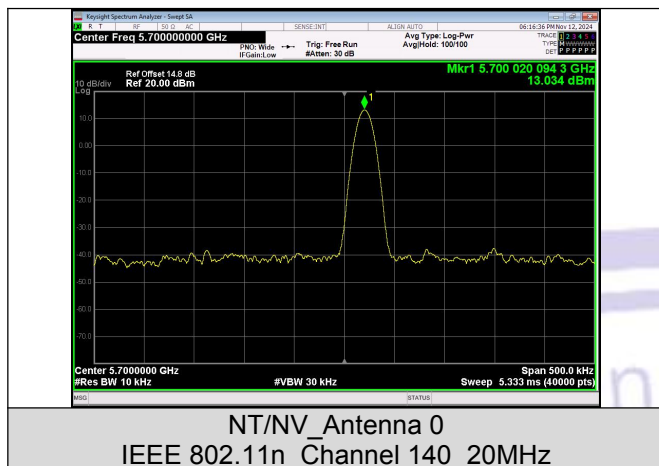
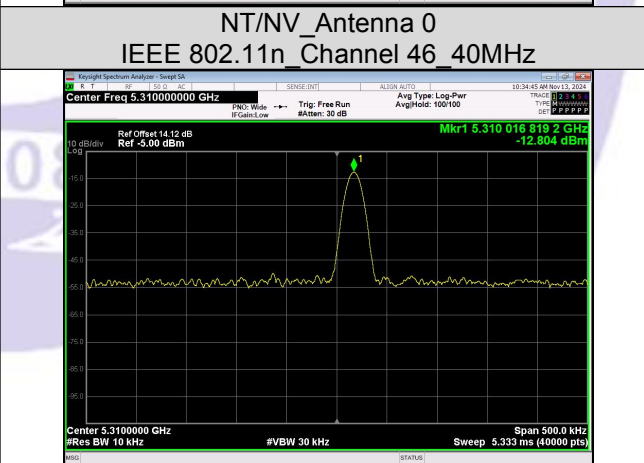
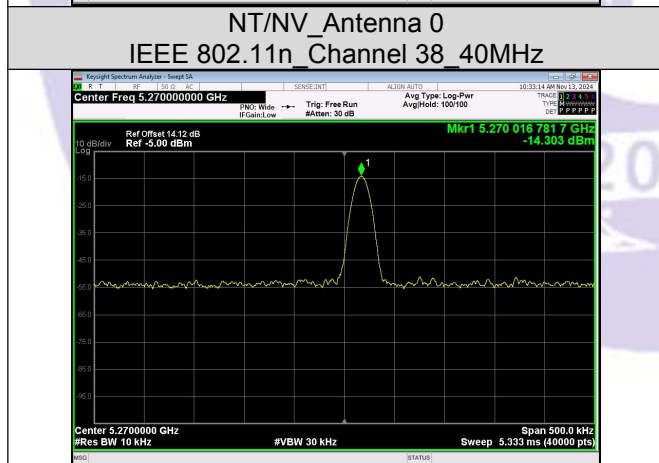
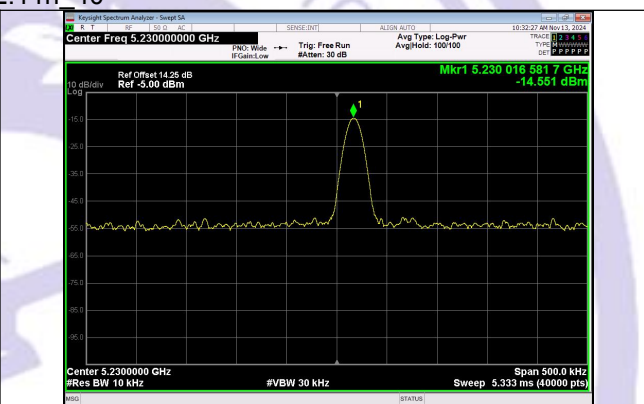
