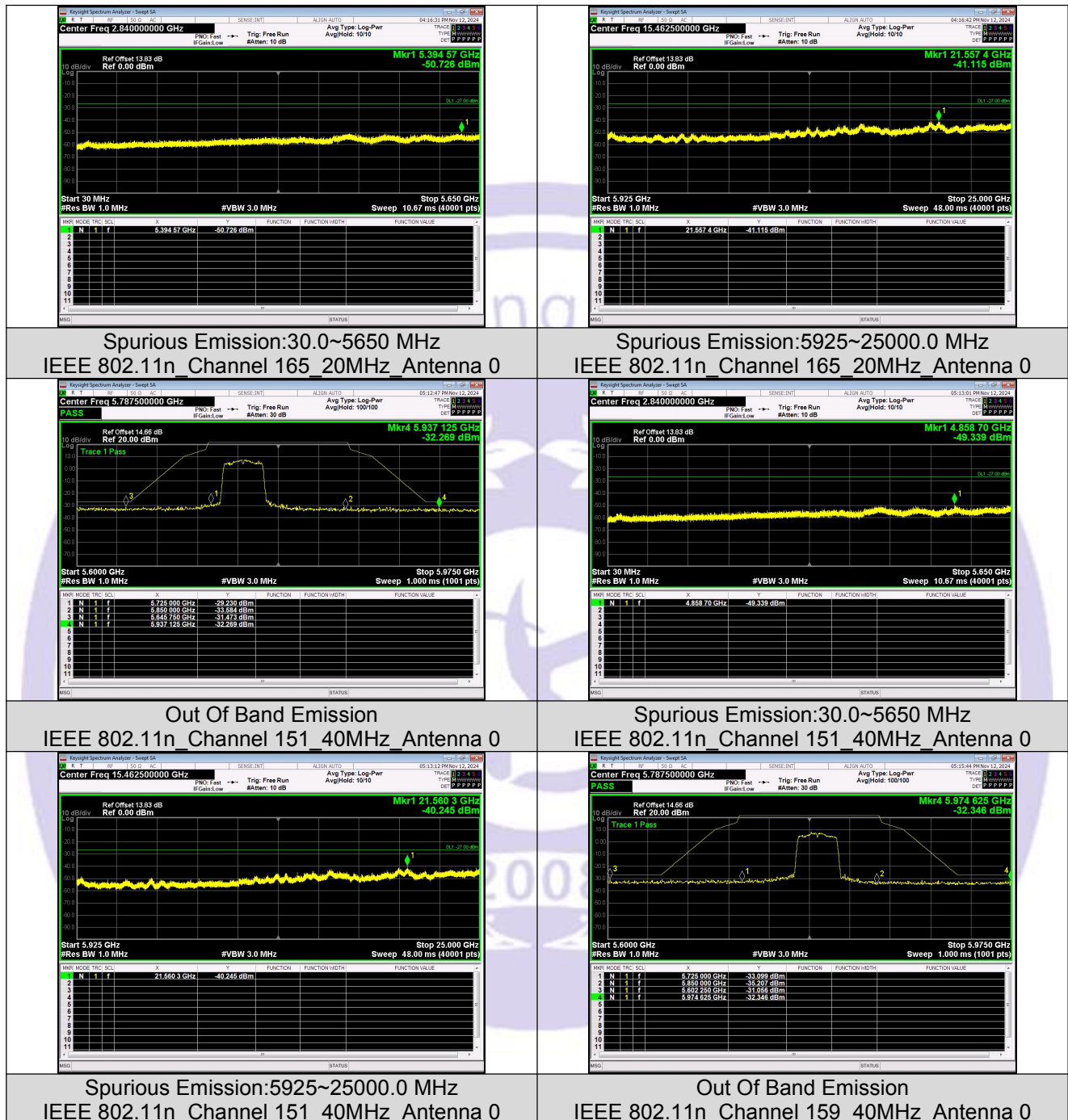
