	150	3	Horizontal
4	29231.046	23.18	8.53	31.71	54.00	22.29	150	161	Horizontal
5	32285.257	22.48	12.02	34.50	54.00	19.50	150	18	Horizontal
6	38204.441	22.66	14.71	37.37	54.00	16.63	150	26	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

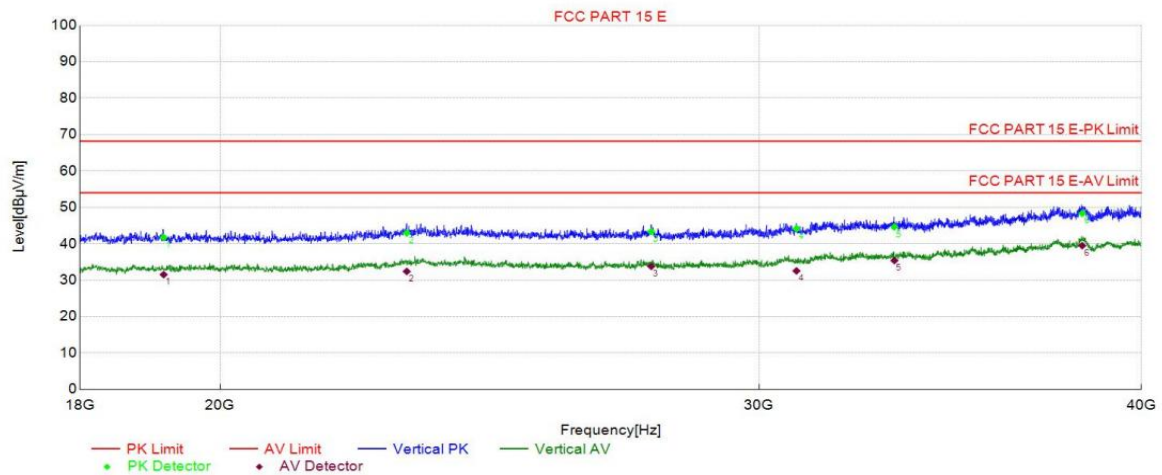
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5180	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:27:26

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19170.634	38.69	3.04	41.73	68.20	26.47	150	258	Vertical
2	23017.003	34.54	8.41	42.95	68.20	25.25	150	359	Vertical
3	27664.333	38.36	4.97	43.33	68.20	24.87	150	248	Vertical
4	30859.372	32.58	11.58	44.16	68.20	24.04	150	3	Vertical
5	33218.244	33.09	11.53	44.62	68.20	23.58	150	267	Vertical
6	38261.652	33.67	14.66	48.33	68.20	19.87	150	8	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19170.634	28.49	3.04	31.53	54.00	22.47	150	258	Vertical
2	23017.003	23.99	8.41	32.40	54.00	21.60	150	359	Vertical
3	27664.333	28.81	4.97	33.78	54.00	20.22	150	248	Vertical
4	30859.372	20.97	11.58	32.55	54.00	21.45	150	3	Vertical
5	33218.244	23.87	11.53	35.40	54.00	18.60	150	267	Vertical
6	38261.652	24.82	14.66	39.48	54.00	14.52	150	8	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