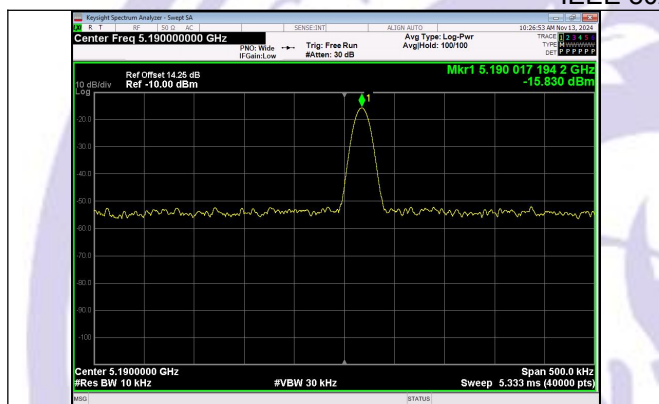
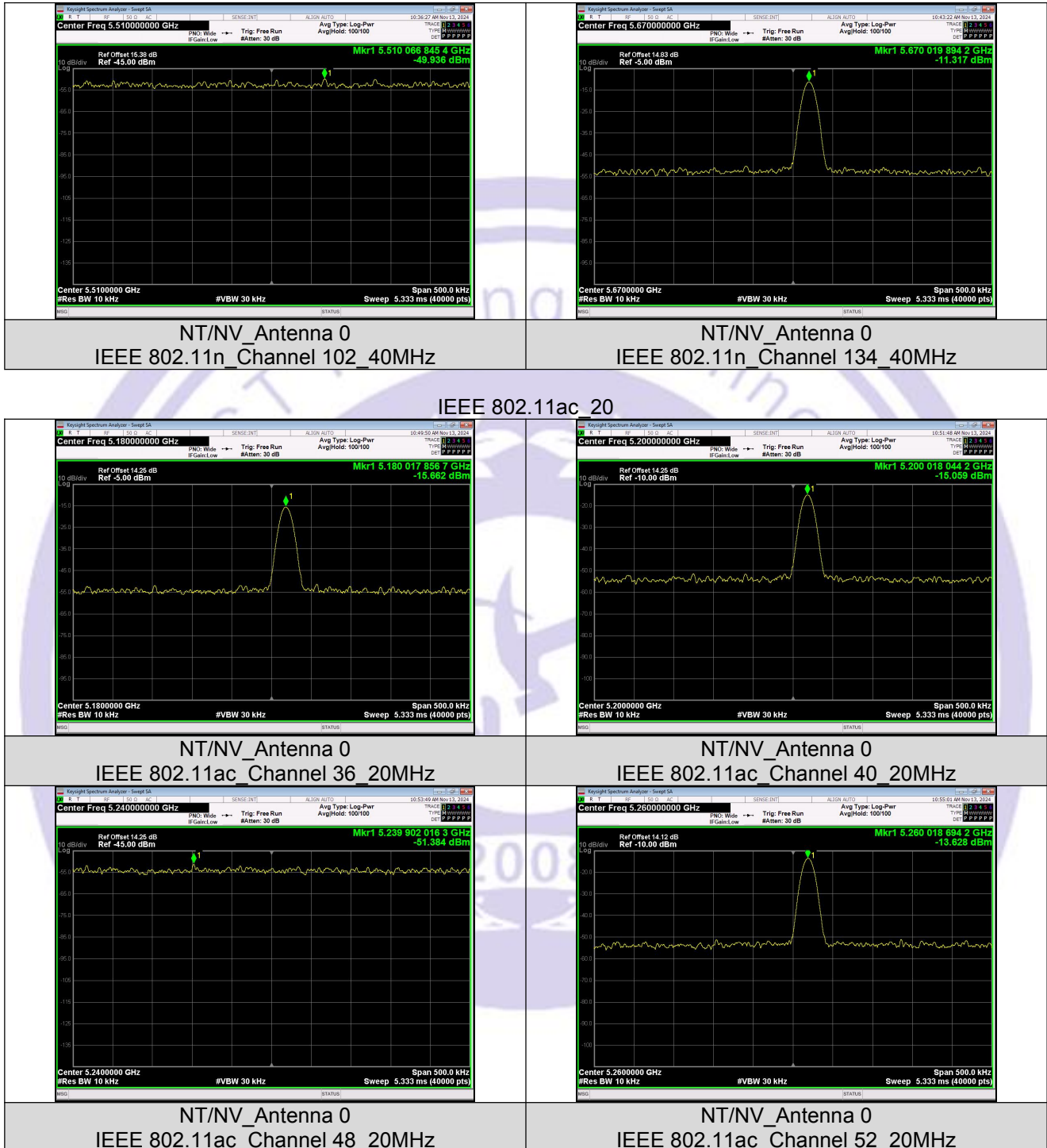
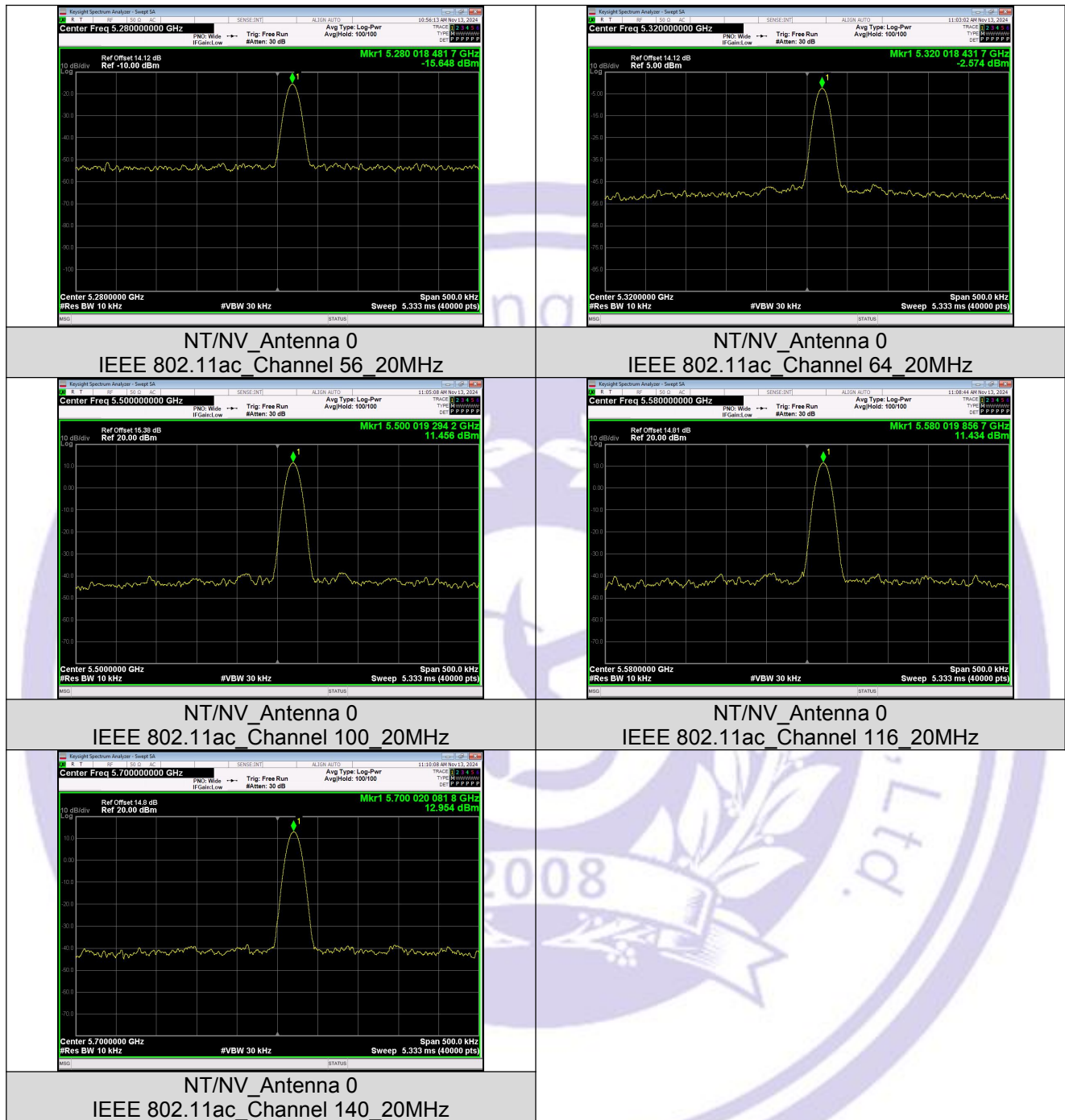




