

Appendix A Conduction Data for 2.4GHz WIFI

A1.Maximum Peak conducted output power

Test Result

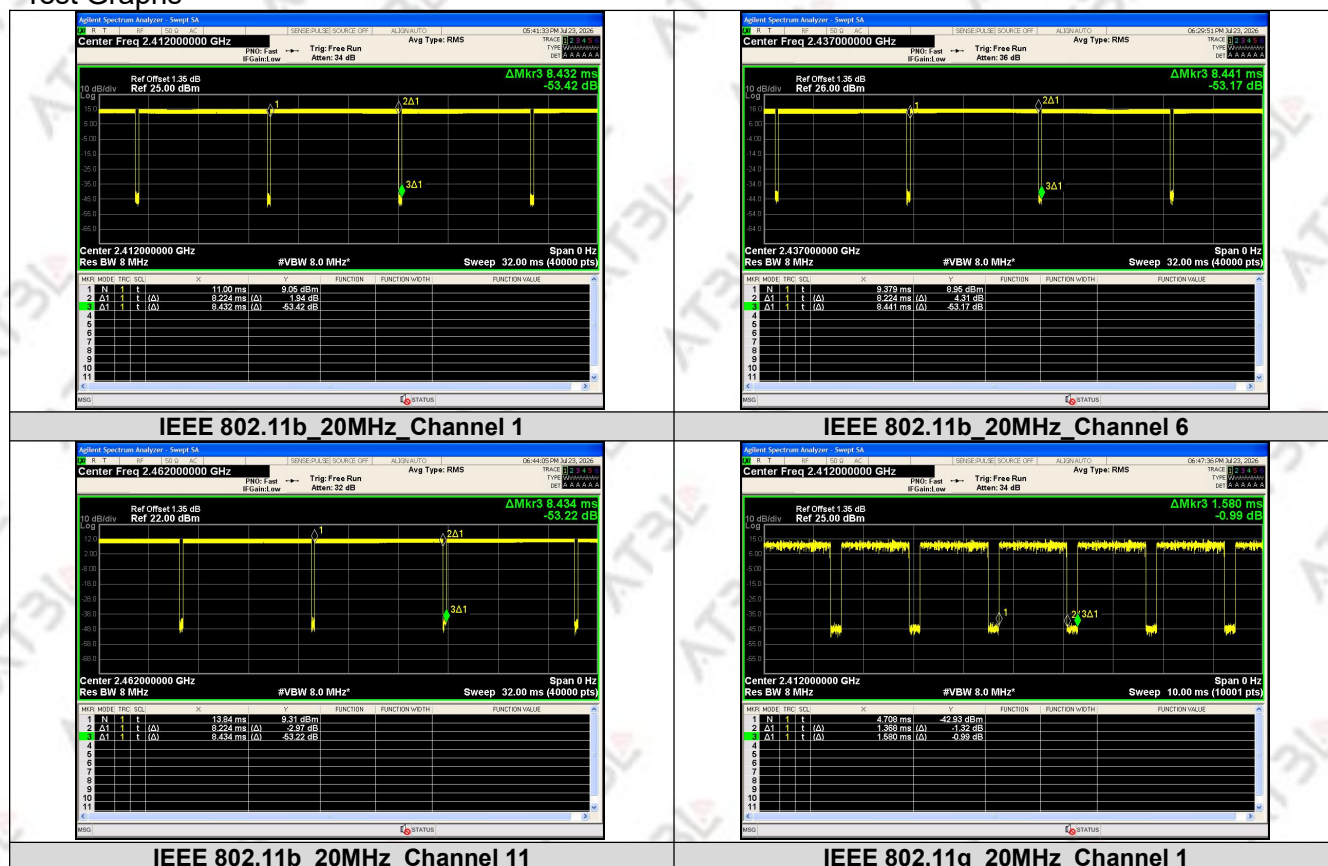
Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Result
IEEE 802.11b	1	14.90	≤30	PASS
	6	15.81	≤30	PASS
	11	14.83	≤30	PASS
IEEE 802.11g	1	15.25	≤30	PASS
	6	15.84	≤30	PASS
	11	15.54	≤30	PASS
IEEE 802.11n_20	1	15.16	≤30	PASS
	6	15.88	≤30	PASS
	11	14.97	≤30	PASS
IEEE 802.11n_40	3	15.01	≤30	PASS
	6	16.70	≤30	PASS
	9	15.71	≤30	PASS
IEEE 802.11ax_20	1	14.90	≤30	PASS
	6	13.54	≤30	PASS
	11	15.12	≤30	PASS
IEEE 802.11ax_40	3	15.09	≤30	PASS
	6	15.67	≤30	PASS
	9	15.12	≤30	PASS