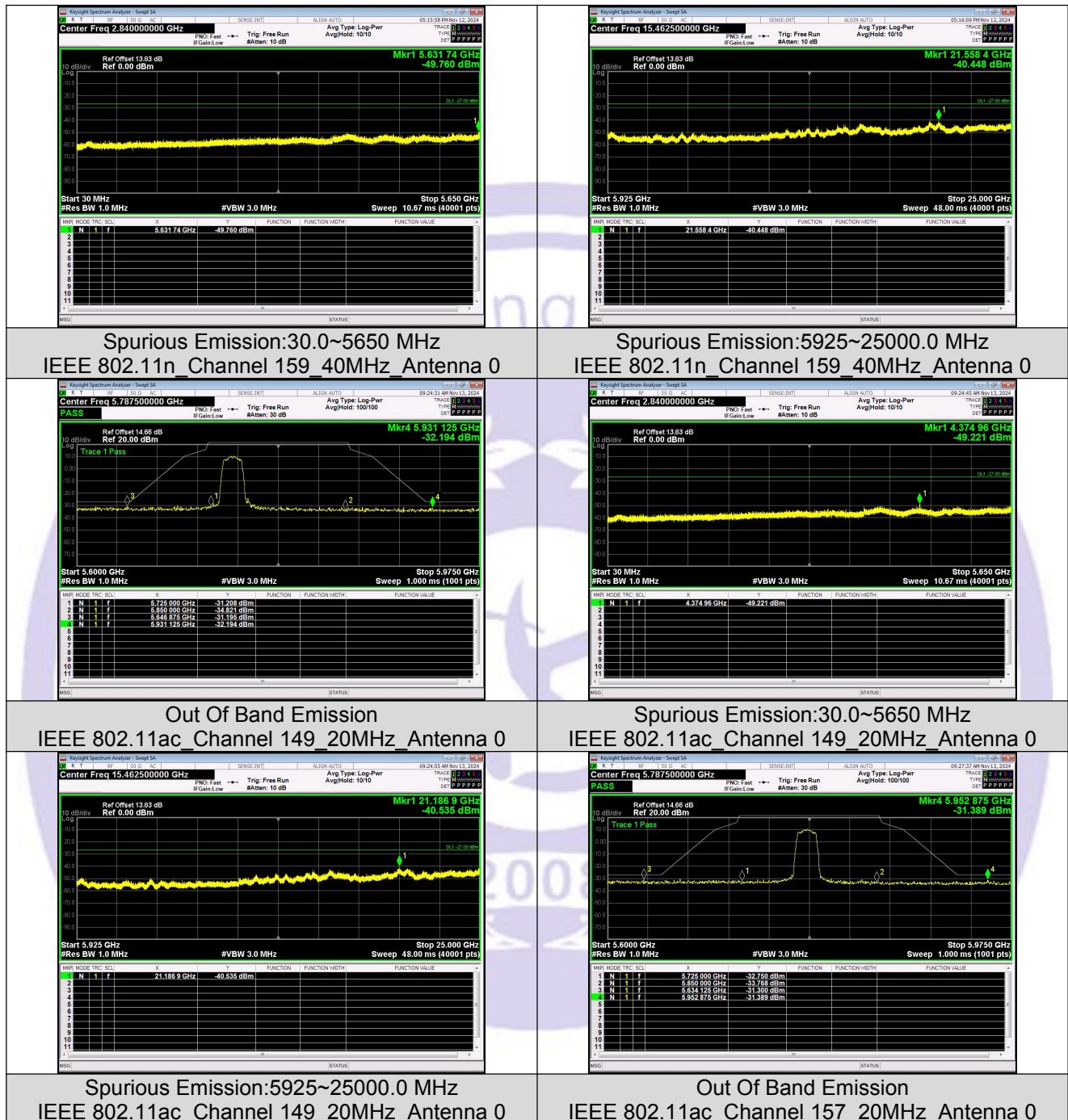
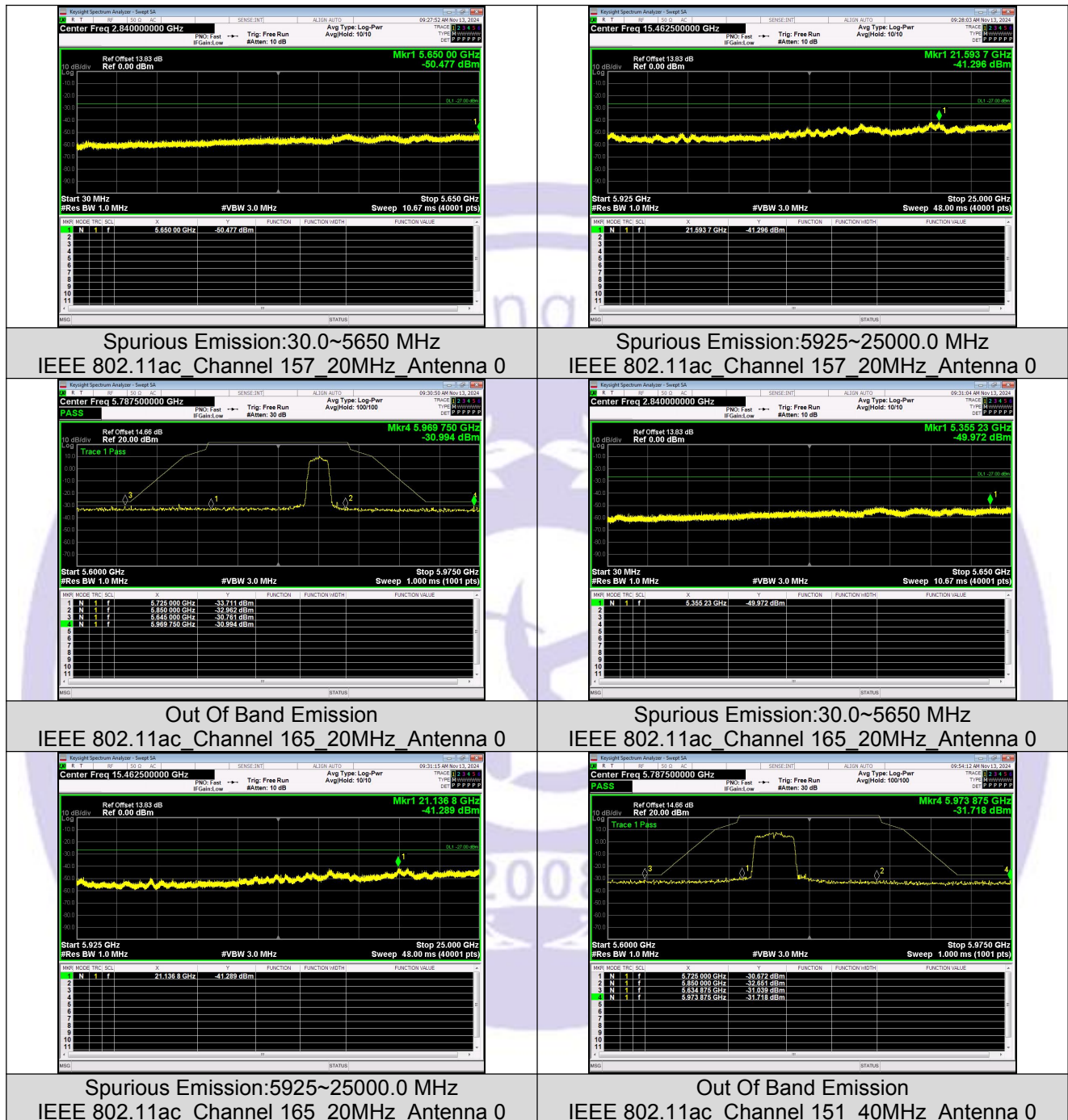
