

10. Frequency Stability Measurement

10.1. 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.

10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

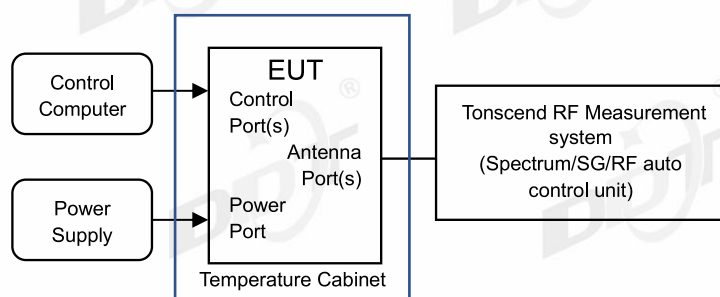
10.3. Test procedures

(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.

10.4. Test setup



10.5. Test result

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	20.6-23.2℃, 53.6-55.2%RH	Test Date:	2023.12.04-2024.02.29
Test Power Supply:	DC 12V from adapter	Sample Number:	S23111603-02

Voltage								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	20000.00	3.861004	20	PASS
	Ant2	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5200	NV	NT	20000.00	3.846154	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5200	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.816794	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	20000.00	3.816794	20	PASS
	Ant1	5260	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.802281	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5260	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.802281	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5280	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5280	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5320	NV	NT	20000.00	3.759398	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5320	NV	NT	20000.00	3.759398	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5500	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5500	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5580	NV	NT	0.00	0.000000	20	PASS

11N40MIMO			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	20000.00	3.584229	20	PASS	
	Ant2	5580	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
				HV	NT	0.00	0.000000	20	PASS
				NV	NT	20000.00	3.508772	20	PASS
	Ant1	5700	LV	NT	20000.00	3.508772	20	PASS	
			HV	NT	20000.00	3.508772	20	PASS	
	Ant2	5700	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant1	5720	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant2	5720	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	20000.00	3.496503	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant1	5745	NV	NT	20000.00	3.481288	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	20000.00	3.481288	20	PASS	
	Ant2	5745	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant1	5785	NV	NT	20000.00	3.457217	20	PASS	
			LV	NT	-20000.00	-3.457217	20	PASS	
			HV	NT	20000.00	3.457217	20	PASS	
	Ant2	5785	NV	NT	20000.00	3.457217	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant1	5825	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	20000.00	3.433476	20	PASS	
			HV	NT	20000.00	3.433476	20	PASS	
	Ant2	5825	NV	NT	20000.00	3.433476	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	20000.00	3.433476	20	PASS	
	Ant1	5190	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	0.00	0.000000	20	PASS	
	Ant2	5190	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
HV			NT	0.00	0.000000	20	PASS		
Ant1	5230	NV	NT	0.00	0.000000	20	PASS		
		LV	NT	40000.00	7.648184	20	PASS		
		HV	NT	0.00	0.000000	20	PASS		
Ant2	5230	NV	NT	0.00	0.000000	20	PASS		
		LV	NT	0.00	0.000000	20	PASS		
		HV	NT	0.00	0.000000	20	PASS		
Ant1	5270	NV	NT	0.00	0.000000	20	PASS		
		LV	NT	0.00	0.000000	20	PASS		
		HV	NT	0.00	0.000000	20	PASS		
Ant2	5270	NV	NT	0.00	0.000000	20	PASS		
		LV	NT	0.00	0.000000	20	PASS		

			HV	NT	0.00	0.000000	20	PASS
	Ant1	5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	40000.00	7.532957	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5510	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5510	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.259528	20	PASS
	Ant1	5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.207207	20	PASS
	Ant1	5670	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5670	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5710	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5710	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5795	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5795	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC80 MIMO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5290	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

11AX160 MIMO	Ant2	5290	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5530	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5530	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5610	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5610	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5690	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5690	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5775	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5775	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	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
Ant2		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
Ant1		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
Ant2		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

Note: For each nominal bandwidth (20MHz, 40MHz, 80MHz,160MHz), only recorded the worst case in this report.

Temperature								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	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
	Ant2	5180	NV	0	20000.00	3.861004	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	20000.00	3.861004	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.861004	20	PASS
	Ant1	5200	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	20000.00	3.846154	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5200	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	20000.00	3.846154	20	PASS
	Ant1	5240	NV	0	20000.00	3.816794	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5240	NV	0	20000.00	3.816794	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
	Ant1	5260	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	
Ant2	5260	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	20000.00	3.802281	20	PASS	
		NV	40	20000.00	3.802281	20	PASS	
Ant1	5280	NV	0	20000.00	3.787879	20	PASS	
		NV	10	0.00	0.000000	20	PASS	
		NV	20	20000.00	3.787879	20	PASS	
		NV	30	0.00	0.000000	20	PASS	
		NV	40	0.00	0.000000	20	PASS	

Ant2	5280	NV	0	20000.00	3.787879	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
Ant1	5320	NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	20000.00	3.759398	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	20000.00	3.759398	20	PASS
Ant2	5320	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
Ant1	5500	NV	0	0.00	0.000000	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	20000.00	3.636364	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	20000.00	3.636364	20	PASS
Ant2	5500	NV	0	0.00	0.000000	20	PASS
		NV	10	20000.00	3.636364	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	-20000.00	-3.636364	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant1	5580	NV	0	0.00	0.000000	20	PASS
		NV	10	20000.00	3.584229	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	20000.00	3.584229	20	PASS
Ant2	5580	NV	0	0.00	0.000000	20	PASS
		NV	10	20000.00	3.584229	20	PASS
		NV	20	20000.00	3.584229	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant1	5700	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
Ant2	5700	NV	0	20000.00	3.508772	20	PASS
		NV	10	20000.00	3.508772	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
Ant1	5720	NV	0	0.00	0.000000	20	PASS
		NV	10	20000.00	3.496503	20	PASS

			NV	20	20000.00	3.496503	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	20000.00	3.496503	20	PASS
	Ant2	5720	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	20000.00	3.496503	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.481288	20	PASS
			NV	20	0.00	0.000000	20	PASS
	Ant1	5745	NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant2	5745	NV	10	20000.00	3.481288	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.481288	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant1	5785	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	0	0.00	0.000000	20	PASS
	Ant2	5785	NV	0	20000.00	3.457217	20	PASS
			NV	10	20000.00	3.457217	20	PASS
			NV	20	20000.00	3.457217	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant1	5825	NV	0	20000.00	3.433476	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	20000.00	3.433476	20	PASS	
Ant2	5825	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	20000.00	3.433476	20	PASS	
11N40MIMO	Ant1	5190	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
	Ant2	5190	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	40	40000.00	7.707129	20	PASS
Ant1	5230	NV	0	40000.00	7.648184	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	40000.00	7.648184	20	PASS
Ant2	5230	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
Ant1	5270	NV	0	40000.00	7.590133	20	PASS
		NV	10	40000.00	7.590133	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	80000.00	15.180266	20	PASS
Ant2	5270	NV	0	0.00	0.000000	20	PASS
		NV	10	-40000.00	-7.590133	20	PASS
		NV	20	-40000.00	-7.590133	20	PASS
		NV	30	0.00	0.000000	20	PASS
		NV	40	0.00	0.000000	20	PASS
Ant1	5310	NV	0	40000.00	7.532957	20	PASS
		NV	10	0.00	0.000000	20	PASS
		NV	20	0.00	0.000000	20	PASS
		NV	30	40000.00	7.532957	20	PASS
		NV	40	40000.00	7.532957	20	PASS
Ant2	5310	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	-40000.00	-7.532957	20	PASS
Ant1	5510	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	-40000.00	-7.259528	20	PASS
Ant2	5510	NV	0	40000.00	7.259528	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	40000.00	7.259528	20	PASS
Ant1	5550	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
Ant2	5550	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	
	Ant1	5670	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	0	0.00	0.000000	20	PASS
				NV	10	0.00	0.000000	20	PASS
				NV	20	0.00	0.000000	20	PASS
	Ant2	5670	NV	30	0.00	0.000000	20	PASS	
			NV	40	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	0	0.00	0.000000	20	PASS
Ant1	5710	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	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	
Ant2	5710	NV	40	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	0	0.00	0.000000	20	PASS	
			NV	10	0.00	0.000000	20	PASS	
Ant1	5755	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	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	
Ant2	5755	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	0	0.00	0.000000	20	PASS	
			NV	10	0.00	0.000000	20	PASS	
			NV	20	0.00	0.000000	20	PASS	
Ant1	5795	NV	30	0.00	0.000000	20	PASS		
		NV	40	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	0	0.00	0.000000	20	PASS	
Ant2	5795	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	40000.00	6.902502	20	PASS		
11AC80 MIMO	Ant1	5210	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
Ant2	5210	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	40	0.00	0.000000	20	PASS
Ant1	5290	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
Ant2	5290	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
Ant1	5530	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
Ant2	5530	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
Ant1	5610	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
Ant2	5610	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
Ant1	5690	NV	0	80000.00	14.059754	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
Ant2	5690	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

	Ant1	5775	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
	Ant2	5775	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
11AX160 MIMO	Ant1	5250	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
	Ant2	5250	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
	Ant1	5570	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
	Ant2	5570	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

Note: For each nominal bandwidth (20MHz, 40MHz, 80MHz,160MHz), only recorded the worst case in this report.

11. Antenna Requirements

11.1. Limit

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

11.2. Result

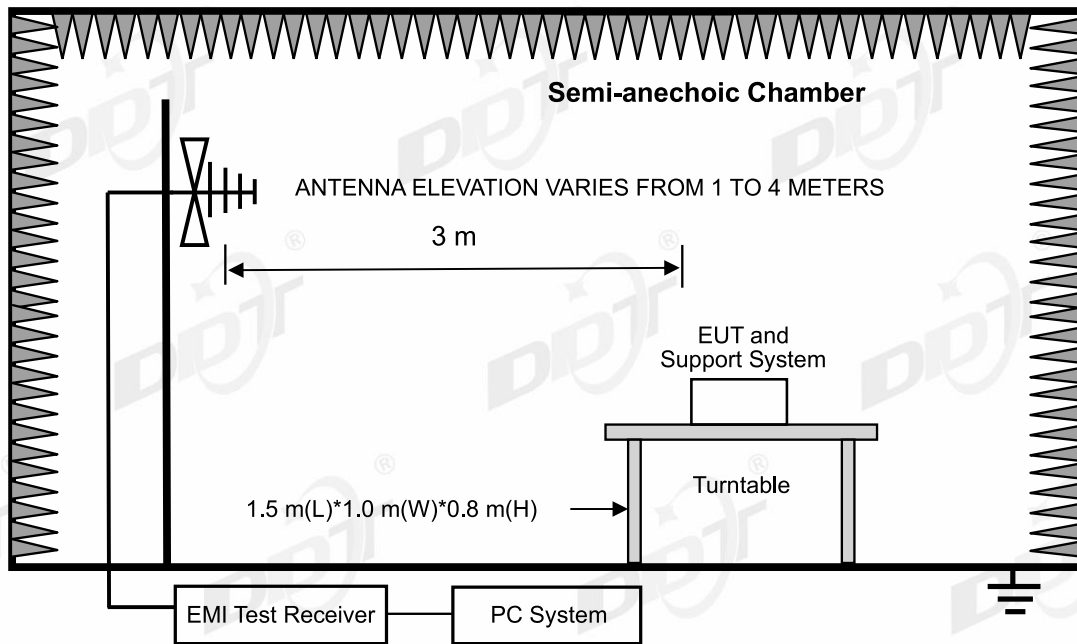
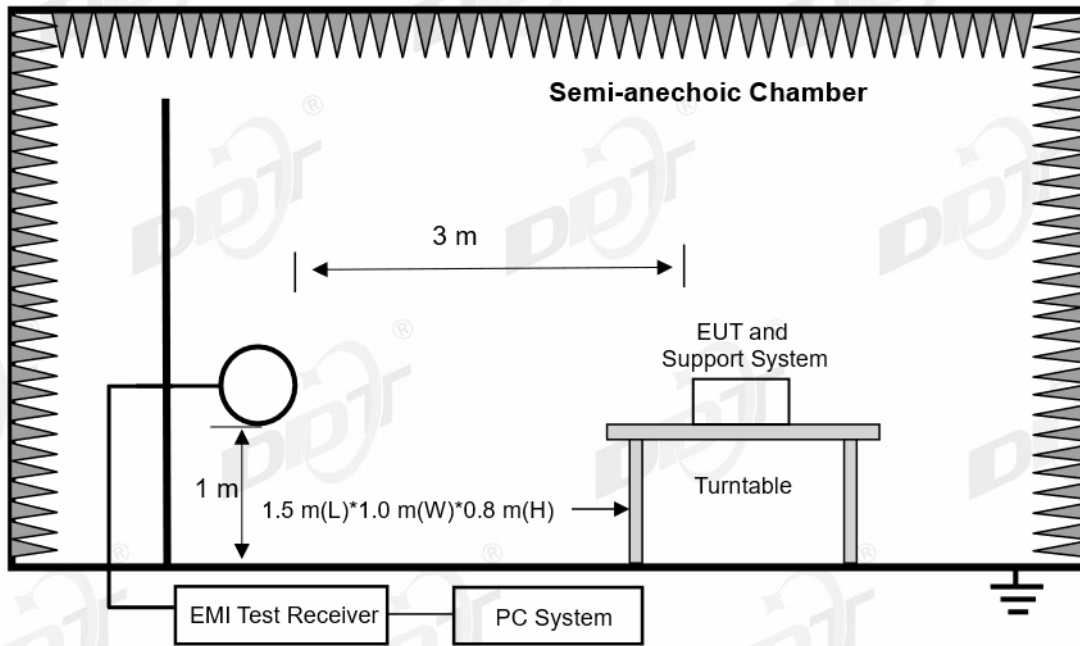
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

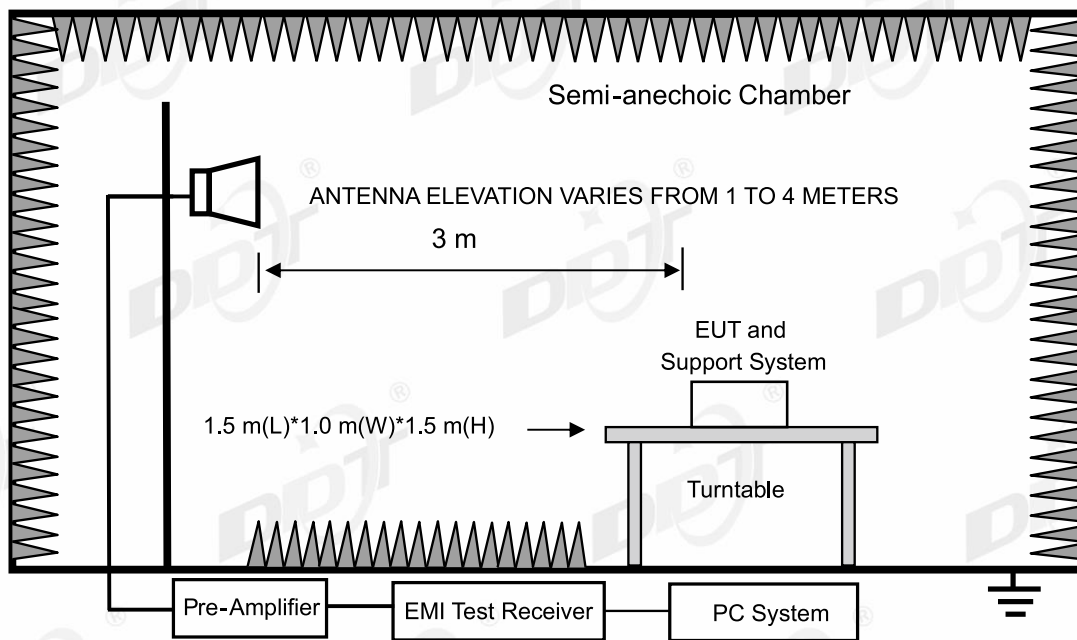
12. Radiated Emission

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2024/04/20	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2024/04/25	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2024/04/22	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14	1 Year
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14	1 Year
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	NA
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2024/04/20	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2024/04/26	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	NA
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2024/04/22	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2024/04/22	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2024/04/22	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2024/04/20	1 Year

12.2. Block diagram of test setup





12.3. Limits

(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	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		mV/m	dB(mV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
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	74.0 dB(mV)/m (Peak) 54.0 dB(mV)/m (Average)	

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 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

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

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description
Laptop	Lenovo	00425-00000-00002-AA135	NA

12.5. Test procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

- (b) Change work frequency or channel of device if practicable.

- (c) Change modulation type of device if practicable.

- (d) Change power supply range from 85% to 115% of the rated supply voltage

- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

12.6. Test result

PASS. (See below detailed test result)

Note 1: All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note 2: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

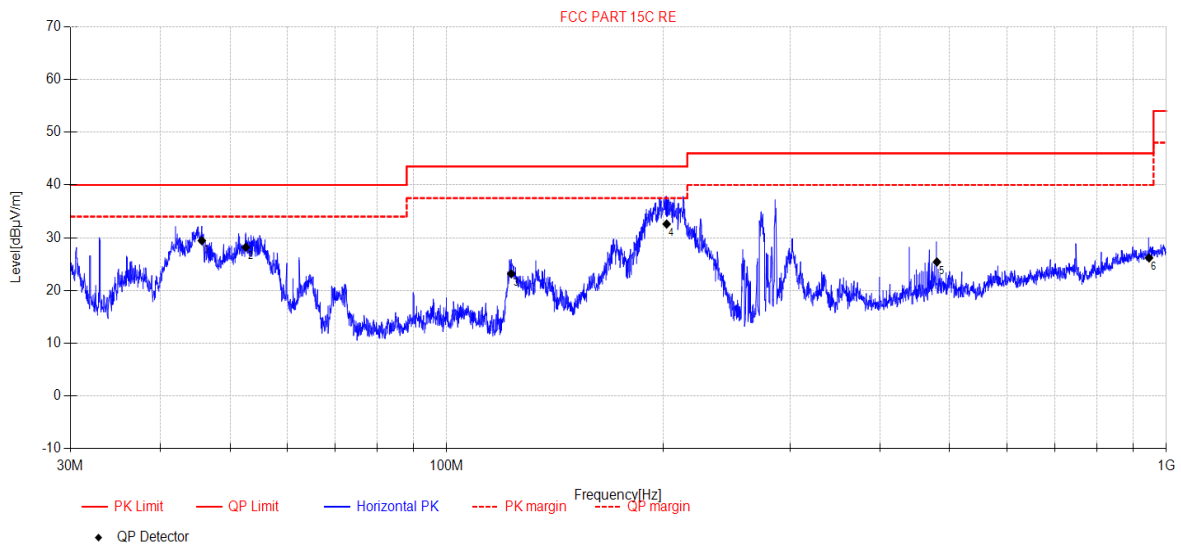
Note 3: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in of 802.11ax MIMO mode, only recorded the worst case in this report.

Note 4: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit. And the worst case 802.11a mode was reported.

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-02 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 5GWIFI TX **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC BELOW 1G\20231202-002215_H
Memo: Sample Number:S23111603-02 Power Setting:NA



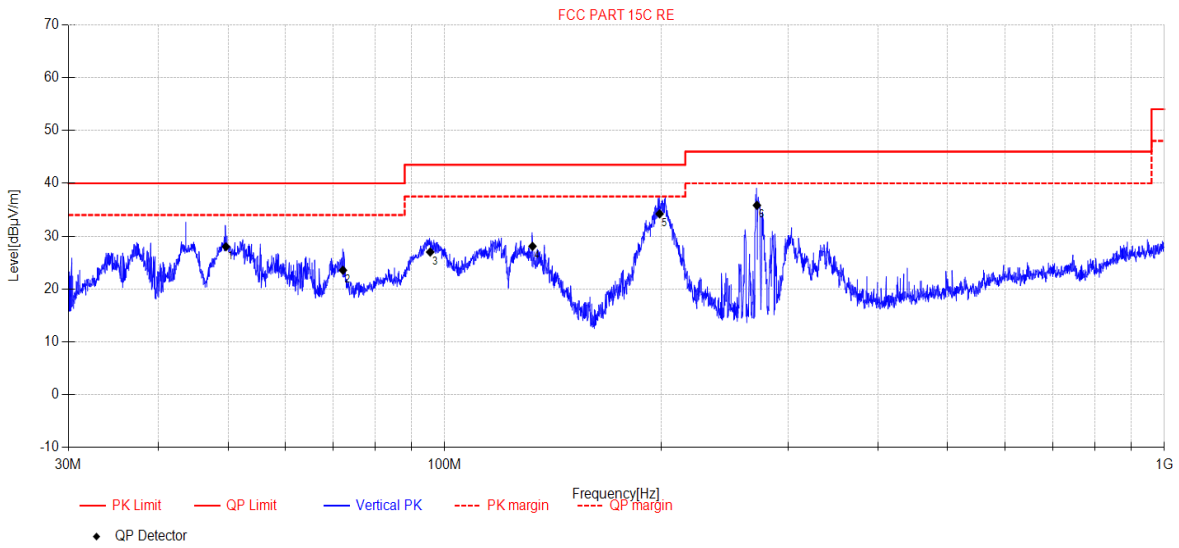
Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	45.69	42.95	12.58	4.67	-30.76	29.44	40.00	10.56	QP	Horizontal
2	52.61	40.82	13.32	4.74	-30.68	28.20	40.00	11.80	QP	Horizontal
3	122.97	39.51	9.30	5.18	-30.83	23.16	43.50	20.34	QP	Horizontal
4	202.17	46.73	10.71	5.74	-30.59	32.59	43.50	10.91	QP	Horizontal
5	479.92	31.96	16.50	6.88	-29.94	25.40	46.00	20.60	QP	Horizontal
6	946.11	24.48	21.77	8.50	-28.58	26.17	46.00	19.83	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-02 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 5GWIFI TX **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC BELOW 1G\20231202-002257_V
Memo: Sample Number:S23111603-02 Power Setting:NA



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	49.67	41.07	12.90	4.73	-30.70	28.00	40.00	12.00	QP	Vertical
2	72.22	39.79	9.51	4.80	-30.55	23.55	40.00	16.45	QP	Vertical
3	95.47	42.15	10.64	5.01	-30.81	26.99	43.50	16.51	QP	Vertical
4	132.46	45	8.65	5.23	-30.80	28.08	43.50	15.42	QP	Vertical
5	198.93	48.79	10.31	5.72	-30.60	34.22	43.50	9.28	QP	Vertical
6	271.59	47.69	12.50	6.03	-30.39	35.83	46.00	10.17	QP	Vertical

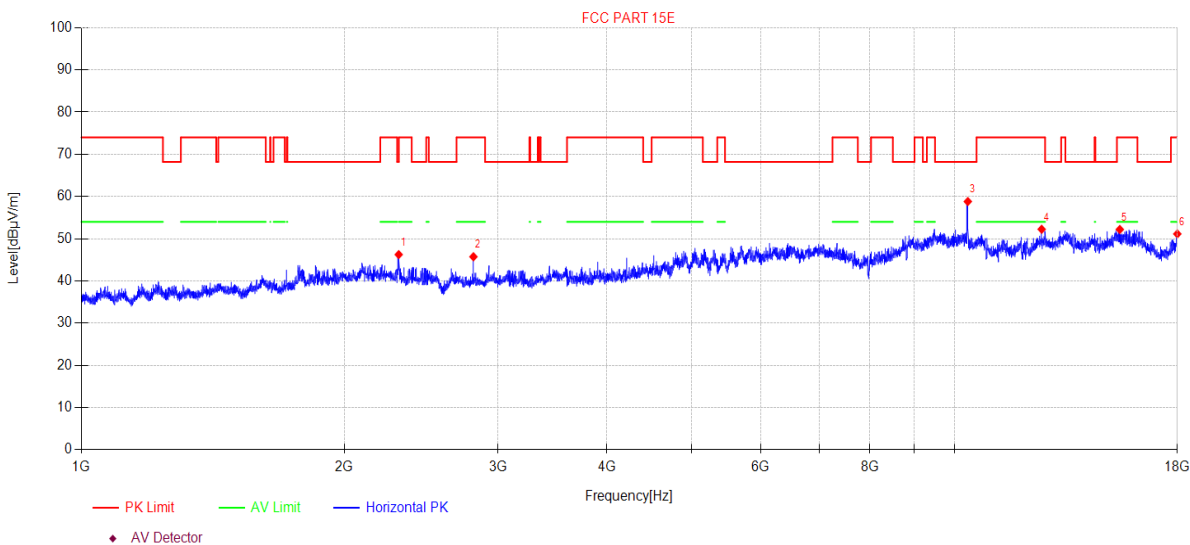
Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\5
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2309.35	51.31	26.86	5.96	-37.89	46.24	68.20	21.96	PK	Horizontal
2	2812.49	52.02	27.50	5.52	-39.31	45.73	74.00	28.27	PK	Horizontal
3	10358.30	49.30	38.90	9.46	-38.85	58.81	68.20	9.39	PK	Horizontal
4	12585.93	42.27	39.40	10.36	-39.79	52.24	74.00	21.76	PK	Horizontal
5	15465.97	38.98	38.87	13.38	-39.04	52.19	74.00	21.81	PK	Horizontal
6	18000.00	38.29	42.40	12.85	-42.40	51.14	74.00	22.86	PK	Horizontal