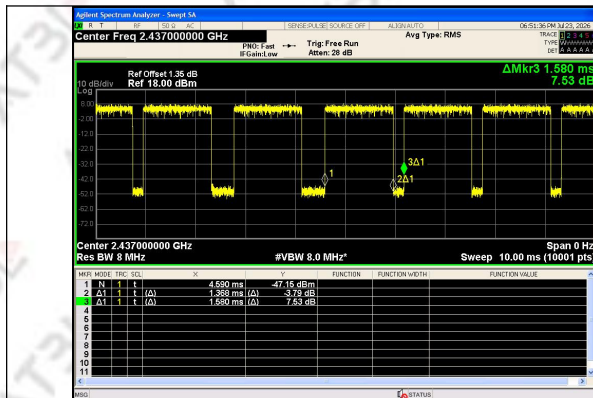
A2.Duty Cycle

Test Result:

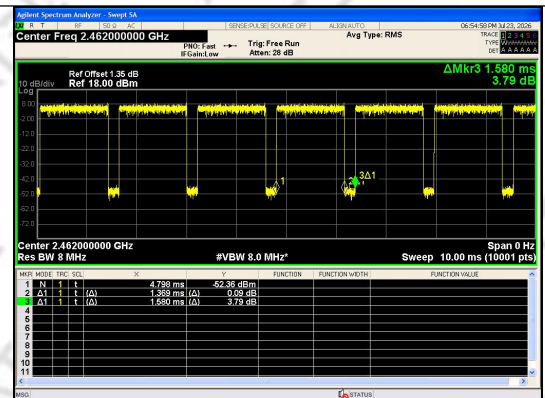
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	1	1	0	8.224	8.432	97.53	0.9753	0.1086
		6		8.224	8.441	97.43	0.9743	0.1131
		11		8.224	8.434	97.51	0.9751	0.1095
IEEE 802.11g	6	1		1.368	1.580	86.58	0.8658	0.6258
		6		1.368	1.580	86.58	0.8658	0.6258
		11		1.369	1.580	86.65	0.8665	0.6223
IEEE 802.11n_20		1		1.280	1.492	85.79	0.8579	0.6656
		6		1.280	1.492	85.79	0.8579	0.6656
		11		1.280	1.492	85.79	0.8579	0.6656
IEEE 802.11n_40	MCS 0	3		0.638	0.852	74.95	0.7495	1.2523
		6		0.638	0.852	74.93	0.7493	1.2534
		9		0.638	0.852	74.90	0.7490	1.2552
IEEE 802.11ax_20		1		0.999	1.211	82.45	0.8245	0.8381
		6		1.000	1.212	82.46	0.8246	0.8376
		11		1.000	1.212	82.46	0.8246	0.8376
IEEE 802.11ax_40		3		0.530	0.744	71.25	0.7125	1.4722
		6		0.530	0.743	71.29	0.7129	1.4697
		9		0.530	0.743	71.29	0.7129	1.4697