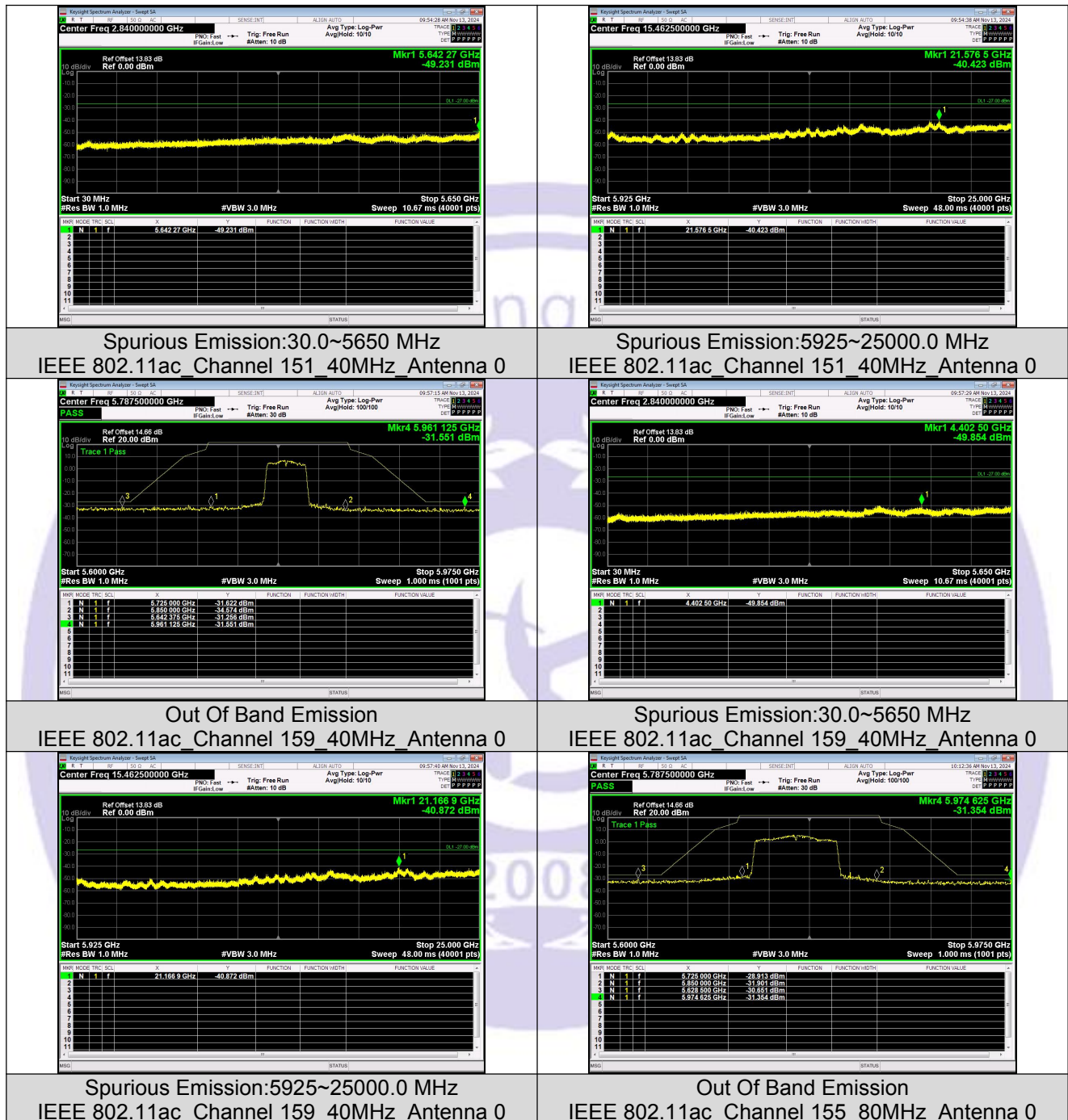