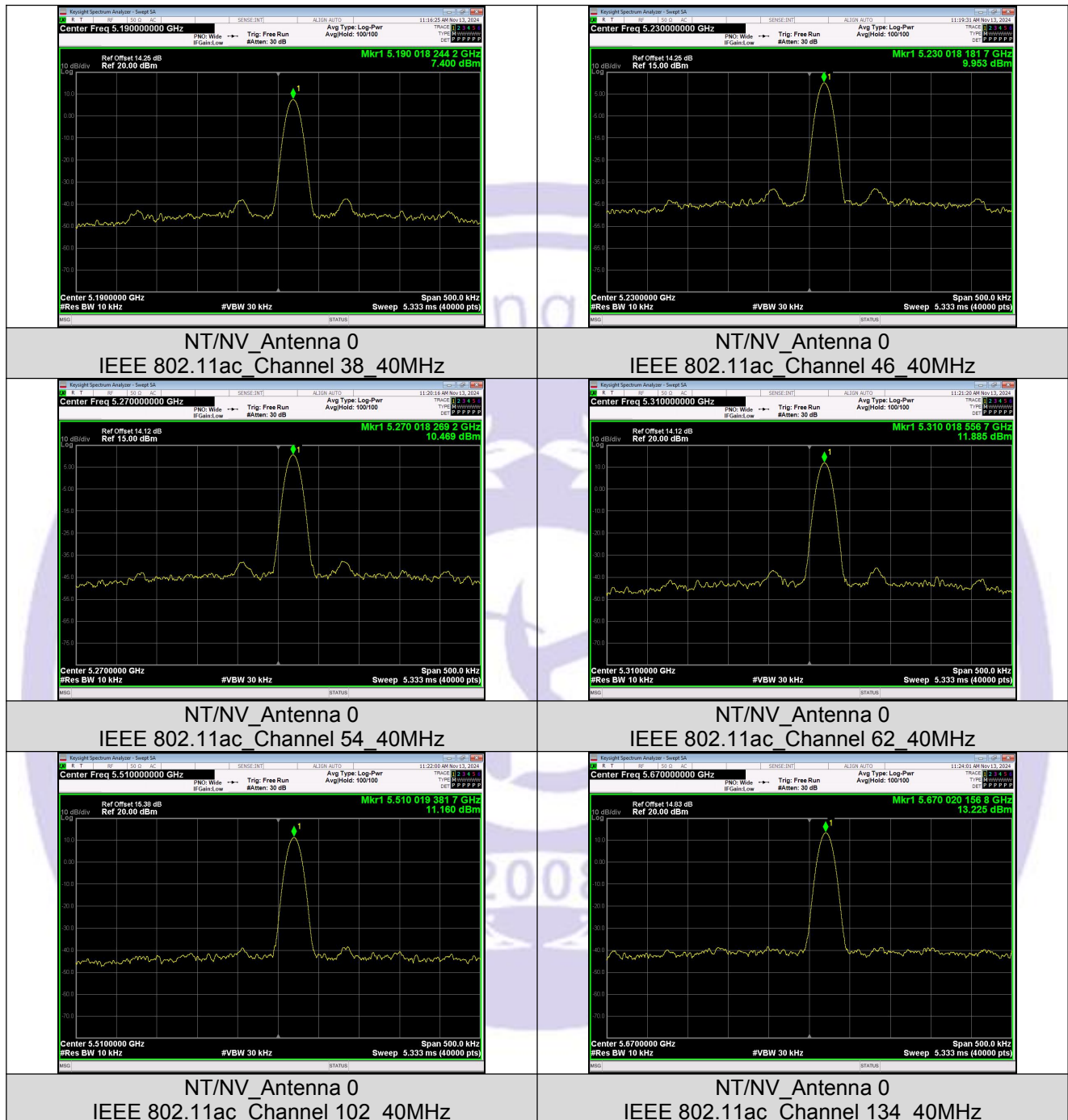
IEEE 802.11n 40



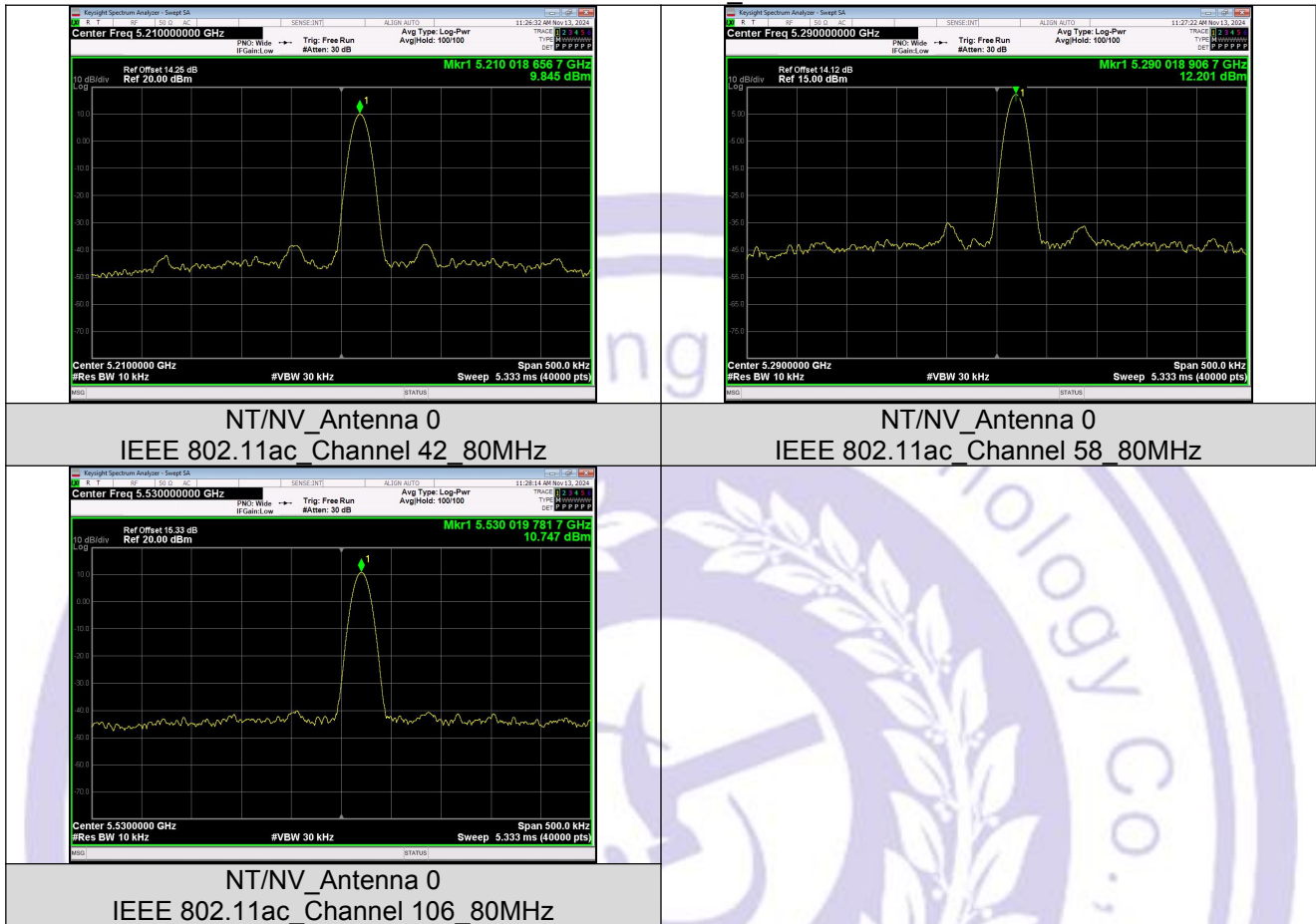




IEEE 802.11ac_40



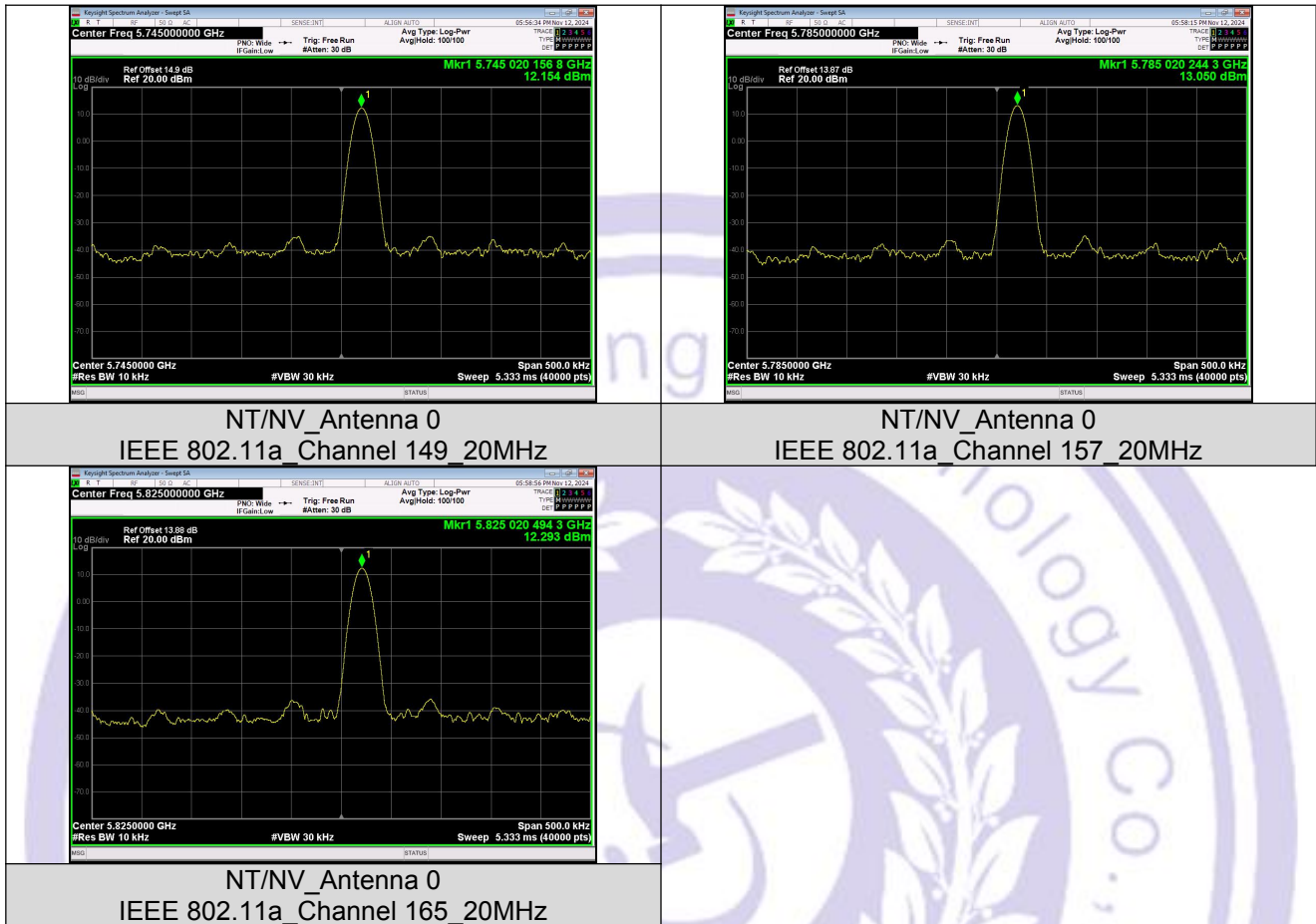
IEEE 802.11ac 80



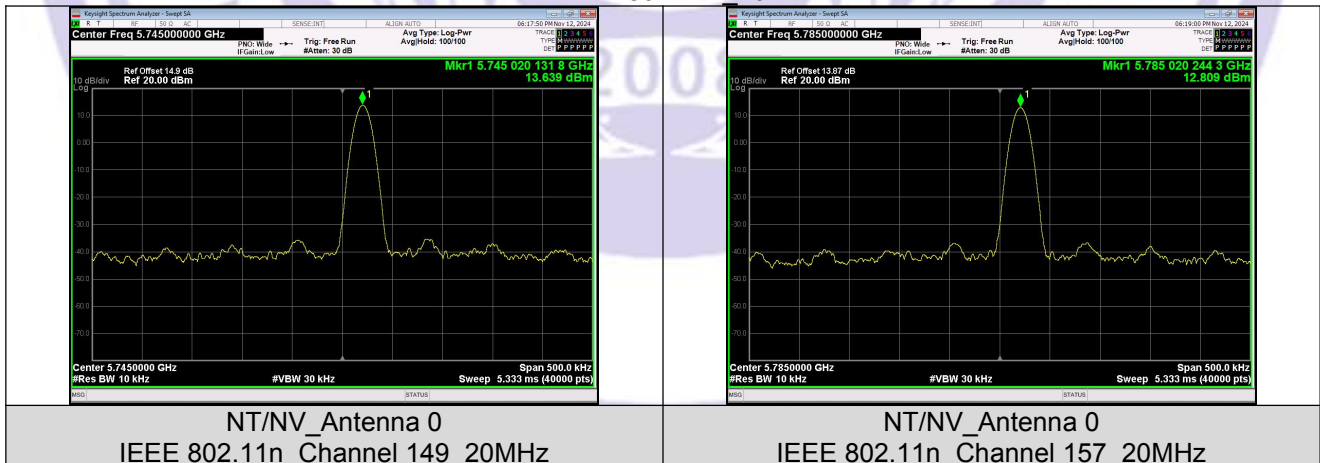
Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	149	0	5745.0	5745.020157	3.51	Within authorized band	PASS
		157		5785.0	5785.020244	3.5		PASS
		165		5825.0	5825.020494	3.52		PASS
