

Appendix A of data

A1.Maximum Peak conducted output power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	Result
IEEE 802.11b	1	18.17	≤30	PASS
	6	17.15	≤30	PASS
	11	17.00	≤30	PASS
IEEE 802.11g	1	19.13	≤30	PASS
	6	19.45	≤30	PASS
	11	18.69	≤30	PASS
IEEE 802.11n_20	1	19.25	≤30	PASS
	6	19.42	≤30	PASS
	11	19.77	≤30	PASS
IEEE 802.11n_40	3	18.81	≤30	PASS
	6	19.55	≤30	PASS
	9	19.97	≤30	PASS
IEEE 802.11ax_20	1	19.72	≤30	PASS
	6	20.03	≤30	PASS
	11	20.21	≤30	PASS
IEEE 802.11ax_40	3	19.37	≤30	PASS
	6	20.09	≤30	PASS
	9	20.54	≤30	PASS

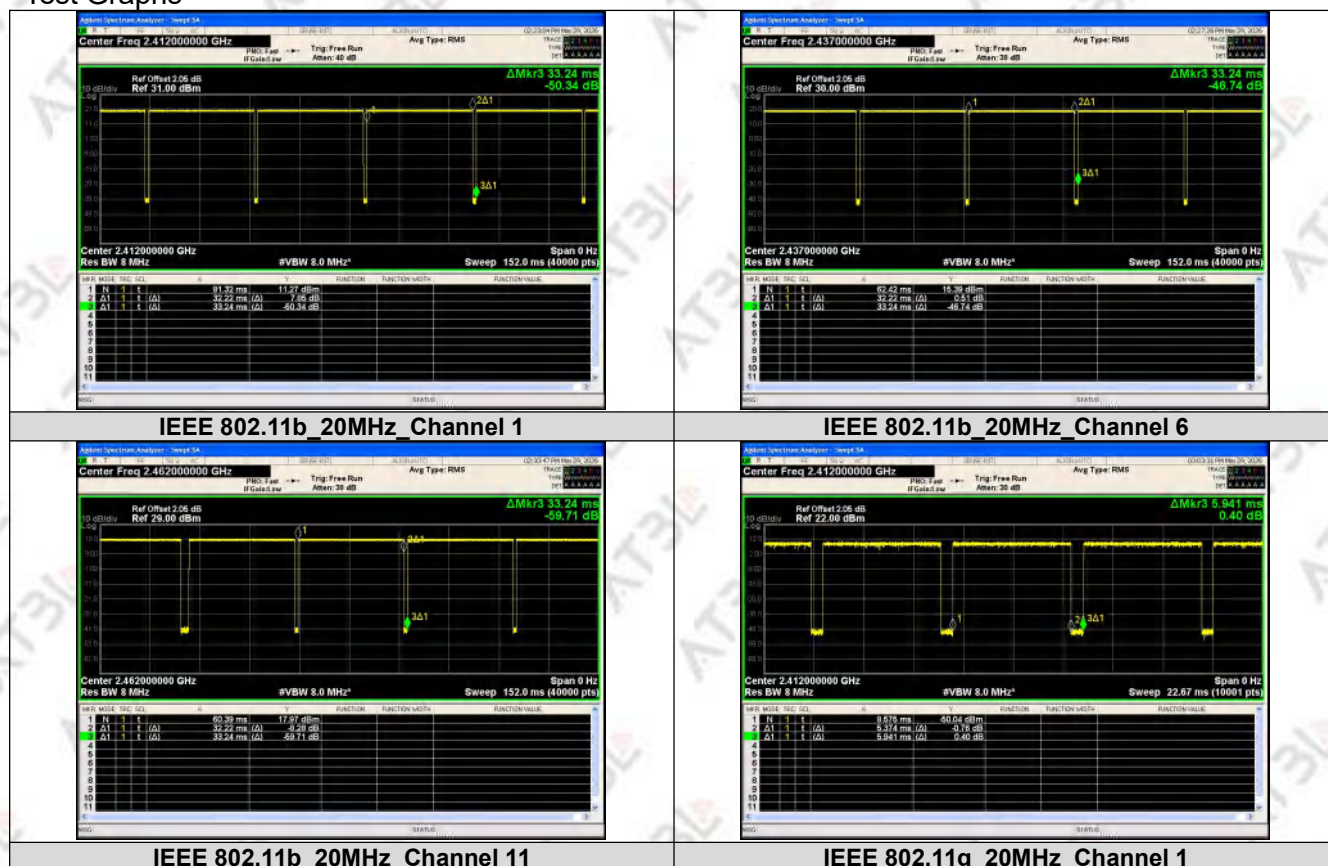
Note:ISED EIRP=Peak Output Power+Antenna Gain.

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	1	32.224	33.242	96.94	0.9694	0.135
		6		32.224	33.242	96.94	0.9694	0.135
		11		32.224	33.242	96.94	0.9694	0.135
IEEE 802.11g	6	1		5.374	5.941	90.46	0.9046	0.4354
		6		5.375	5.899	91.12	0.9112	0.4039
		11		5.372	5.898	91.08	0.9108	0.4058
IEEE 802.11n_20		1		4.975	5.503	90.40	0.9040	0.4383
		6		4.978	5.503	90.44	0.9044	0.4364
		11		4.978	5.503	90.44	0.9044	0.4364
IEEE 802.11n_40		3		4.792	5.320	90.07	0.9007	0.4542
		6		4.792	5.318	90.11	0.9011	0.4523
		9		4.794	5.320	90.11	0.9012	0.4518
IEEE 802.11ax_20		1		3.789	4.318	87.75	0.8775	0.5675
		6		3.792	4.318	87.82	0.8782	0.5641
		11		3.789	4.318	87.75	0.8775	0.5675
IEEE 802.11ax_40		3		3.789	4.316	87.78	0.8778	0.566
		6		3.789	4.316	87.78	0.8778	0.566
		9		3.789	4.310	87.90	0.8790	0.5601