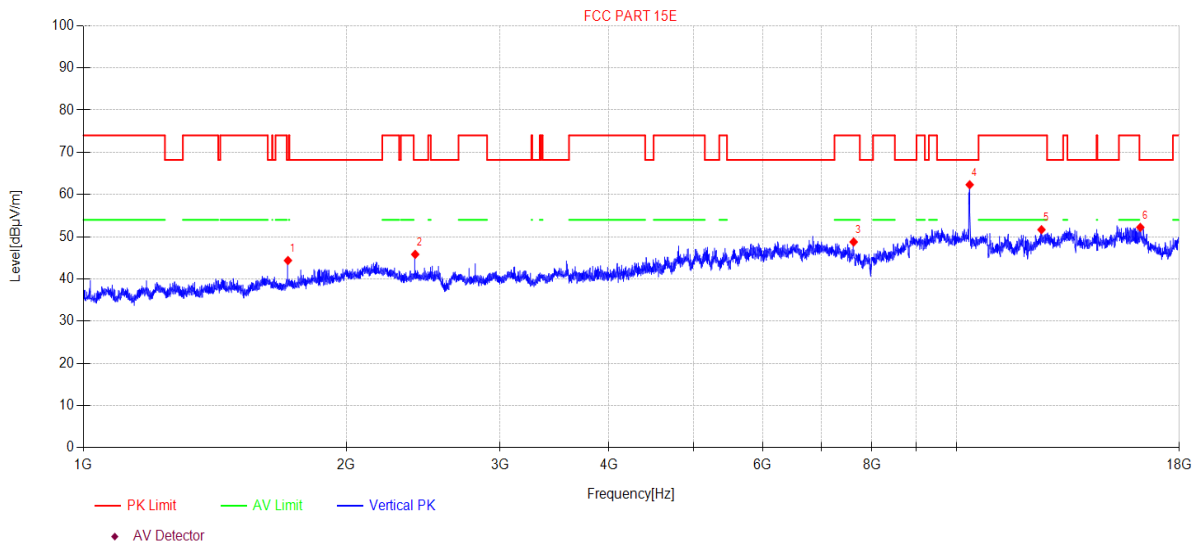
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\6
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1715.28	50.80	25.24	5.29	-36.97	44.36	68.20	23.84	PK	Vertical
2	2399.16	50.78	27.30	5.88	-38.14	45.82	68.20	22.38	PK	Vertical
3	7625.05	45.61	36.55	8.86	-42.26	48.76	74.00	25.24	PK	Vertical
4	10355.30	52.81	38.90	9.46	-38.85	62.32	68.20	5.88	PK	Vertical
5	12513.39	41.68	39.40	10.35	-39.76	51.67	74.00	22.33	PK	Vertical
6	16240.12	38.91	37.80	15.06	-39.55	52.22	68.20	15.98	PK	Vertical

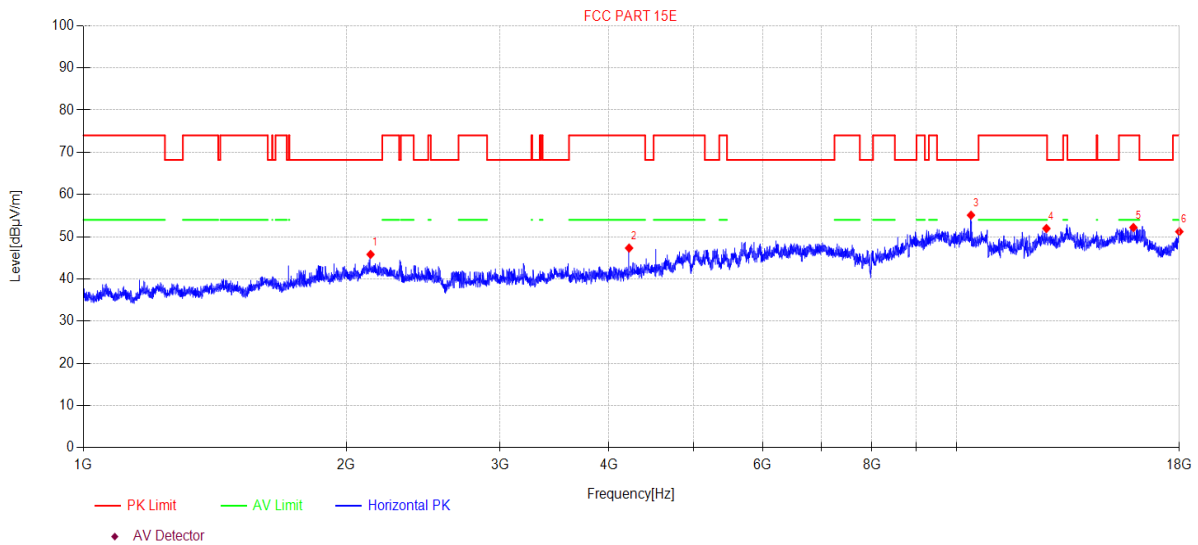
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5200MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\7
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2132.92	49.59	27.50	6.11	-37.39	45.81	68.20	22.39	PK	Horizontal
2	4217.58	49.91	31.27	6.50	-40.37	47.31	74.00	26.69	PK	Horizontal
3	10391.28	45.61	38.90	9.46	-38.86	55.11	68.20	13.09	PK	Horizontal
4	12677.20	41.85	39.55	10.36	-39.82	51.94	74.00	22.06	PK	Horizontal
5	15947.10	37.67	38.05	15.80	-39.33	52.19	74.00	21.81	PK	Horizontal
6	18000.00	38.36	42.40	12.85	-42.40	51.21	74.00	22.79	PK	Horizontal

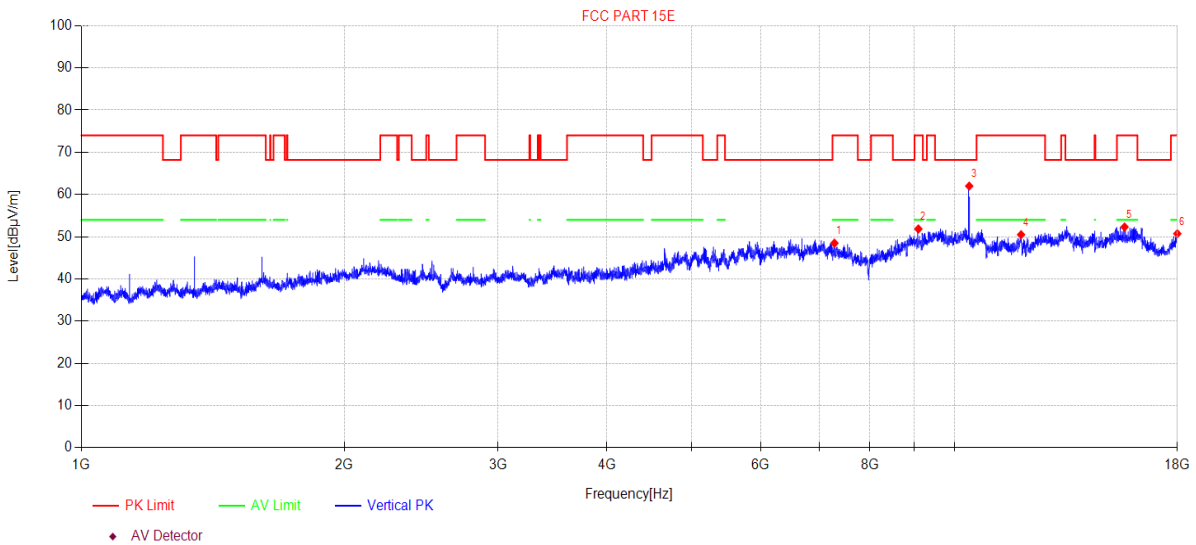
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5200MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\8
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	7286.80	44.12	36.87	8.91	-41.42	48.48	74.00	25.52	PK	Vertical
2	9092.46	43.06	38.48	9.08	-38.78	51.84	74.00	22.16	PK	Vertical
3	10397.29	52.51	38.90	9.46	-38.87	62.00	68.20	6.20	PK	Vertical
4	11920.34	40.79	38.96	10.26	-39.52	50.49	74.00	23.51	PK	Vertical
5	15659.37	38.58	38.54	14.35	-39.16	52.31	74.00	21.69	PK	Vertical
6	18000.00	37.87	42.40	12.85	-42.40	50.72	74.00	23.28	PK	Vertical

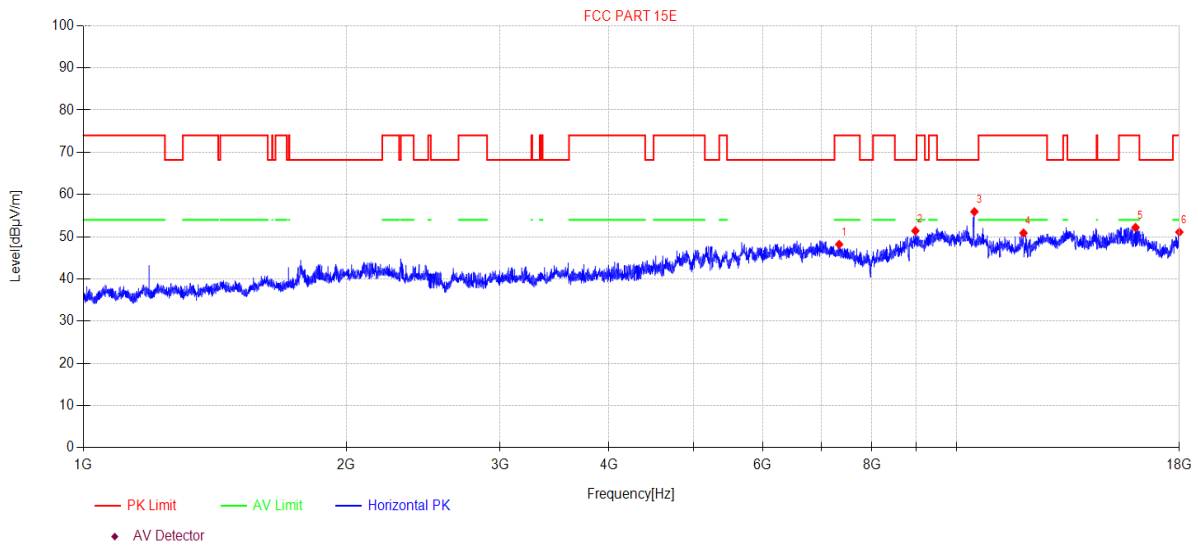
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5240MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\9
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7339.64	44.00	36.82	8.91	-41.55	48.18	74.00	25.82	PK	Horizontal
2	8972.38	42.90	38.36	9.03	-38.91	51.38	68.20	16.82	PK	Horizontal
3	10484.80	46.28	39.07	9.47	-38.90	55.92	68.20	12.28	PK	Horizontal
4	11934.13	41.14	39.00	10.27	-39.53	50.88	74.00	23.12	PK	Horizontal
5	16034.91	37.70	37.97	15.92	-39.39	52.20	74.00	21.80	PK	Horizontal
6	18000.00	38.25	42.40	12.85	-42.40	51.10	74.00	22.90	PK	Horizontal

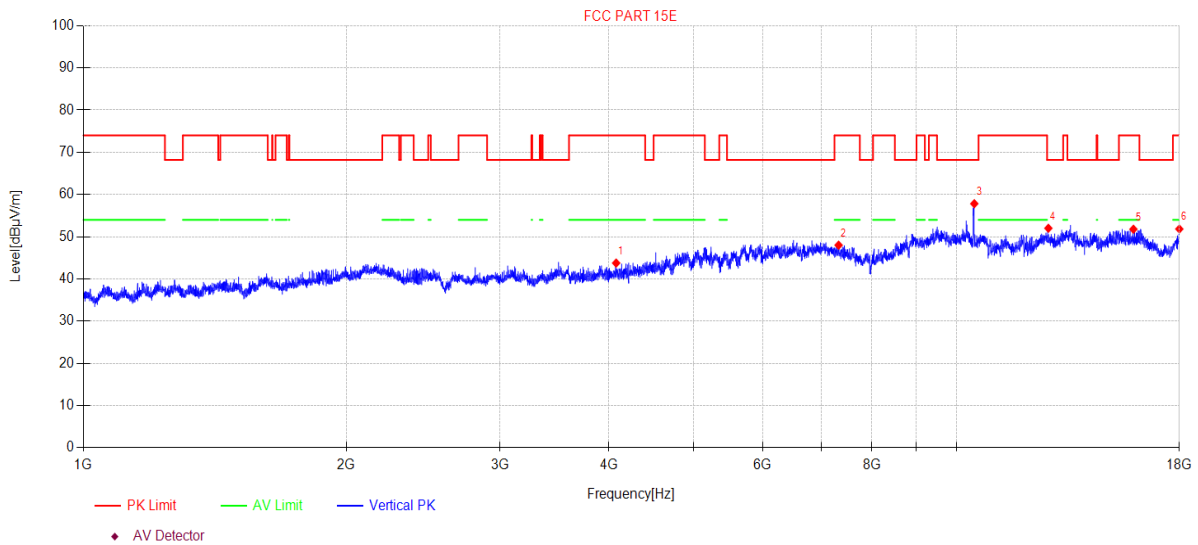
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5240MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\10
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4076.17	46.90	31.05	6.23	-40.42	43.76	74.00	30.24	PK	Vertical
2	7329.04	43.77	36.84	8.91	-41.52	48.00	74.00	26.00	PK	Vertical
3	10481.77	48.19	39.06	9.47	-38.90	57.82	68.20	10.38	PK	Vertical
4	12743.32	41.81	39.69	10.36	-39.85	52.01	68.20	16.19	PK	Vertical
5	15947.10	37.26	38.05	15.80	-39.33	51.78	74.00	22.22	PK	Vertical
6	18000.00	38.98	42.40	12.85	-42.40	51.83	74.00	22.17	PK	Vertical

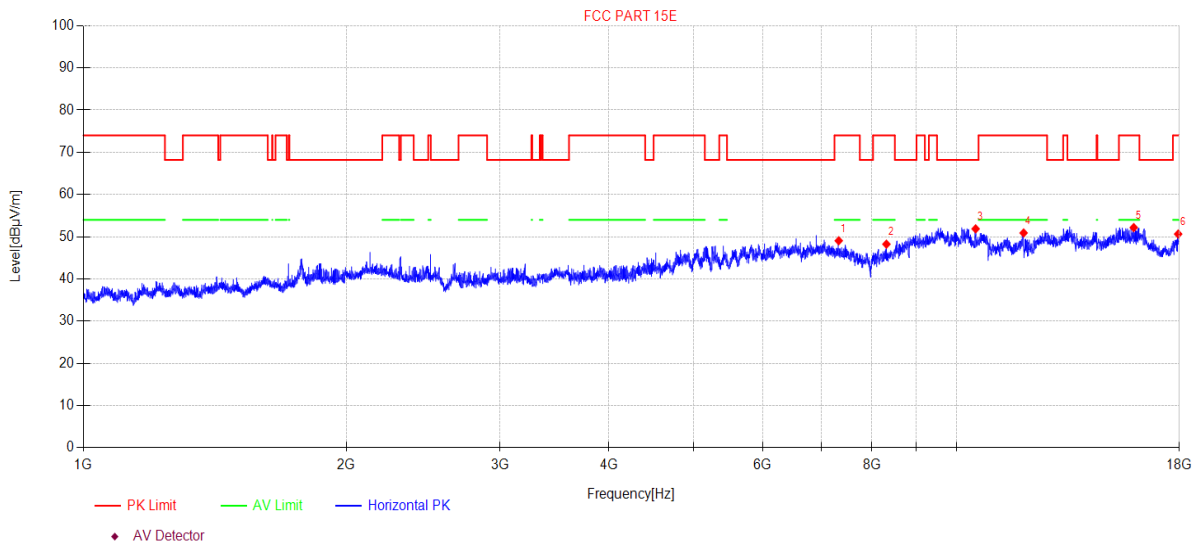
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5260MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\11
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	7331.16	44.83	36.84	8.91	-41.53	49.05	74.00	24.95	PK	Horizontal
2	8313.27	43.88	37.30	8.88	-41.82	48.24	74.00	25.76	PK	Horizontal
3	10518.18	42.19	39.12	9.47	-38.91	51.87	68.20	16.33	PK	Horizontal
4	11937.58	41.15	39.01	10.27	-39.53	50.90	74.00	23.10	PK	Horizontal
5	15960.94	37.60	38.04	15.87	-39.34	52.17	74.00	21.83	PK	Horizontal
6	17942.87	38.01	42.11	12.79	-42.27	50.64	74.00	23.36	PK	Horizontal

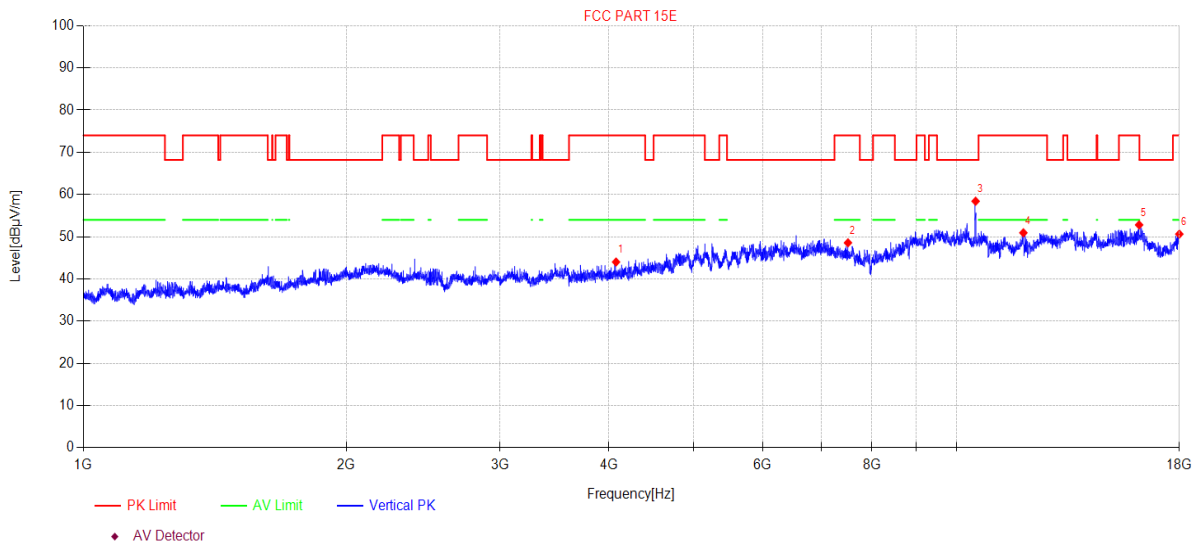
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5260MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\12
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4074.99	47.17	31.05	6.22	-40.42	44.02	74.00	29.98	PK	Vertical
2	7511.32	45.18	36.48	8.88	-41.98	48.56	74.00	25.44	PK	Vertical
3	10518.18	48.73	39.12	9.47	-38.91	58.41	68.20	9.79	PK	Vertical
4	11930.68	41.21	38.99	10.26	-39.53	50.93	74.00	23.07	PK	Vertical
5	16188.57	39.22	37.81	15.28	-39.51	52.80	74.00	21.20	PK	Vertical
6	18000.00	37.77	42.40	12.85	-42.40	50.62	74.00	23.38	PK	Vertical

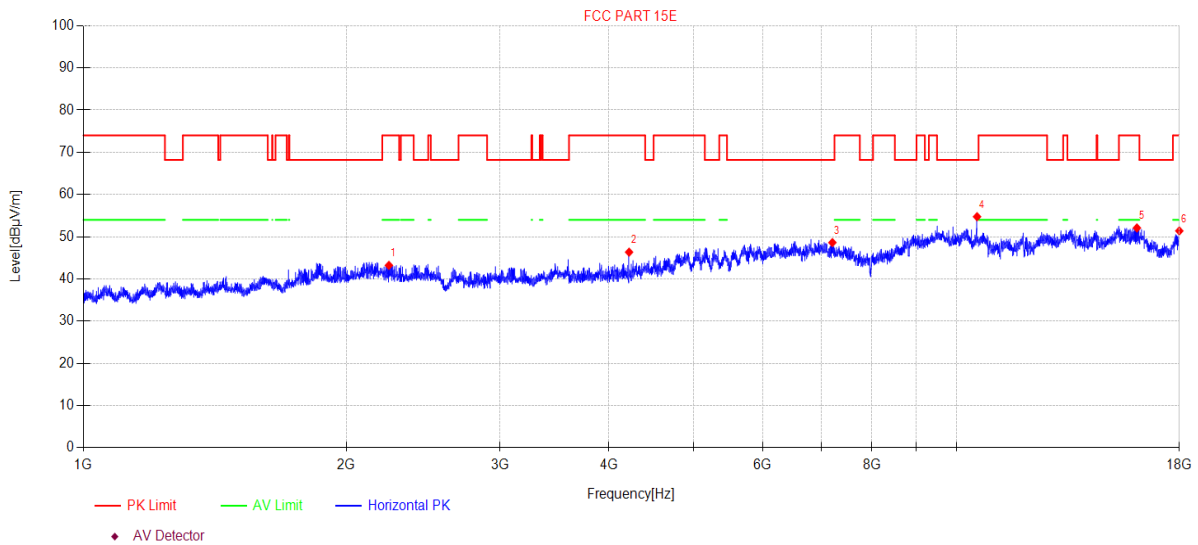
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5280MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\13
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2238.39	47.46	27.42	6.02	-37.68	43.22	74.00	30.78	PK	Horizontal
2	4217.58	48.95	31.27	6.50	-40.37	46.35	74.00	27.65	PK	Horizontal
3	7209.30	44.10	36.80	8.93	-41.22	48.61	68.20	19.59	PK	Horizontal
4	10557.77	45.03	39.16	9.48	-38.93	54.74	68.20	13.46	PK	Horizontal
5	16095.27	37.95	37.90	15.67	-39.44	52.08	74.00	21.92	PK	Horizontal
6	18000.00	38.53	42.40	12.85	-42.40	51.38	74.00	22.62	PK	Horizontal

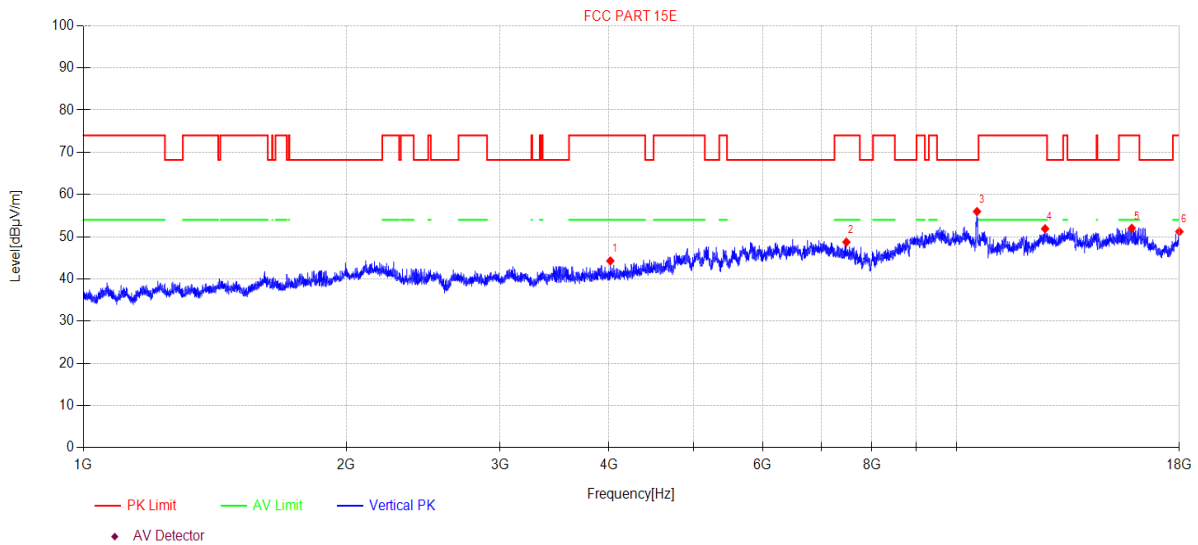
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5280MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\14
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4014.21	47.67	30.93	6.11	-40.44	44.27	74.00	29.73	PK	Vertical
2	7480.99	45.21	36.54	8.88	-41.90	48.73	74.00	25.27	PK	Vertical
3	10557.77	46.26	39.16	9.48	-38.93	55.97	68.20	12.23	PK	Vertical
4	12633.31	41.87	39.47	10.36	-39.81	51.89	74.00	22.11	PK	Vertical
5	15878.12	37.71	38.14	15.46	-39.29	52.02	74.00	21.98	PK	Vertical
6	18000.00	38.36	42.40	12.85	-42.40	51.21	74.00	22.79	PK	Vertical

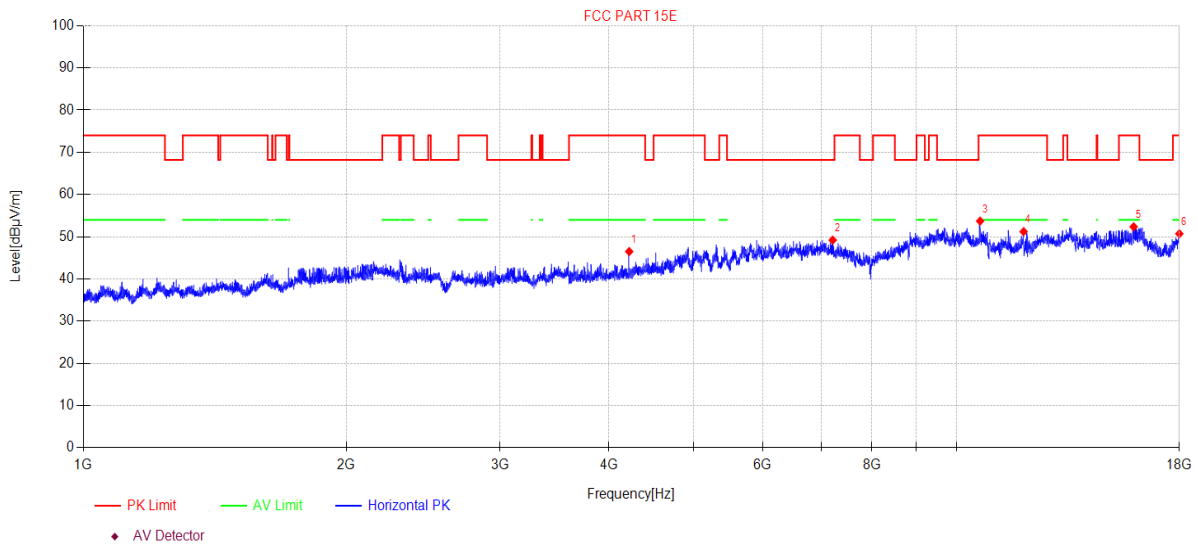
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\15
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4218.80	49.09	31.28	6.50	-40.37	46.50	74.00	27.50	PK	Horizontal
2	7215.55	44.71	36.80	8.93	-41.24	49.20	68.20	19.00	PK	Horizontal
3	10643.56	43.90	39.29	9.48	-38.96	53.71	74.00	20.29	PK	Horizontal
4	11937.58	41.46	39.01	10.27	-39.53	51.21	74.00	22.79	PK	Horizontal
5	15956.33	37.80	38.04	15.85	-39.33	52.36	74.00	21.64	PK	Horizontal
6	18000.00	37.85	42.40	12.85	-42.40	50.70	74.00	23.30	PK	Horizontal