	IEEE 802.11n_20	149		5745.0	5745.020132	3.5		PASS
		157		5785.0	5785.020244	3.5		PASS
		165		5825.0	5825.020644	3.54		PASS
	IEEE 802.11n_40	151		5755.0	5755.020007	3.48		PASS
		159		5795.0	5795.020019	3.45		PASS
	IEEE 802.11ac_20	149		5745.0	5745.020294	3.53		PASS
		157		5785.0	5785.020394	3.53		PASS
		165		5825.0	5825.020769	3.57		PASS
	IEEE 802.11ac_40	151		5755.0	5755.020482	3.56		PASS
		159		5795.0	5795.020794	3.59		PASS
	IEEE 802.11ac_80	155		5775.0	5775.020507	3.55		PASS

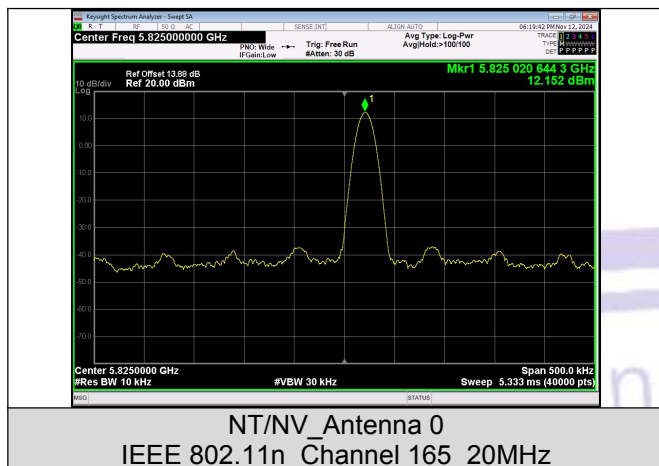
Note: All modes have been tested, and this report only records the NT/NV worst data.

IEEE 802.11a

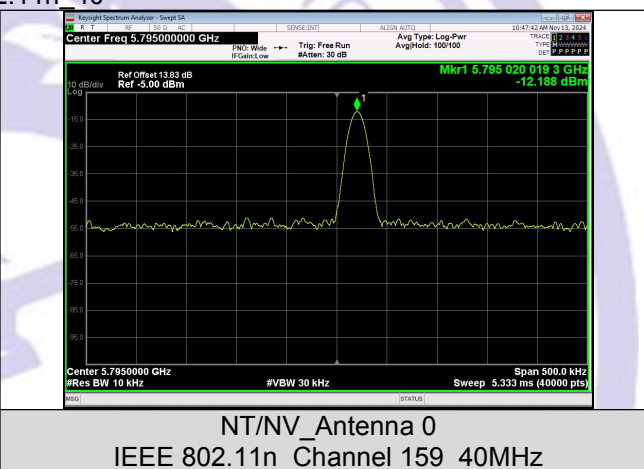
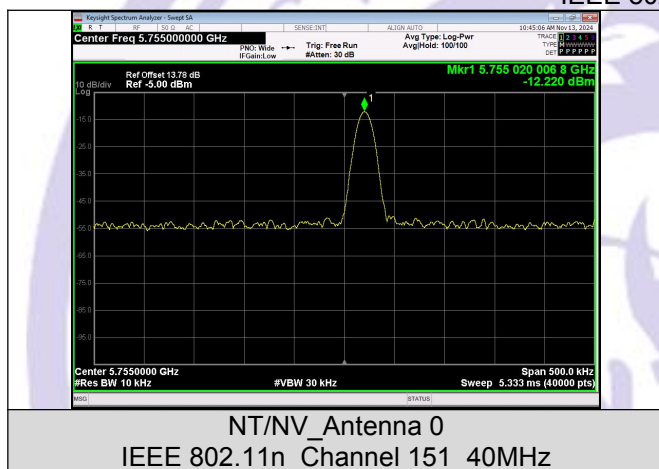


IEEE 802.11n 20

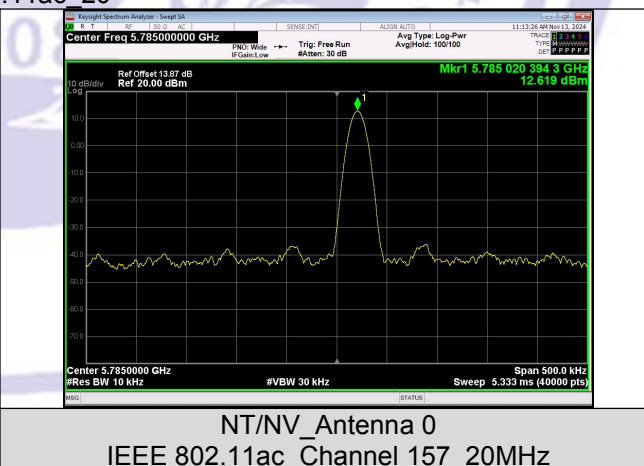
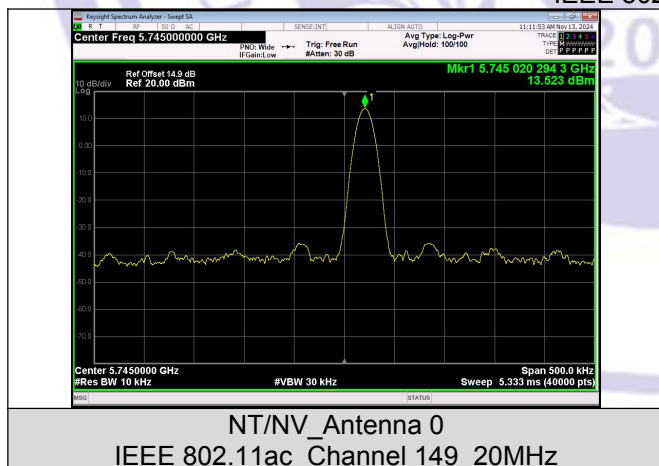