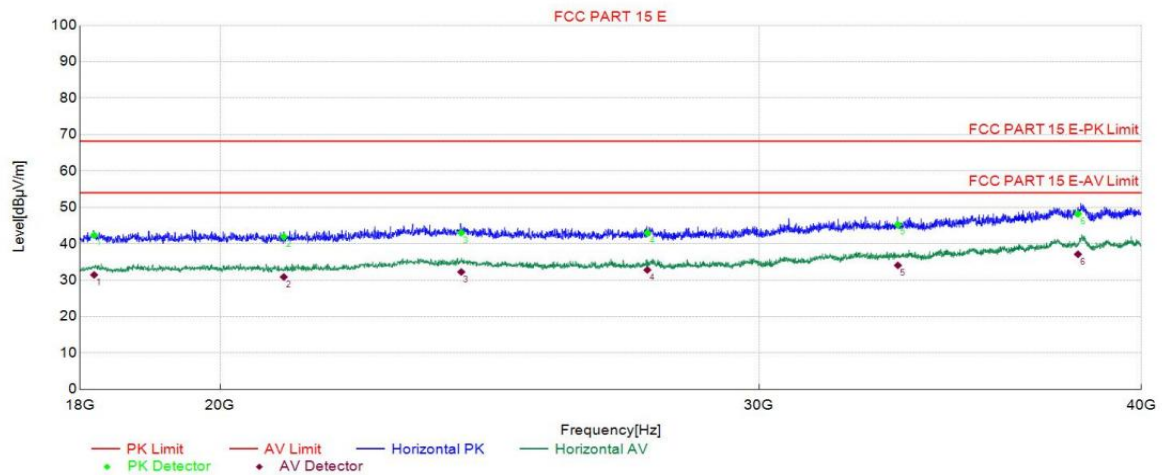
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:28:28

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18193.639	39.75	2.59	42.34	68.20	25.86	150	6	Horizontal
2	20983.797	38.27	3.70	41.97	68.20	26.23	150	287	Horizontal
3	23980.796	33.83	9.16	42.99	68.20	25.21	150	358	Horizontal
4	27585.117	38.07	4.90	42.97	68.20	25.23	150	248	Horizontal
5	33306.261	33.71	11.53	45.24	68.20	22.96	150	1	Horizontal
6	38138.428	33.42	14.77	48.19	68.20	20.01	150	277	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18193.639	28.86	2.59	31.45	54.00	22.55	150	6	Horizontal
2	20983.797	27.17	3.70	30.87	54.00	23.13	150	287	Horizontal
3	23980.796	23.09	9.16	32.25	54.00	21.75	150	358	Horizontal
4	27585.117	27.90	4.90	32.80	54.00	21.20	150	248	Horizontal
5	33306.261	22.53	11.53	34.06	54.00	19.94	150	1	Horizontal
6	38138.428	22.35	14.77	37.12	54.00	16.88	150	277	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

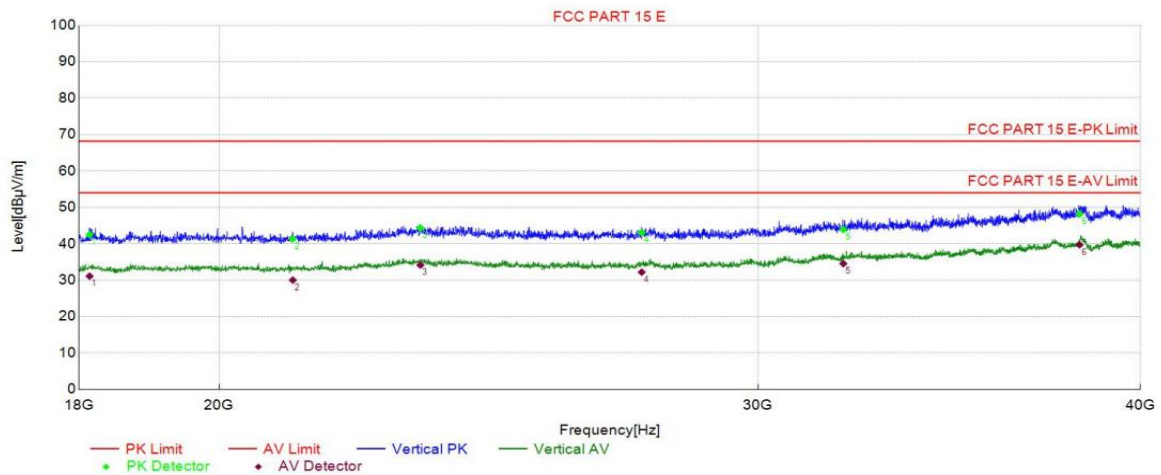
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5320	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:29:13