Test Graphs

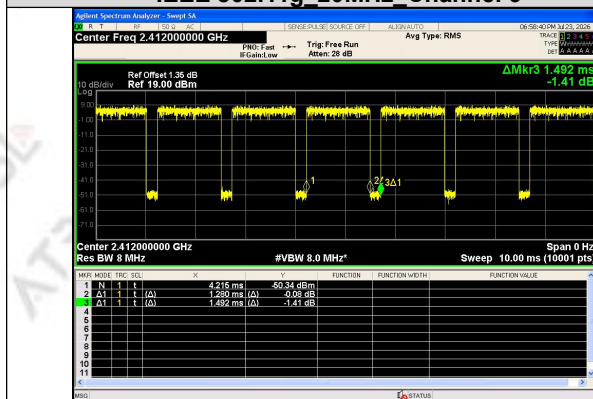




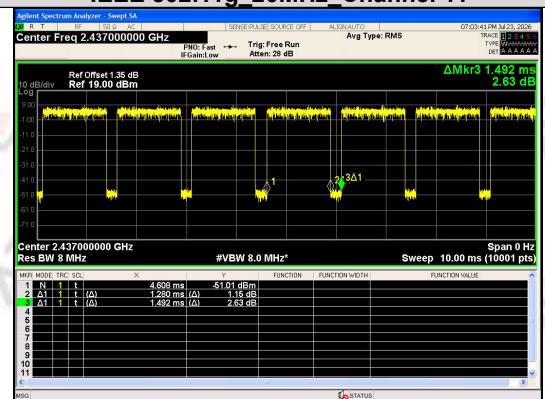
IEEE 802.11g 20MHz Channel 6



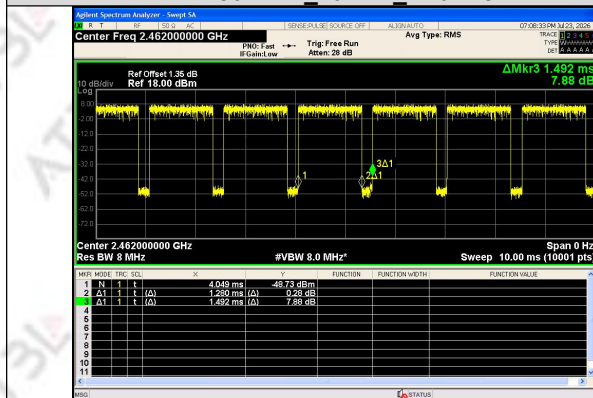
IEEE 802.11g 20MHz Channel 11



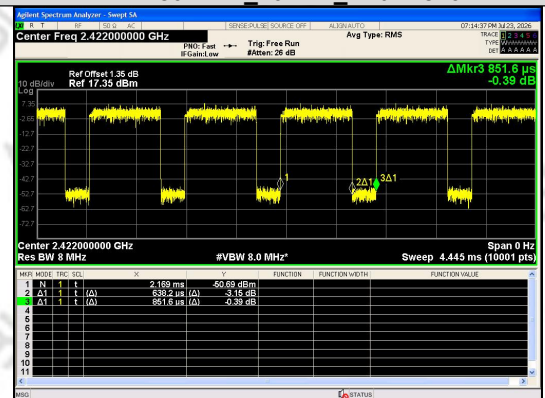
IEEE 802.11n 20MHz Channel 1



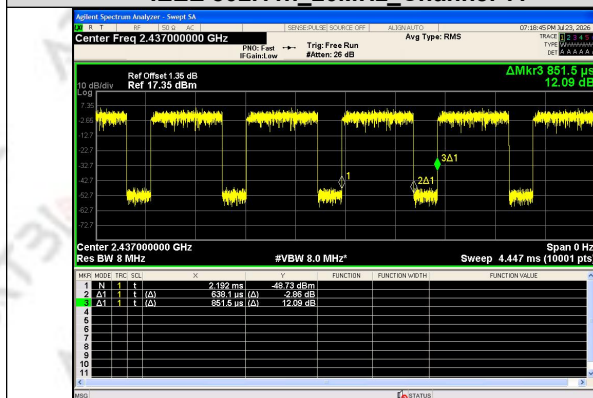