Test Graphs

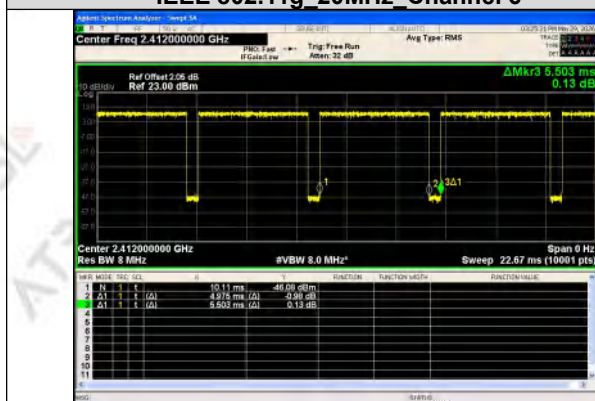




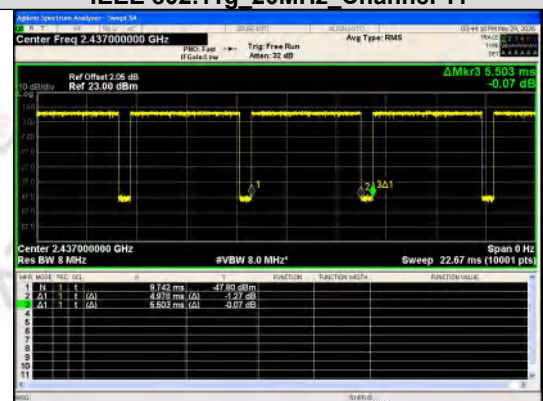
IEEE 802.11g 20MHz Channel 6



IEEE 802.11g 20MHz Channel 11



IEEE 802.11n 20MHz Channel 1



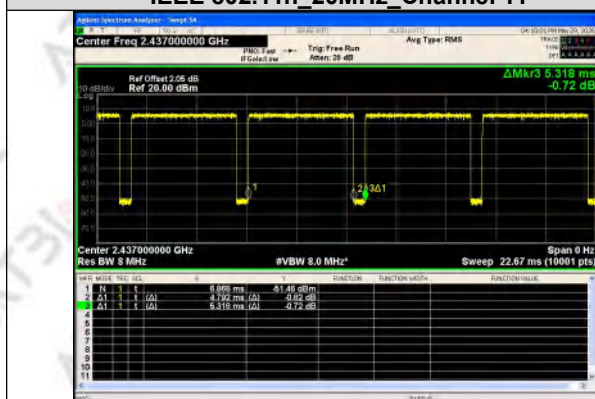
IEEE 802.11n 20MHz Channel 6



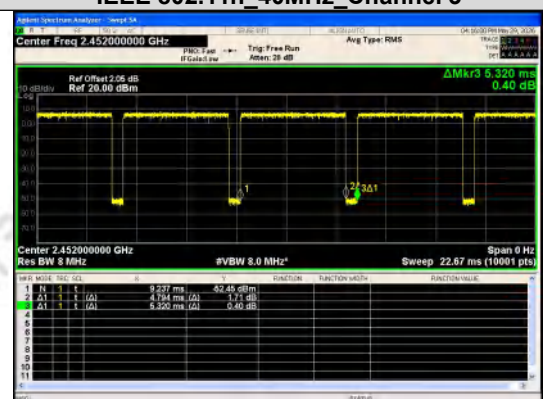
IEEE 802.11n 20MHz Channel 11



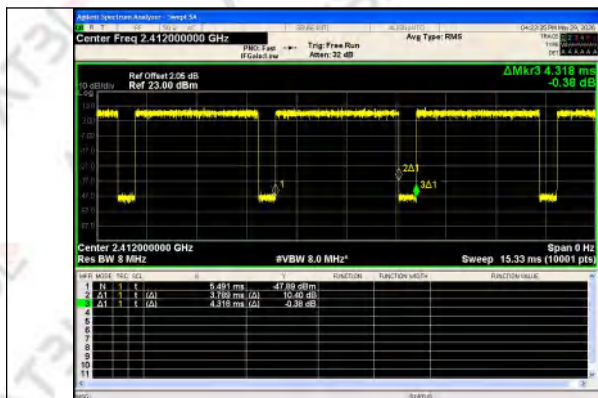
IEEE 802.11n 20MHz Channel 6



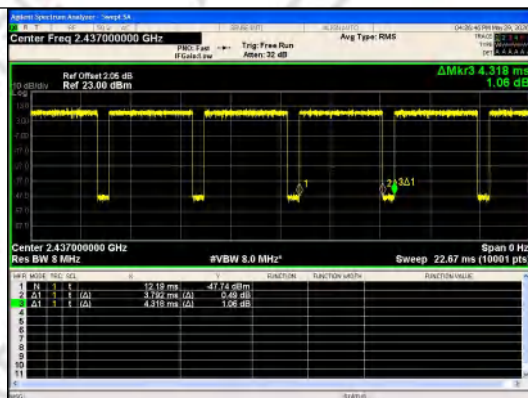
IEEE 802.11n 40MHz Channel 6



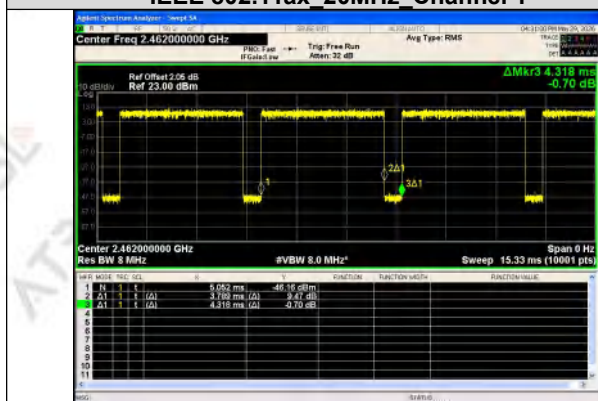
IEEE 802.11n 40MHz Channel 9



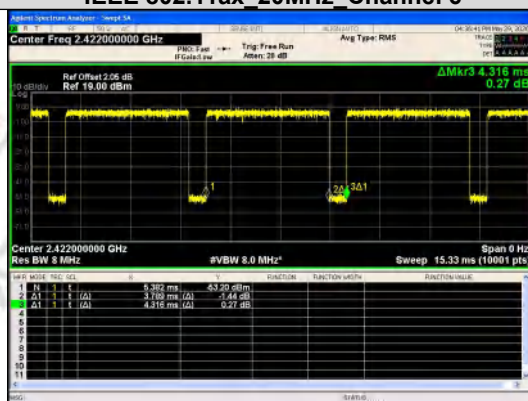
IEEE 802.11ax 20MHz Channel 1



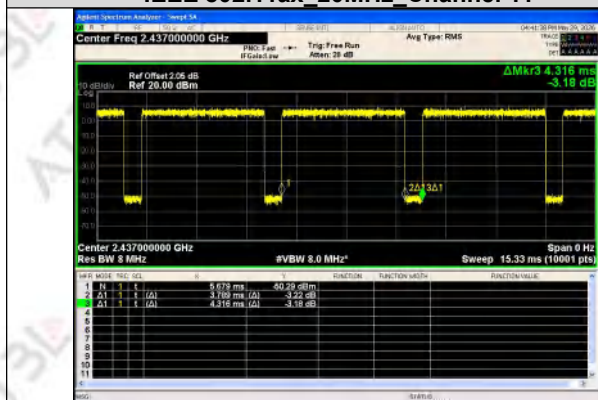
IEEE 802.11ax 20MHz Channel 6



IEEE 802.11ax 20MHz Channel 11



IEEE 802.11ax 40MHz Channel 3



IEEE 802.11ax 40MHz Channel 6



IEEE 802.11ax 40MHz Channel 9

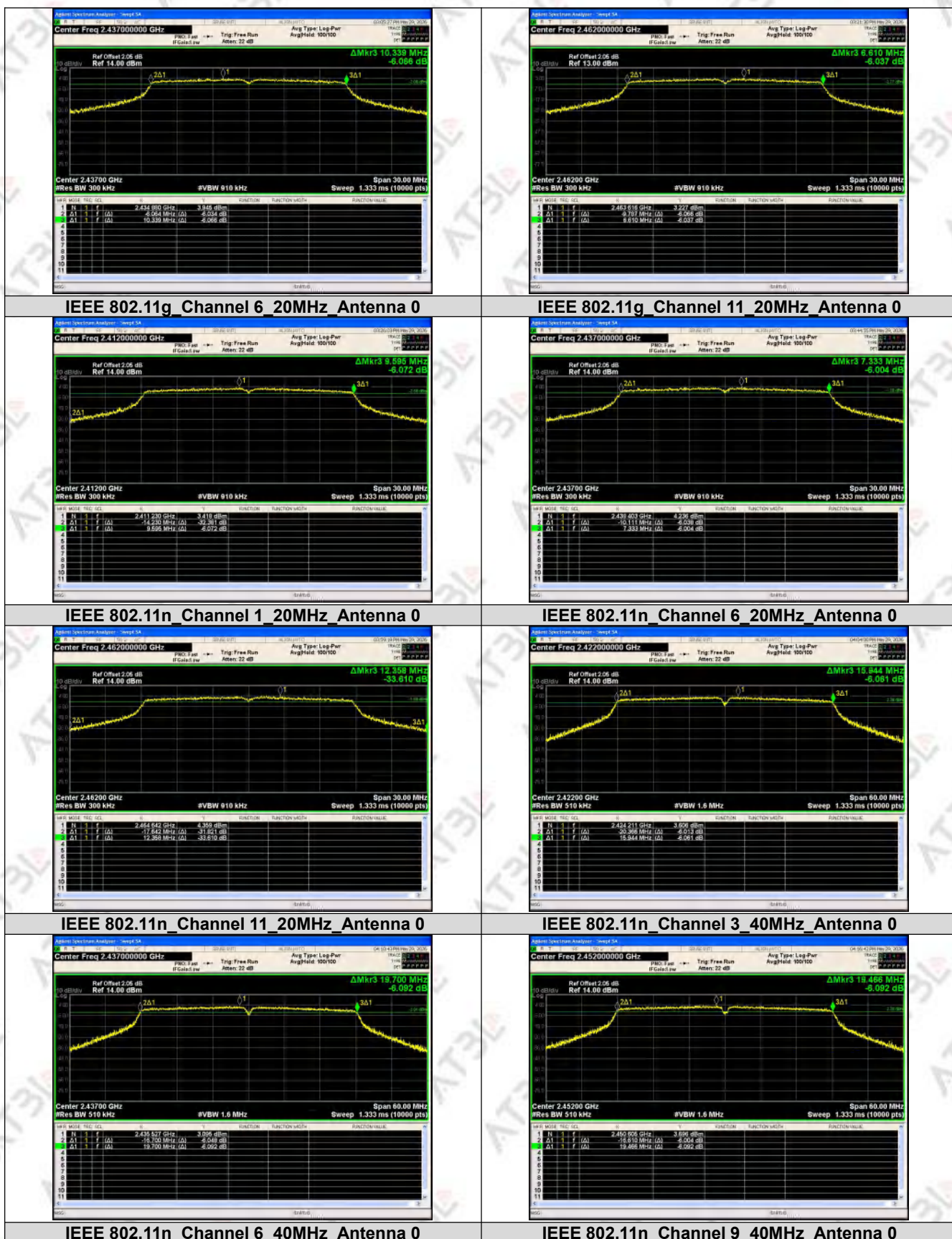
A3.6dB Bandwidth

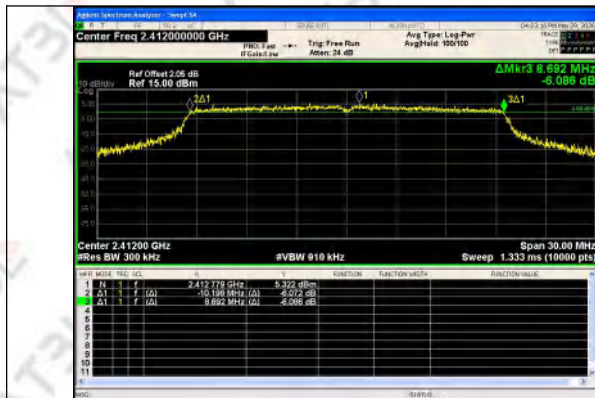
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	10.06	≥0.5	PASS
	6		2437	10.05		PASS
	11		2462	10.03		PASS
IEEE 802.11g	1		2412	23.14		PASS
	6		2437	16.40		PASS
	11		2462	16.40		PASS
IEEE 802.11n_20	1		2412	23.83		PASS
	6		2437	17.45		PASS
	11		2462	30.00		PASS
IEEE 802.11n_40	3		2422	36.30		PASS
	6		2437	36.40		PASS
	9		2452	36.07		PASS
IEEE 802.11ax_20	1		2412	18.89		PASS
	6		2437	18.83		PASS
	11		2462	18.70		PASS
IEEE 802.11ax_40	3		2422	37.77		PASS
	6		2437	37.21		PASS
	9		2452	37.90		PASS