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18145.229	39.95	2.56	42.51	68.20	25.69	150	56	Vertical
2	21142.228	37.42	3.95	41.37	68.20	26.83	150	170	Vertical
3	23272.254	35.68	8.61	44.29	68.20	23.91	150	353	Vertical
4	27488.298	38.24	4.80	43.04	68.20	25.16	150	36	Vertical
5	31990.398	31.73	12.20	43.93	68.20	24.27	150	315	Vertical
6	38213.243	33.47	14.70	48.17	68.20	20.03	150	286	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18145.229	28.54	2.56	31.10	54.00	22.90	150	56	Vertical
2	21142.228	26.07	3.95	30.02	54.00	23.98	150	170	Vertical
3	23272.254	25.51	8.61	34.12	54.00	19.88	150	353	Vertical
4	27488.298	27.39	4.80	32.19	54.00	21.81	150	36	Vertical
5	31990.398	22.34	12.20	34.54	54.00	19.46	150	315	Vertical
6	38213.243	25.02	14.70	39.72	54.00	14.28	150	286	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

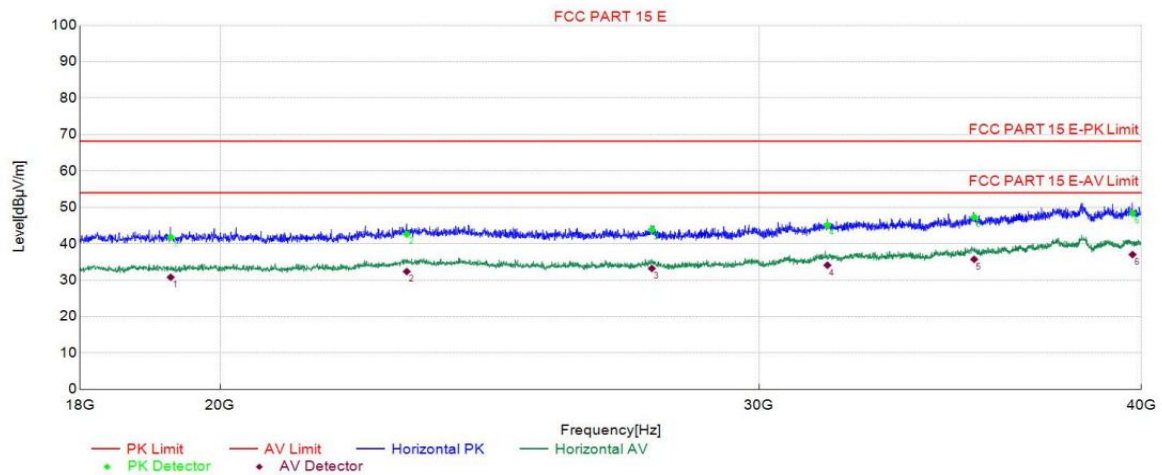
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:30:13

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19271.854	38.7	3.09	41.79	68.20	26.41	150	1	Horizontal
2	23017.003	34.22	8.41	42.63	68.20	25.57	150	4	Horizontal
3	27677.536	38.9	4.98	43.88	68.20	24.32	150	248	Horizontal
4	31585.517	33.02	12.05	45.07	68.20	23.13	150	12	Horizontal
5	35273.455	33.62	13.68	47.30	68.20	20.90	150	0	Horizontal
6	39735.947	34.41	13.96	48.37	68.20	19.83	150	287	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19271.854	27.71	3.09	30.80	54.00	23.20	150	1	Horizontal
2	23017.003	23.95	8.41	32.36	54.00	21.64	150	4	Horizontal
3	27677.536	28.24	4.98	33.22	54.00	20.78	150	248	Horizontal
4	31585.517	22.06	12.05	34.11	54.00	19.89	150	12	Horizontal
5	35273.455	22.04	13.68	35.72	54.00	18.28	150	0	Horizontal
6	39735.947	23.07	13.96	37.03	54.00	16.97	150	287	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