IEEE 802.11n 20MHz Channel 6



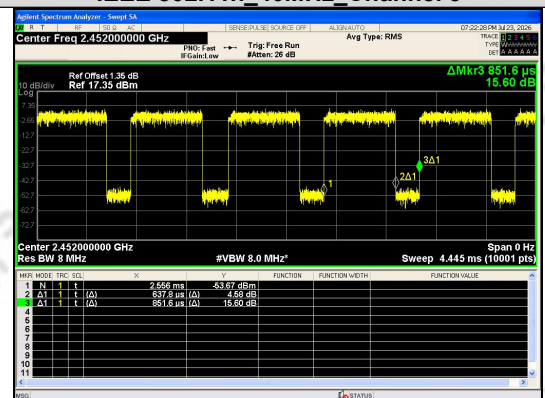
IEEE 802.11n 20MHz Channel 11



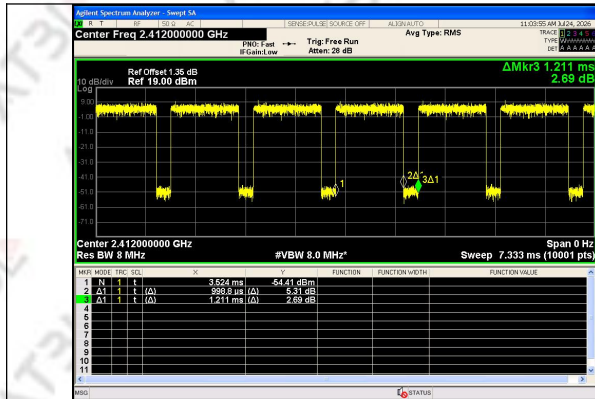
IEEE 802.11n 40MHz Channel 3



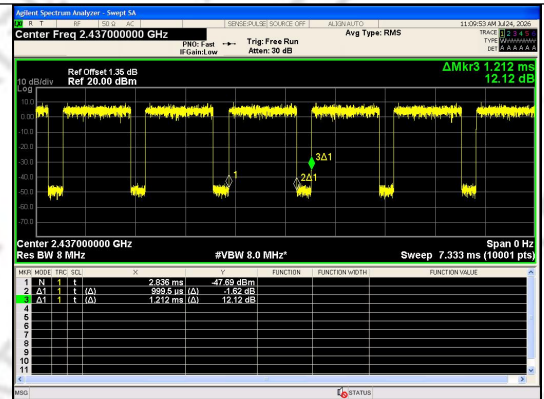
IEEE 802.11n 40MHz Channel 6



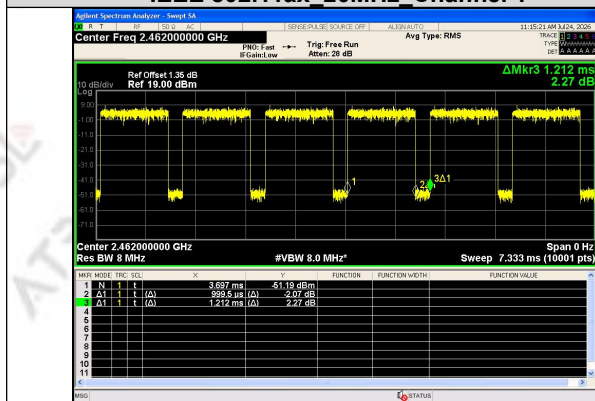
IEEE 802.11n 40MHz Channel 9