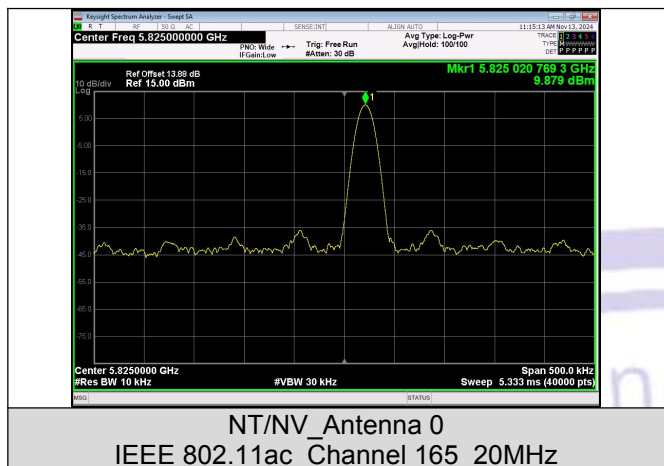


IEEE 802.11n 40

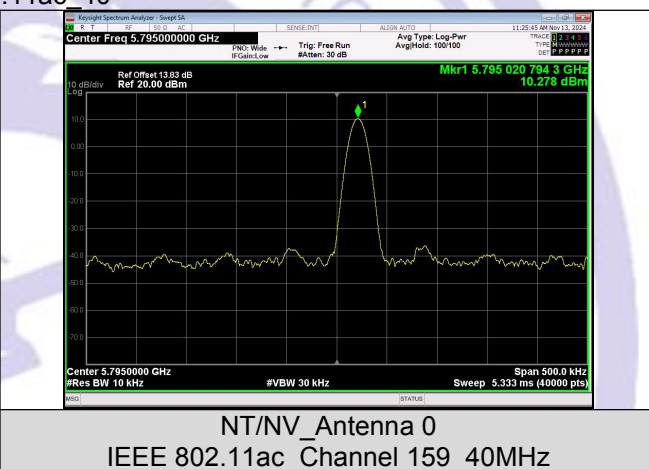
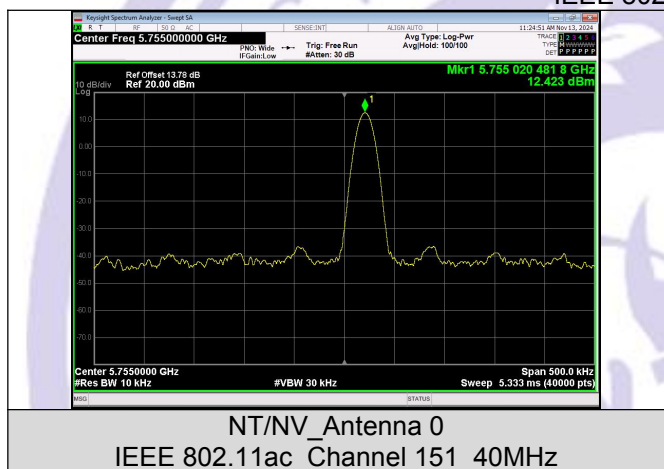


IEEE 802.11ac 20

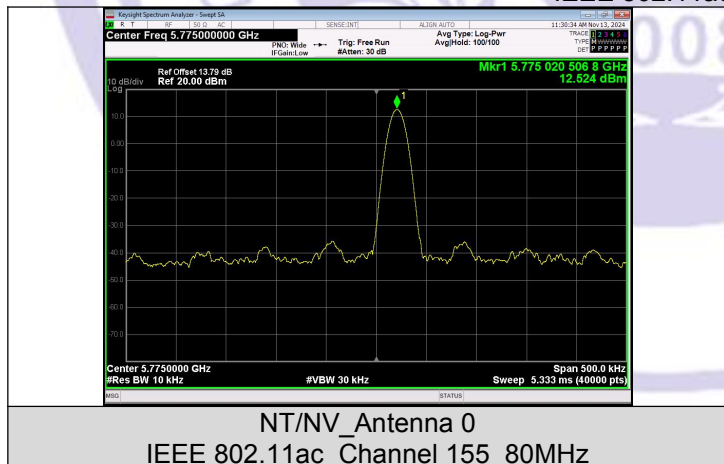




IEEE 802.11ac 40



IEEE 802.11ac 80



13 On Time and Duty Cycle

13.1 Standard Applicable

None; for reporting purpose only

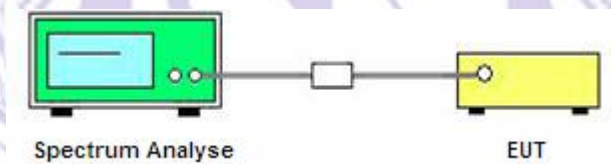
13.2 Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

13.3 Test Procedures

- 1). Set the Centre frequency of the spectrum analyzer to the transmitting frequency;
- 2). Set the span=0MHz, RBW=8MHz, VBW=8MHz, Sweep time=10001pts;
- 3). Detector = peak;
- 4). Trace mode = Single hold.