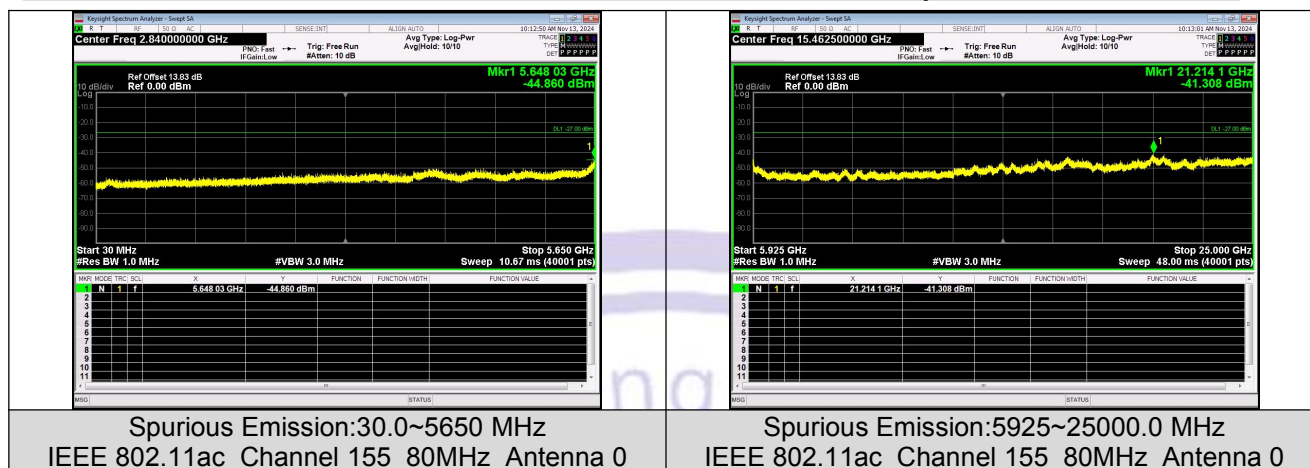