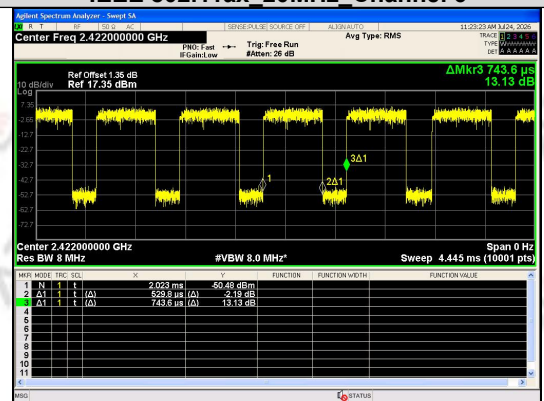
IEEE 802.11ax 20MHz Channel 1



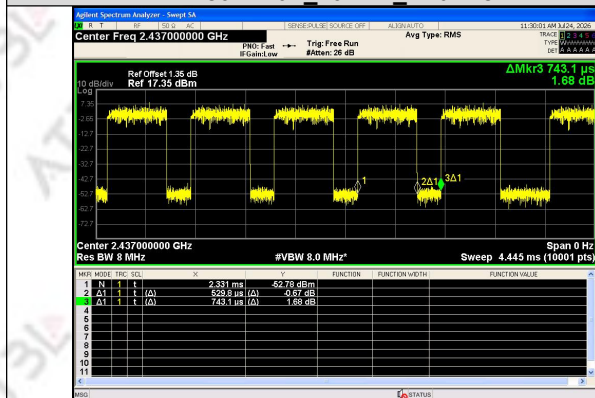
IEEE 802.11ax 20MHz Channel 6



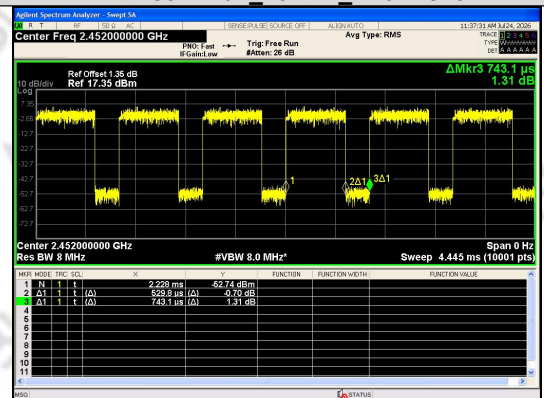
IEEE 802.11ax 20MHz Channel 11



IEEE 802.11ax 40MHz Channel 3



IEEE 802.11ax 40MHz Channel 6



IEEE 802.11ax 40MHz Channel 9

A3.6dB Bandwidth