13.4 Test Setup Layout

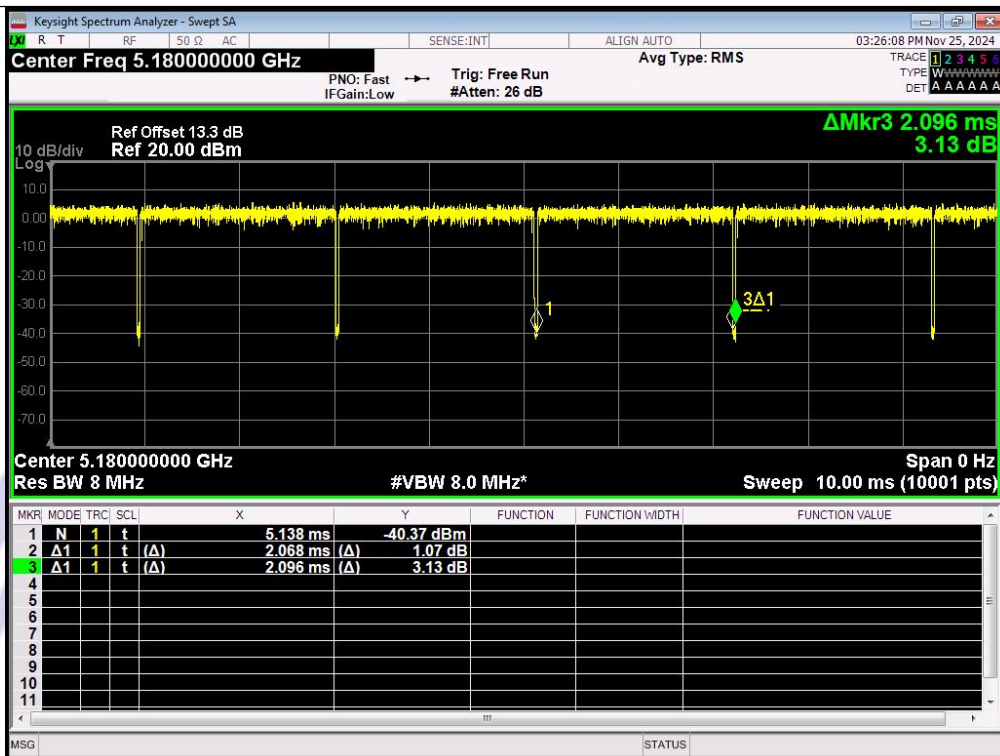


13.5 EUT Operation during Test

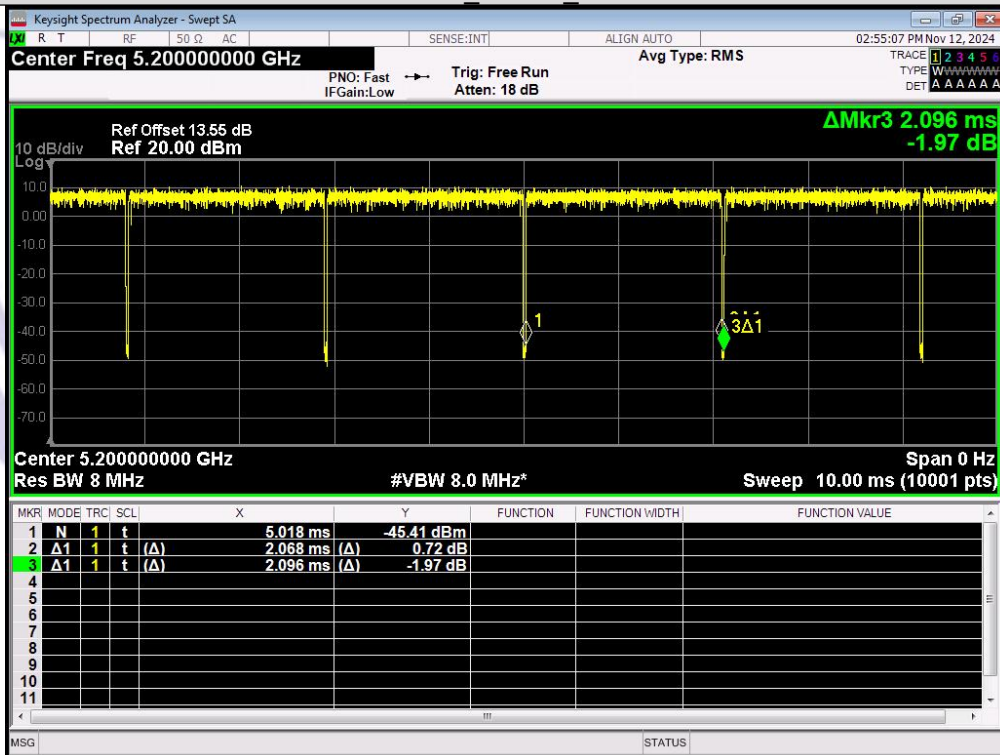
The EUT was programmed to be in continuously transmitting mode.