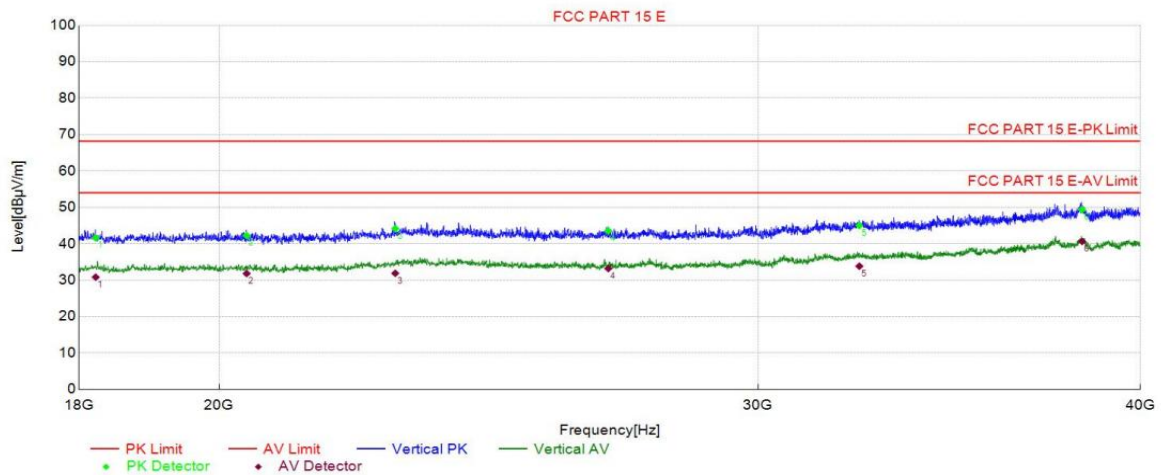
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5500	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:30:58

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18228.846	39.03	2.60	41.63	68.20	26.57	150	16	Vertical
2	20420.484	38.67	3.57	42.24	68.20	25.96	150	217	Vertical
3	22836.567	36.24	7.91	44.15	68.20	24.05	150	150	Vertical
4	26806.161	38.79	4.75	43.54	68.20	24.66	150	2	Vertical
5	32377.676	33.03	11.96	44.99	68.20	23.21	150	323	Vertical
6	38288.058	34.74	14.63	49.37	68.20	18.83	150	188	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18228.846	28.22	2.60	30.82	54.00	23.18	150	16	Vertical
2	20420.484	28.25	3.57	31.82	54.00	22.18	150	217	Vertical
3	22836.567	23.97	7.91	31.88	54.00	22.12	150	150	Vertical
4	26806.161	28.45	4.75	33.20	54.00	20.80	150	2	Vertical
5	32377.676	21.88	11.96	33.84	54.00	20.16	150	323	Vertical
6	38288.058	26.00	14.63	40.63	54.00	13.37	150	188	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

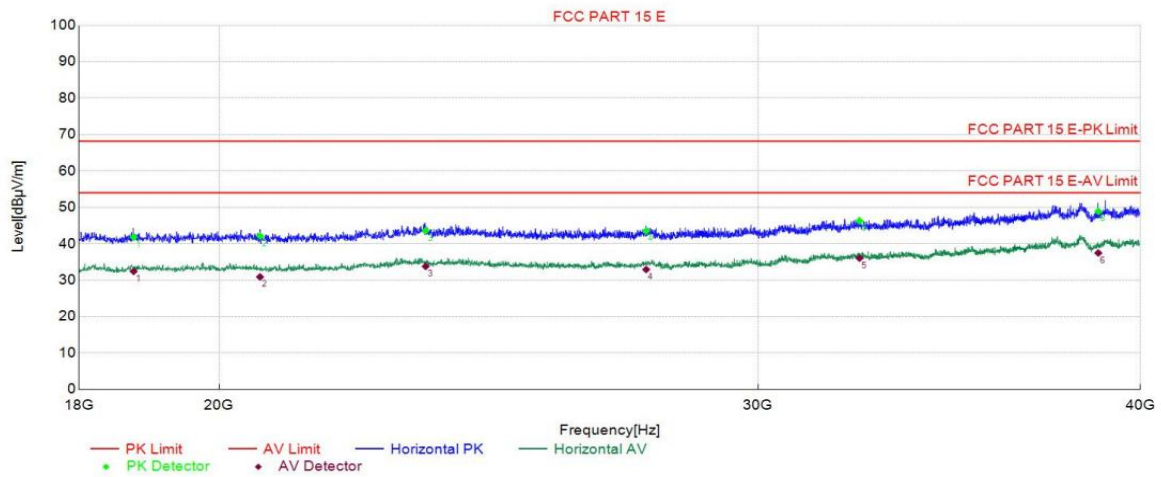
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:31:54