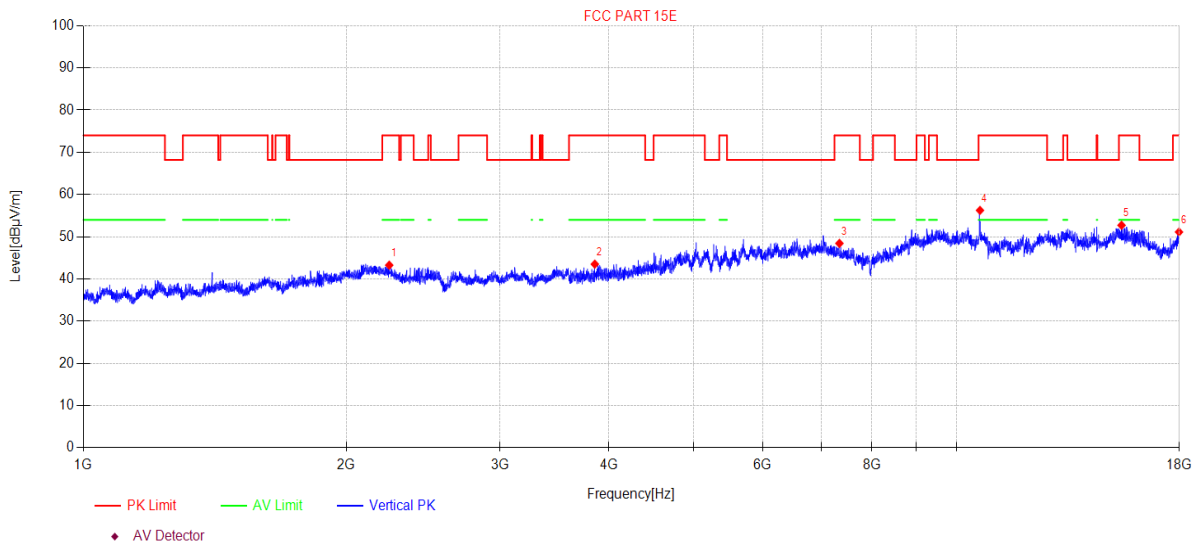
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\16
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2240.33	47.53	27.40	6.02	-37.69	43.26	74.00	30.74	PK	Vertical
2	3852.81	46.98	30.92	5.97	-40.36	43.51	74.00	30.49	PK	Vertical
3	7343.89	44.27	36.81	8.90	-41.56	48.42	74.00	25.58	PK	Vertical
4	10640.48	46.45	39.28	9.48	-38.96	56.25	74.00	17.75	PK	Vertical
5	15457.04	39.52	38.89	13.33	-39.03	52.71	74.00	21.29	PK	Vertical
6	17984.40	38.34	42.32	12.83	-42.37	51.12	74.00	22.88	PK	Vertical

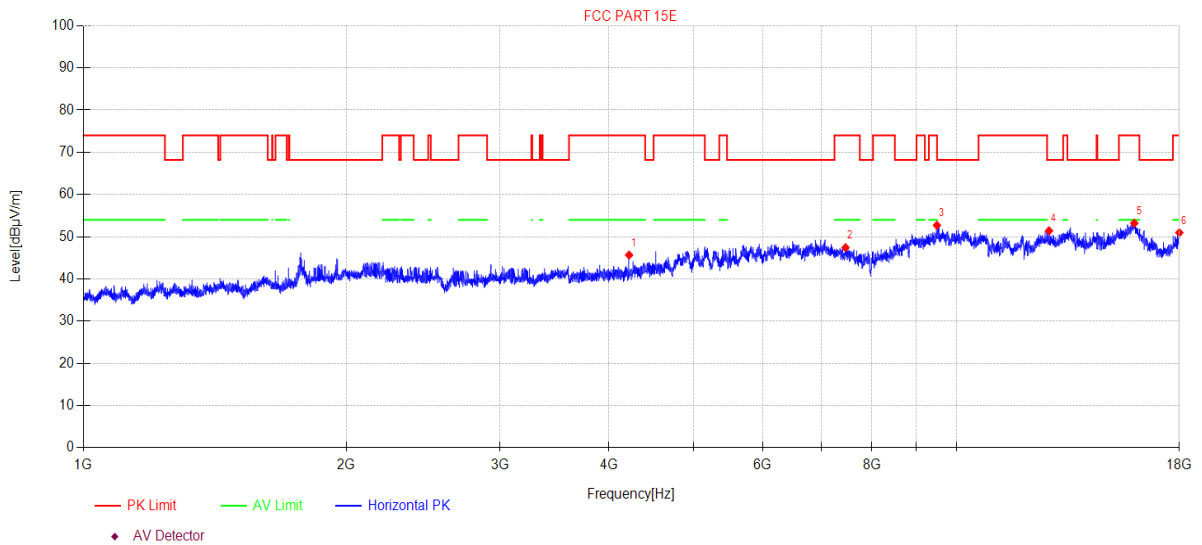
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\17
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4217.58	48.26	31.27	6.50	-40.37	45.66	74.00	28.34	PK	Horizontal
2	7463.71	43.81	36.57	8.89	-41.86	47.41	74.00	26.59	PK	Horizontal
3	9498.04	43.53	38.70	9.23	-38.76	52.70	74.00	21.30	PK	Horizontal
4	12765.43	41.17	39.73	10.37	-39.86	51.41	68.20	16.79	PK	Horizontal
5	15984.02	38.55	38.02	15.99	-39.35	53.21	74.00	20.79	PK	Horizontal
6	18000.00	38.11	42.40	12.85	-42.40	50.96	74.00	23.04	PK	Horizontal

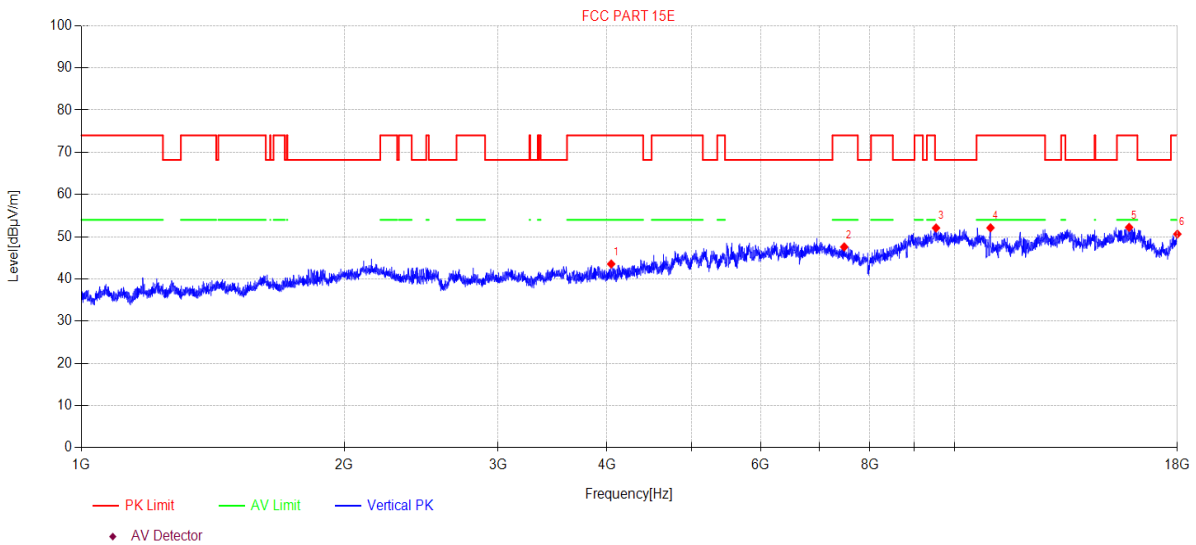
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\18
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4044.49	46.82	30.99	6.17	-40.43	43.55	74.00	30.45	PK	Vertical
2	7476.66	44.04	36.55	8.88	-41.89	47.58	74.00	26.42	PK	Vertical
3	9525.53	42.93	38.65	9.24	-38.75	52.07	68.20	16.13	PK	Vertical
4	10996.89	42.38	39.30	9.52	-39.09	52.11	74.00	21.89	PK	Vertical
5	15850.61	37.97	38.20	15.32	-39.27	52.22	74.00	21.78	PK	Vertical
6	18000.00	37.77	42.40	12.85	-42.40	50.62	74.00	23.38	PK	Vertical

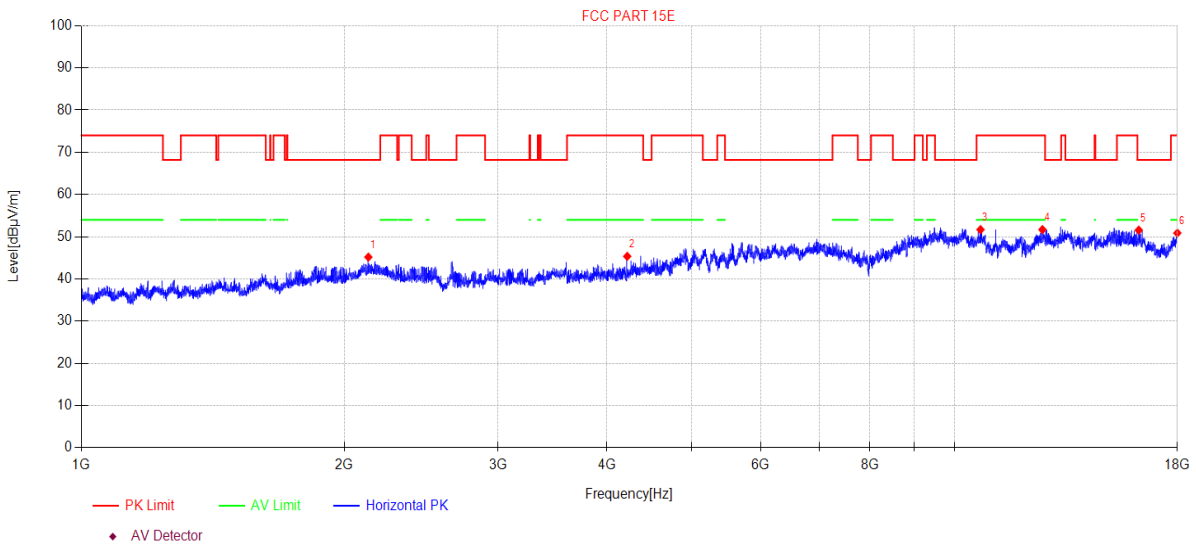
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5580MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\19
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2131.68	48.95	27.50	6.11	-37.38	45.18	68.20	23.02	PK	Horizontal
2	4218.80	47.94	31.28	6.50	-40.37	45.35	74.00	28.65	PK	Horizontal
3	10711.45	41.77	39.40	9.49	-38.98	51.68	74.00	22.32	PK	Horizontal
4	12611.42	41.71	39.42	10.36	-39.80	51.69	74.00	22.31	PK	Horizontal
5	16258.91	38.35	37.80	14.98	-39.57	51.56	68.20	16.64	PK	Horizontal
6	18000.00	38.02	42.40	12.85	-42.40	50.87	74.00	23.13	PK	Horizontal

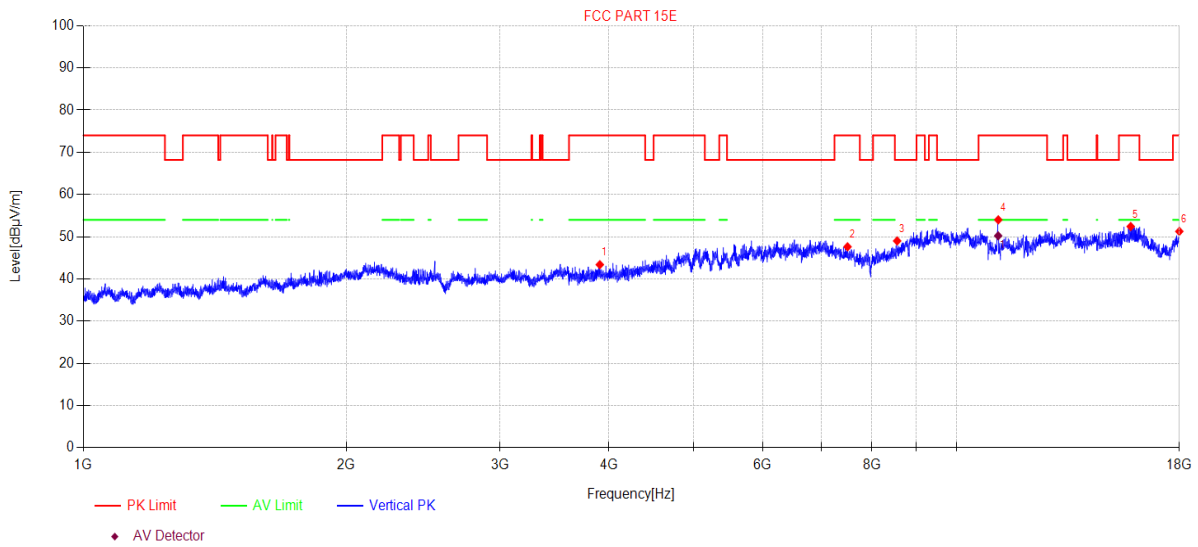
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5580MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\20
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3904.37	46.57	31.19	6.01	-40.39	43.38	74.00	30.62	PK	Vertical
2	7502.64	44.21	36.49	8.88	-41.96	47.62	74.00	26.38	PK	Vertical
3	8552.09	42.94	37.90	8.93	-40.77	49.00	68.20	19.20	PK	Vertical
4	11166.63	44.30	39.23	9.65	-39.17	54.01	74.00	19.99	PK	Vertical
5	15832.30	38.22	38.24	15.22	-39.26	52.42	74.00	21.58	PK	Vertical
6	18000.00	38.42	42.40	12.85	-42.40	51.27	74.00	22.73	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	11163.43	40.51	39.23	9.65	-39.17	50.22	54.00	3.78	AV	Vertical

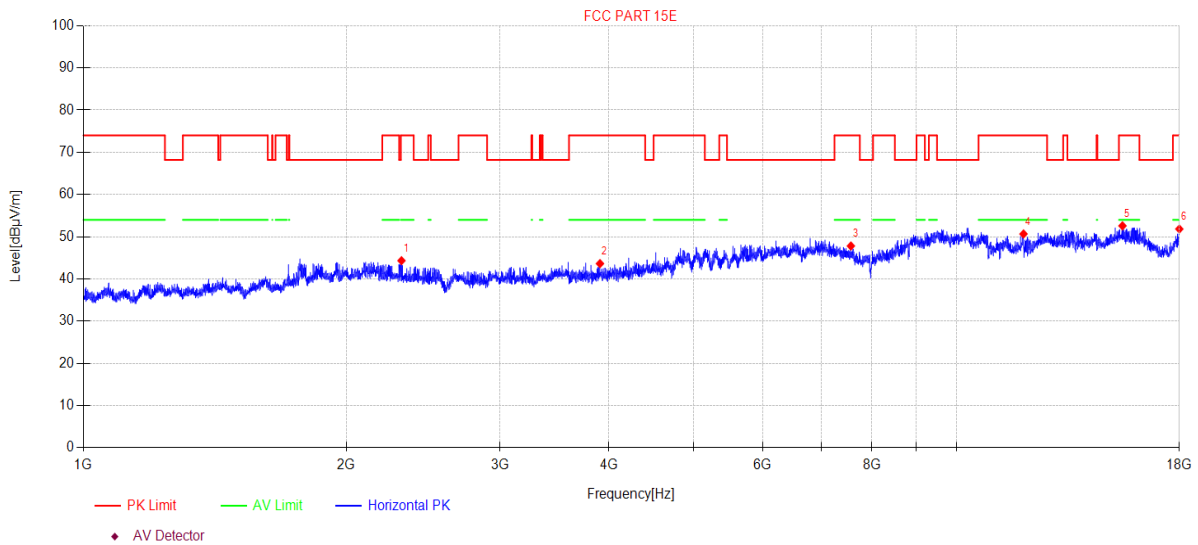
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5700MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\21
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2314.03	49.40	26.88	5.95	-37.90	44.33	74.00	29.67	PK	Horizontal
2	3905.50	46.82	31.19	6.01	-40.39	43.63	74.00	30.37	PK	Horizontal
3	7570.16	44.63	36.44	8.87	-42.13	47.81	74.00	26.19	PK	Horizontal
4	11934.13	40.92	39.00	10.27	-39.53	50.66	74.00	23.34	PK	Horizontal
5	15492.82	39.32	38.81	13.51	-39.06	52.58	74.00	21.42	PK	Horizontal
6	18000.00	38.98	42.40	12.85	-42.40	51.83	74.00	22.17	PK	Horizontal

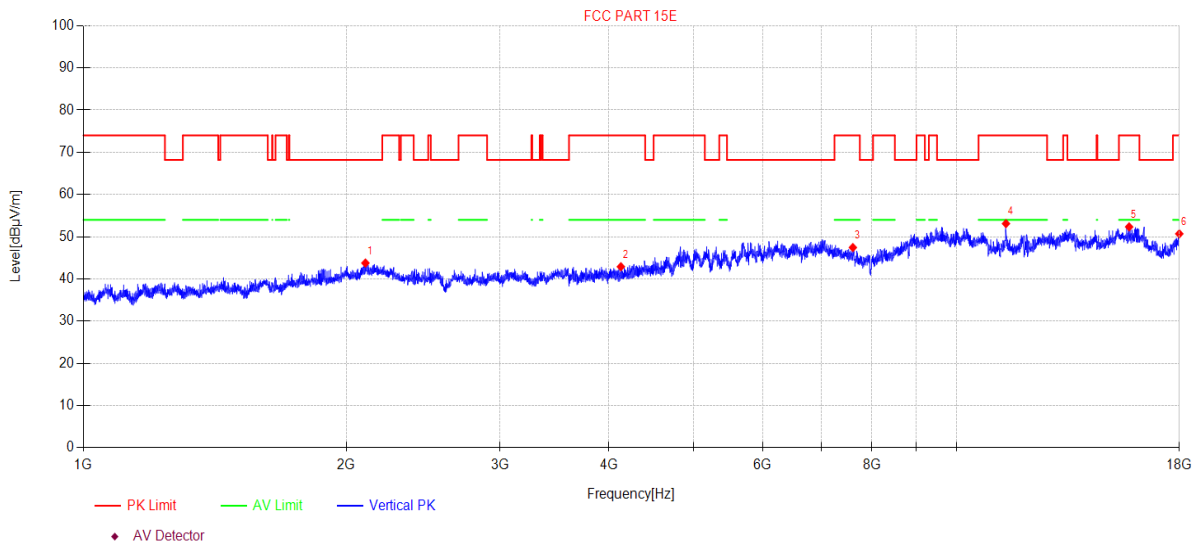
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5700MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\22
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2104.14	47.42	27.50	6.14	-37.30	43.76	68.20	24.44	PK	Vertical
2	4127.14	45.82	31.15	6.33	-40.40	42.90	74.00	31.10	PK	Vertical
3	7609.64	44.28	36.52	8.86	-42.22	47.44	74.00	26.56	PK	Vertical
4	11394.84	43.25	39.29	9.84	-39.28	53.10	74.00	20.90	PK	Vertical
5	15768.37	38.29	38.36	14.90	-39.22	52.33	74.00	21.67	PK	Vertical
6	18000.00	37.84	42.40	12.85	-42.40	50.69	74.00	23.31	PK	Vertical

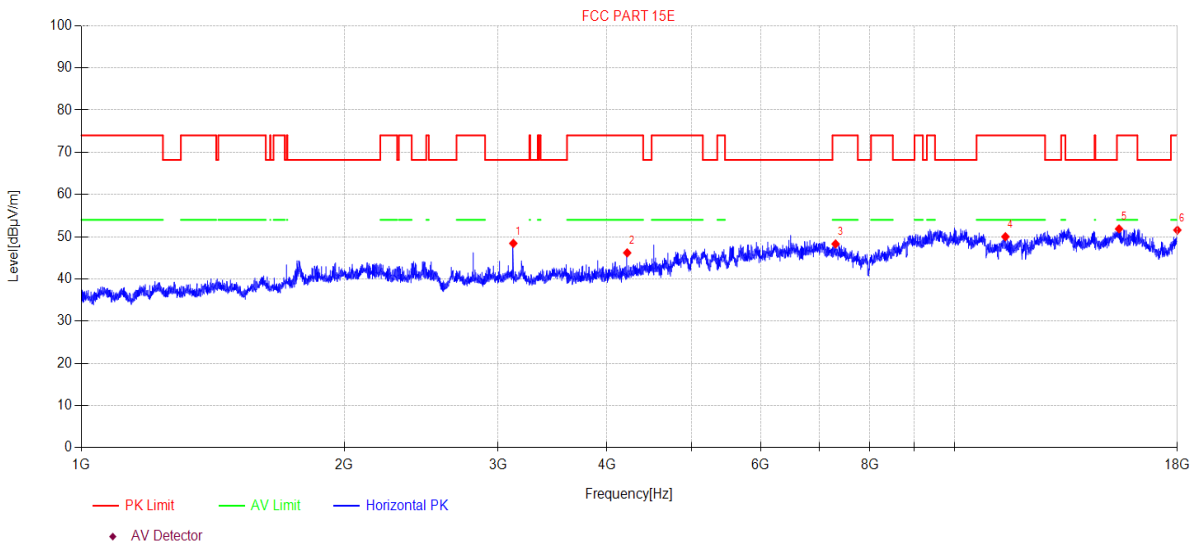
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5720MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\23
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3124.49	53.65	29.25	5.44	-39.92	48.42	68.20	19.78	PK	Horizontal
2	4218.80	48.77	31.28	6.50	-40.37	46.18	74.00	27.82	PK	Horizontal
3	7307.89	43.97	36.88	8.91	-41.47	48.29	74.00	25.71	PK	Horizontal
4	11437.73	40.18	39.26	9.87	-39.30	50.01	74.00	23.99	PK	Horizontal
5	15434.72	38.72	38.93	13.22	-39.02	51.85	74.00	22.15	PK	Horizontal
6	18000.00	38.72	42.40	12.85	-42.40	51.57	74.00	22.43	PK	Horizontal

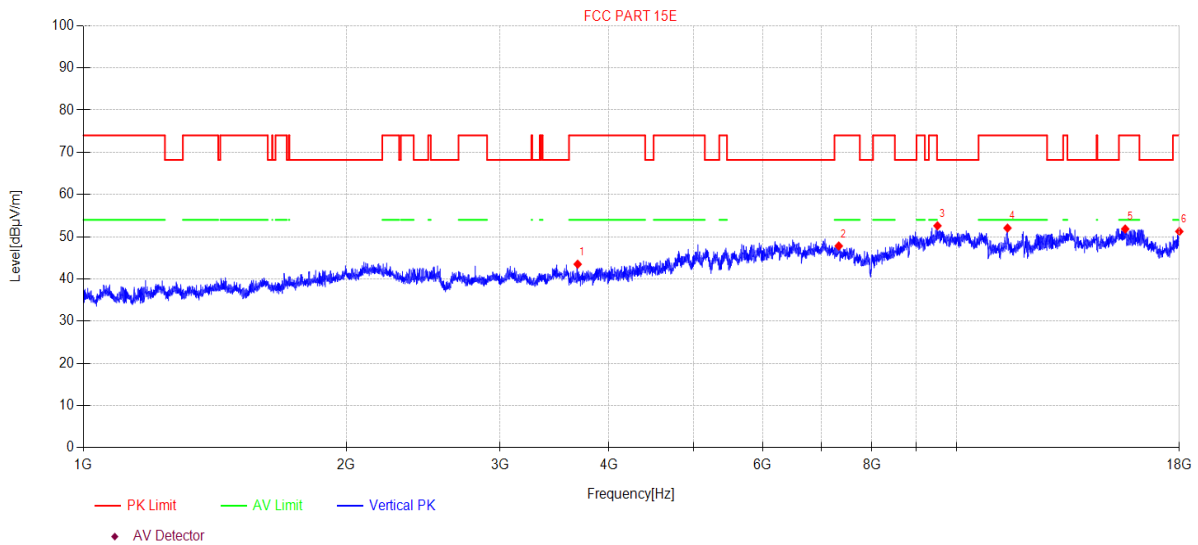
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5720MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\24
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3682.96	47.57	30.33	5.85	-40.26	43.49	74.00	30.51	PK	Vertical
2	7331.16	43.58	36.84	8.91	-41.53	47.80	74.00	26.20	PK	Vertical
3	9511.77	43.43	38.68	9.23	-38.75	52.59	68.20	15.61	PK	Vertical
4	11441.04	42.22	39.26	9.87	-39.30	52.05	74.00	21.95	PK	Vertical
5	15605.16	38.27	38.59	14.08	-39.12	51.82	74.00	22.18	PK	Vertical
6	18000.00	38.40	42.40	12.85	-42.40	51.25	74.00	22.75	PK	Vertical