12 Frequency Stability Measurement

12.1 Test Standard and Limit

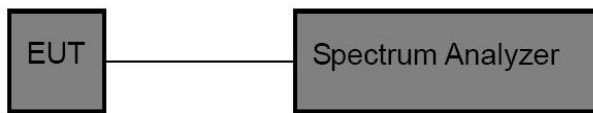
FCC

Manufactures 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.

IC

If the frequency stability of the licence-exempt radio apparatus is not specified in the applicable RSS, the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation. In addition, its occupied bandwidth shall be entirely outside the restricted bands and the prohibited TV bands of 54-72 MHz, 76-88 MHz, 174-216 MHz, and 470-602 MHz, unless otherwise indicated.

12.2 Test Setup



12.3 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 30 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. .
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is -20°C~50°C.

12.4 Test Data

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	0	5180.0	5180.018494	3.57	Within authorized band	PASS
		40		5200.0	5200.018144	3.49		PASS
		48		5240.0	5240.018632	3.56		PASS
		52		5260.0	5260.018382	3.49		PASS
		56		5280.0	5280.018494	3.5		PASS
		64		5320.0	5320.018782	3.53		PASS
		100		5500.0	5500.019594	3.56		PASS
		116		5580.0	5580.019832	3.55		PASS
		140		5700.0	5700.020044	3.52		PASS
	IEEE 802.11n_20	36		5180.0	5180.017819	3.44		PASS
		40		5200.0	5200.017982	3.46		PASS
		48		5240.0	5240.018307	3.49		PASS
		52		5260.0	5260.018194	3.46		PASS
		56		5280.0	5280.018319	3.47		PASS
		64		5320.0	5320.018382	3.46		PASS
		100		5500.0	5500.019419	3.53		PASS
		116		5580.0	5580.019657	3.52		PASS
		140		5700.0	5700.020094	3.53		PASS
	IEEE 802.11n_40	38		5190.0	5190.017194	3.31		PASS
		46		5230.0	5230.016582	3.17		PASS
		54		5270.0	5270.016782	3.18		PASS
		62		5310.0	5310.016819	3.17		PASS
		102		5510.0	5510.066845	12.13		PASS
		134		5670.0	5670.019894	3.51		PASS
	IEEE 802.11ac_20	36		5180.0	5180.017857	3.45		PASS
		40		5200.0	5200.018044	3.47		PASS
		48		5240.0	5239.902016	-18.7		PASS
		52		5260.0	5260.018694	3.55		PASS
		56		5280.0	5280.018482	3.5		PASS
		64		5320.0	5320.018432	3.46		PASS
		100		5500.0	5500.019294	3.51		PASS
		116		5580.0	5580.019857	3.56		PASS
		140		5700.0	5700.020082	3.52		PASS
	IEEE 802.11ac_40	38		5190.0	5190.018244	3.52		PASS
		46		5230.0	5230.018182	3.48		PASS
		54		5270.0	5270.018269	3.47		PASS
		62		5310.0	5310.018557	3.49		PASS
		102		5510.0	5510.019382	3.52		PASS
		134		5670.0	5670.020157	3.55		PASS
	IEEE 802.11ac_80	42		5210.0	5210.018657	3.58		PASS
		58		5290.0	5290.018907	3.57		PASS
		106		5530.0	5530.019782	3.58		PASS

Note: All modes have been tested, and this report only records the NT/NV worst data.

IEEE 802.11a