13.6 Test result

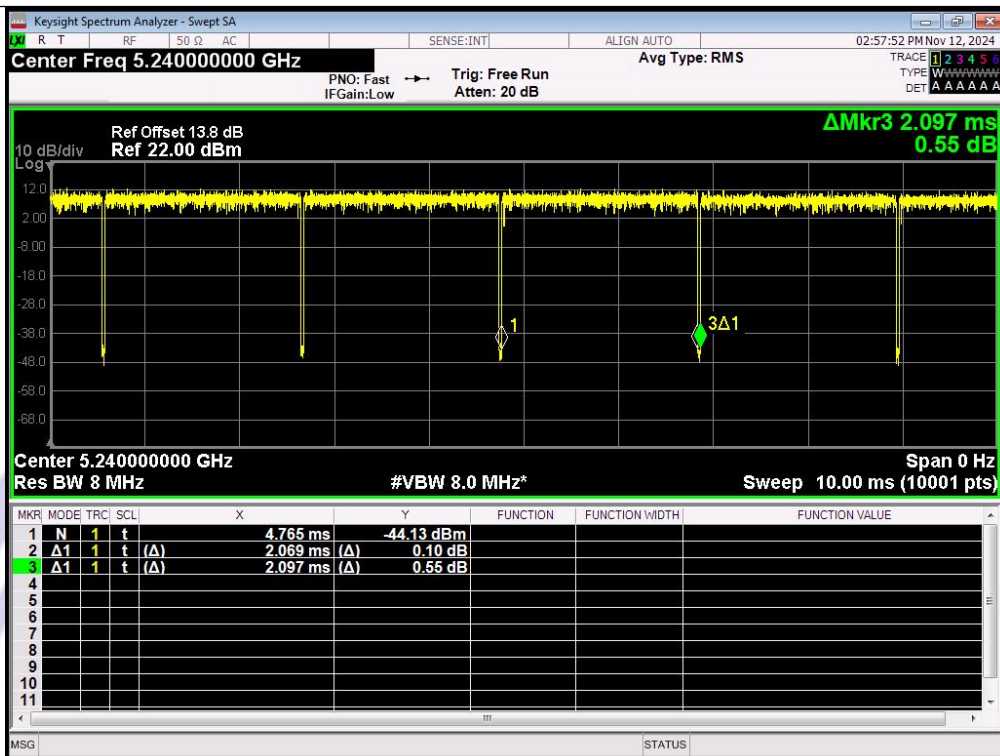
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	0	2.068	2.096	98.66	0.9866	0.0586	0.4836
		40		2.068	2.096	98.66	0.9866	0.0586	0.4836
		48		2.069	2.097	98.66	0.9866	0.0586	0.4833
		52		2.068	2.096	98.66	0.9866	0.0586	0.4836
		56		2.068	2.097	98.62	0.9862	0.0604	0.4836
		64		2.068	2.096	98.66	0.9866	0.0586	0.4836
		100		2.068	2.096	98.66	0.9866	0.0586	0.4836
		116		2.068	2.097	98.62	0.9862	0.0604	0.4836
		140		2.068	2.097	98.62	0.9862	0.0604	0.4836
IEEE 802.11n_20		36	0	1.924	1.953	98.52	0.9852	0.0648	0.5198
		40		1.924	1.953	98.52	0.9852	0.0648	0.5198
		48		1.924	1.953	98.52	0.9852	0.0648	0.5198
		52		1.924	1.953	98.52	0.9852	0.0648	0.5198
		56		1.924	1.952	98.57	0.9857	0.0626	0.5198
		64		1.924	1.952	98.57	0.9857	0.0626	0.5198
		100		1.924	1.952	98.57	0.9857	0.0626	0.5198
		116		1.924	1.952	98.57	0.9857	0.0626	0.5198
		140		1.924	1.952	98.57	0.9857	0.0626	0.5198
IEEE 802.11n_40		38	0	0.946	0.966	97.88	0.9788	0.0931	1.0571
		46		0.946	0.966	97.93	0.9793	0.0908	1.0571
		54		0.947	0.967	98.03	0.9803	0.0864	1.0560
		62		0.948	0.966	98.07	0.9807	0.0846	1.0549
		102		0.946	0.966	97.93	0.9793	0.0908	1.0571
		134		0.946	0.966	97.93	0.9793	0.0908	1.0571
IEEE 802.11ac_20	MCS 0	36	0	1.936	1.964	98.57	0.9857	0.0626	0.5165
		40		1.936	1.964	98.57	0.9857	0.0626	0.5165
		48		1.936	1.964	98.57	0.9857	0.0626	0.5165
		52		1.936	1.964	98.57	0.9857	0.0626	0.5165
		56		1.937	1.965	98.58	0.9858	0.0621	0.5163
		64		1.936	1.964	98.57	0.9857	0.0626	0.5165
		100		1.937	1.965	98.58	0.9858	0.0621	0.5163
		116		1.936	1.964	98.57	0.9857	0.0626	0.5165
		140		1.936	1.964	98.57	0.9857	0.0626	0.5165
IEEE 802.11ac_40		38	0	1.250	1.270	98.44	0.9844	0.0683	0.8000
		46		1.252	1.270	98.58	0.9858	0.0621	0.7987
		54		1.249	1.250	99.98	0.9998	0.0009	0.8006
		62		1.253	1.270	98.61	0.9861	0.0608	0.7981
		102		1.251	1.270	98.50	0.9850	0.0656	0.7994
		134		1.251	1.270	98.50	0.9850	0.0656	0.7994
IEEE 802.11ac_80		42	0	0.686	0.706	97.17	0.9717	0.1247	1.4577
		58		0.687	0.706	97.36	0.9736	0.1162	1.4556
		106		1.185	1.195	99.16	0.9916	0.0366	0.8439



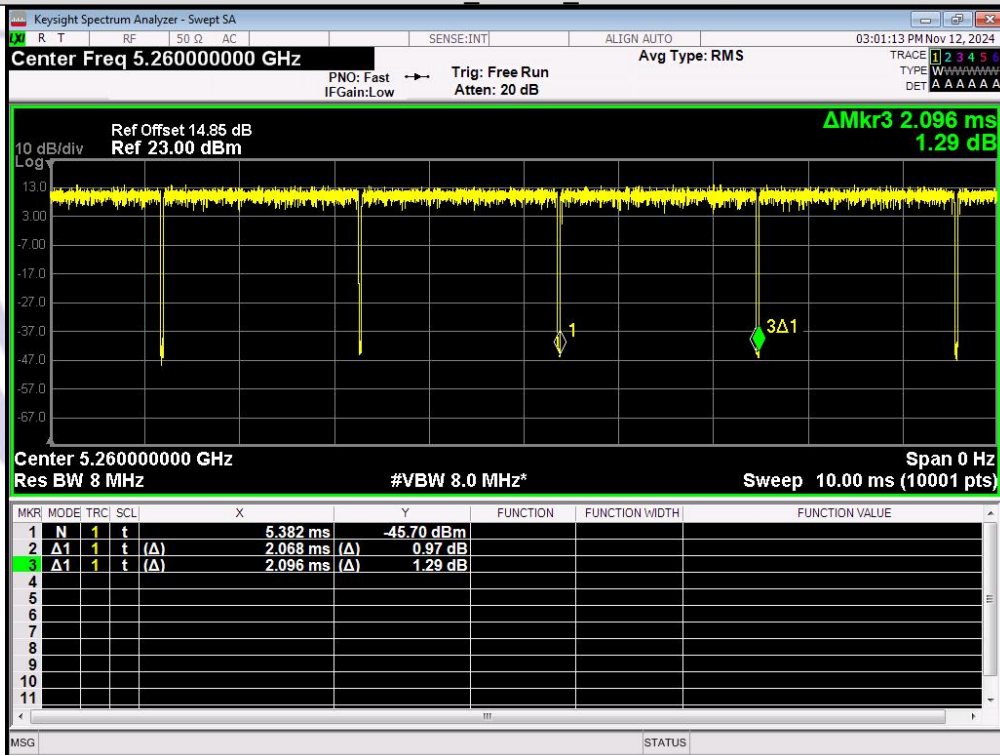
IEEE 802.11a_20MHz_Channel 36



IEEE 802.11a_20MHz_Channel 40



IEEE 802.11a_20MHz_Channel 48



IEEE 802.11a_20MHz_Channel 52