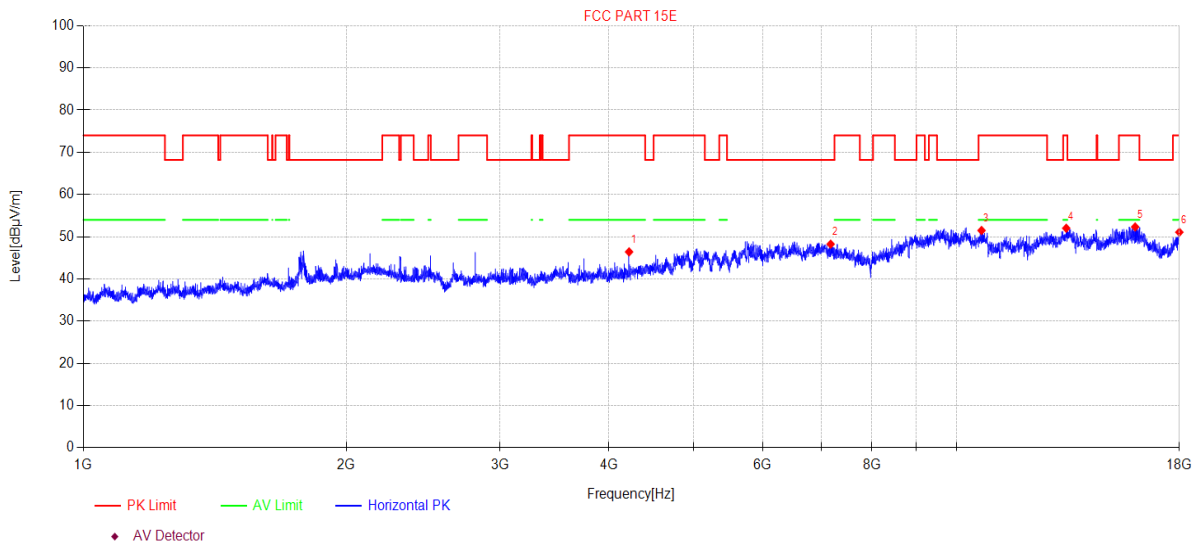
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5745MHZ **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\1
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4217.58	49.01	31.27	6.50	-40.37	46.41	74.00	27.59	PK	Horizontal
2	7176.04	43.70	36.75	8.93	-41.14	48.24	68.20	19.96	PK	Horizontal
3	10683.62	41.59	39.37	9.49	-38.97	51.48	74.00	22.52	PK	Horizontal
4	13358.00	41.24	40.10	10.52	-39.84	52.02	74.00	21.98	PK	Horizontal
5	16021.02	37.74	37.98	15.98	-39.38	52.32	74.00	21.68	PK	Horizontal
6	18000.00	38.22	42.40	12.85	-42.40	51.07	74.00	22.93	PK	Horizontal

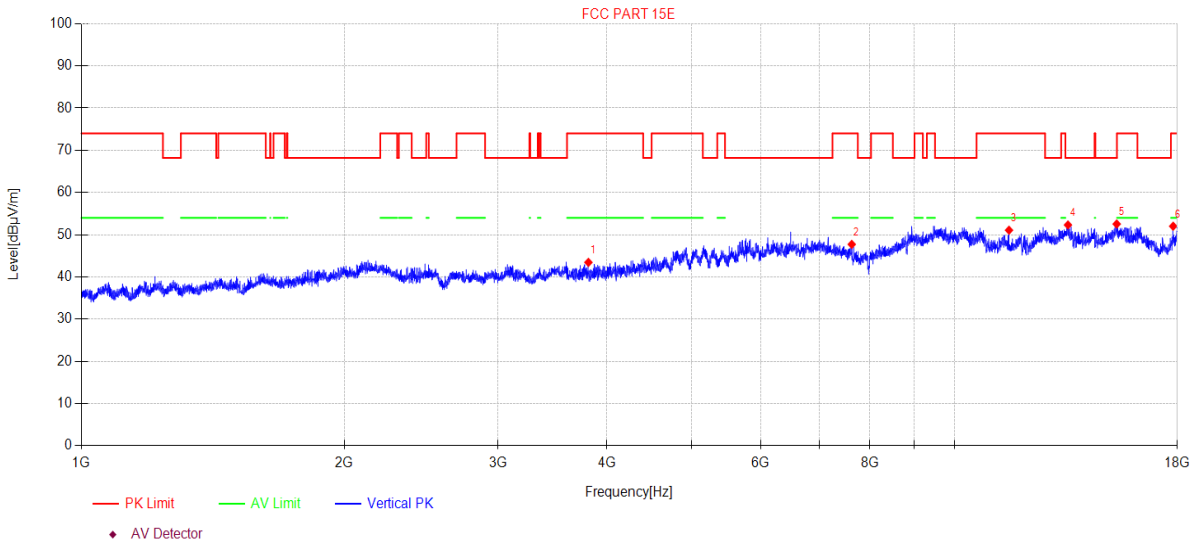
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5745MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\2
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3808.52	47.11	30.73	5.94	-40.33	43.45	74.00	30.55	PK	Vertical
2	7627.26	44.58	36.55	8.86	-42.27	47.72	74.00	26.28	PK	Vertical
3	11547.34	41.35	39.11	9.96	-39.35	51.07	74.00	22.93	PK	Vertical
4	13489.90	41.27	40.28	10.57	-39.80	52.32	68.20	15.88	PK	Vertical
5	15341.33	39.28	39.47	12.75	-38.96	52.54	68.20	15.66	PK	Vertical
6	17803.40	40.48	40.84	12.66	-41.96	52.02	74.00	21.98	PK	Vertical

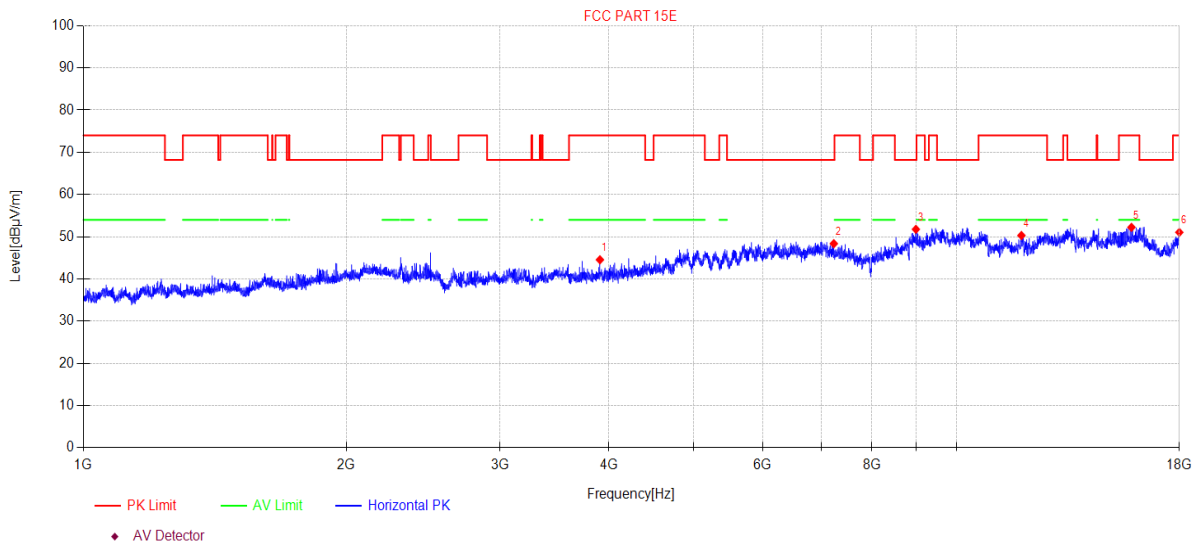
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5785MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\3
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3905.50	47.73	31.19	6.01	-40.39	44.54	74.00	29.46	PK	Horizontal
2	7236.43	43.92	36.80	8.92	-41.29	48.35	68.20	19.85	PK	Horizontal
3	8985.35	43.24	38.33	9.04	-38.85	51.76	68.20	16.44	PK	Horizontal
4	11868.77	40.67	38.90	10.22	-39.50	50.29	74.00	23.71	PK	Horizontal
5	15864.36	37.95	38.17	15.39	-39.28	52.23	74.00	21.77	PK	Horizontal
6	18000.00	38.19	42.40	12.85	-42.40	51.04	74.00	22.96	PK	Horizontal

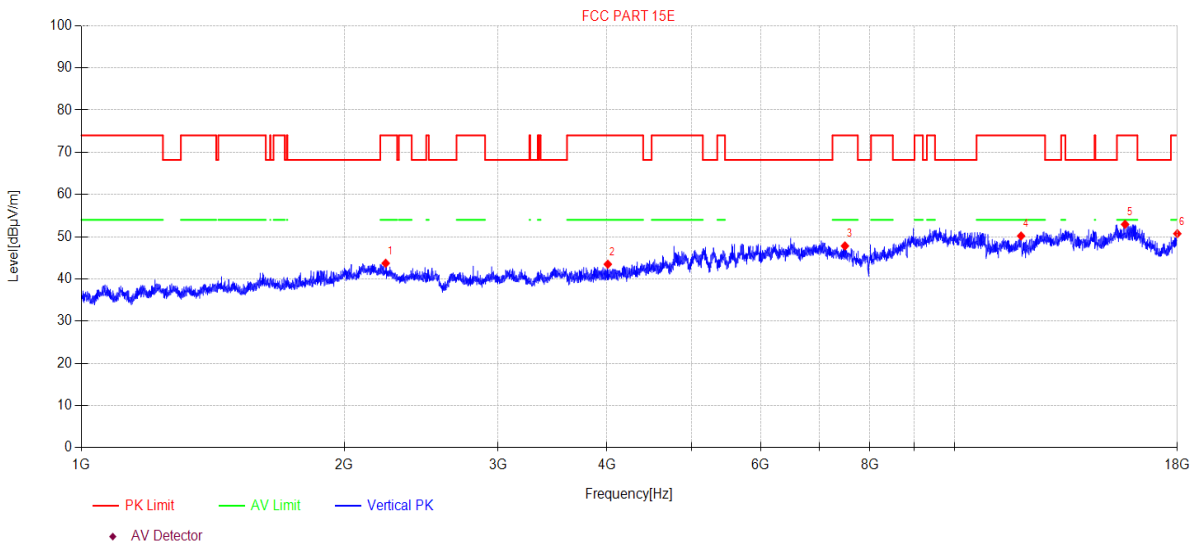
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5785MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\4
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2231.28	47.85	27.49	6.03	-37.66	43.71	74.00	30.29	PK	Vertical
2	4008.41	46.92	30.92	6.10	-40.45	43.49	74.00	30.51	PK	Vertical
3	7491.80	44.35	36.52	8.88	-41.93	47.82	74.00	26.18	PK	Vertical
4	11920.34	40.48	38.96	10.26	-39.52	50.18	74.00	23.82	PK	Vertical
5	15682.02	39.12	38.52	14.47	-39.17	52.94	74.00	21.06	PK	Vertical
6	18000.00	37.87	42.40	12.85	-42.40	50.72	74.00	23.28	PK	Vertical

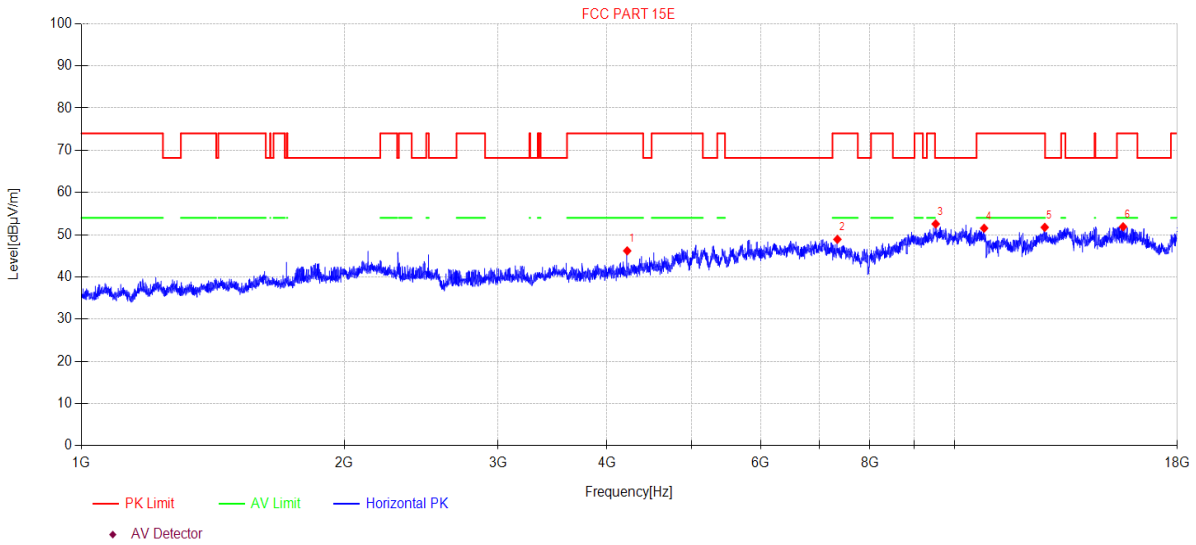
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5825MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\5
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4218.80	48.77	31.28	6.50	-40.37	46.18	74.00	27.82	PK	Horizontal
2	7343.89	44.75	36.81	8.90	-41.56	48.90	74.00	25.10	PK	Horizontal
3	9517.27	43.39	38.67	9.24	-38.75	52.55	68.20	15.65	PK	Horizontal
4	10814.09	41.67	39.39	9.50	-39.02	51.54	74.00	22.46	PK	Horizontal
5	12688.19	41.64	39.58	10.36	-39.83	51.75	74.00	22.25	PK	Horizontal
6	15600.65	38.35	38.60	14.06	-39.12	51.89	74.00	22.11	PK	Horizontal

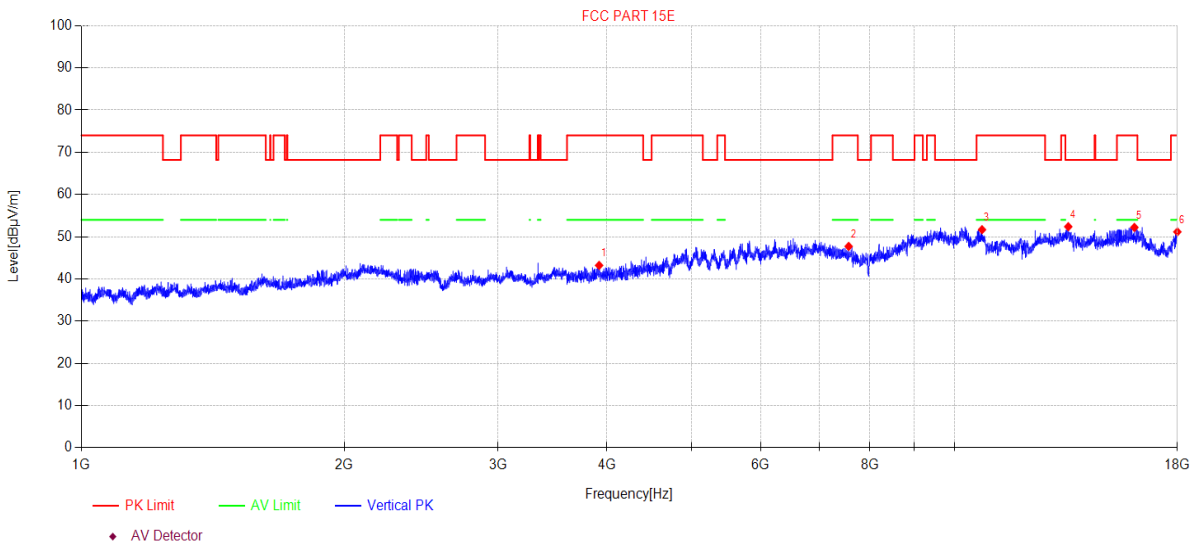
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-12-01 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5825MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5.8GWIFI\6
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3917.93	46.43	31.16	6.02	-40.40	43.21	74.00	30.79	PK	Vertical
2	7565.78	44.52	36.43	8.87	-42.11	47.71	74.00	26.29	PK	Vertical
3	10754.87	41.77	39.40	9.50	-39.00	51.67	74.00	22.33	PK	Vertical
4	13501.60	41.30	40.30	10.57	-39.79	52.38	68.20	15.82	PK	Vertical
5	16072.03	37.93	37.93	15.77	-39.42	52.21	74.00	21.79	PK	Vertical
6	18000.00	38.30	42.40	12.85	-42.40	51.15	74.00	22.85	PK	Vertical

Note:

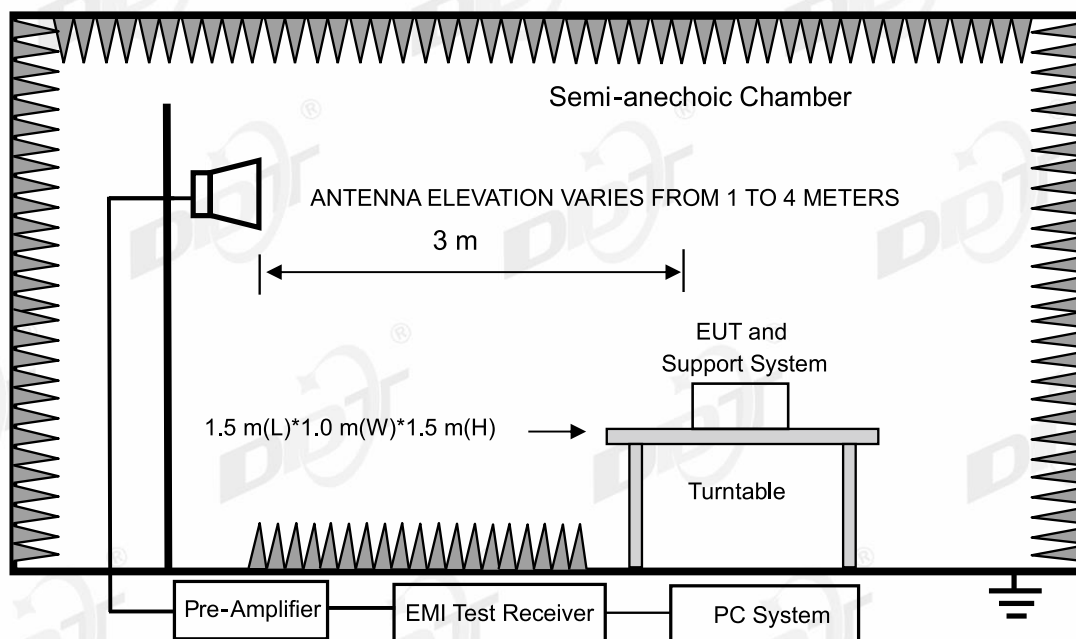
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10	1 Year
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	NA
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2024/04/25	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	1 Year
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2024/04/22	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2024/04/20	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2024/04/20	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2024/04/22	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2024/04/26	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2024/04/22	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2024/04/22	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2024/04/20	1 Year
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17	1 Year

13.2. Block diagram of test setup



13.3. Limits

(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 solely in the 5.725-5.850 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description
Laptop	Lenovo	00425-00000-00002-AA135	NA

13.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

Note 1: 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

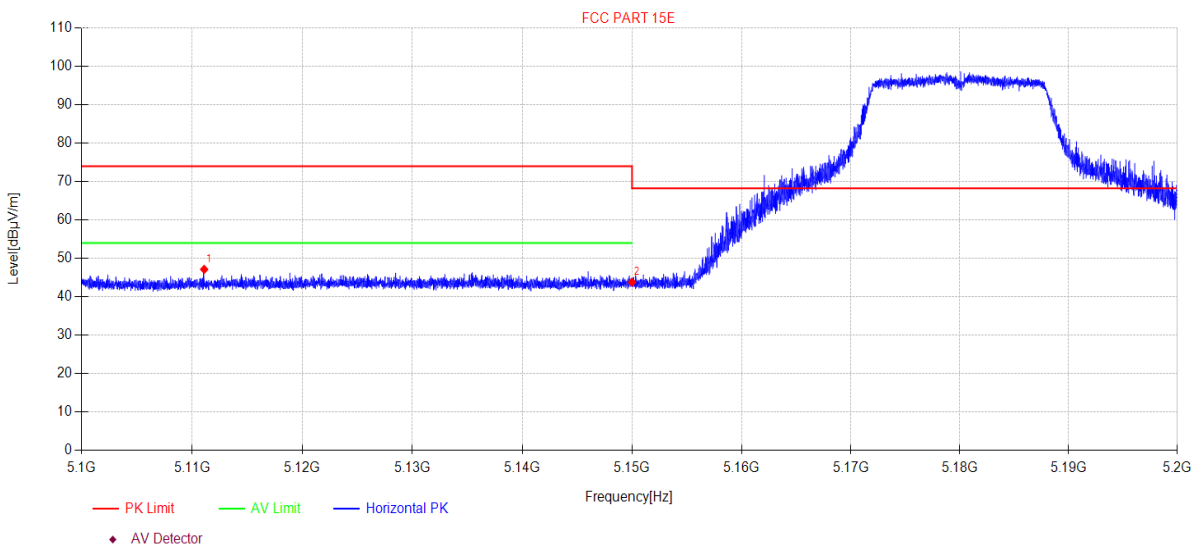
Note 2: All modes have been tested, only the worse case was reported.

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\25
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5111.11	48.24	33.40	5.57	-40.07	47.14	74.00	26.86	PK	Horizontal
2	5150.00	44.87	33.40	5.59	-40.06	43.80	68.20	24.40	PK	Horizontal

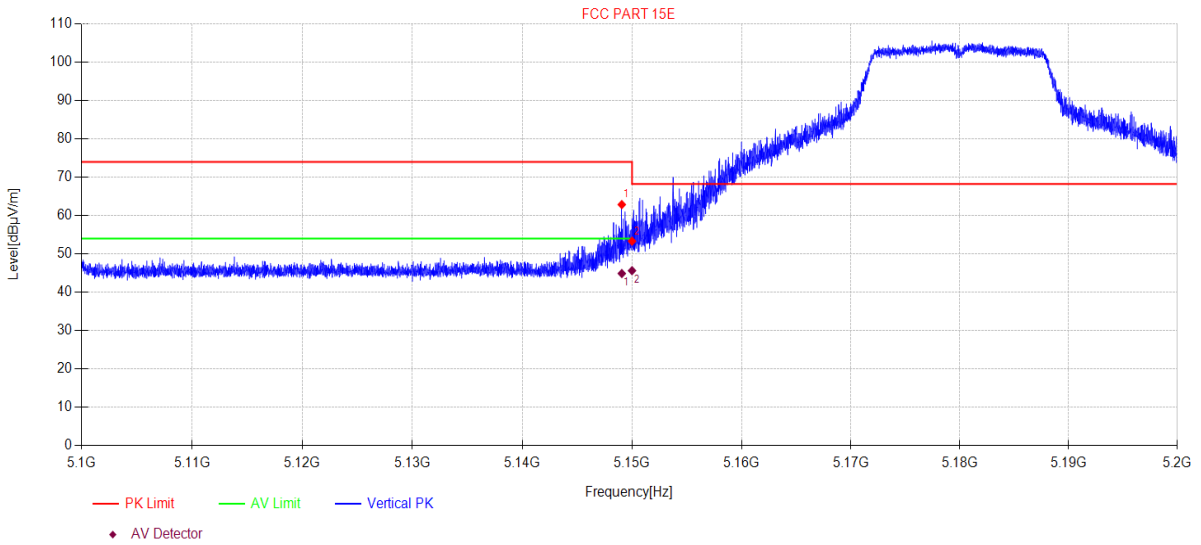
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\26
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.07	63.94	33.40	5.58	-40.06	62.86	74.00	11.14	PK	Vertical
2	5150.00	54.39	33.40	5.59	-40.06	53.32	68.20	14.88	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.07	45.98	33.40	5.58	-40.06	44.90	54.00	9.10	AV	Vertical
2	5150.00	46.71	33.40	5.59	-40.06	45.64	54.00	8.36	AV	Vertical

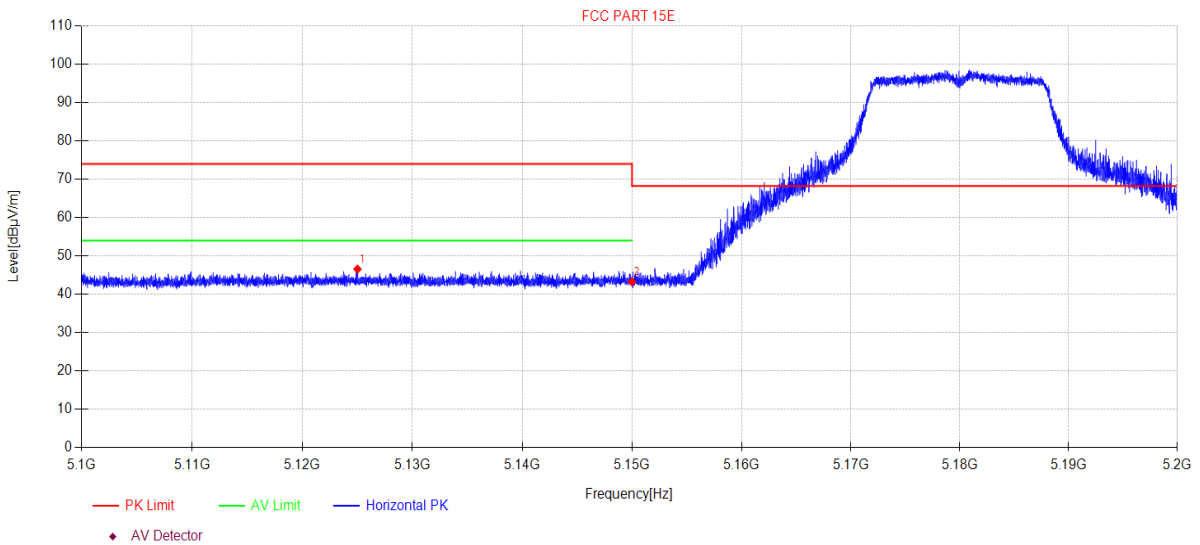
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\27
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5125.01	47.64	33.40	5.57	-40.06	46.55	74.00	27.45	PK	Horizontal
2	5150.00	44.37	33.40	5.59	-40.06	43.30	68.20	24.90	PK	Horizontal