Test Graphs



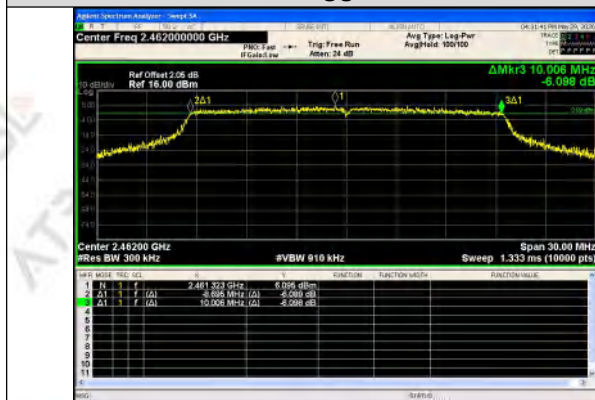




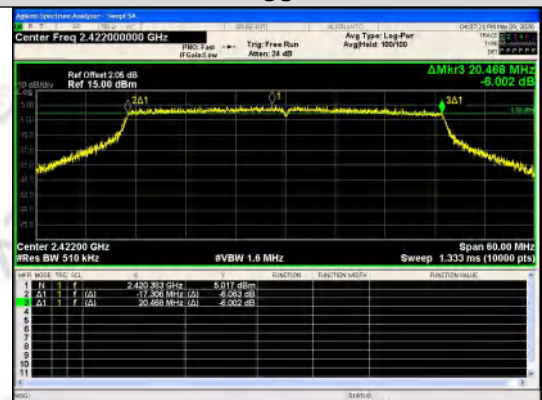
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



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

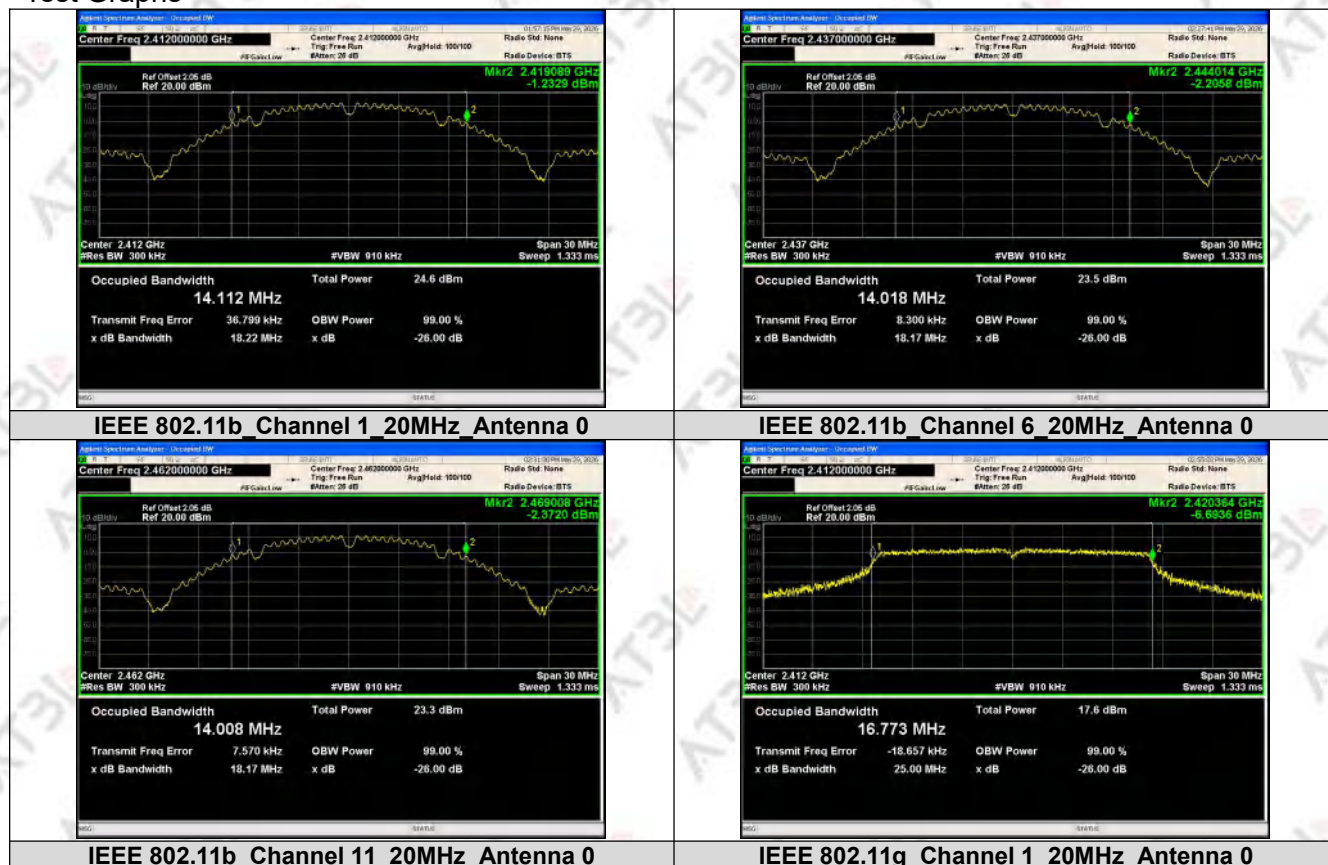


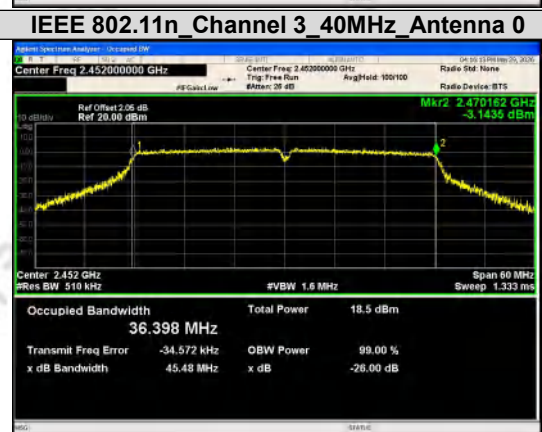
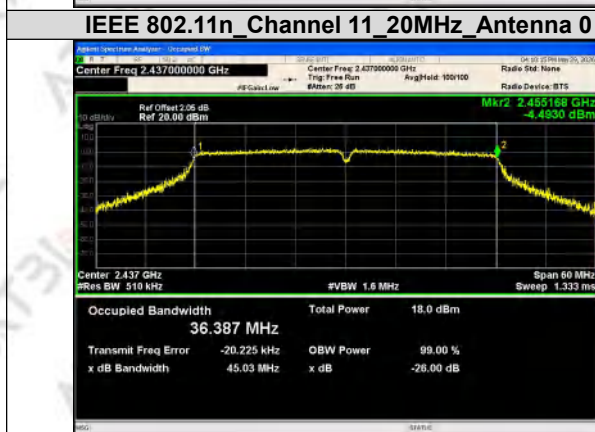
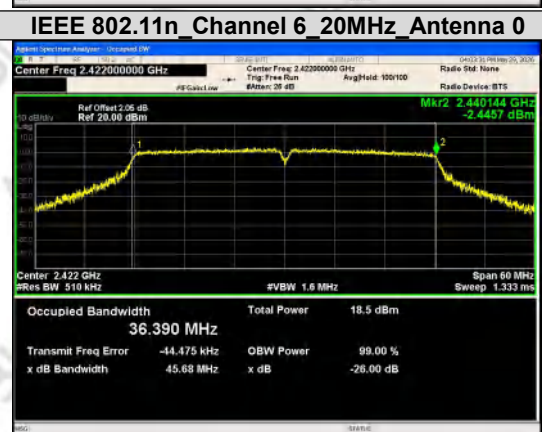
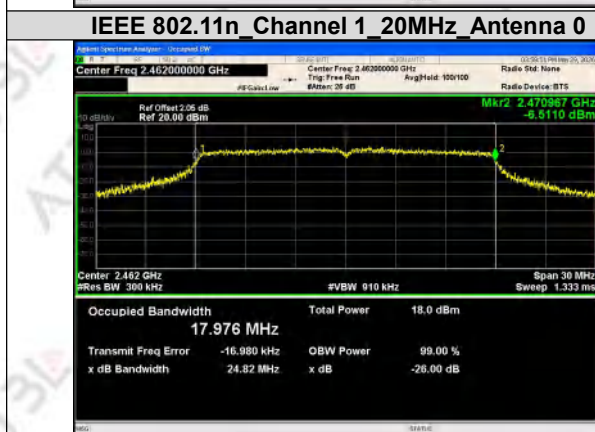
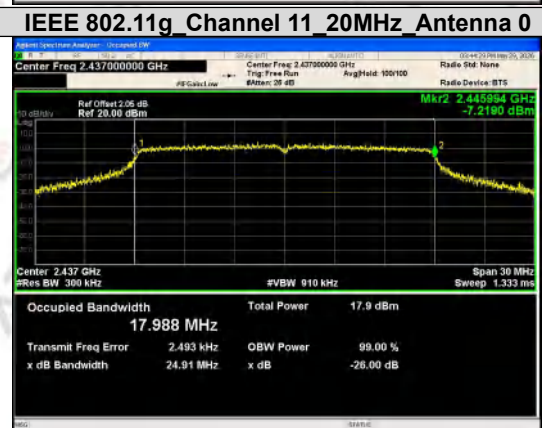
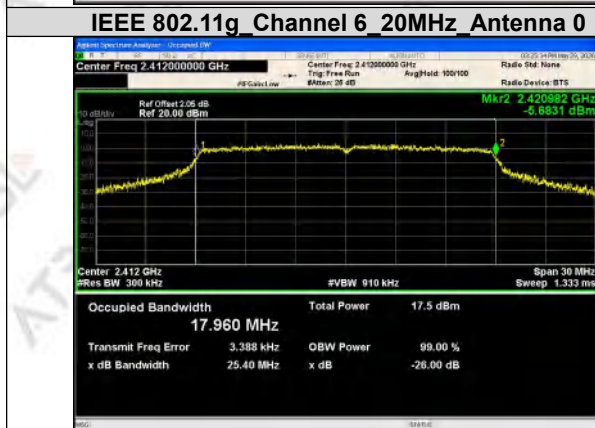
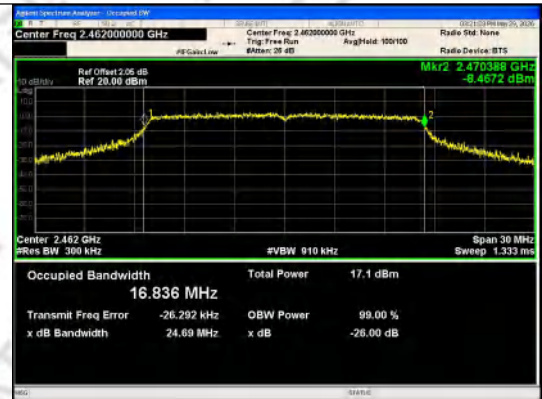
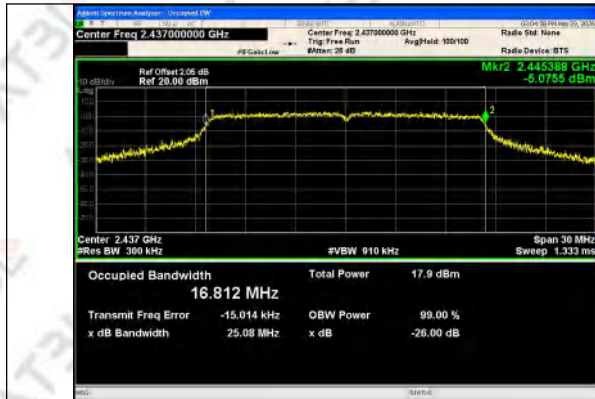
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU

99%dB Bandwidth

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	14.112
	6		2437	14.018
	11		2462	14.008
IEEE 802.11g	1		2412	16.773
	6		2437	16.812
	11		2462	16.836
IEEE 802.11n_20	1		2412	17.960
	6		2437	17.988
	11		2462	17.976
IEEE 802.11n_40	3		2422	36.390
	6		2437	36.387
	9		2452	36.398
IEEE 802.11ax_20	1		2412	19.059
	6		2437	19.049
	11		2462	19.008
IEEE 802.11ax_40	3		2422	37.838
	6		2437	37.760
	9		2452	37.729

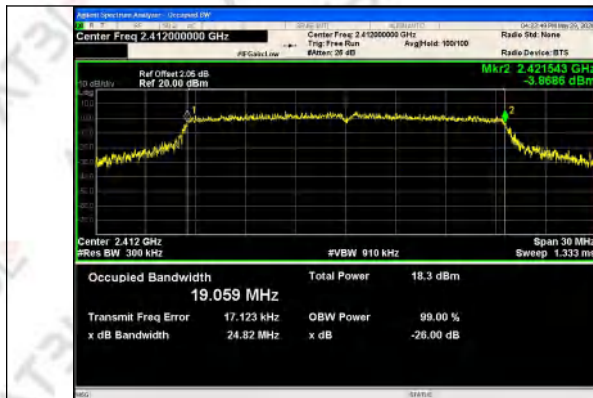
Test Graphs



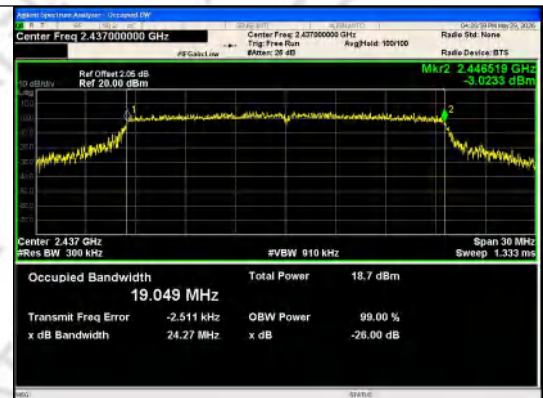


IEEE 802.11n Channel 6 40MHz Antenna 0

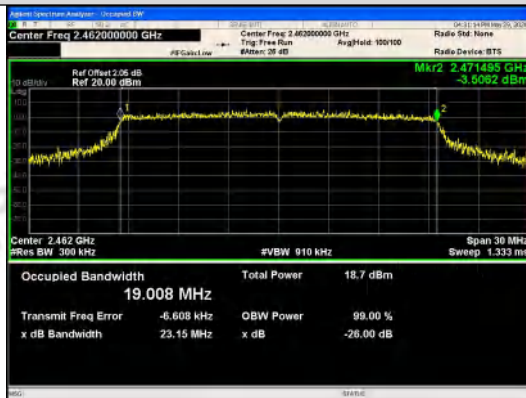
IEEE 802.11n Channel 9 40MHz Antenna 0



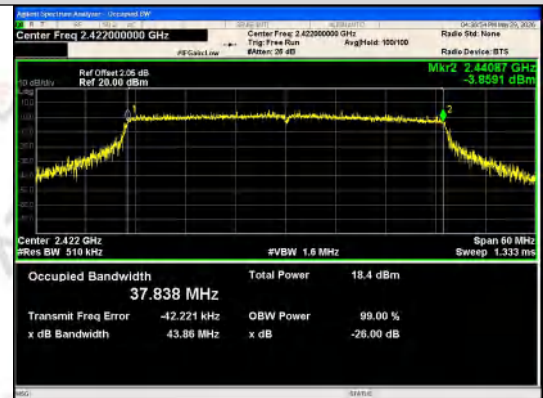
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



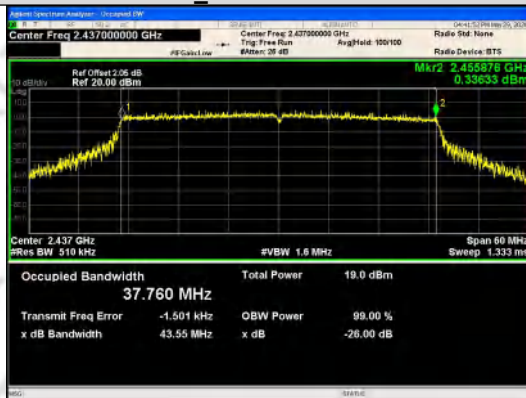
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU



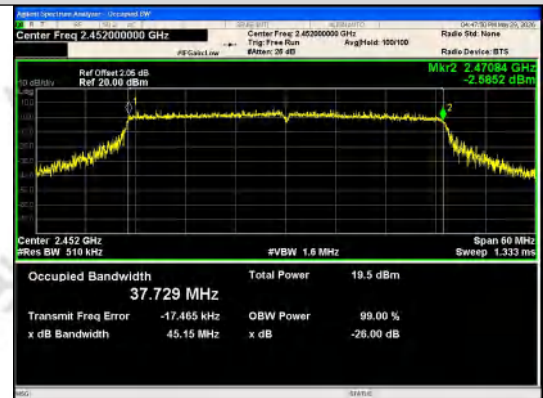
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



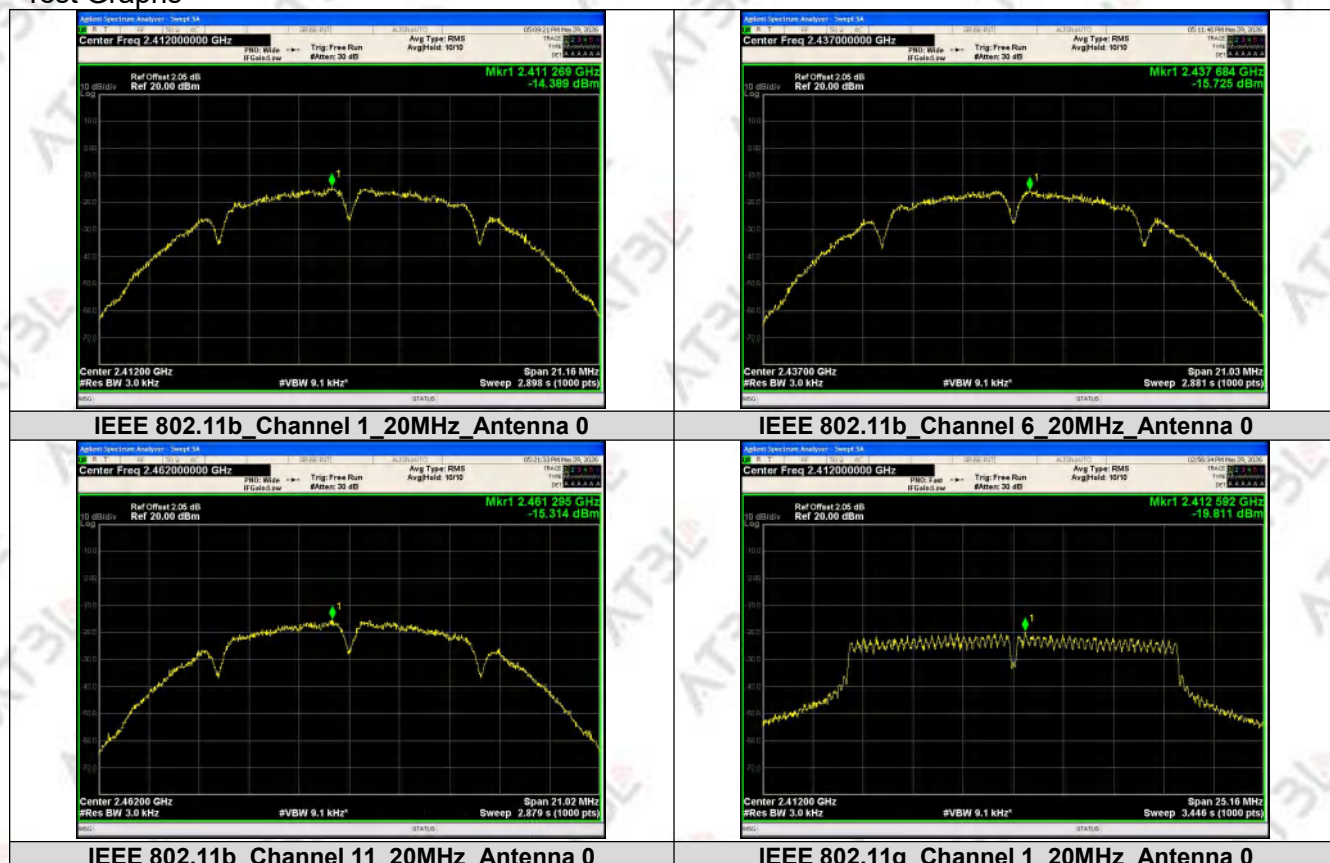
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU

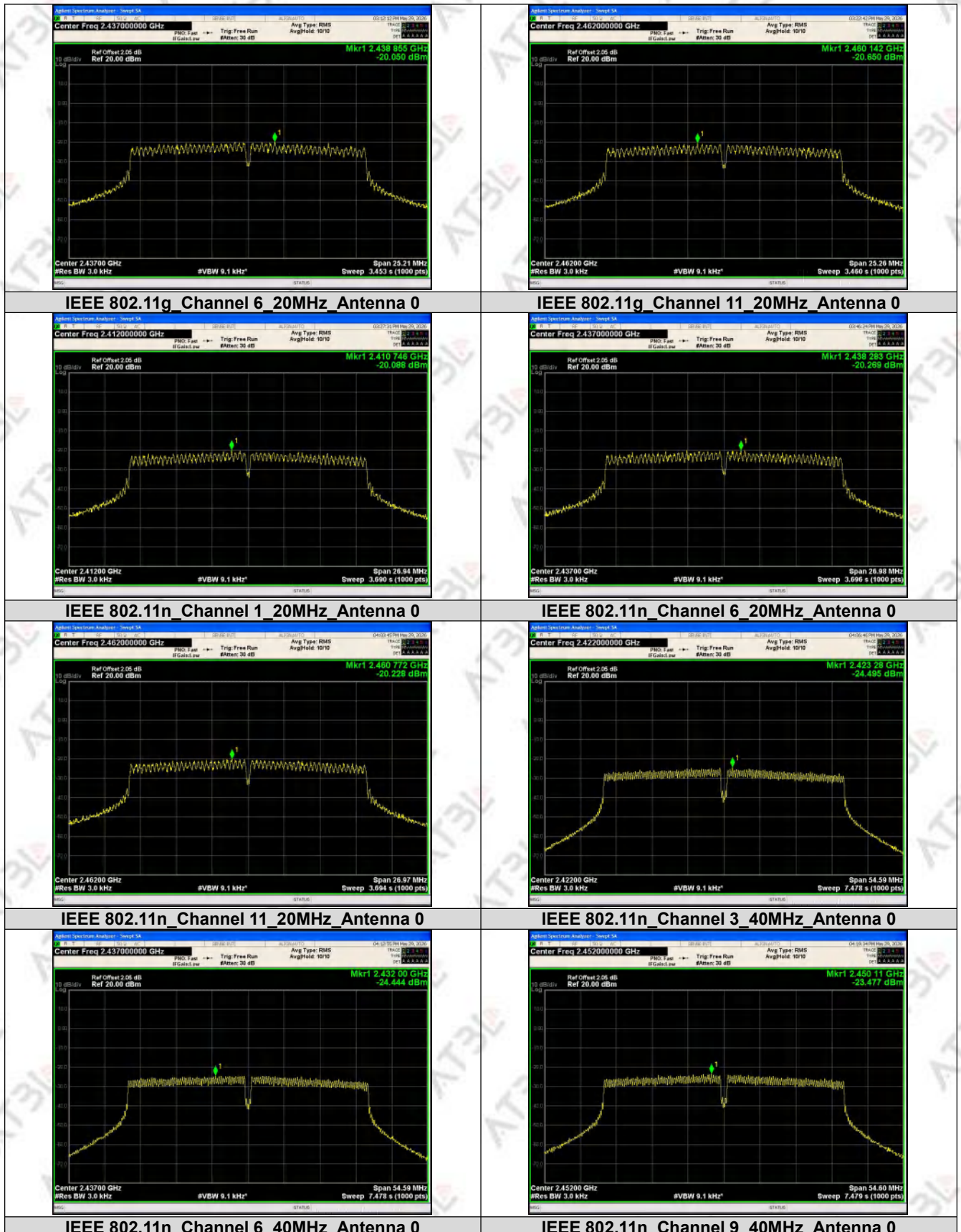
A4.Power Spectral Density

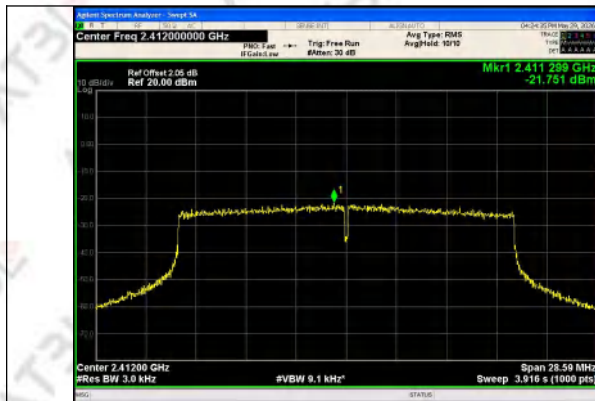
Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-14.39	≤8	PASS
	6	-15.72		PASS
	11	-15.31		PASS
IEEE 802.11g	1	-19.81		PASS
	6	-20.05		PASS
	11	-20.65		PASS
IEEE 802.11n_20	1	-20.09		PASS
	6	-20.27		PASS
	11	-20.23		PASS
IEEE 802.11n_40	3	-24.50		PASS
	6	-24.44		PASS
	9	-23.48		PASS
IEEE 802.11ax_20	1	-21.75		PASS
	6	-21.64		PASS
	11	-21.76		PASS
IEEE 802.11ax_40	3	-25.54		PASS
	6	-25.29		PASS
	9	-14.39		PASS

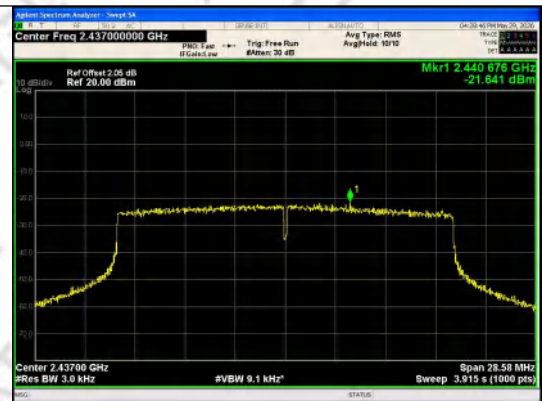
Test Graphs



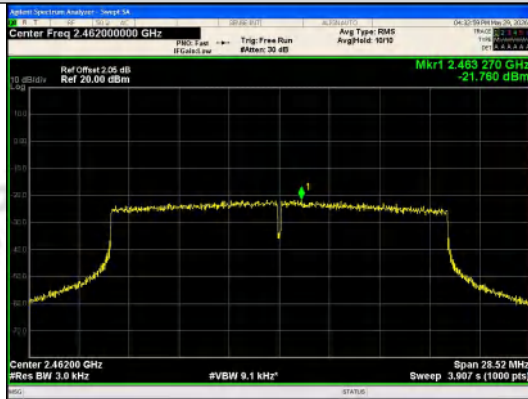




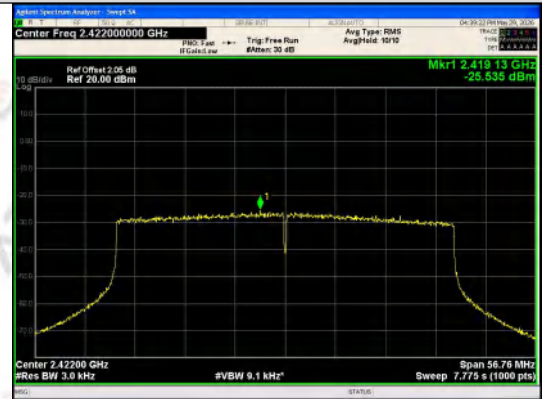
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



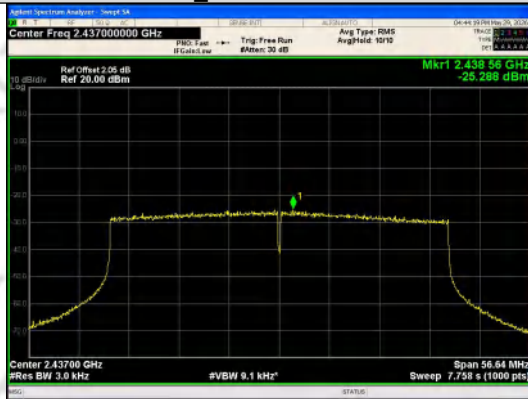
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU



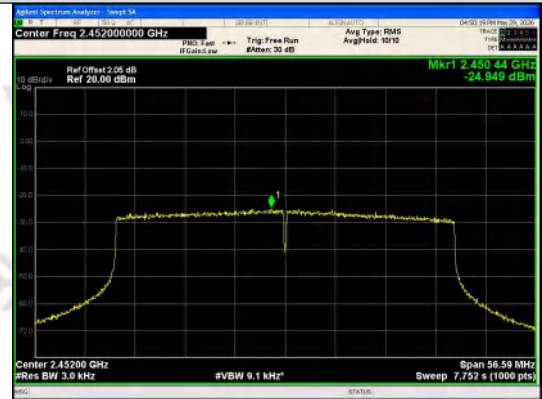
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



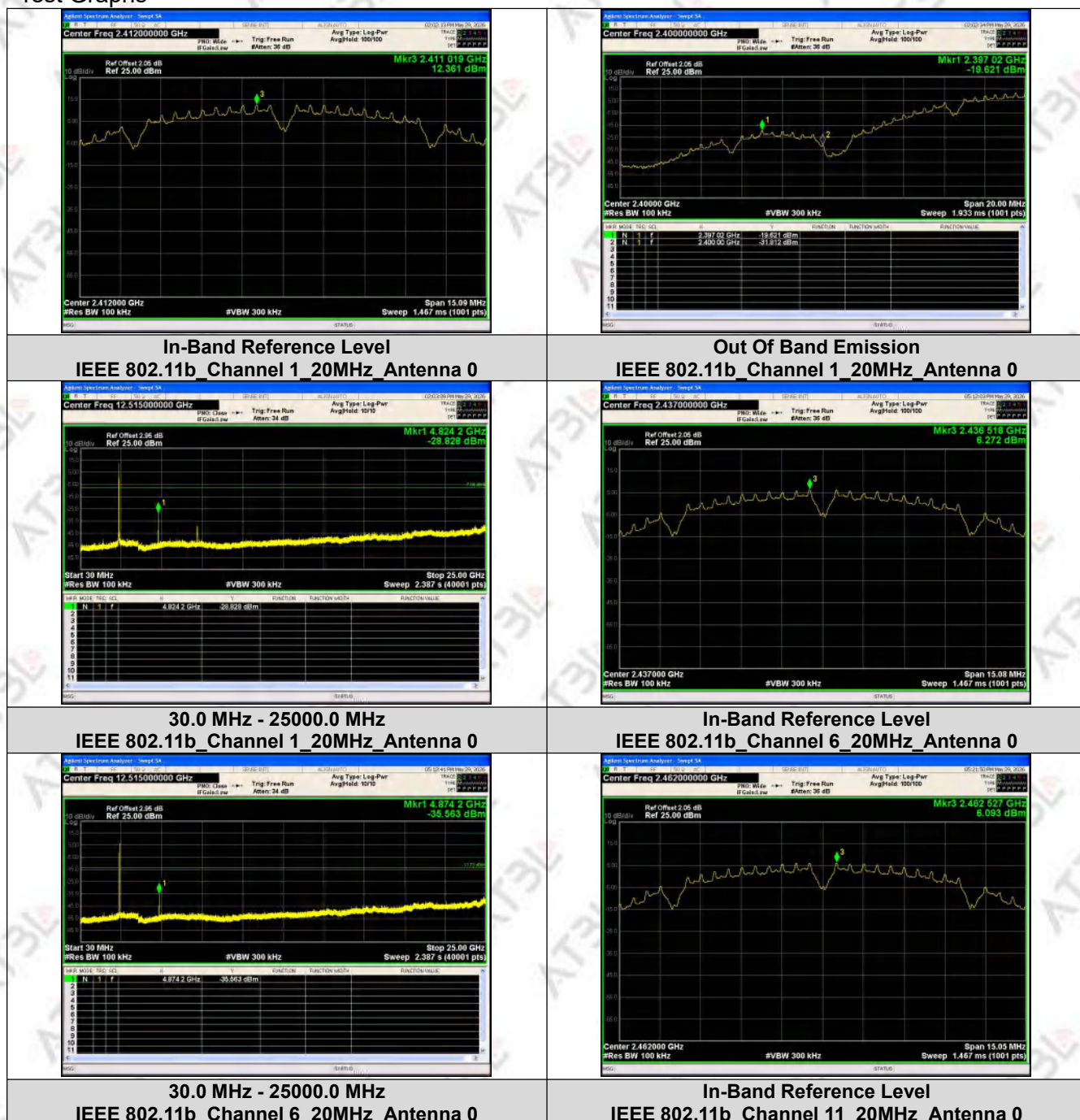
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU

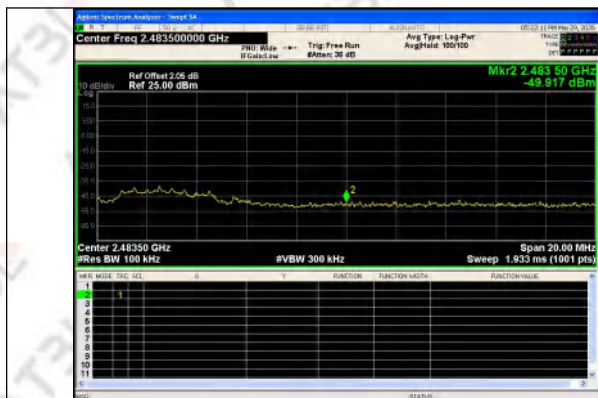
A5.Conducted Band Edge and Conducted Spurious Emission

Test Result

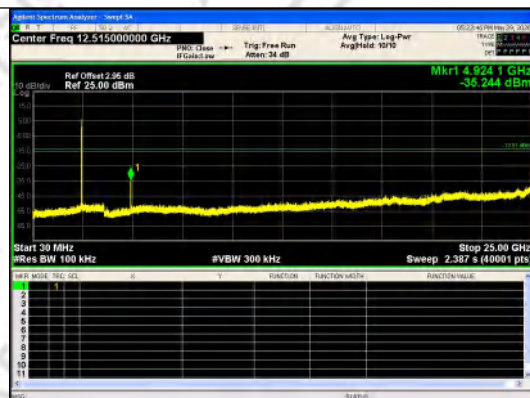
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2397.02	-19.621	-7.64	-11.981	PASS	
			2400.00	-31.812	-7.64	-24.172	PASS	
			4824.20	-28.828	-7.64	-21.188	PASS	
	6		4874.18	-35.563	-13.73	-21.833	PASS	
			11	2483.50	-49.917	-13.91	-36.007	PASS
				4924.12	-35.244	-13.91	-21.334	PASS
IEEE 802.11g	1			2400.00	-28.190	-19.11	-9.080	PASS
			24870.8	-38.277	-19.11	-19.167	PASS	
	6		24912.0	-38.061	-18.93	-19.131	PASS	
			11	2483.50	-48.203	-19.95	-28.253	PASS
				24375.1	-38.107	-19.95	-18.157	PASS
IEEE 802.11n_20	1		2400.00	-27.476	-18.64	-8.836	PASS	
			24911.4	-38.657	-18.64	-20.017	PASS	
	6		24852.7	-37.641	-18.86	-18.781	PASS	
			11	2483.50	-47.550	-18.95	-28.600	PASS
				24872.0	-37.777	-18.95	-18.827	PASS
IEEE 802.11n_40	3		2400.00	-32.207	-21.86	-10.347	PASS	
			24270.9	-38.889	-21.86	-17.029	PASS	
	6		24963.2	-37.887	-21.39	-16.497	PASS	
			9	2483.50	-45.510	-21.04	-24.470	PASS
				24934.5	-38.590	-21.04	-17.550	PASS
IEEE 802.11ax_20	1		2400.00	-28.953	-18.41	-10.543	PASS	
			24255.3	-38.761	-18.41	-20.351	PASS	
	6		24869.5	-38.063	-18.88	-19.183	PASS	
			11	2483.50	-40.637	-17.99	-22.647	PASS
				24965.0	-38.848	-17.99	-20.858	PASS
IEEE 802.11ax_40	3		2400.00	-31.665	-22.08	-9.585	PASS	
			24777.8	-38.096	-22.08	-16.016	PASS	
	6		24879.5	-38.192	-21.72	-16.472	PASS	
			9	2483.50	-46.554	-21.22	-25.334	PASS
				24730.3	-37.949	-21.22	-16.729	PASS

Test Graphs

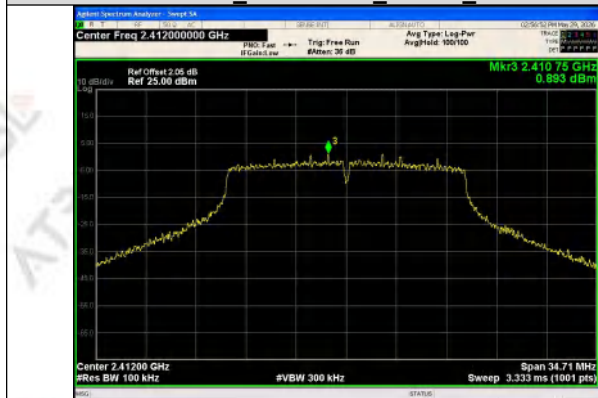




Out Of Band Emission
IEEE 802.11b Channel 11 20MHz Antenna 0



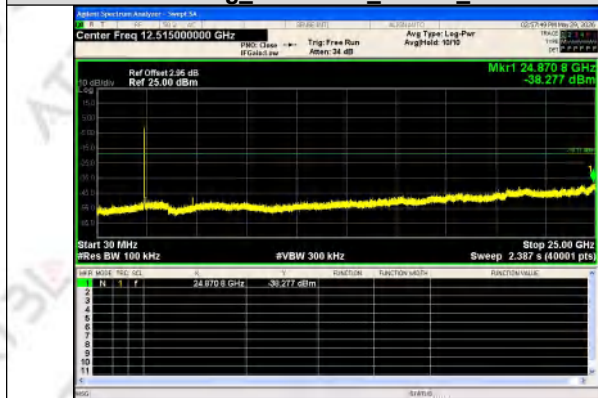
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 11 20MHz Antenna 0