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18756.951	38.95	2.84	41.79	68.20	26.41	150	64	Horizontal
2	20627.325	38.49	3.62	42.11	68.20	26.09	150	83	Horizontal
3	23364.673	34.91	8.68	43.59	68.20	24.61	150	343	Horizontal
4	27580.716	38.61	4.90	43.51	68.20	24.69	150	55	Horizontal
5	32382.076	34.32	11.96	46.28	68.20	21.92	150	198	Horizontal
6	38754.551	34.69	14.21	48.90	68.20	19.30	150	83	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18756.951	29.57	2.84	32.41	54.00	21.59	150	64	Horizontal
2	20627.325	27.27	3.62	30.89	54.00	23.11	150	83	Horizontal
3	23364.673	25.10	8.68	33.78	54.00	20.22	150	343	Horizontal
4	27580.716	28.02	4.90	32.92	54.00	21.08	150	55	Horizontal
5	32382.076	24.09	11.96	36.05	54.00	17.95	150	198	Horizontal
6	38754.551	23.25	14.21	37.46	54.00	16.54	150	83	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

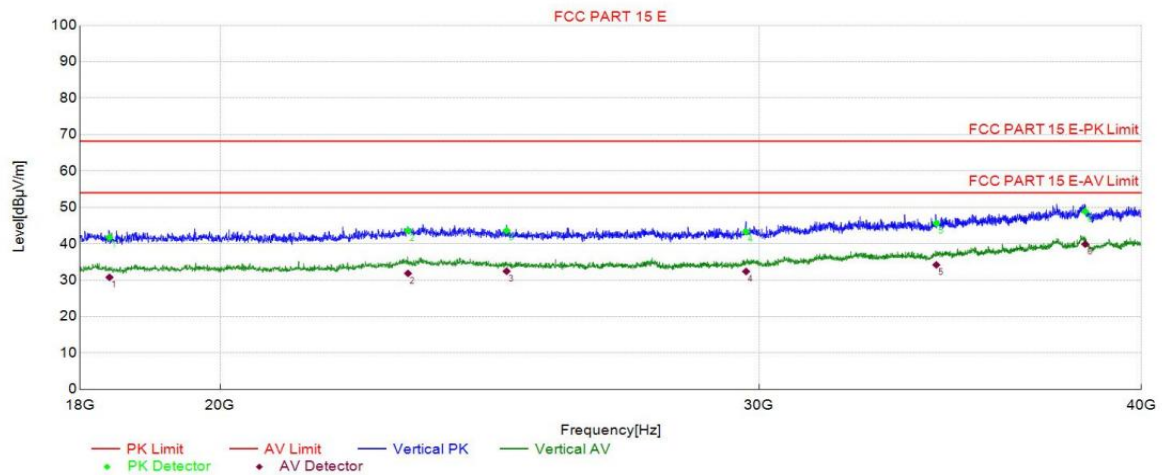
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:			
Model:	UC500	SN:	
Mode:	11A_6Mbps_5745	Voltage:	DC 19V
Environment:	25.1℃ / 49%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-08-31 21:32:39

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading (dBμV)	Factor (dB/m)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18404.881	39.07	2.68	41.75	68.20	26.45	150	101	Vertical
2	23039.008	35.18	8.43	43.61	68.20	24.59	150	305	Vertical
3	24812.563	35.26	8.37	43.63	68.20	24.57	150	110	Vertical
4	29710.742	33.73	9.55	43.28	68.20	24.92	150	188	Vertical
5	34283.257	33.59	12.05	45.64	68.20	22.56	150	24	Vertical
6	38345.269	34.29	14.59	48.88	68.20	19.32	150	360	Vertical