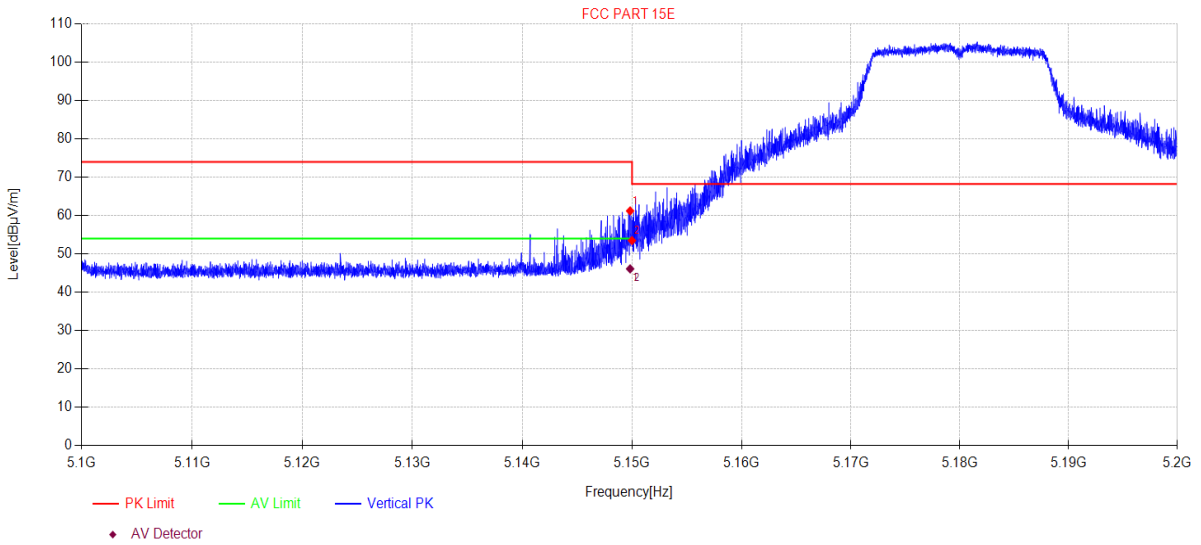
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\28
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.83	62.29	33.40	5.58	-40.06	61.21	74.00	12.79	PK	Vertical
2	5150.00	54.55	33.40	5.59	-40.06	53.48	68.20	14.72	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.83	47.18	33.40	5.58	-40.06	46.10	54.00	7.90	AV	Vertical
2	5150.00	47.21	33.40	5.59	-40.06	46.14	54.00	7.86	AV	Vertical

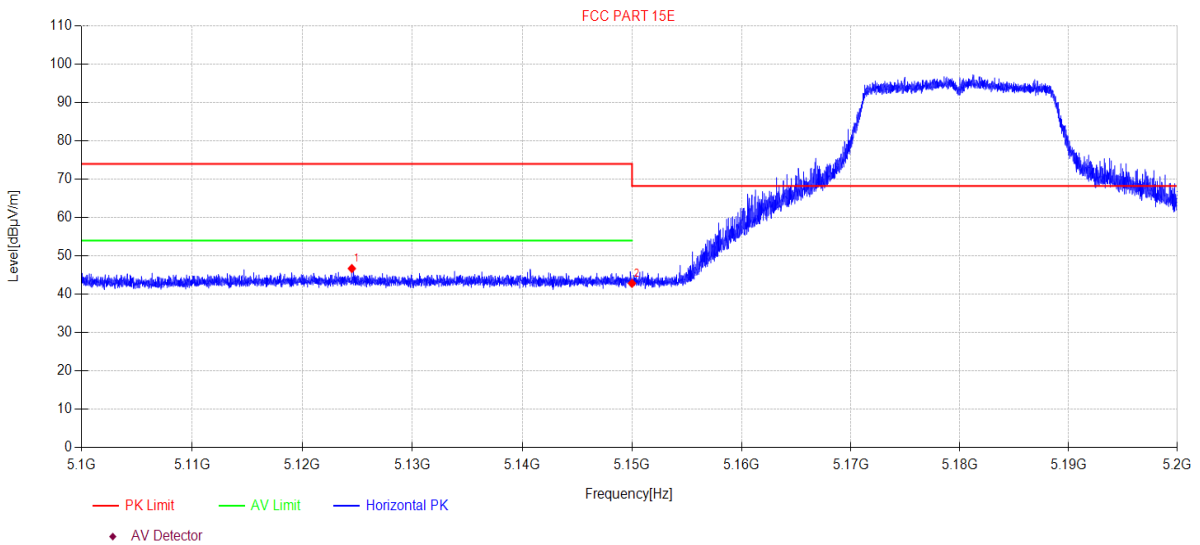
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\29
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5124.50	47.80	33.40	5.57	-40.06	46.71	74.00	27.29	PK	Horizontal
2	5150.00	43.92	33.40	5.59	-40.06	42.85	68.20	25.35	PK	Horizontal

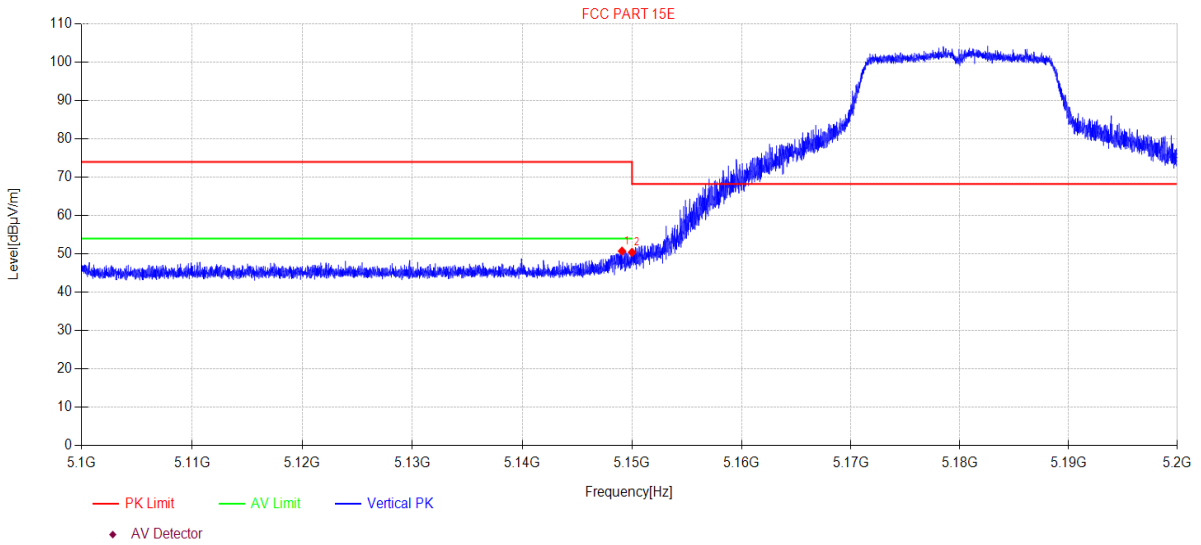
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\30
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.09	51.81	33.40	5.58	-40.06	50.73	74.00	23.27	PK	Vertical
2	5150.00	51.49	33.40	5.59	-40.06	50.42	68.20	17.78	PK	Vertical

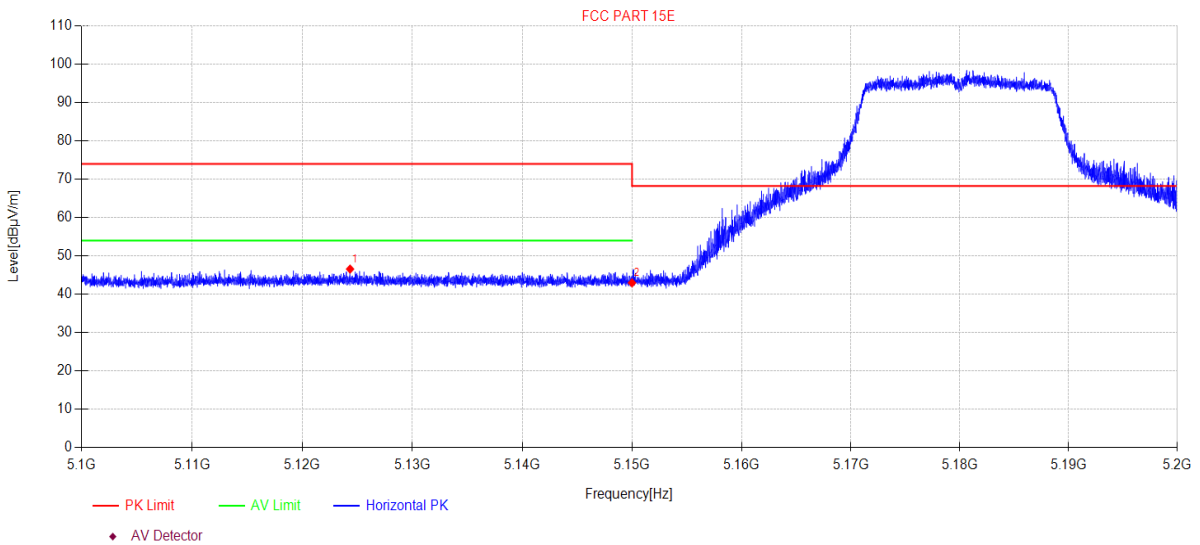
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\31
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5124.34	47.66	33.40	5.57	-40.06	46.57	74.00	27.43	PK	Horizontal
2	5150.00	44.05	33.40	5.59	-40.06	42.98	68.20	25.22	PK	Horizontal

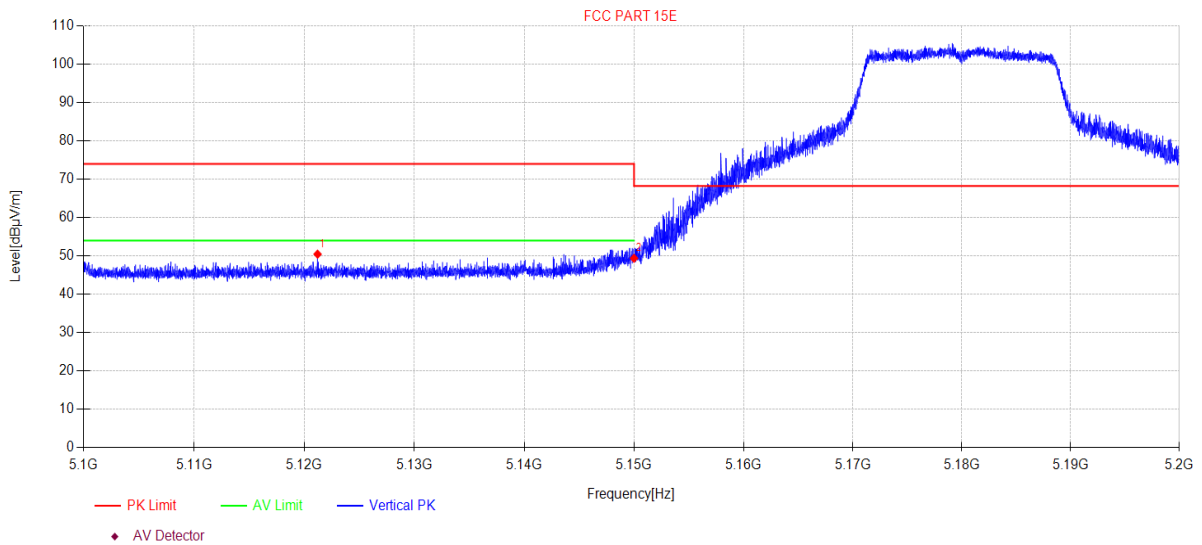
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\32
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5121.21	51.54	33.40	5.57	-40.06	50.45	74.00	23.55	PK	Vertical
2	5150.00	50.45	33.40	5.59	-40.06	49.38	68.20	18.82	PK	Vertical

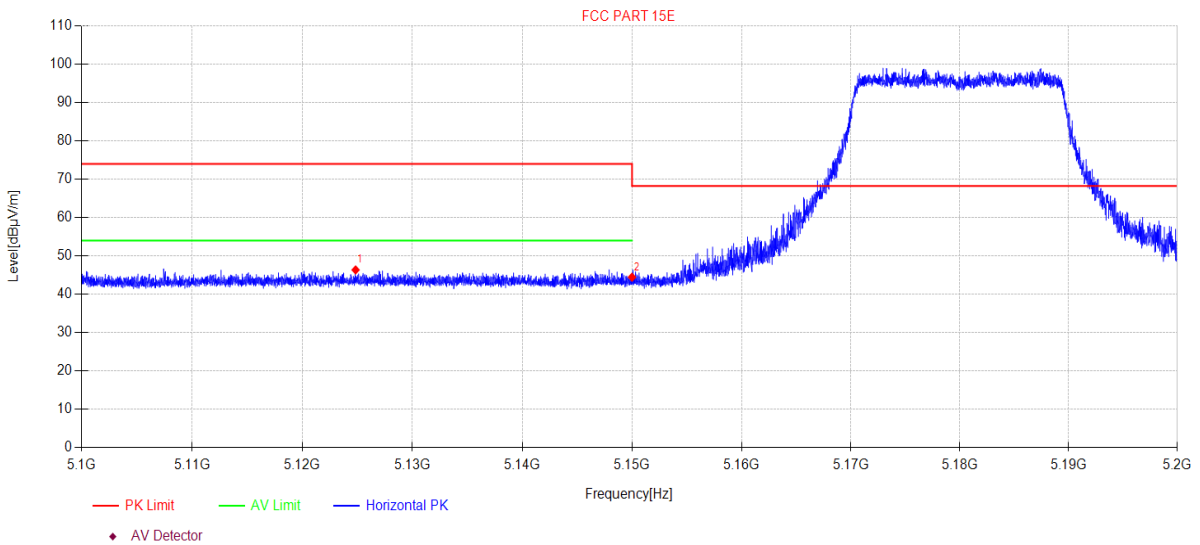
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\33
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5124.84	47.45	33.40	5.57	-40.06	46.36	74.00	27.64	PK	Horizontal
2	5150.00	45.53	33.40	5.59	-40.06	44.46	68.20	23.74	PK	Horizontal

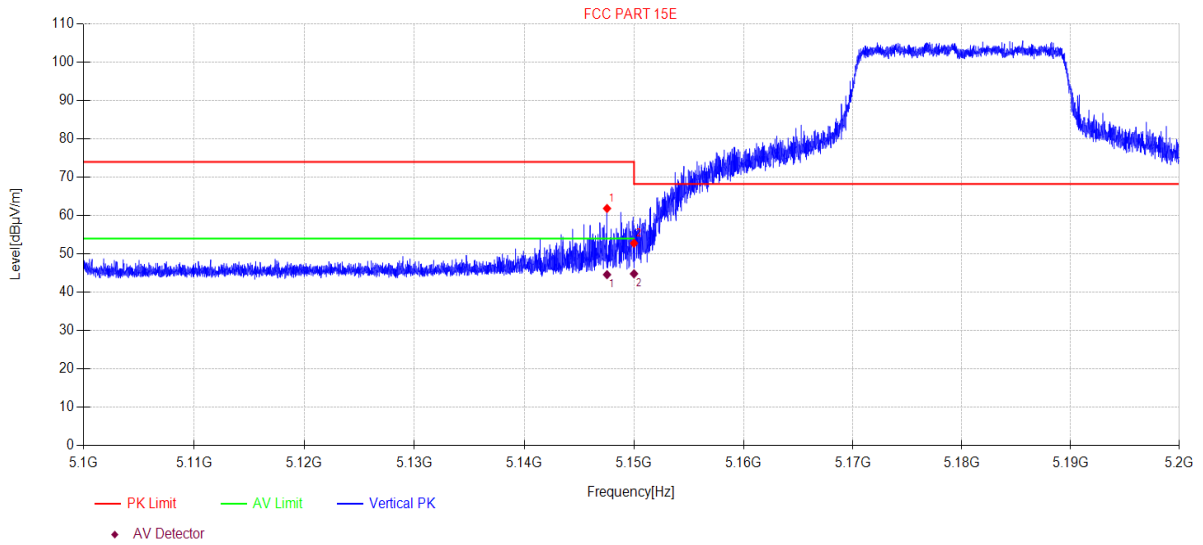
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\34
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5147.54	62.92	33.40	5.58	-40.06	61.84	74.00	12.16	PK	Vertical
2	5150.00	53.85	33.40	5.59	-40.06	52.78	68.20	15.42	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5147.54	45.68	33.40	5.58	-40.06	44.60	54.00	9.40	AV	Vertical
2	5150.00	45.89	33.40	5.59	-40.06	44.82	54.00	9.18	AV	Vertical

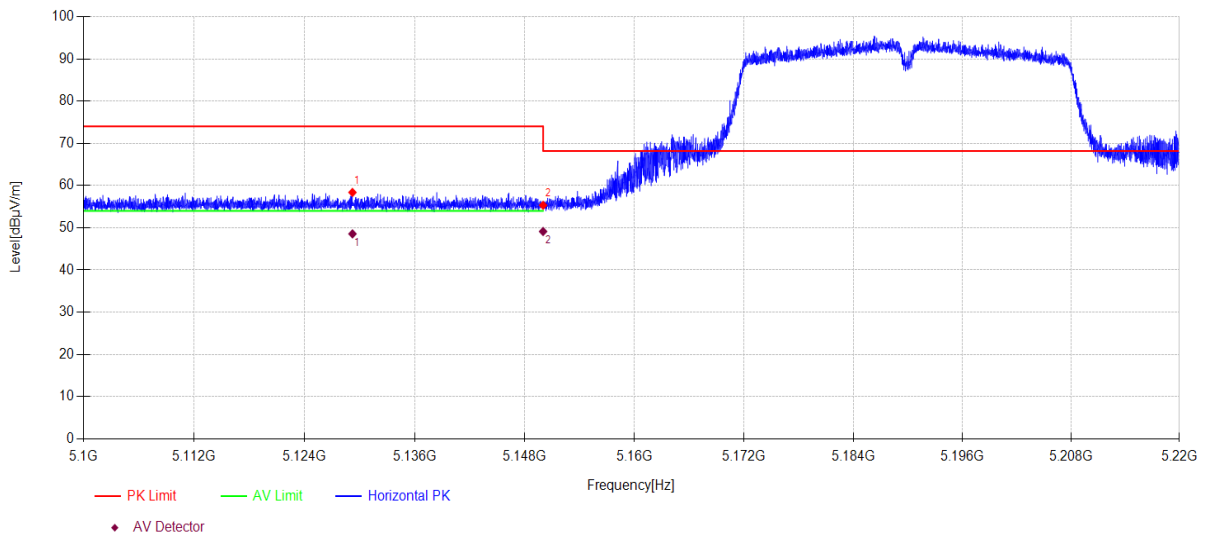
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\35
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5129.208	49.45	33.40	5.57	-30.06	58.36	74.00	15.64	PK	Horizontal
2	5150.000	46.39	33.40	5.59	-30.06	55.32	68.20	12.88	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5129.208	39.63	33.40	5.57	-30.06	48.54	54.00	5.46	AV	Horizontal
2	5150.000	40.18	33.40	5.59	-30.06	49.11	54.00	4.89	AV	Horizontal

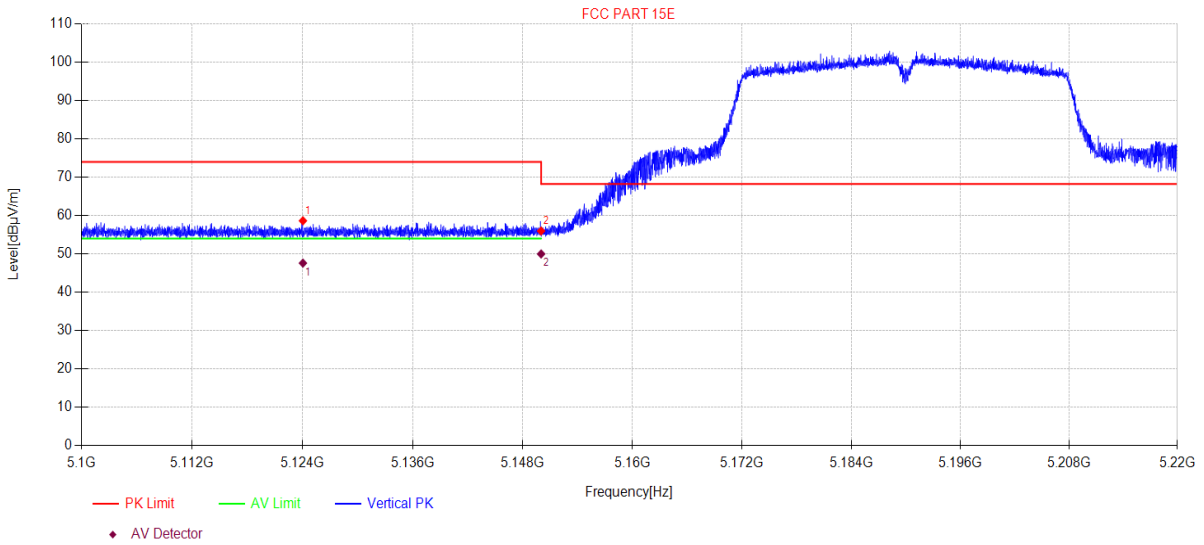
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\36
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5124.04	49.72	33.40	5.57	-30.06	58.63	74.00	15.37	PK	Vertical
2	5150.00	47.04	33.40	5.59	-30.06	55.97	68.20	12.23	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5124.04	38.69	33.40	5.57	-30.06	47.60	54.00	6.40	AV	Vertical
2	5150.00	41.06	33.40	5.59	-30.06	49.99	54.00	4.01	AV	Vertical

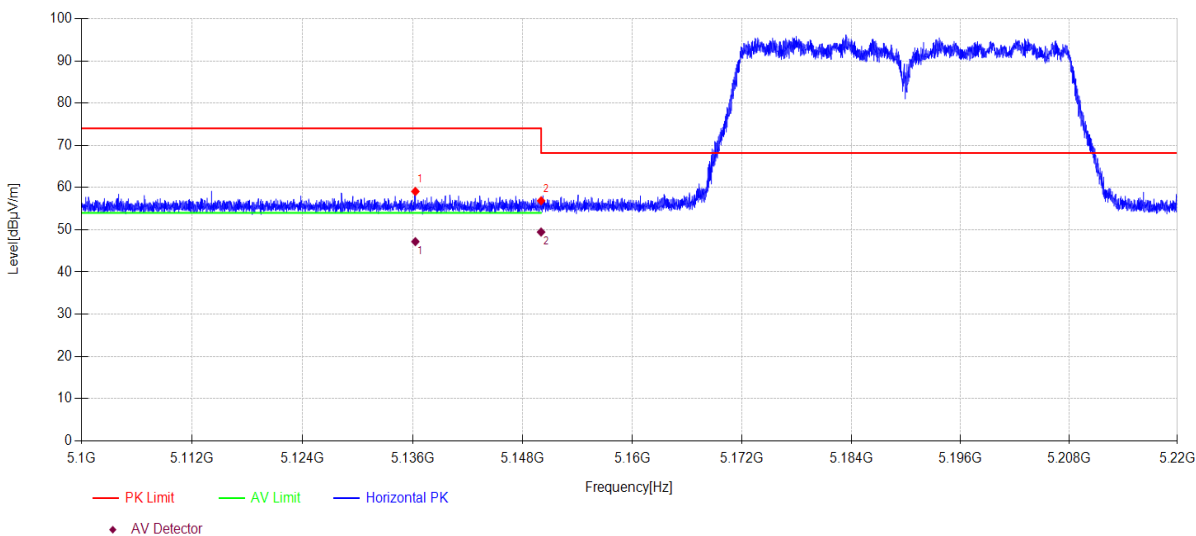
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\37
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5136.276	50.15	33.40	5.58	-30.06	59.07	74.00	14.93	PK	Horizontal
2	5150.000	47.92	33.40	5.59	-30.06	56.85	68.20	11.35	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5136.276	38.26	33.40	5.58	-30.06	47.18	54.00	6.82	AV	Horizontal
2	5150.000	40.52	33.40	5.59	-30.06	49.45	54.00	4.55	AV	Horizontal

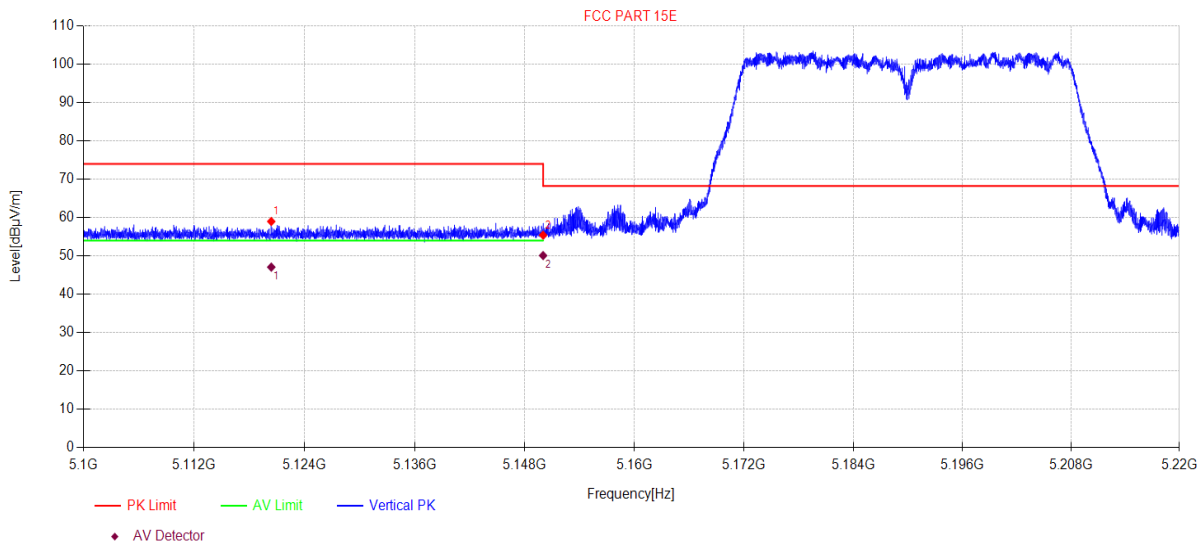
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\38
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5120.38	50.07	33.40	5.57	-30.06	58.98	74.00	15.02	PK	Vertical
2	5150.00	46.47	33.40	5.59	-30.06	55.40	68.20	12.80	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5120.38	38.17	33.40	5.57	-30.06	47.08	54.00	6.92	AV	Vertical
2	5150.00	41.16	33.40	5.59	-30.06	50.09	54.00	3.91	AV	Vertical