In-Band Reference Level
IEEE 802.11g Channel 1 20MHz Antenna 0



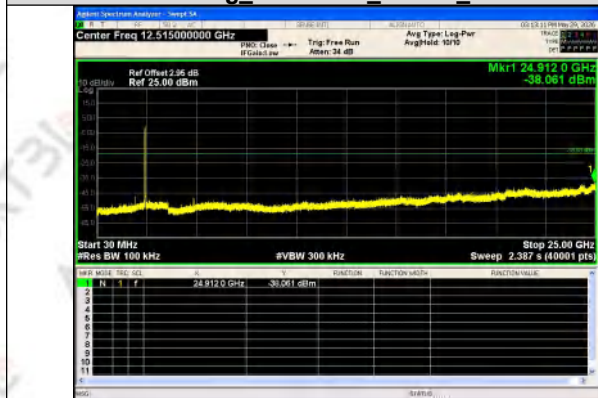
Out Of Band Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 1 20MHz Antenna 0



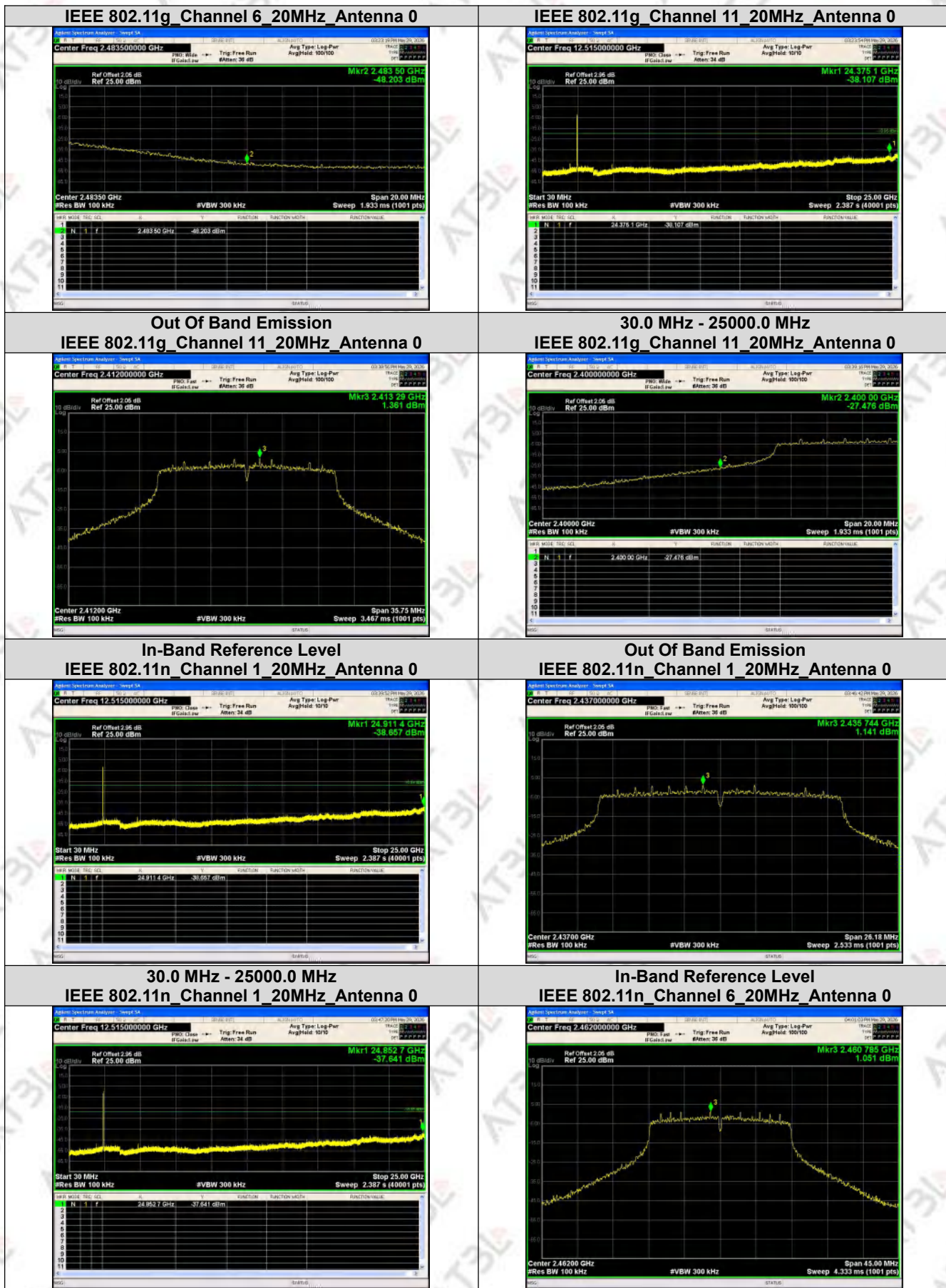
In-Band Reference Level
IEEE 802.11g Channel 6 20MHz Antenna 0