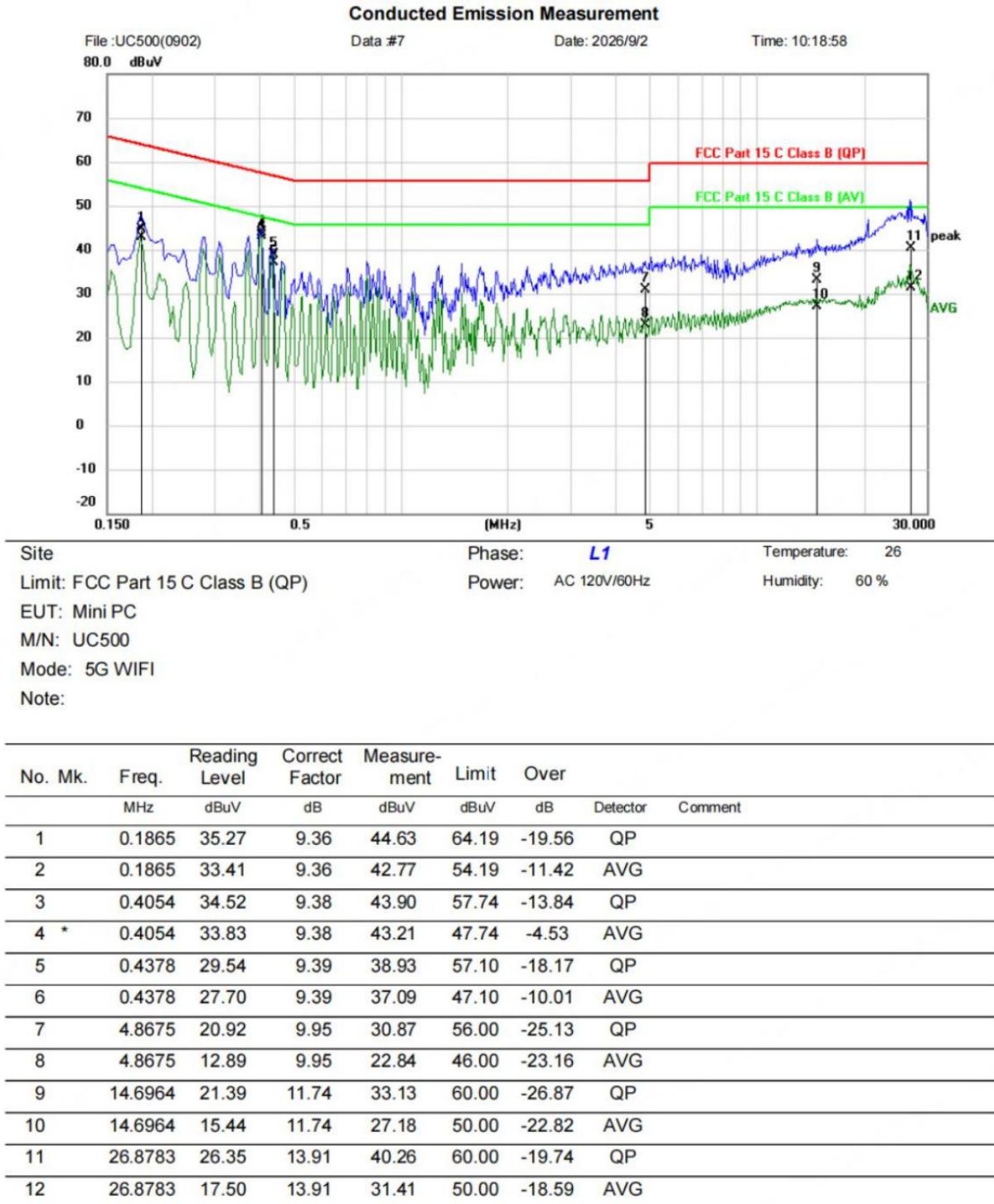
AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBμV)	Factor (dB/m)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18404.881	28.10	2.68	30.78	54.00	23.22	150	101	Vertical
2	23039.008	23.43	8.43	31.86	54.00	22.14	150	305	Vertical
3	24812.563	24.08	8.37	32.45	54.00	21.55	150	110	Vertical
4	29710.742	22.84	9.55	32.39	54.00	21.61	150	188	Vertical
5	34283.257	22.15	12.05	34.20	54.00	19.80	150	24	Vertical
6	38345.269	25.29	14.59	39.88	54.00	14.12	150	360	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

APPENDIX C – AC Power Line Conducted Emission Test Data



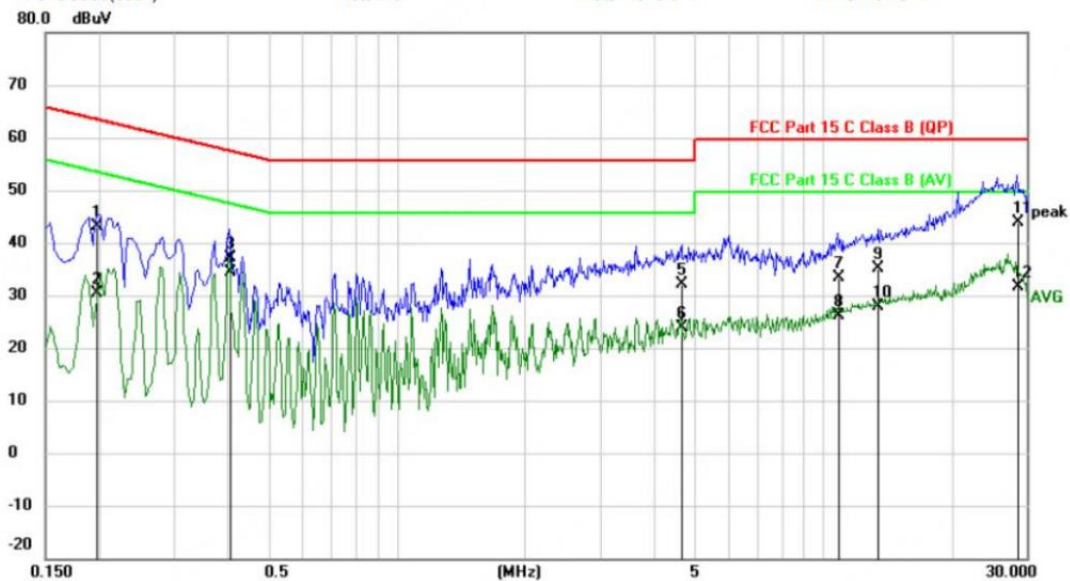
Conducted Emission Measurement

File : UC500(0902)

Data #8

Date: 2026/9/2

Time: 10:28:21



Site

Phase: **N**

Temperature: 26

Limit: FCC Part 15 C Class B (QP)

Power: AC 120V/60Hz

Humidity: 60 %

EUT: Mini PC

M/N: UC500

Mode: 5G WIFI

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1971	33.83	9.36	43.19	63.73	-20.54	QP	
2		0.1971	21.05	9.36	30.41	53.73	-23.32	AVG	
3		0.4077	27.70	9.38	37.08	57.70	-20.62	QP	
4	*	0.4077	24.89	9.38	34.27	47.70	-13.43	AVG	
5		4.6296	22.29	9.92	32.21	56.00	-23.79	QP	
6		4.6296	14.03	9.92	23.95	46.00	-22.05	AVG	
7		10.8035	22.47	10.97	33.44	60.00	-26.56	QP	
8		10.8035	15.20	10.97	26.17	50.00	-23.83	AVG	
9		13.3539	23.68	11.47	35.15	60.00	-24.85	QP	
10		13.3539	16.33	11.47	27.80	50.00	-22.20	AVG	
11		28.5951	29.63	14.20	43.83	60.00	-16.17	QP	
12		28.5951	17.35	14.20	31.55	50.00	-18.45	AVG	

END OF REPORT