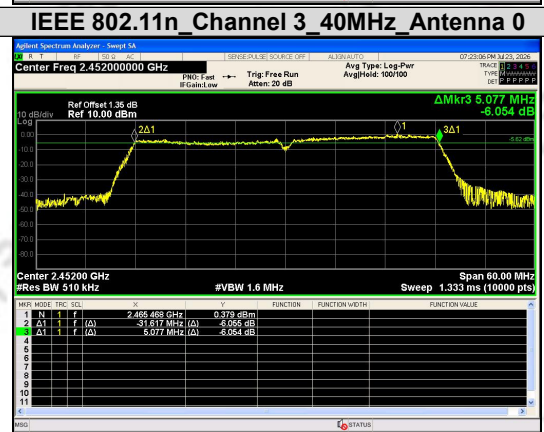
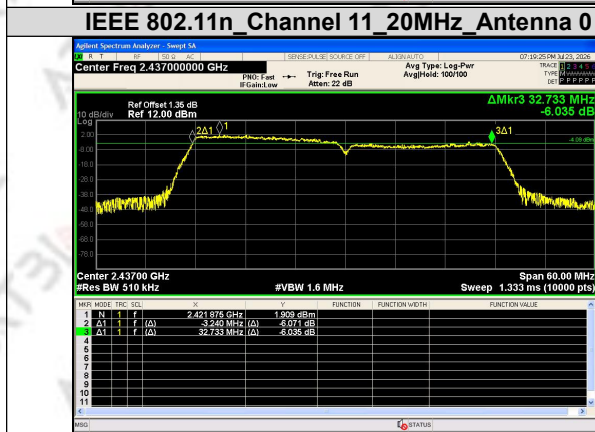
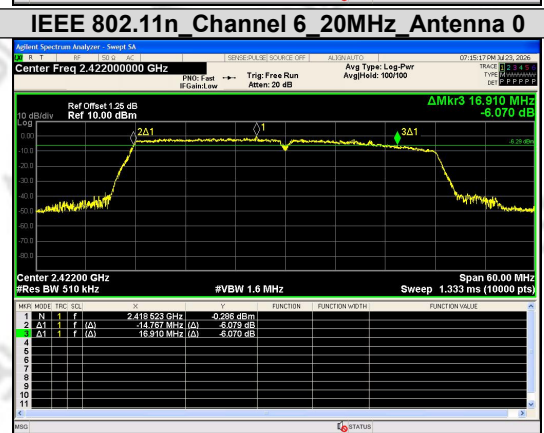
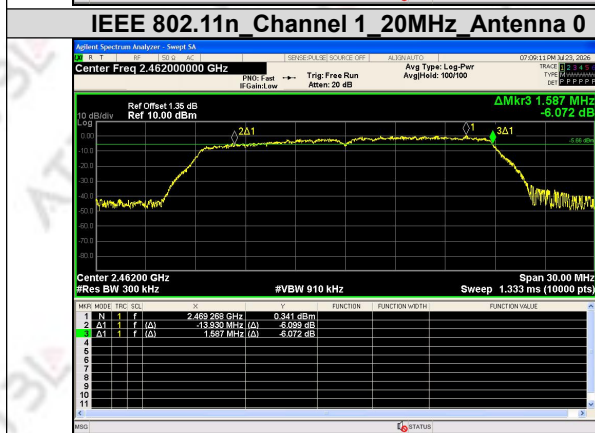
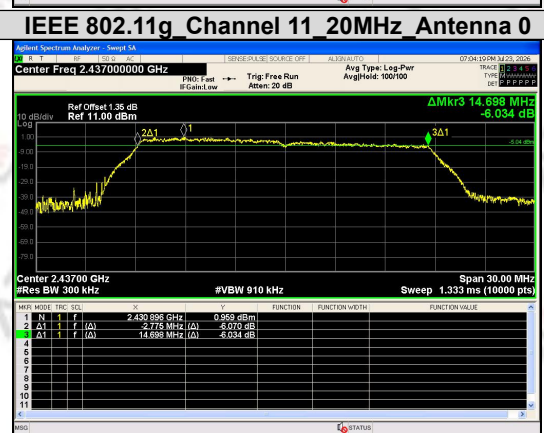
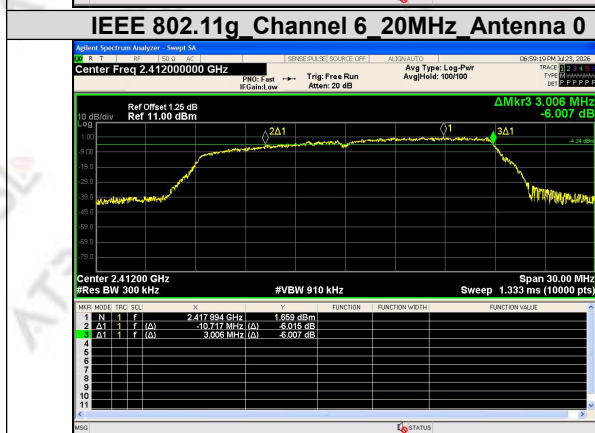
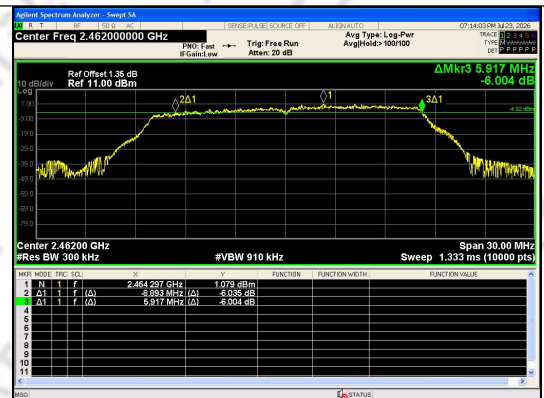
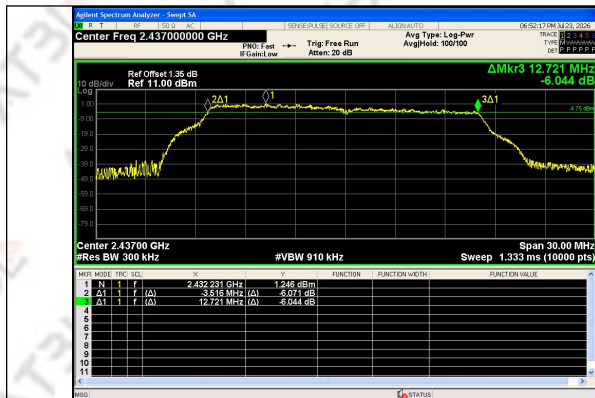
Test Result