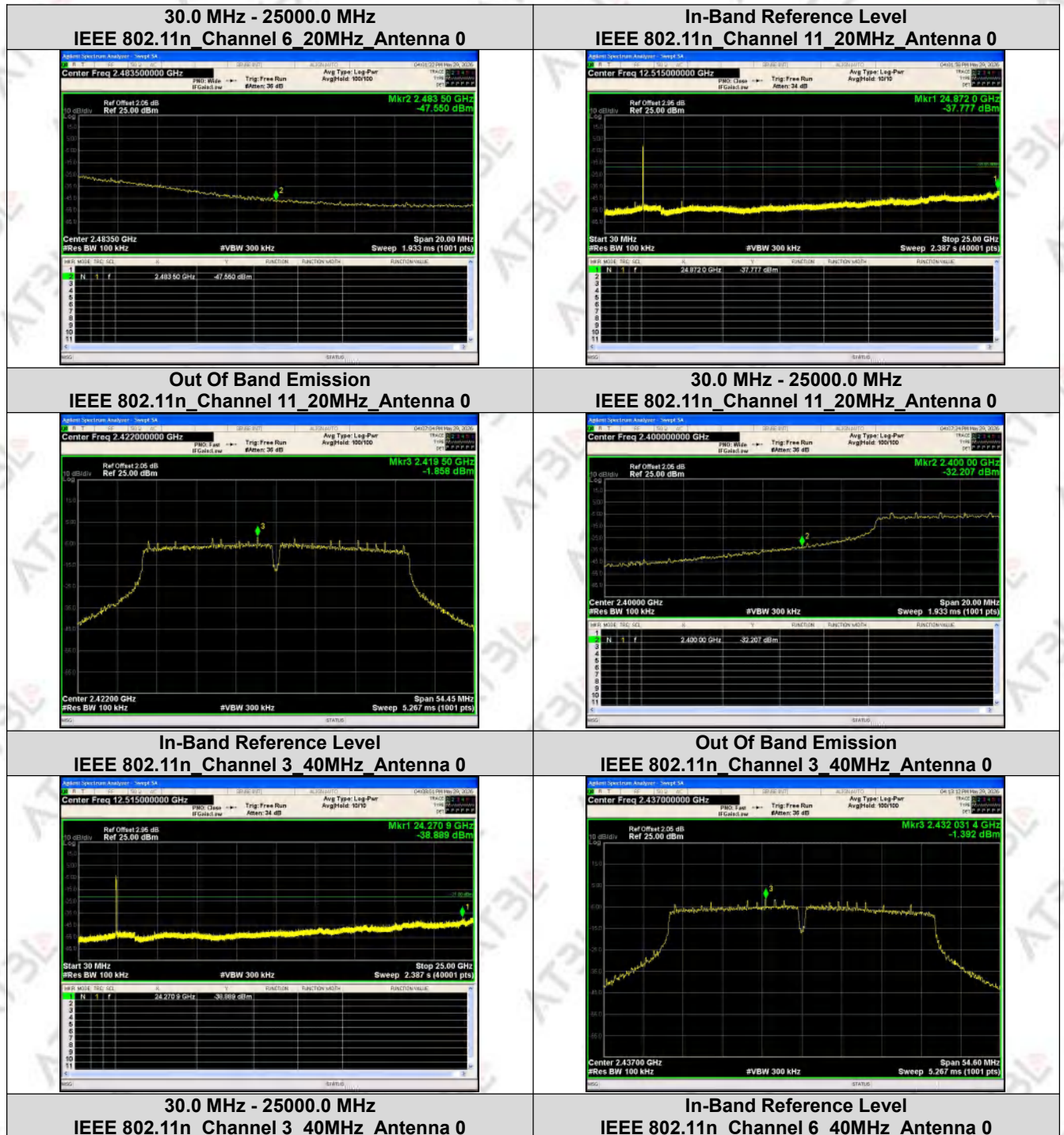


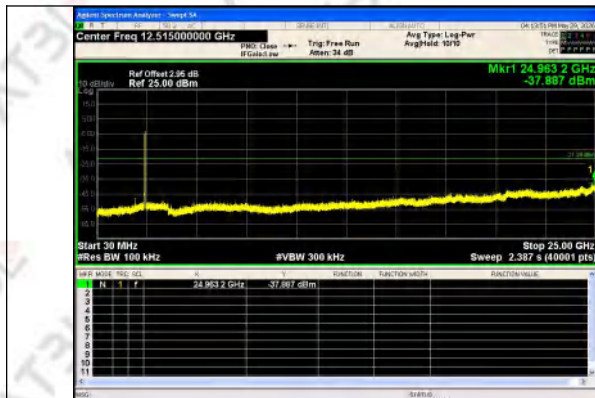
30.0 MHz - 25000.0 MHz



In-Band Reference Level



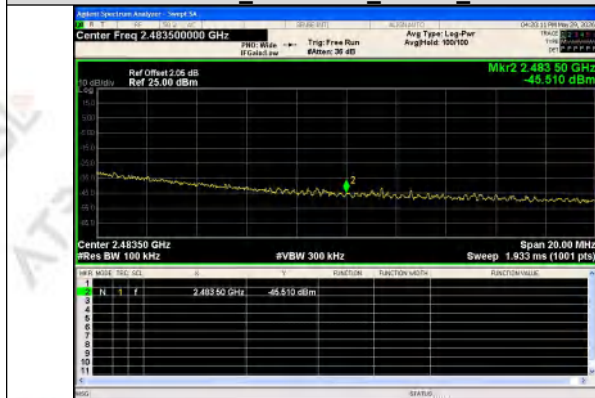




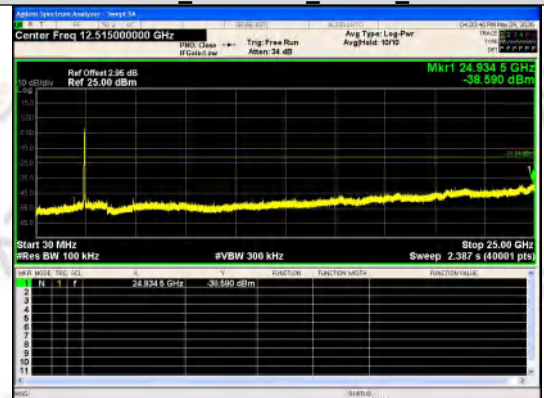
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



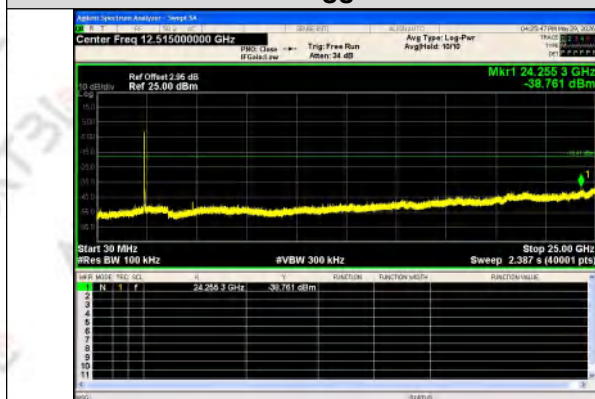
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0



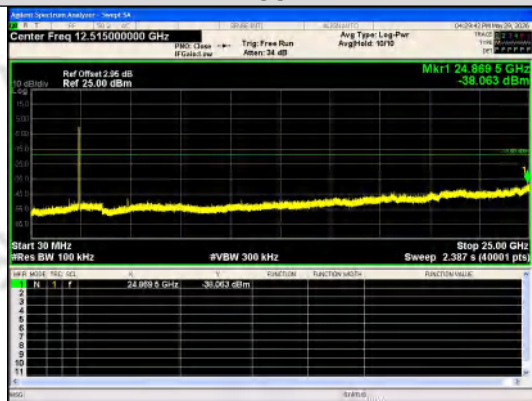
In-Band Reference Level
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



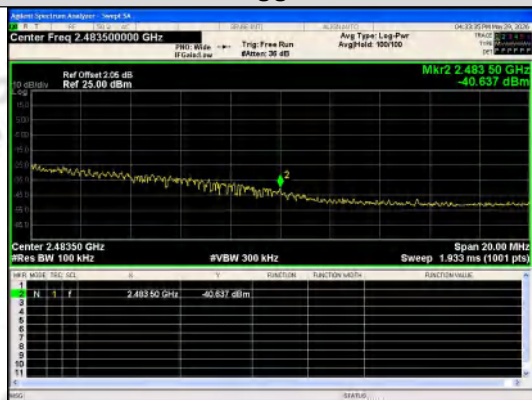
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index
SU



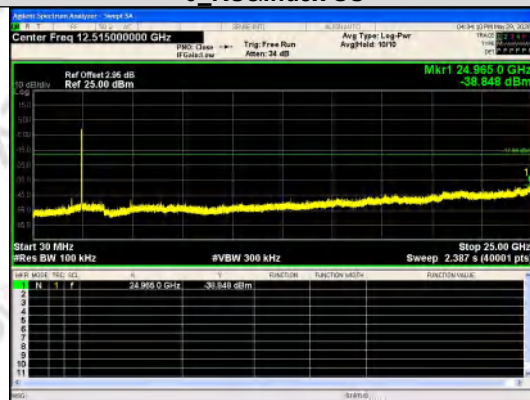
In-Band Reference Level
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index
SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index
SU



In-Band Reference Level
IEEE 802.11ax_Channel 11_20MHz_Antenna
0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax_Channel 11_20MHz_Antenna
0_RU&Index SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 11_20MHz_Antenna
0_RU&Index SU

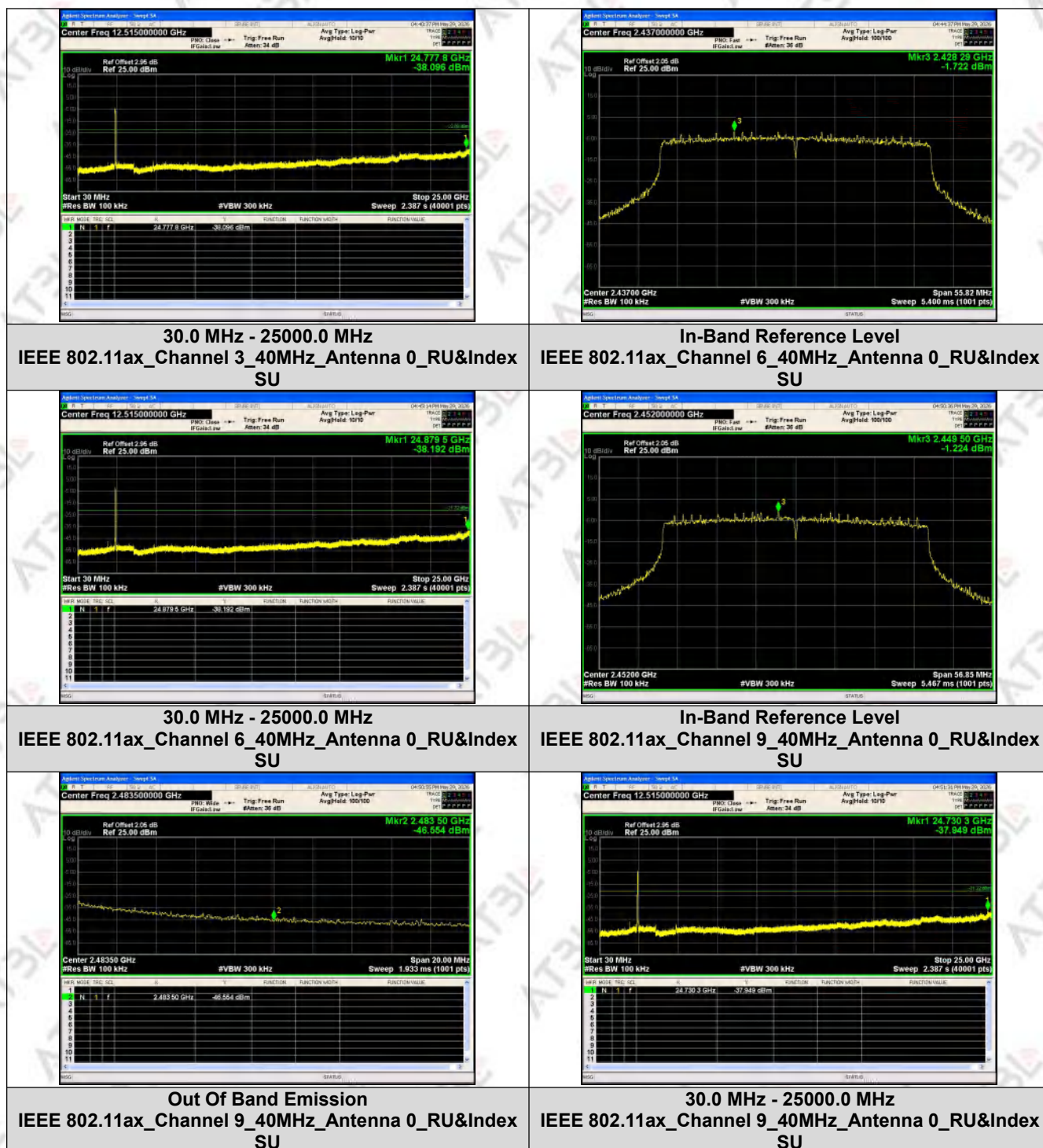


In-Band Reference Level
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index
SU



Out Of Band Emission
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