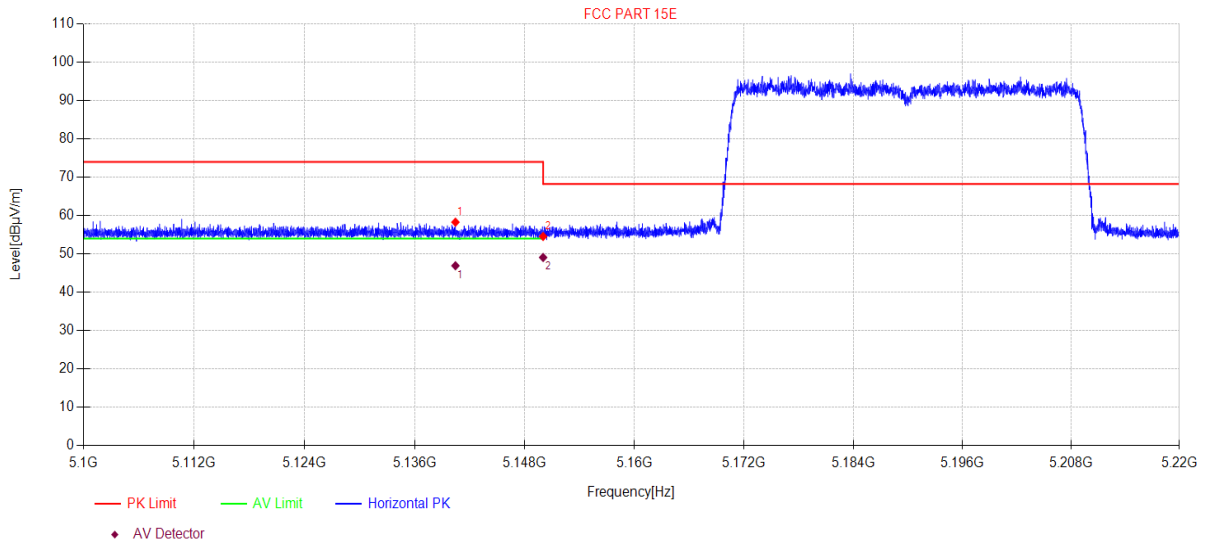
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\39
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5140.43	49.35	33.40	5.58	-30.06	58.27	74.00	15.73	PK	Horizontal
2	5150.00	45.62	33.40	5.59	-30.06	54.55	68.20	13.65	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5140.43	38.00	33.40	5.58	-30.06	46.92	54.00	7.08	AV	Horizontal
2	5150.00	40.15	33.40	5.59	-30.06	49.08	54.00	4.92	AV	Horizontal

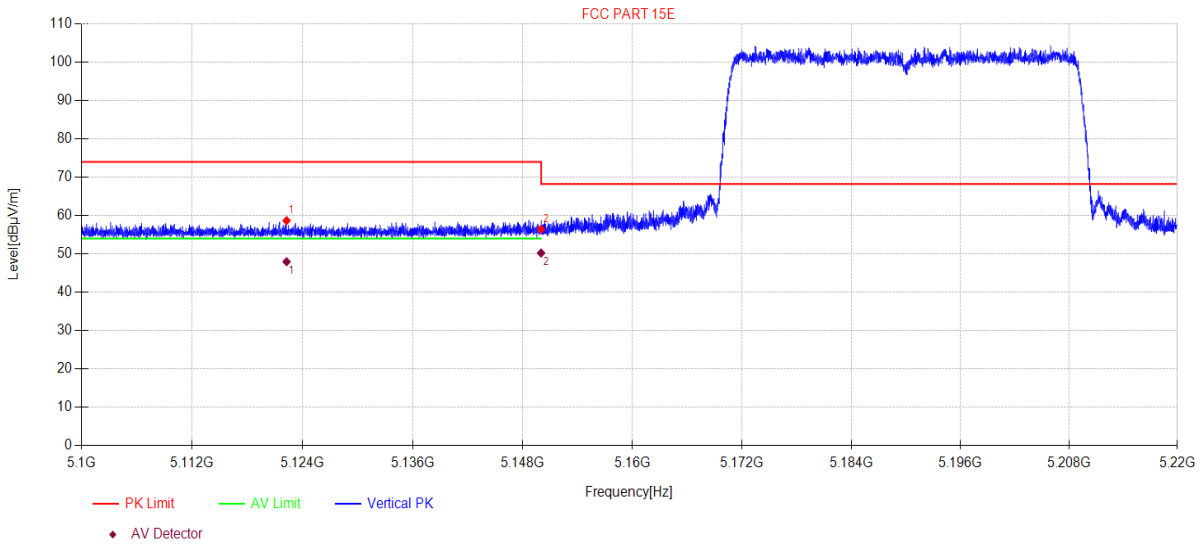
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI40
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5122.26	49.77	33.40	5.57	-30.06	58.68	74.00	15.32	PK	Vertical
2	5150.00	47.50	33.40	5.59	-30.06	56.43	68.20	11.77	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5122.26	39.06	33.40	5.57	-30.06	47.97	54.00	6.03	AV	Vertical
2	5150.00	41.30	33.40	5.59	-30.06	50.23	54.00	3.77	AV	Vertical

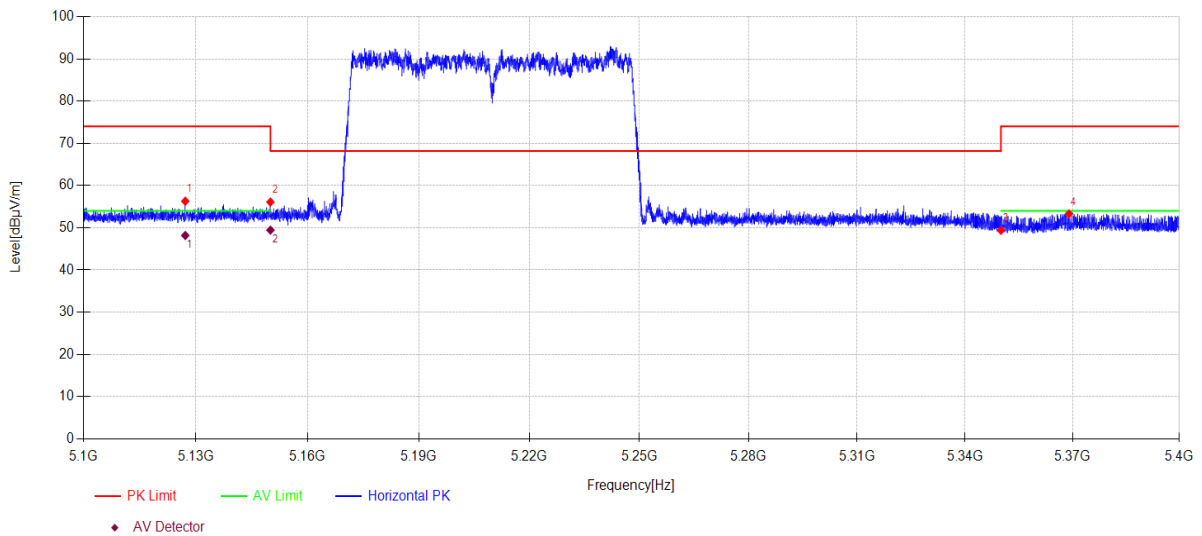
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC80MIMO TX 5210MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\41
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5127.180	47.38	33.40	5.57	-30.06	56.29	74.00	17.71	PK	Horizontal
2	5150.000	47.16	33.40	5.59	-30.06	56.09	68.20	12.11	PK	Horizontal
3	5350.000	40.61	33.10	5.69	-30.03	49.37	74.00	24.63	PK	Horizontal
4	5369.010	44.53	33.10	5.69	-30.03	53.29	74.00	20.71	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5127.180	39.26	33.40	5.57	-30.06	48.17	54.00	5.83	AV	Horizontal
2	5150.000	40.51	33.40	5.59	-30.06	49.44	54.00	4.56	AV	Horizontal

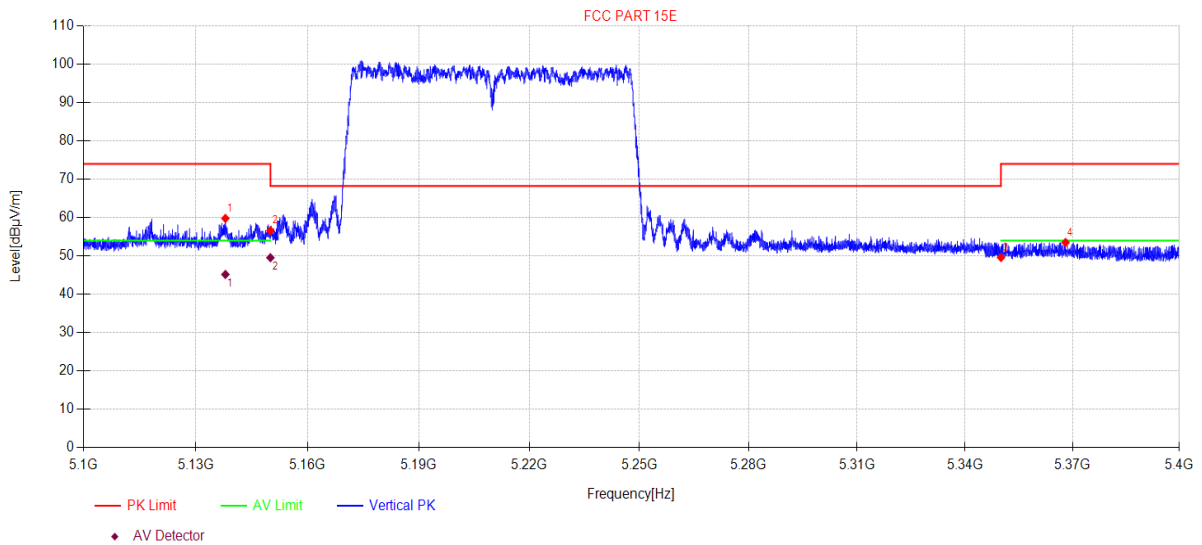
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC80MIMO TX 5210MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI42
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5137.92	50.86	33.40	5.58	-30.06	59.78	74.00	14.22	PK	Vertical
2	5150.00	47.65	33.40	5.59	-30.06	56.58	68.20	11.62	PK	Vertical
3	5350.00	40.82	33.10	5.69	-30.03	49.58	74.00	24.42	PK	Vertical
4	5368.05	44.75	33.10	5.69	-30.03	53.51	74.00	20.49	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5137.92	36.25	33.40	5.58	-30.06	45.17	54.00	8.83	AV	Vertical
2	5150.00	40.61	33.40	5.59	-30.06	49.54	54.00	4.46	AV	Vertical

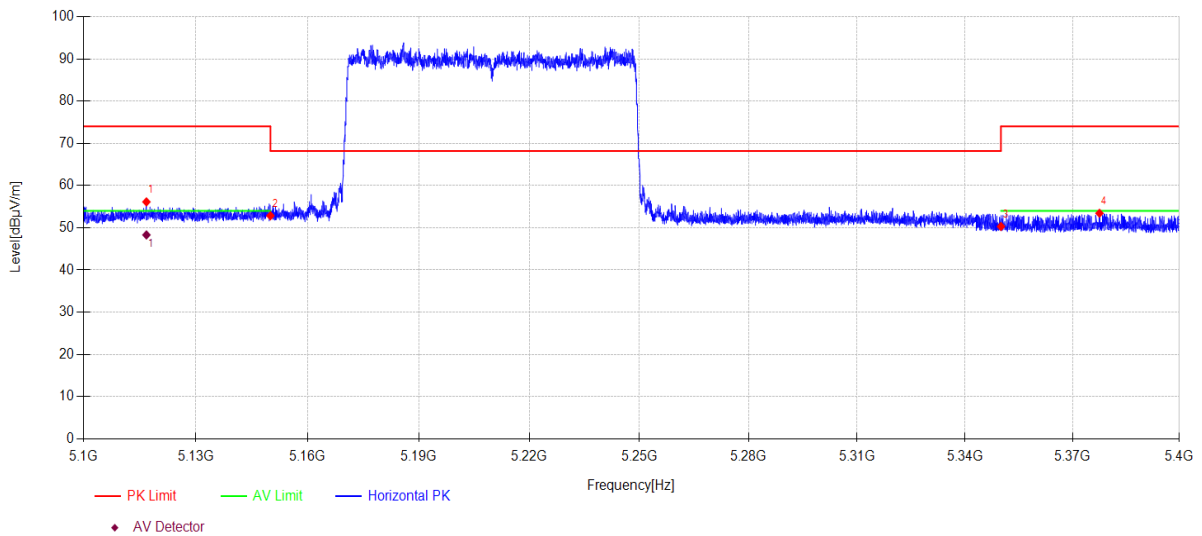
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX80MIMO TX 5210MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\43
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5116.800	47.22	33.40	5.57	-30.06	56.13	74.00	17.87	PK	Horizontal
2	5150.000	43.90	33.40	5.59	-30.06	52.83	68.20	15.37	PK	Horizontal
3	5350.000	41.53	33.10	5.69	-30.03	50.29	74.00	23.71	PK	Horizontal
4	5377.560	44.66	33.10	5.70	-30.03	53.43	74.00	20.57	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5116.800	39.39	33.40	5.57	-30.06	48.30	54.00	5.70	AV	Horizontal

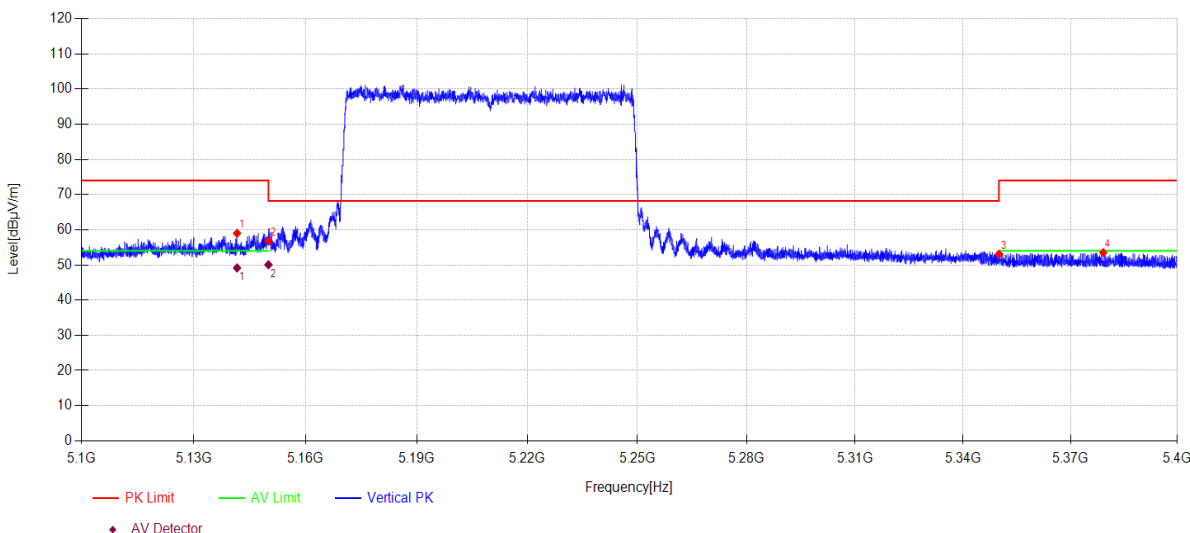
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX80MIMO TX 5210MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\44
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5141.580	50.08	33.40	5.58	-30.06	59.00	74.00	15.00	PK	Vertical
2	5150.000	47.83	33.40	5.59	-30.06	56.76	68.20	11.44	PK	Vertical
3	5350.000	44.28	33.10	5.69	-30.03	53.04	74.00	20.96	PK	Vertical
4	5379.180	44.73	33.10	5.70	-30.03	53.50	74.00	20.50	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5141.580	40.21	33.40	5.58	-30.06	49.13	54.00	4.87	AV	Vertical
2	5150.000	41.12	33.40	5.59	-30.06	50.05	54.00	3.95	AV	Vertical

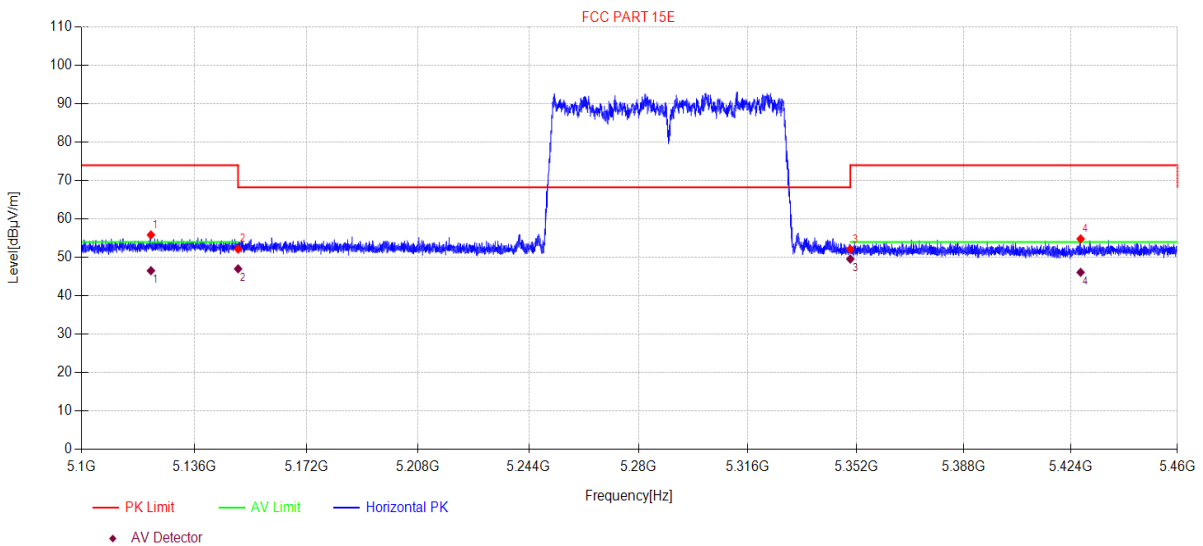
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC80MIMO TX 5290MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI45
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5122.14	46.95	33.40	5.57	-30.06	55.86	74.00	18.14	PK	Horizontal
2	5150.00	43.24	33.40	5.59	-30.06	52.17	68.20	16.03	PK	Horizontal
3	5350.00	43.36	33.10	5.69	-30.03	52.12	74.00	21.88	PK	Horizontal
4	5427.24	46.07	33.05	5.72	-30.02	54.82	74.00	19.18	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5122.14	37.63	33.40	5.57	-30.06	46.54	54.00	7.46	AV	Horizontal
2	5150.00	38.09	33.40	5.59	-30.06	47.02	54.00	6.98	AV	Horizontal
3	5350.00	40.82	33.10	5.69	-30.03	49.58	54.00	4.42	AV	Horizontal
4	5427.24	37.36	33.05	5.72	-30.02	46.11	54.00	7.89	AV	Horizontal

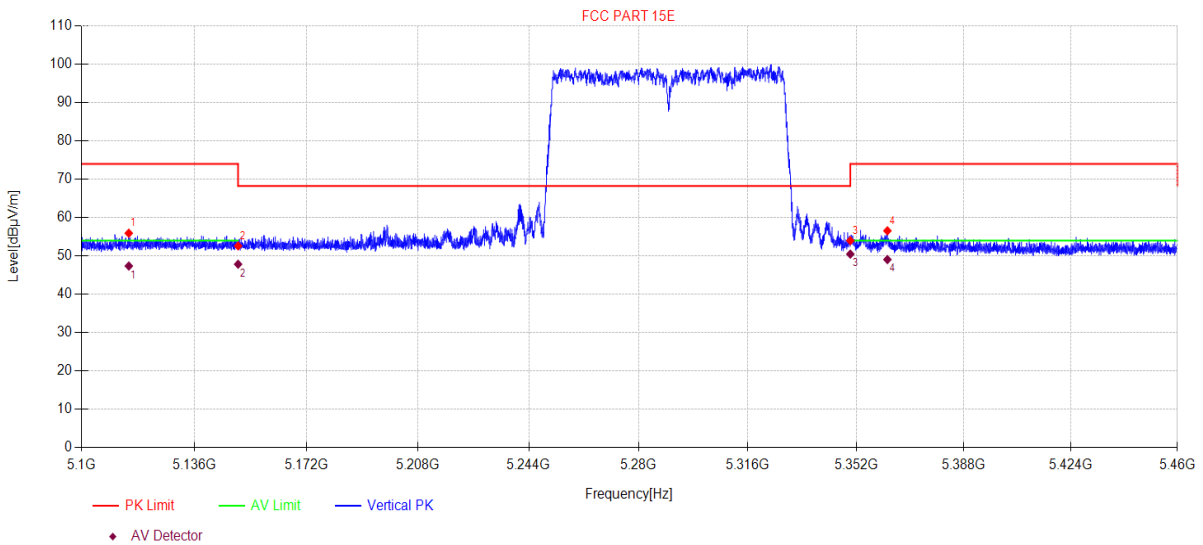
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC80MIMO TX 5290MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI46
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5115.08	47.02	33.40	5.57	-30.07	55.92	74.00	18.08	PK	Vertical
2	5150.00	43.67	33.40	5.59	-30.06	52.60	68.20	15.60	PK	Vertical
3	5350.00	45.21	33.10	5.69	-30.03	53.97	74.00	20.03	PK	Vertical
4	5362.37	47.79	33.10	5.69	-30.03	56.55	74.00	17.45	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5115.08	38.47	33.40	5.57	-30.07	47.37	54.00	6.63	AV	Vertical
2	5150.00	38.91	33.40	5.59	-30.06	47.84	54.00	6.16	AV	Vertical
3	5350.00	41.71	33.10	5.69	-30.03	50.47	54.00	3.53	AV	Vertical
4	5362.37	40.30	33.10	5.69	-30.03	49.06	54.00	4.94	AV	Vertical

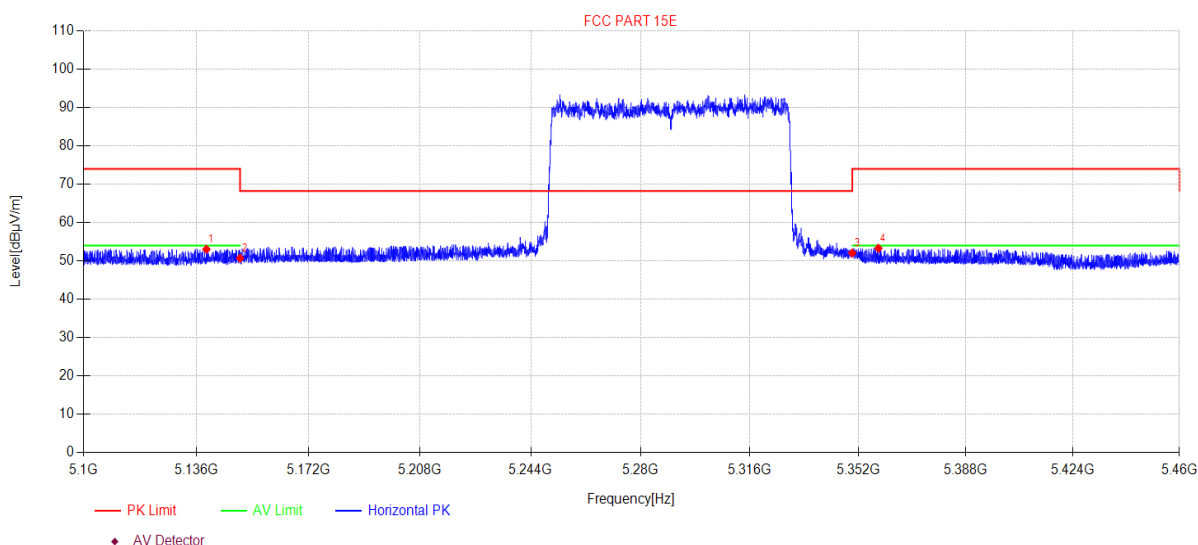
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX80MIMO TX 5290MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI47
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5139.20	44.13	33.40	5.58	-30.06	53.05	74.00	20.95	PK	Horizontal
2	5150.00	41.78	33.40	5.59	-30.06	50.71	68.20	17.49	PK	Horizontal
3	5350.00	43.32	33.10	5.69	-30.03	52.08	74.00	21.92	PK	Horizontal
4	5358.70	44.54	33.10	5.69	-30.03	53.30	74.00	20.70	PK	Horizontal

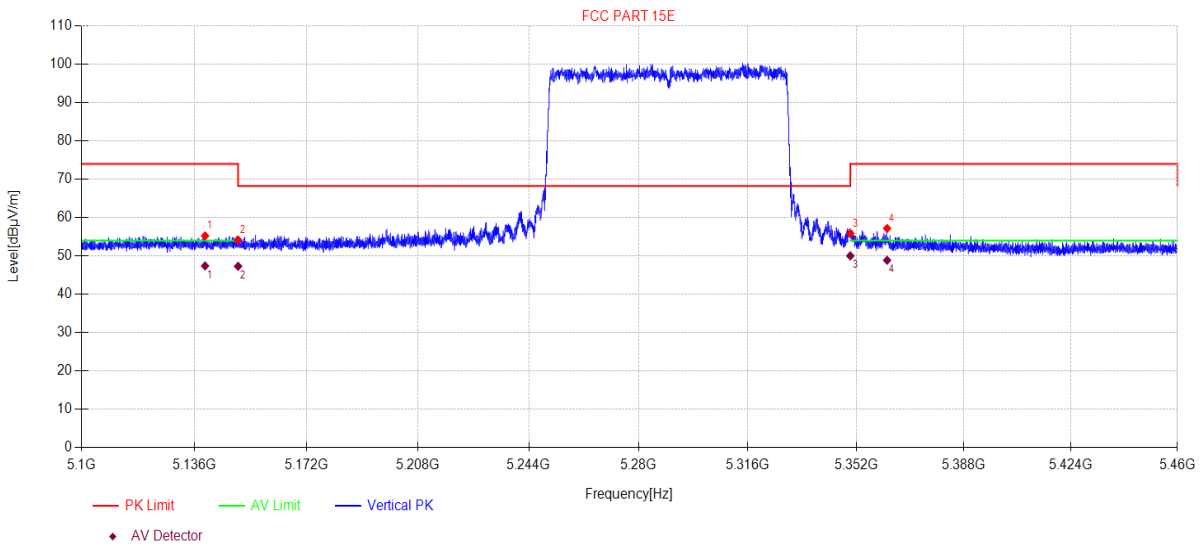
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX80MIMO TX 5290MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI48
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5139.42	46.30	33.40	5.58	-30.06	55.22	74.00	18.78	PK	Vertical
2	5150.00	45.22	33.40	5.59	-30.06	54.15	68.20	14.05	PK	Vertical
3	5350.00	47.09	33.10	5.69	-30.03	55.85	74.00	18.15	PK	Vertical
4	5362.26	48.41	33.10	5.69	-30.03	57.17	74.00	16.83	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5139.42	38.47	33.40	5.58	-30.06	47.39	54.00	6.61	AV	Vertical
2	5150.00	38.36	33.40	5.59	-30.06	47.29	54.00	6.71	AV	Vertical
3	5350.00	41.25	33.10	5.69	-30.03	50.01	54.00	3.99	AV	Vertical
4	5362.26	40.11	33.10	5.69	-30.03	48.87	54.00	5.13	AV	Vertical

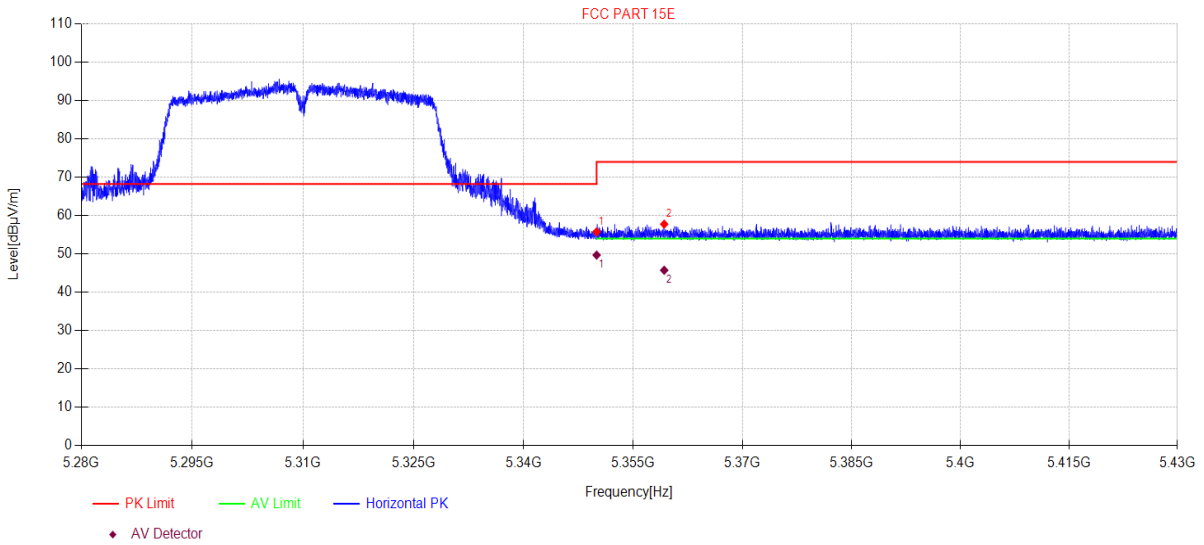
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI49
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	46.99	33.10	5.69	-30.03	55.75	74.00	18.25	PK	Horizontal
2	5359.25	48.99	33.10	5.69	-30.03	57.75	74.00	16.25	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	40.93	33.10	5.69	-30.03	49.69	54.00	4.31	AV	Horizontal
2	5359.25	36.99	33.10	5.69	-30.03	45.75	54.00	8.25	AV	Horizontal

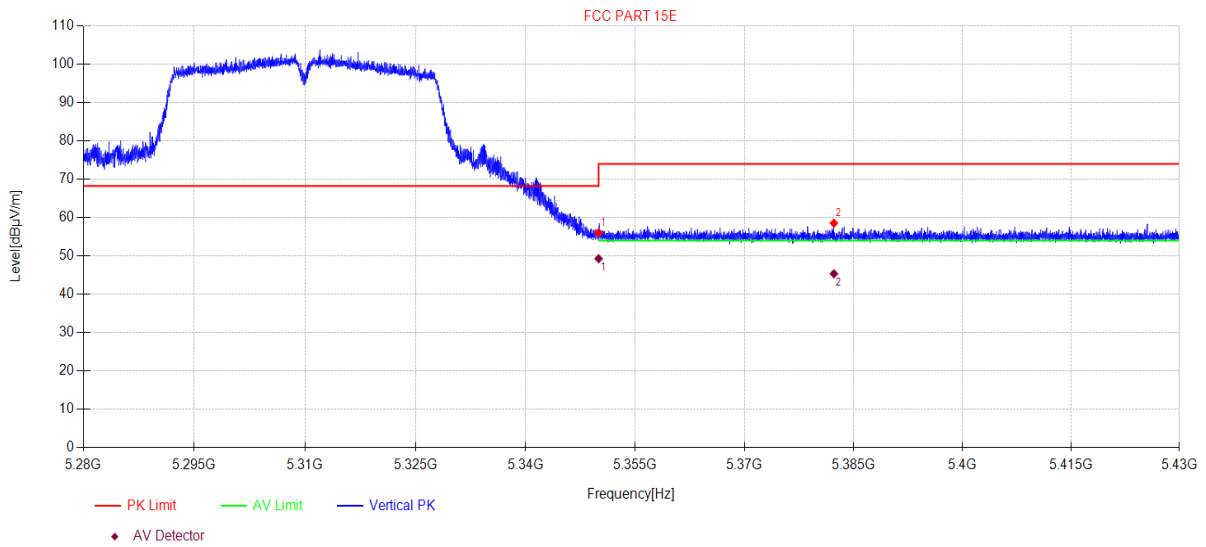
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\50
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	47.24	33.10	5.69	-30.03	56.00	74.00	18.00	PK	Vertical
2	5382.27	49.76	33.10	5.70	-30.03	58.53	74.00	15.47	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	40.52	33.10	5.69	-30.03	49.28	54.00	4.72	AV	Vertical
2	5382.27	36.58	33.10	5.70	-30.03	45.35	54.00	8.65	AV	Vertical

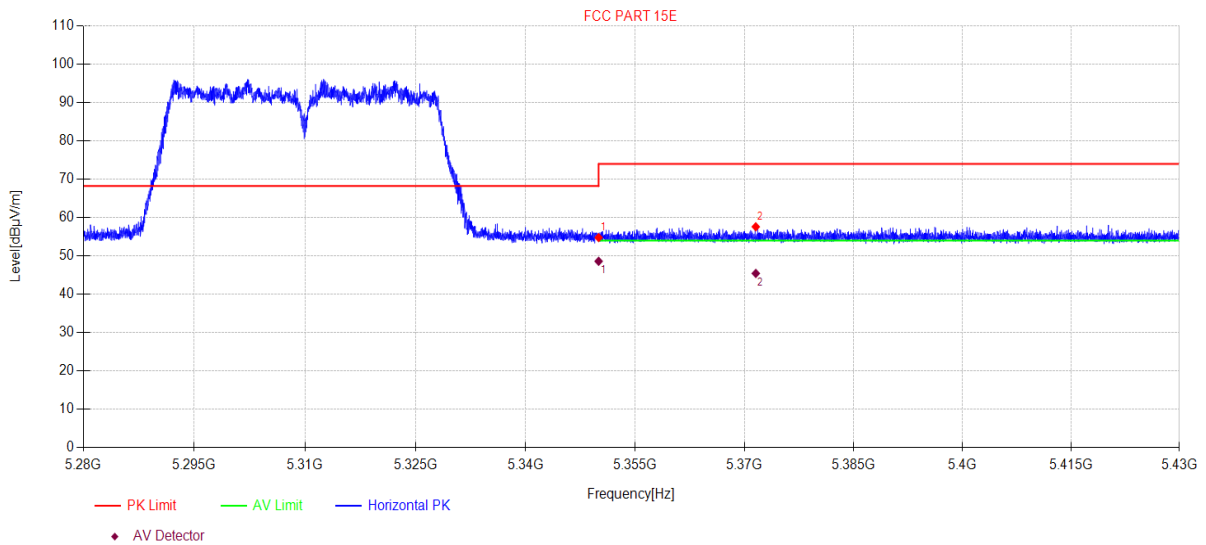
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\51
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	46.01	33.10	5.69	-30.03	54.77	74.00	19.23	PK	Horizontal
2	5371.53	48.83	33.10	5.70	-30.03	57.60	74.00	16.40	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	39.84	33.10	5.69	-30.03	48.60	54.00	5.40	AV	Horizontal
2	5371.53	36.67	33.10	5.70	-30.03	45.44	54.00	8.56	AV	Horizontal

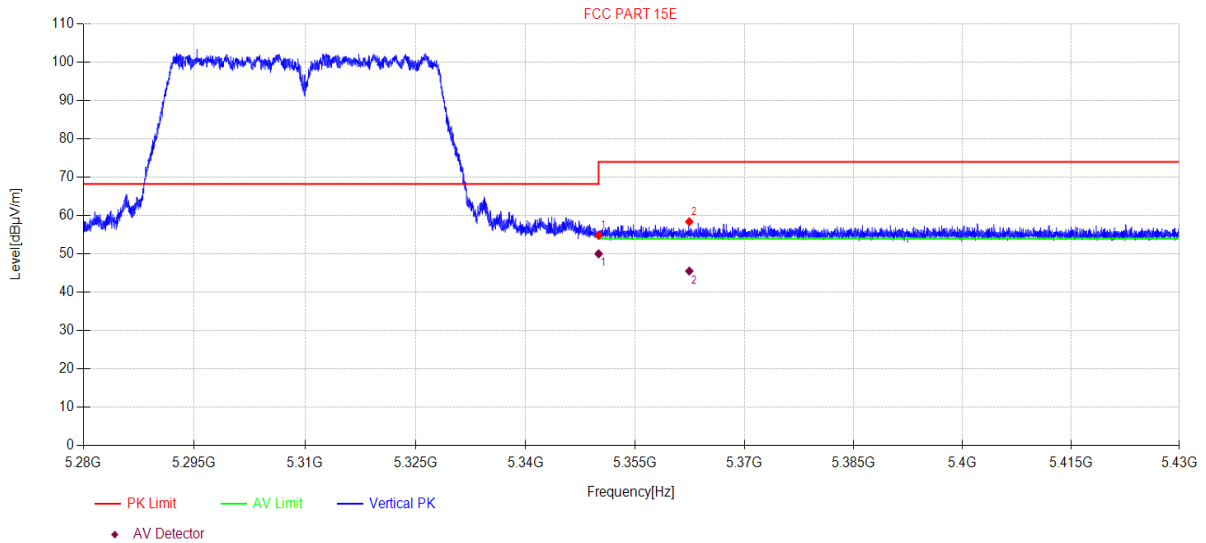
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\52
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	46.08	33.10	5.69	-30.03	54.84	74.00	19.16	PK	Vertical
2	5362.41	49.62	33.10	5.69	-30.03	58.38	74.00	15.62	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	41.27	33.10	5.69	-30.03	50.03	54.00	3.97	AV	Vertical
2	5362.41	36.77	33.10	5.69	-30.03	45.53	54.00	8.47	AV	Vertical

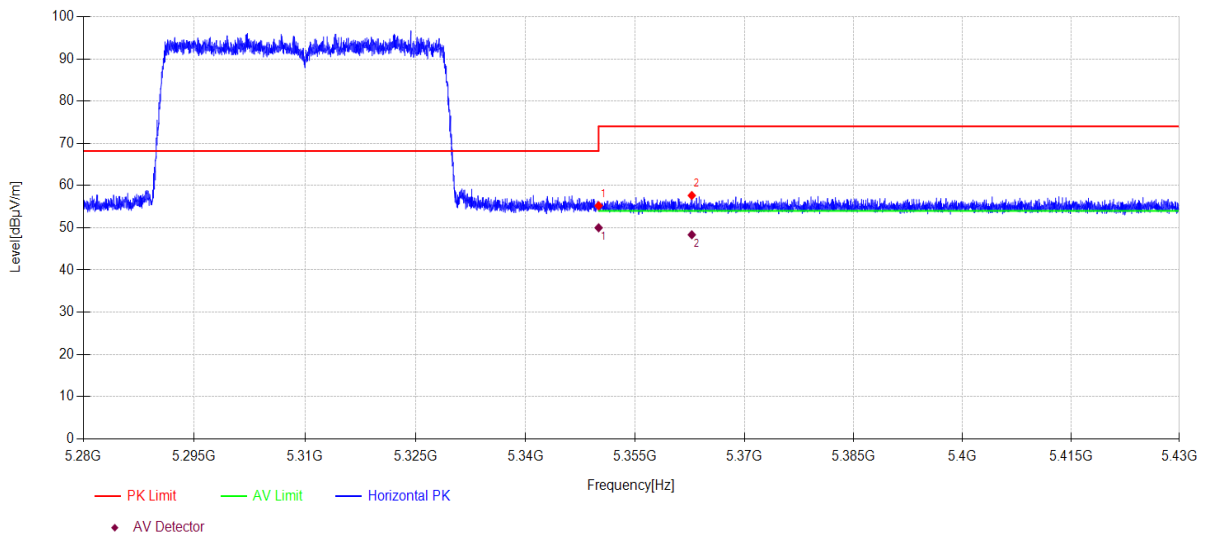
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\53
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.000	46.45	33.10	5.69	-30.03	55.21	74.00	18.79	PK	Horizontal
2	5362.755	48.88	33.10	5.69	-30.03	57.64	74.00	16.36	PK	Horizontal

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.23	33.10	5.69	-30.03	49.99	54.00	4.01	AV	Horizontal
2	5362.755	39.57	33.10	5.69	-30.03	48.33	54.00	5.67	AV	Horizontal

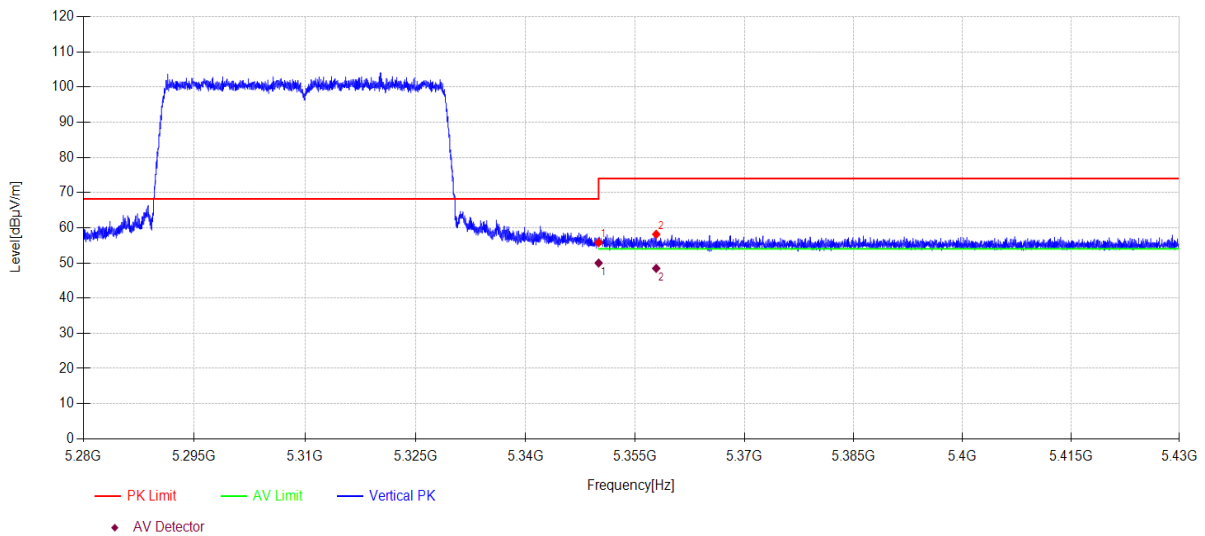
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\54
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.000	47.01	33.10	5.69	-30.03	55.77	74.00	18.23	PK	Vertical
2	5357.880	49.38	33.10	5.69	-30.03	58.14	74.00	15.86	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.000	41.2	33.10	5.69	-30.03	49.96	54.00	4.04	AV	Vertical
2	5357.880	39.68	33.10	5.69	-30.03	48.44	54.00	5.56	AV	Vertical

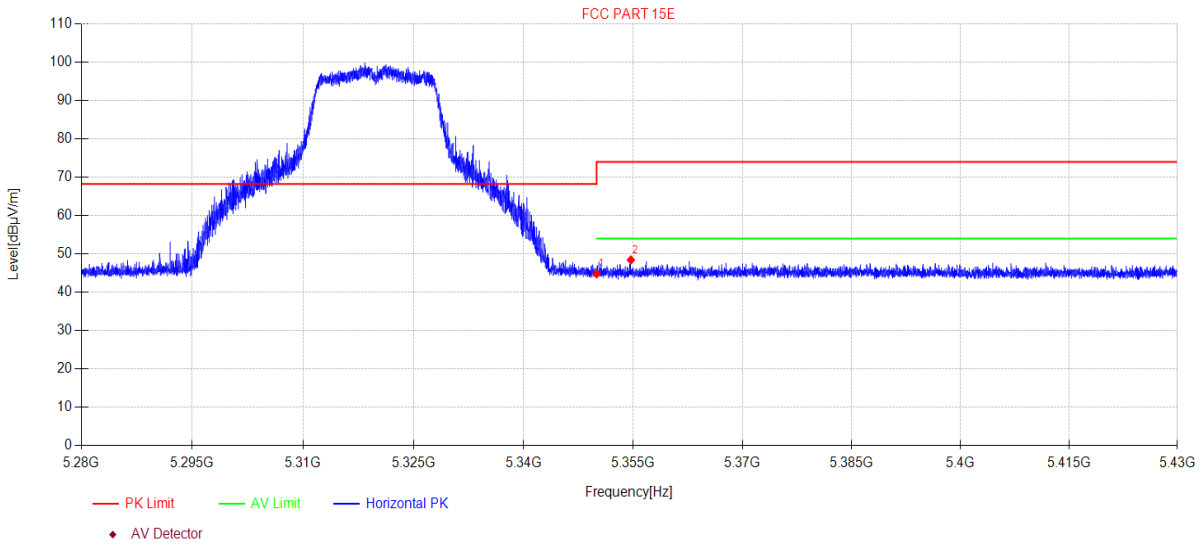
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\55
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	46.04	33.10	5.69	-40.03	44.80	74.00	29.20	PK	Horizontal
2	5354.69	49.67	33.10	5.69	-40.03	48.43	74.00	25.57	PK	Horizontal

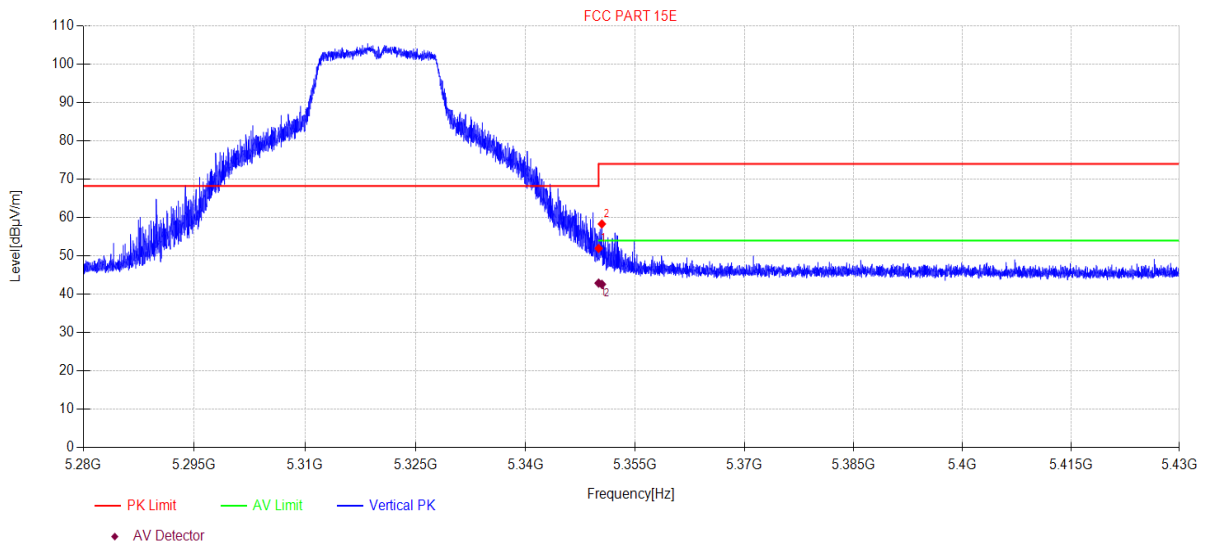
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\56
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	53.19	33.10	5.69	-40.03	51.95	74.00	22.05	PK	Vertical
2	5350.44	59.56	33.10	5.69	-40.03	58.32	74.00	15.68	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	44.16	33.10	5.69	-40.03	42.92	54.00	11.08	AV	Vertical
2	5350.44	43.85	33.10	5.69	-40.03	42.61	54.00	11.39	AV	Vertical

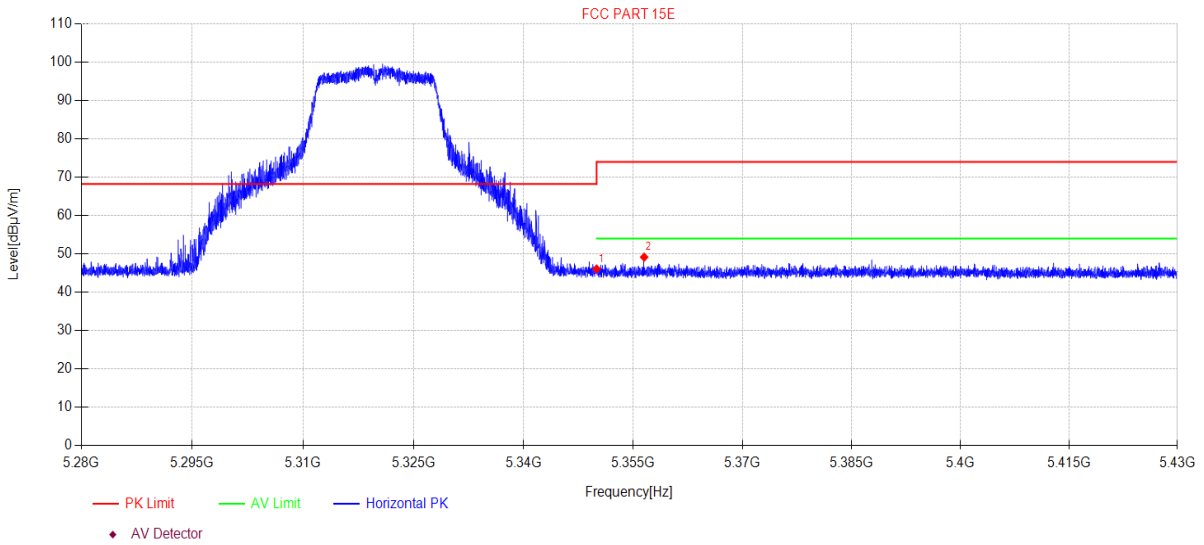
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\57
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	47.33	33.10	5.69	-40.03	46.09	74.00	27.91	PK	Horizontal
2	5356.50	50.40	33.10	5.69	-40.03	49.16	74.00	24.84	PK	Horizontal

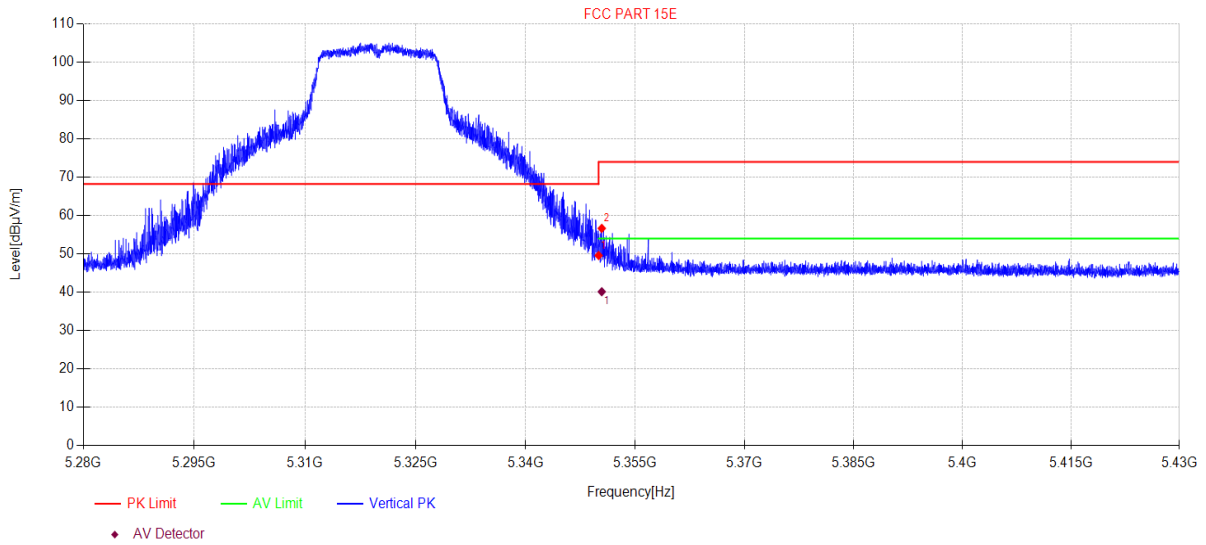
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\58
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	50.83	33.10	5.69	-40.03	49.59	74.00	24.41	PK	Vertical
2	5350.43	57.90	33.10	5.69	-40.03	56.66	74.00	17.34	PK	Vertical

Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.43	41.39	33.10	5.69	-40.03	40.15	54.00	13.85	AV	Vertical

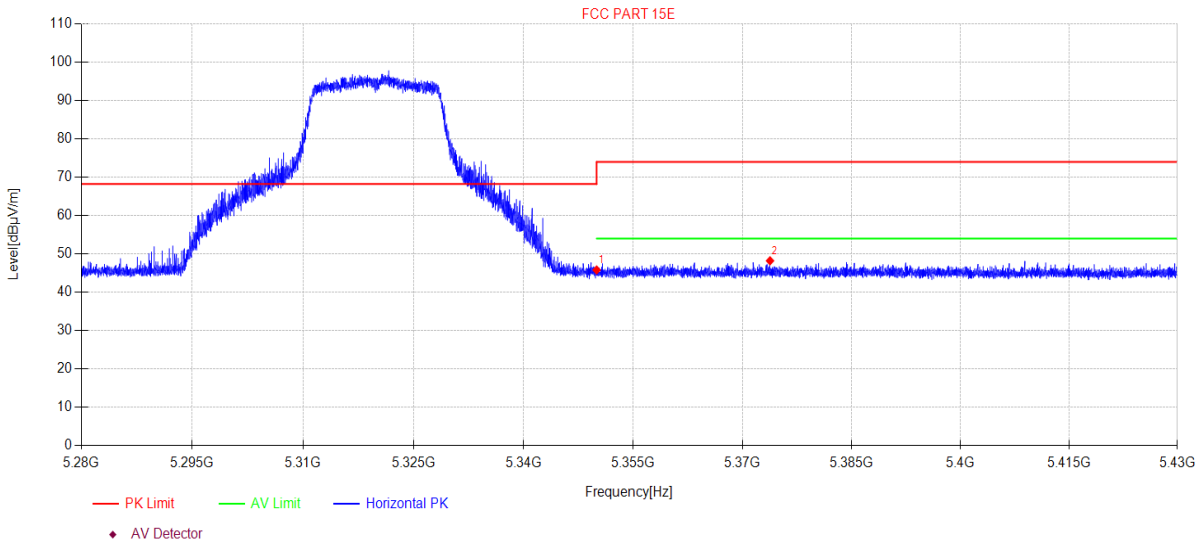
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\59
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	47.05	33.10	5.69	-40.03	45.81	74.00	28.19	PK	Horizontal
2	5373.77	49.44	33.10	5.70	-40.03	48.21	74.00	25.79	PK	Horizontal

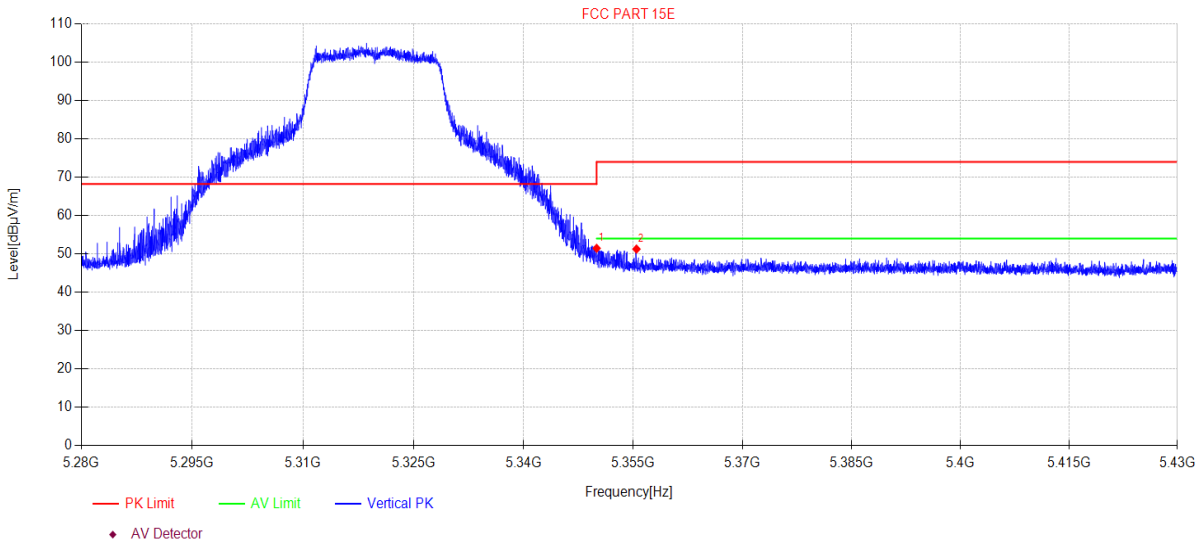
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\60
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	52.71	33.10	5.69	-40.03	51.47	74.00	22.53	PK	Vertical
2	5355.45	52.50	33.10	5.69	-40.03	51.26	74.00	22.74	PK	Vertical

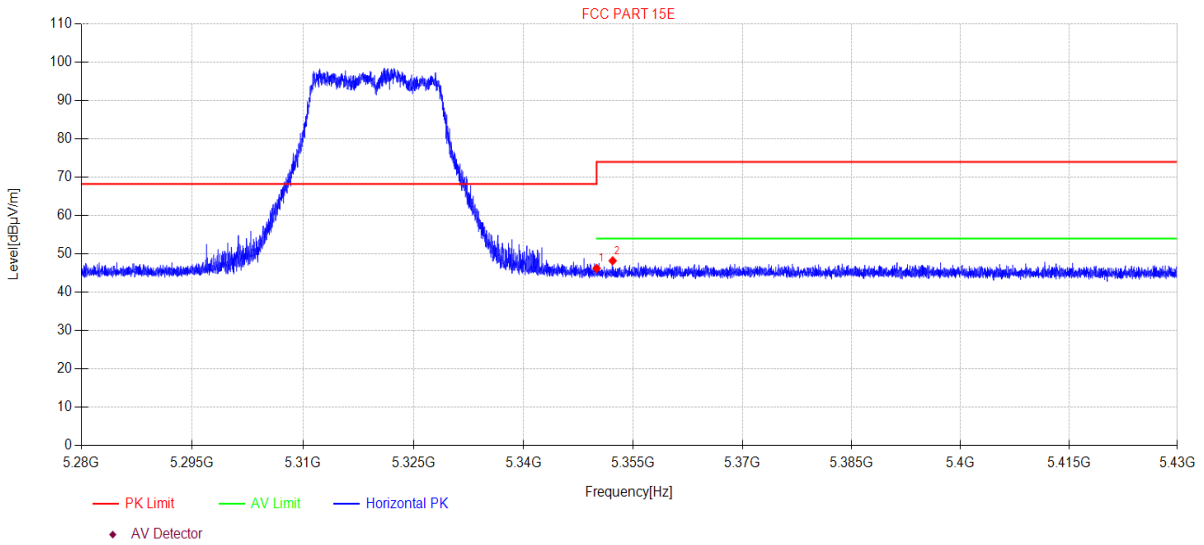
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\61
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	47.46	33.10	5.69	-40.03	46.22	74.00	27.78	PK	Horizontal
2	5352.20	49.44	33.10	5.69	-40.03	48.20	74.00	25.80	PK	Horizontal

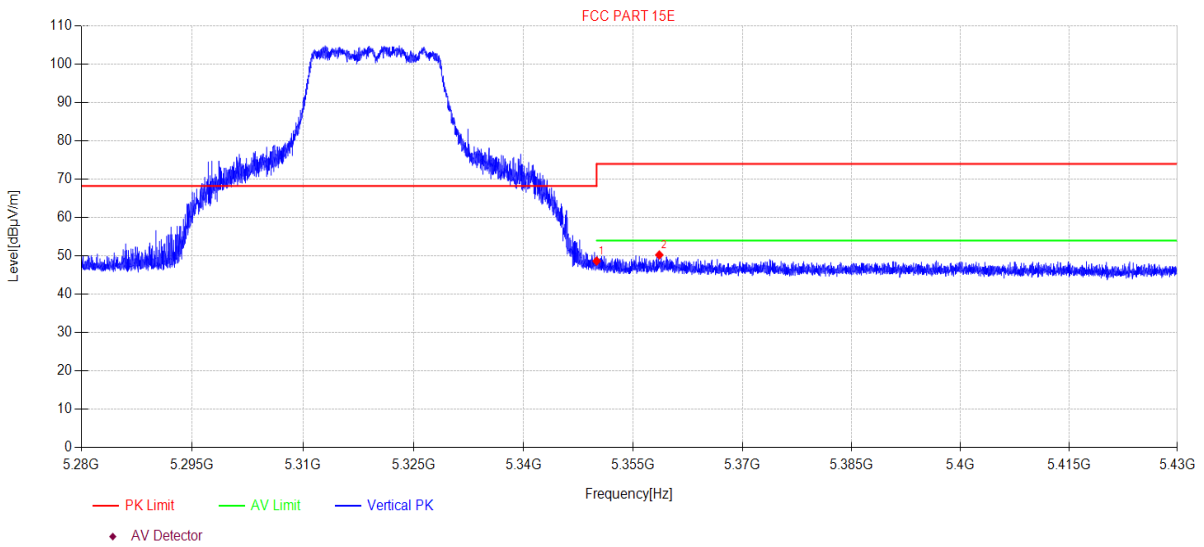
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AC20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\62
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	49.90	33.10	5.69	-40.03	48.66	74.00	25.34	PK	Vertical
2	5358.57	51.50	33.10	5.69	-40.03	50.26	74.00	23.74	PK	Vertical

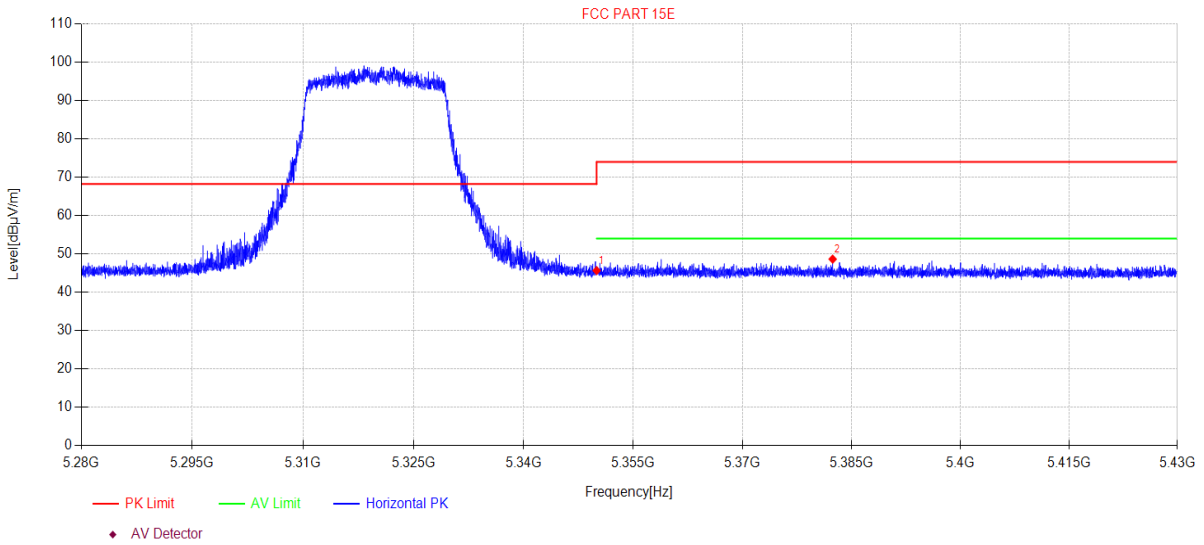
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\63
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	46.89	33.10	5.69	-40.03	45.65	74.00	28.35	PK	Horizontal
2	5382.38	49.87	33.10	5.70	-40.03	48.64	74.00	25.36	PK	Horizontal

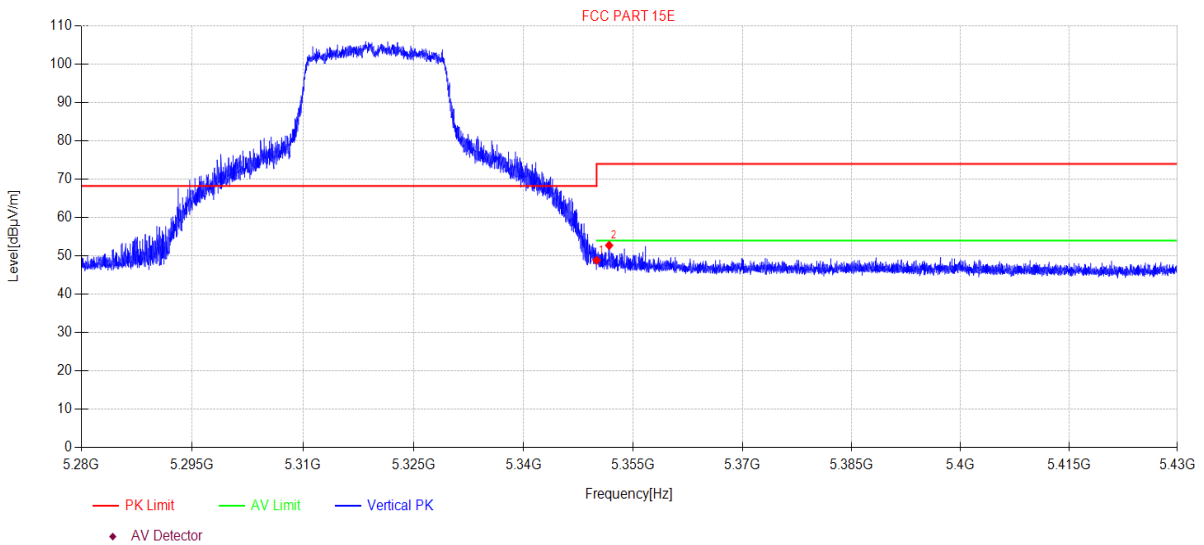
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11AX20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\64
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5350.00	50.09	33.10	5.69	-40.03	48.85	74.00	25.15	PK	Vertical
2	5351.72	53.99	33.10	5.69	-40.03	52.75	74.00	21.25	PK	Vertical

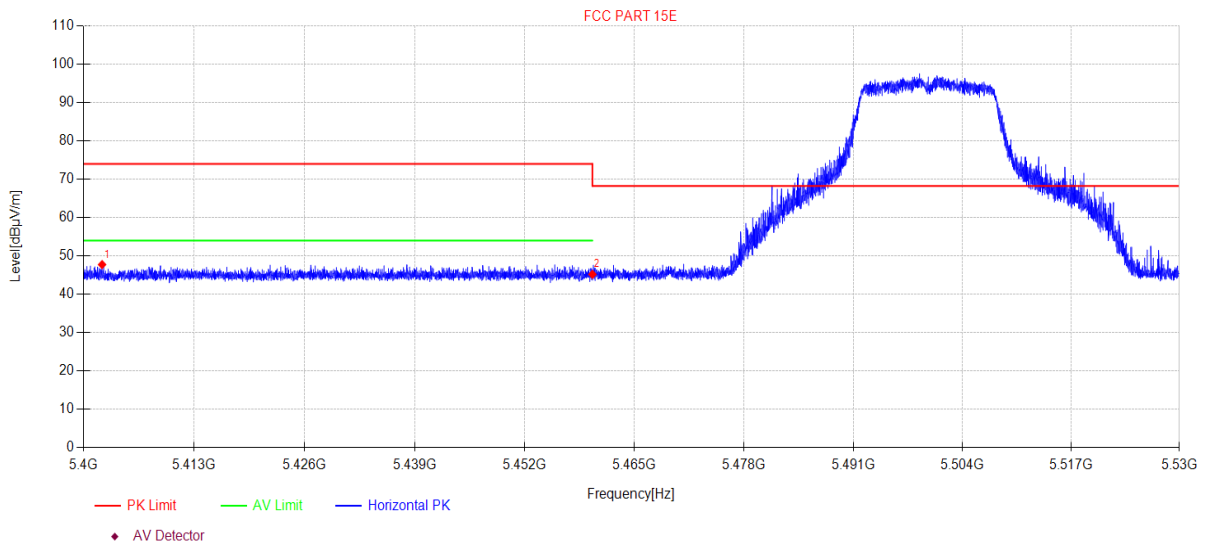
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\65
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5402.20	48.96	33.10	5.71	-40.03	47.74	74.00	26.26	PK	Horizontal
2	5460.00	46.48	33.00	5.74	-40.02	45.20	68.20	23.00	PK	Horizontal

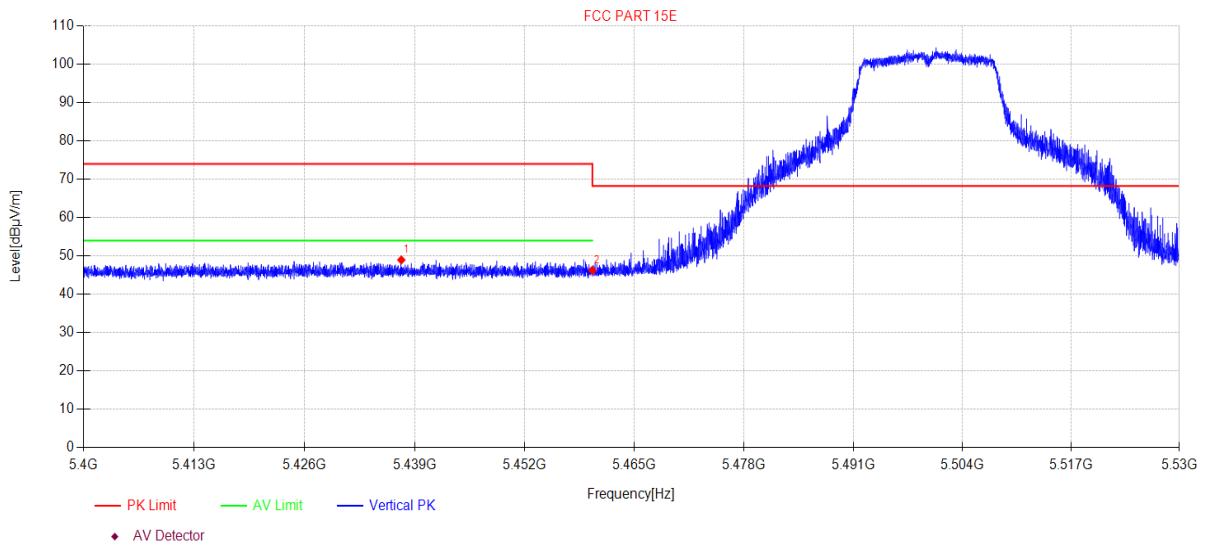
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT1 TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\66
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5437.40	50.21	33.03	5.73	-40.02	48.95	74.00	25.05	PK	Vertical
2	5460.00	47.53	33.00	5.74	-40.02	46.25	68.20	21.95	PK	Vertical

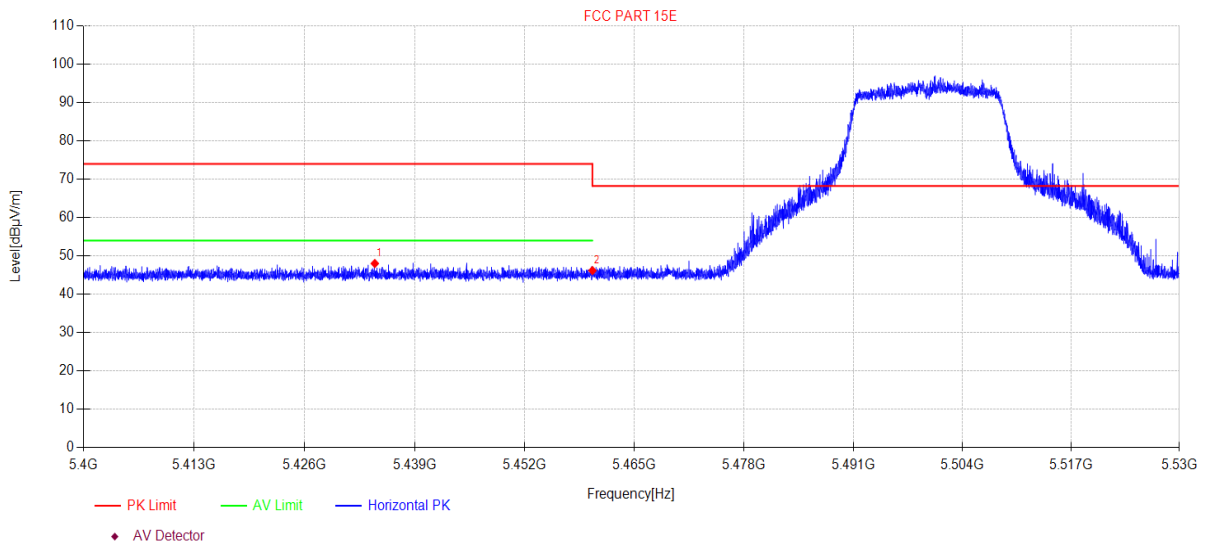
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\67
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5434.27	49.28	33.03	5.73	-40.02	48.02	74.00	25.98	PK	Horizontal
2	5460.00	47.47	33.00	5.74	-40.02	46.19	68.20	22.01	PK	Horizontal

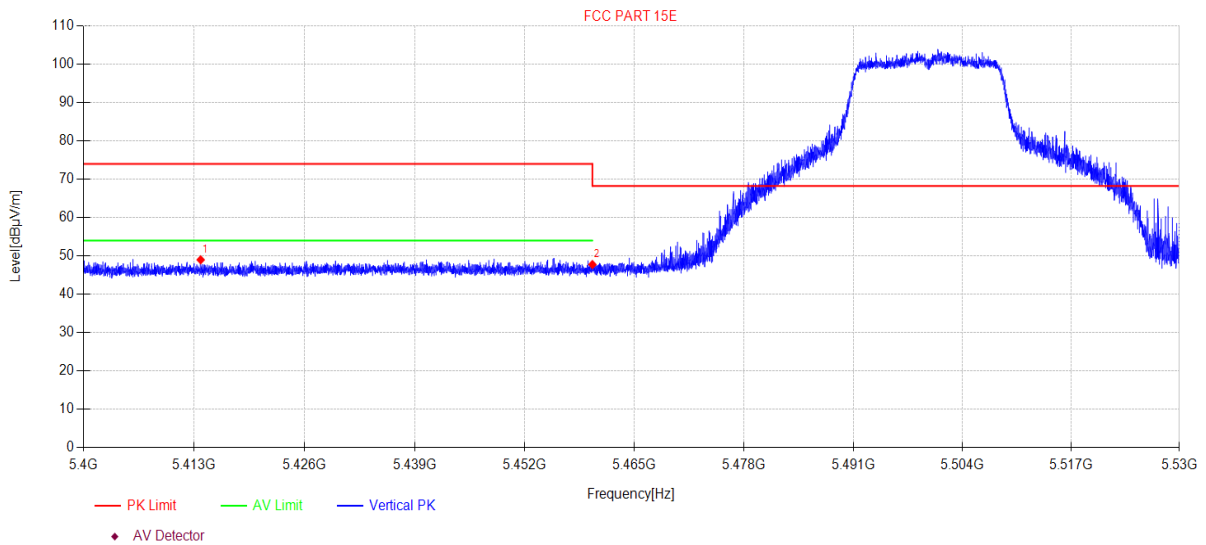
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11A ANT2 TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\68
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5413.77	50.23	33.07	5.72	-40.03	48.99	74.00	25.01	PK	Vertical
2	5460.00	49.03	33.00	5.74	-40.02	47.75	68.20	20.45	PK	Vertical

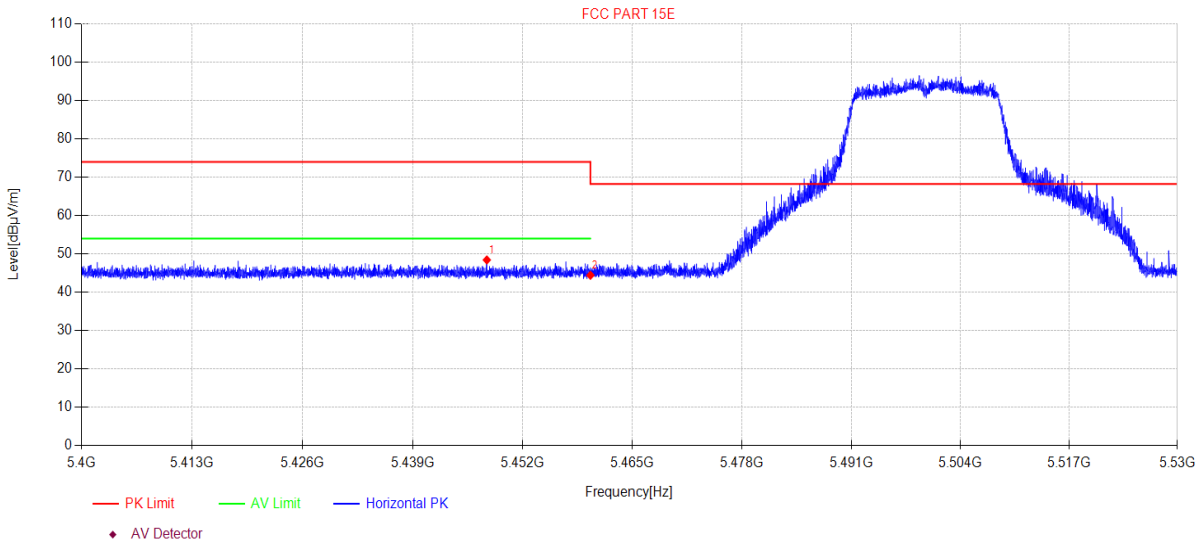
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-11-30 **Tested By:** Bairong
EUT: M6s Mesh Wi-Fi Router **Model Number:** MAAA1
Test Mode: 11N20MIMO TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111603-2E MAAA1\FCC ABOVE 1G 5GWIFI\69
Memo: Sample Number:S23111603-02 Power Setting:10

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5447.74	49.72	33.00	5.73	-40.02	48.43	74.00	25.57	PK	Horizontal
2	5460.00	45.71	33.00	5.74	-40.02	44.43	68.20	23.77	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.