Note:

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	11.12	≥0.5	PASS
	6		2437	10.16		PASS
	11		2462	11.12		PASS
IEEE 802.11g	1		2412	13.11		PASS
	6		2437	16.24		PASS
	11		2462	14.81		PASS
IEEE 802.11n_20	1		2412	13.72		PASS
	6		2437	17.47		PASS
	11		2462	15.52		PASS
IEEE 802.11n_40	3		2422	31.67		PASS
	6		2437	35.97		PASS
	9		2452	36.69		PASS
IEEE 802.11ax_20	1		2412	18.64		PASS
	6		2437	18.59		PASS
	11		2462	18.99		PASS
IEEE 802.11ax_40	3		2422	37.80		PASS
	6		2437	37.13		PASS
	9		2452	37.16		PASS

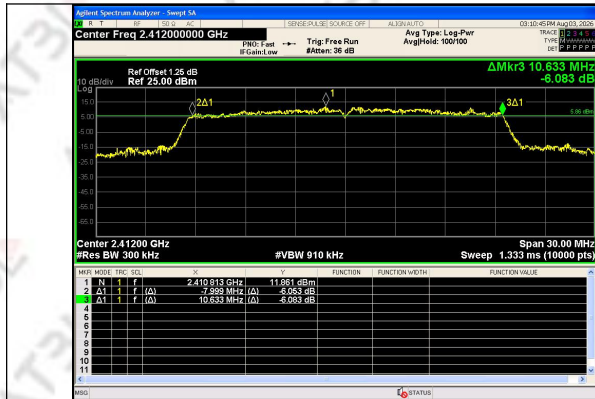
Test Graphs



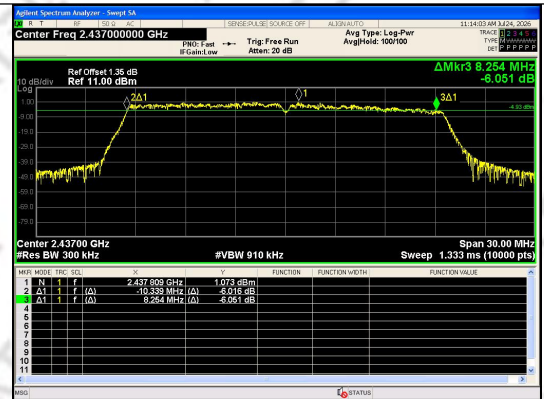


IEEE 802.11n Channel 6 40MHz Antenna 0

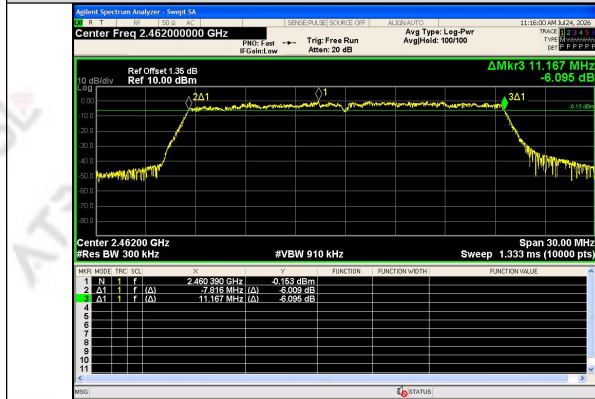
IEEE 802.11n Channel 9 40MHz Antenna 0



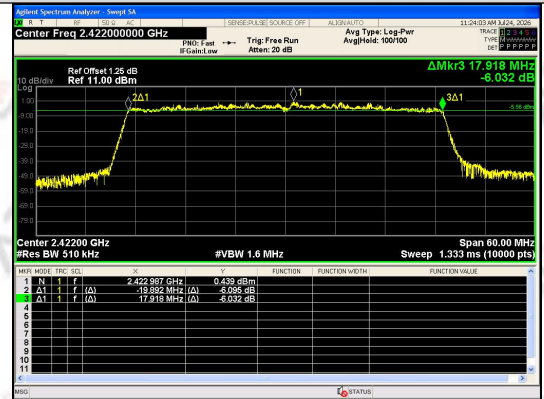
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



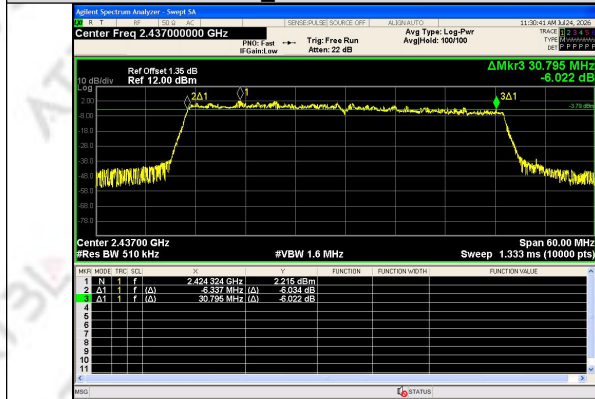
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU



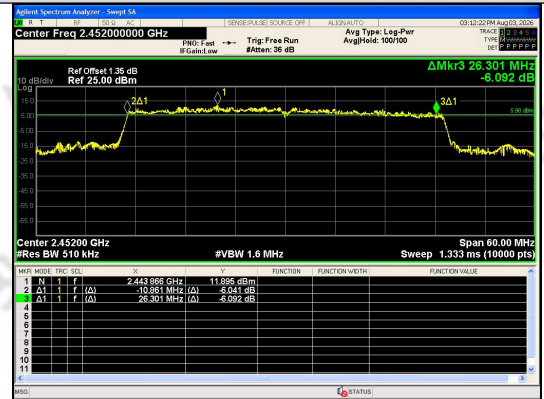
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU