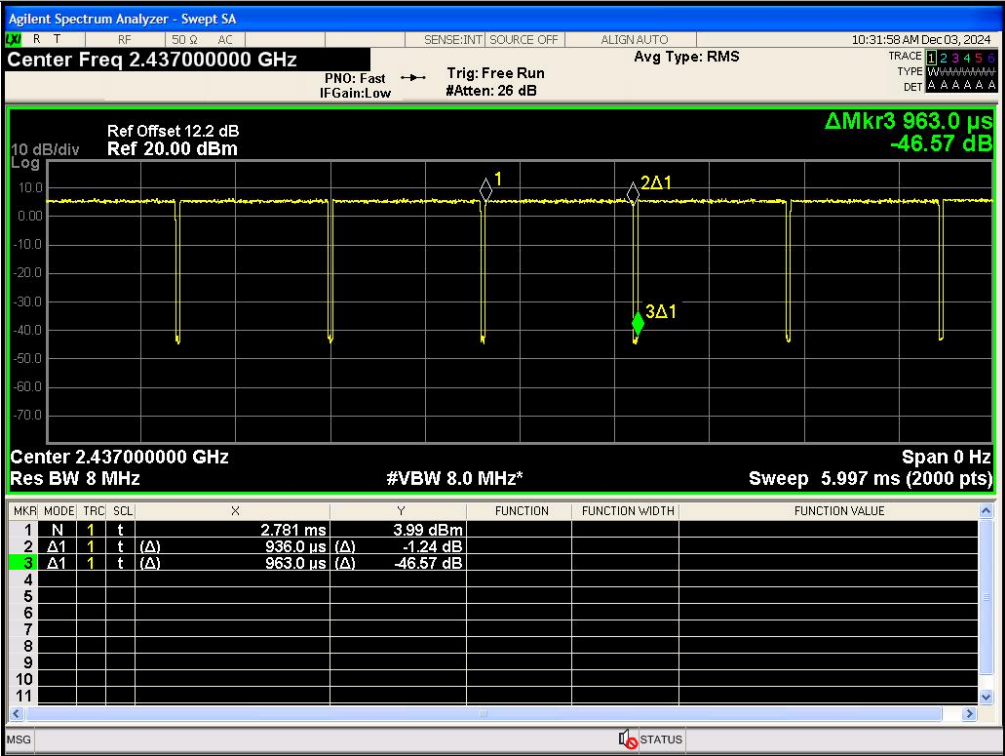
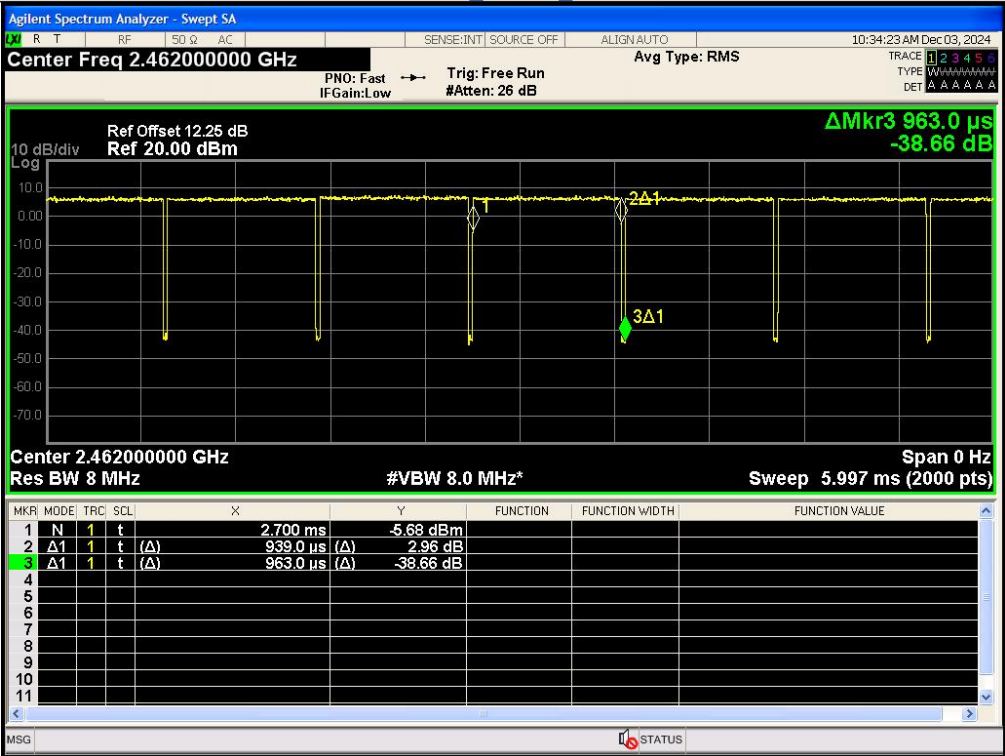
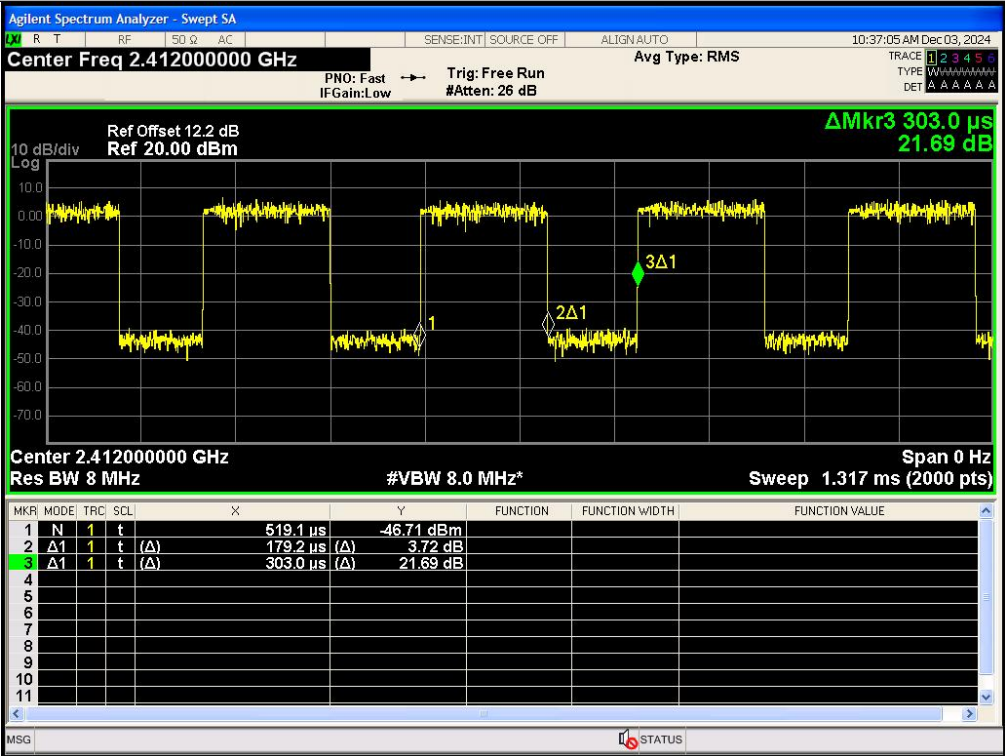




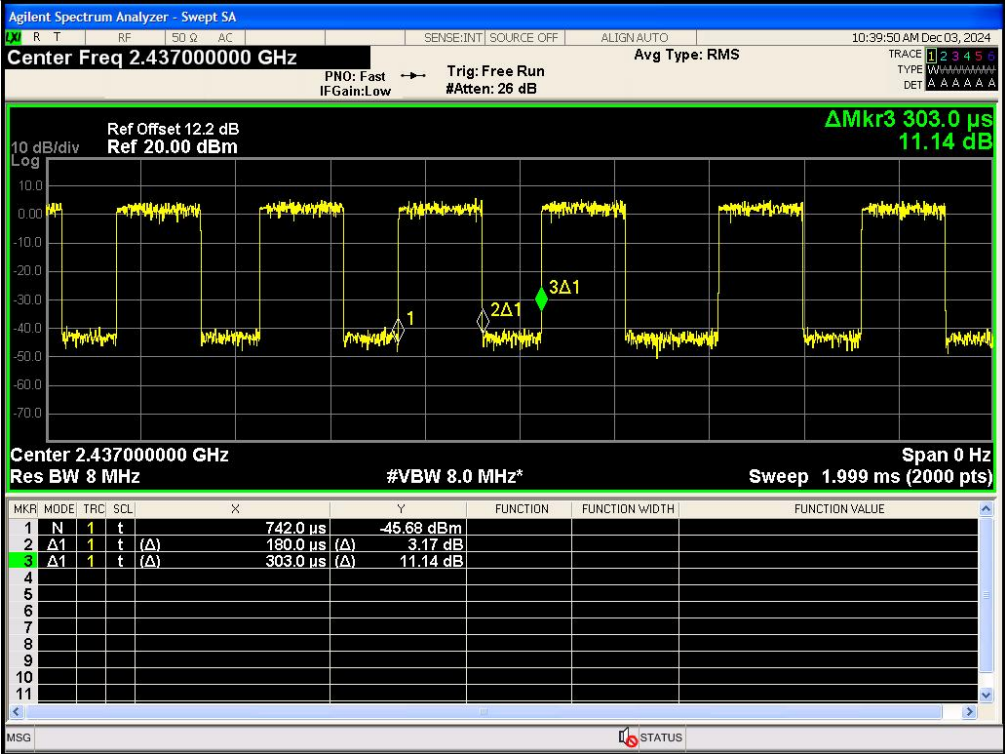
IEEE 802.11b_20MHz_Channel 6



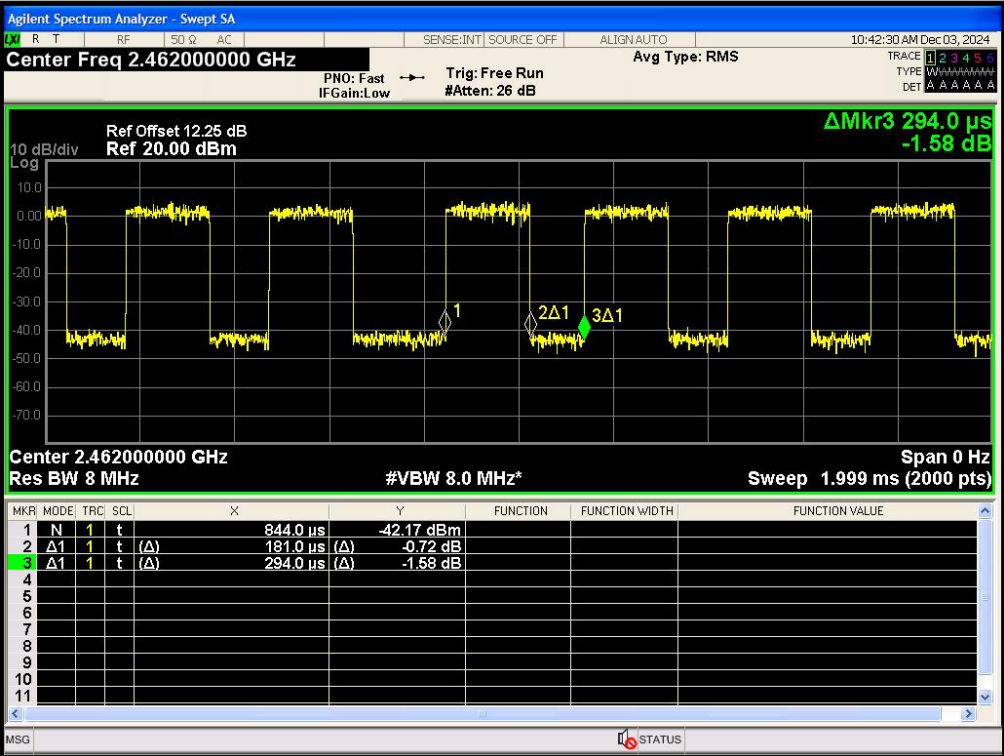
IEEE 802.11b_20MHz_Channel 11



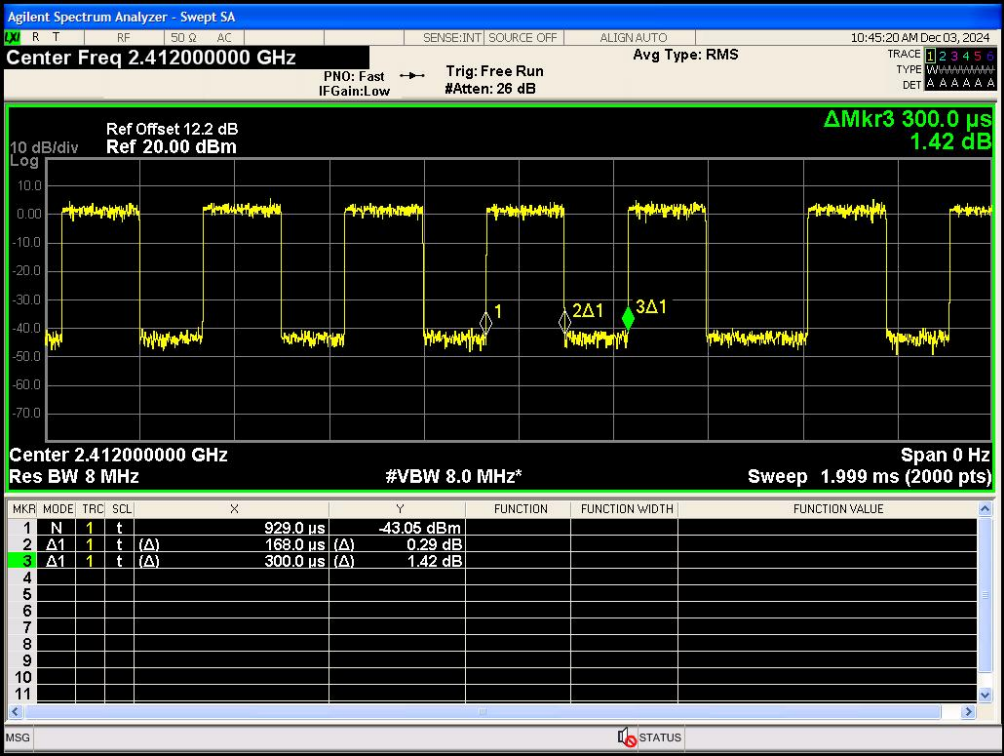
IEEE 802.11g_20MHz_Channel 1



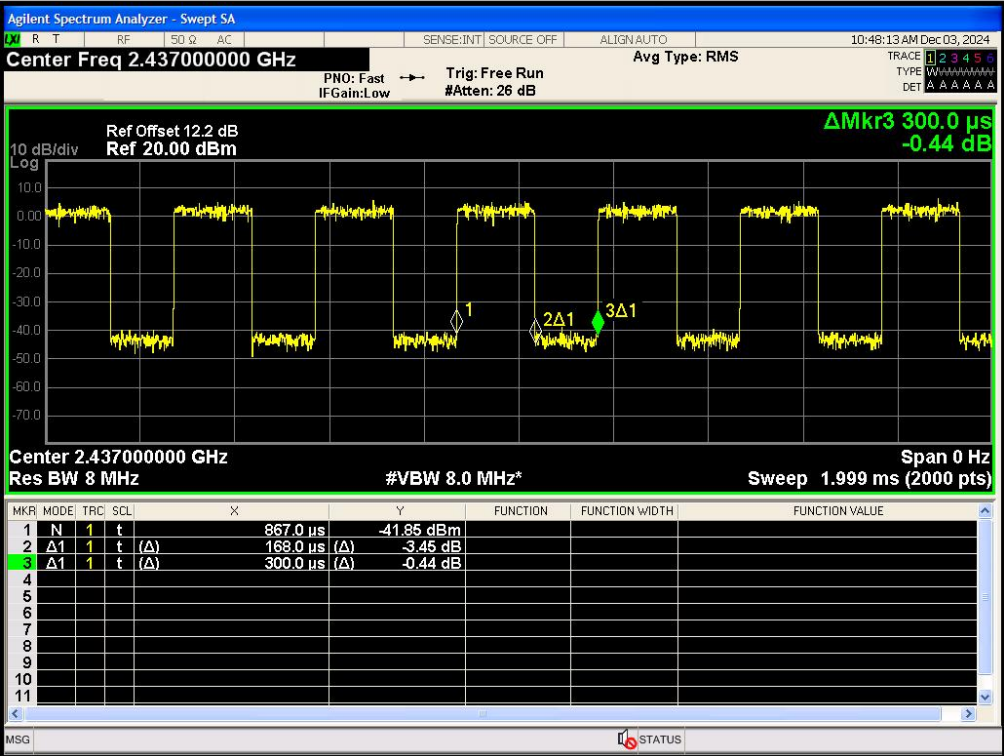
IEEE 802.11g_20MHz_Channel 6



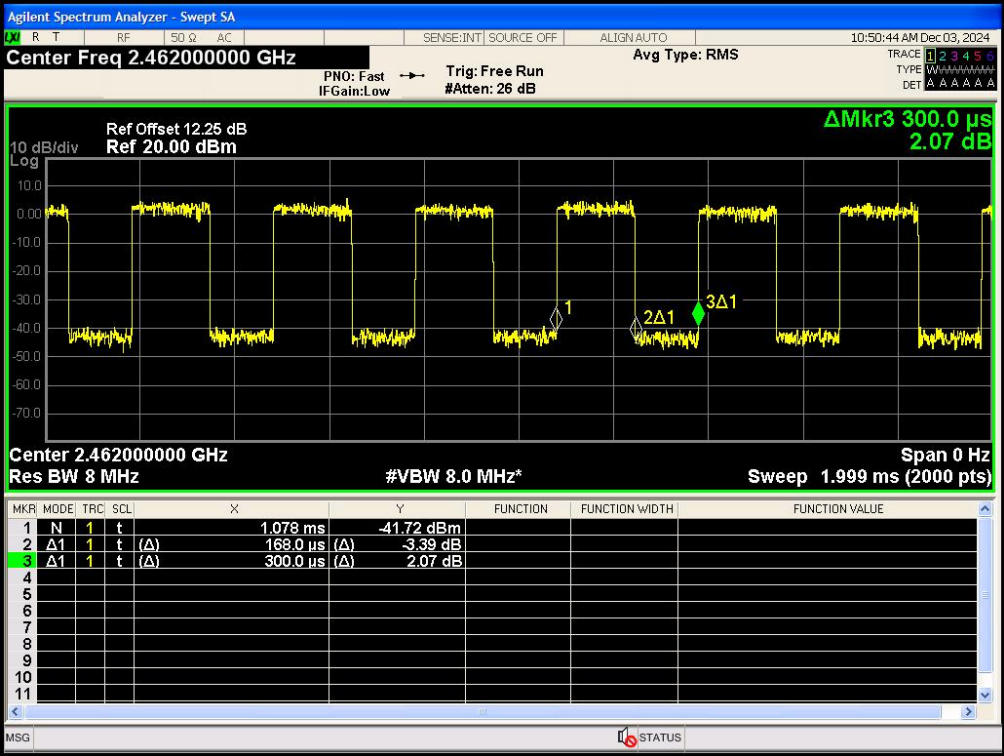
IEEE 802.11g_20MHz_Channel 11



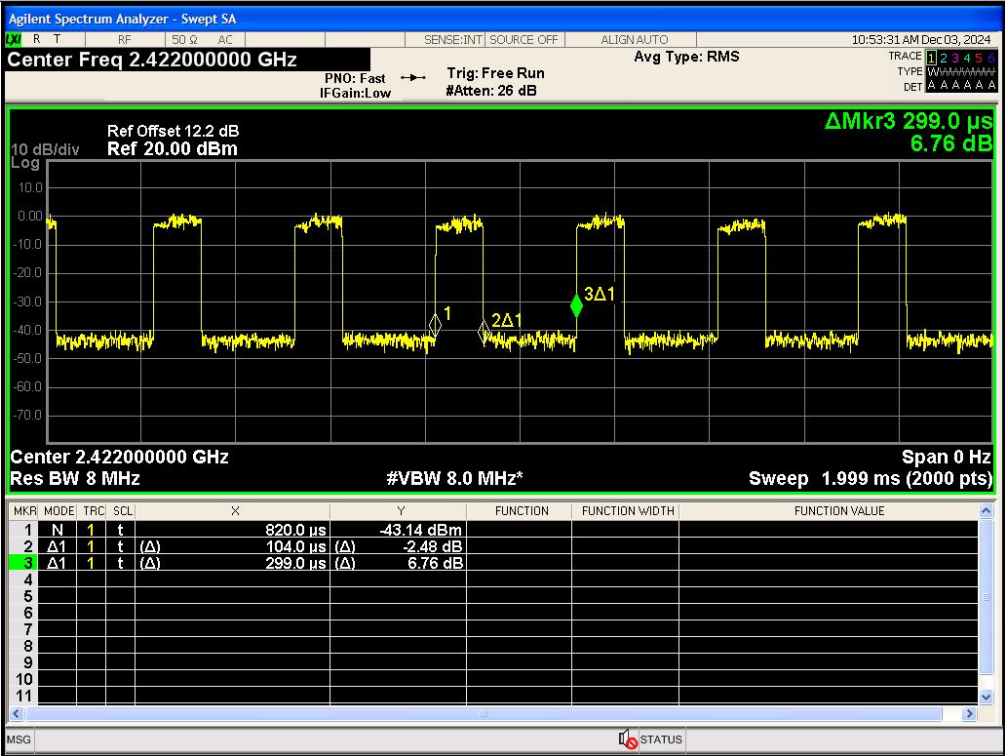
IEEE 802.11n_20MHz_Channel 1



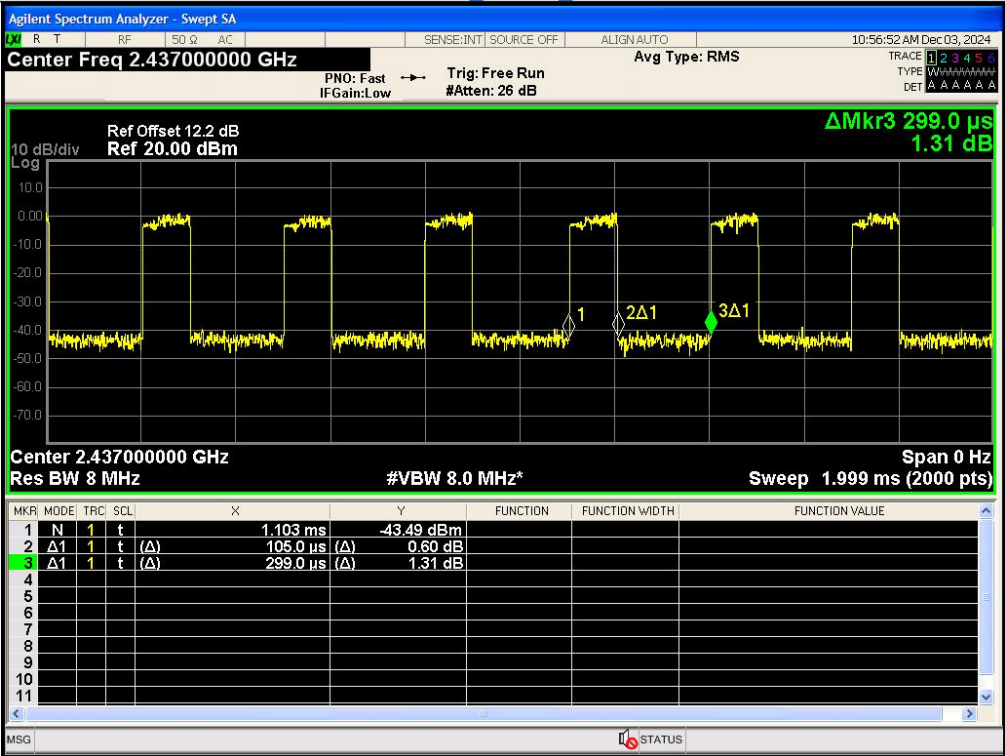
IEEE 802.11n_20MHz_Channel 6



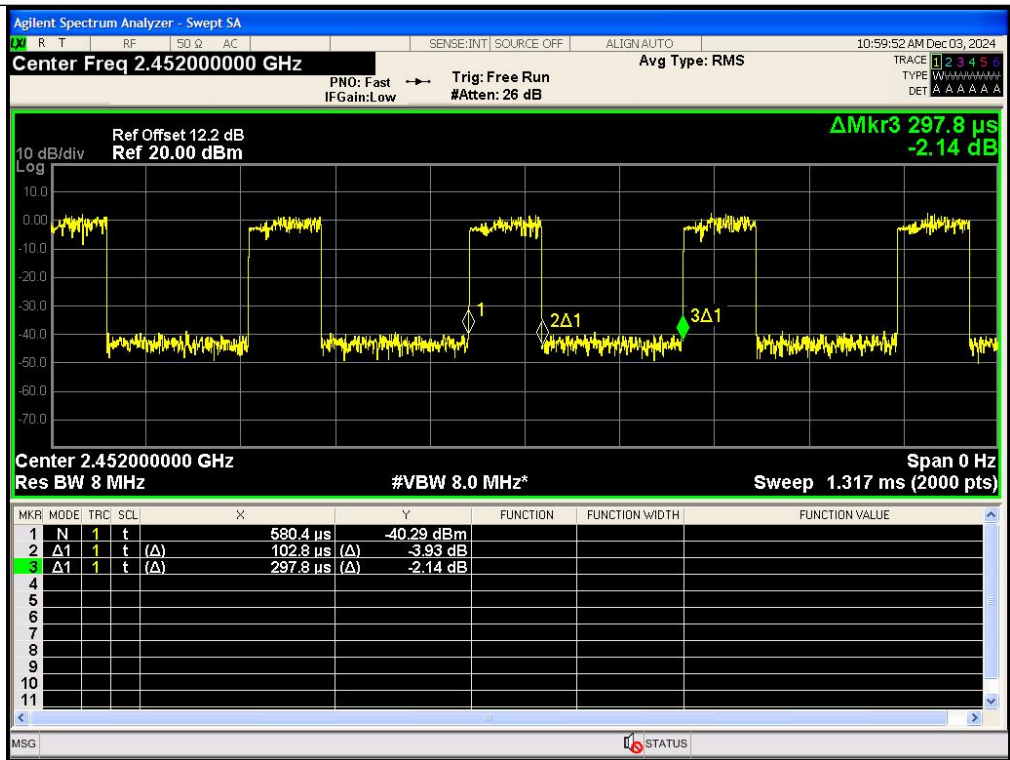
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



IEEE 802.11n_40MHz_Channel 9

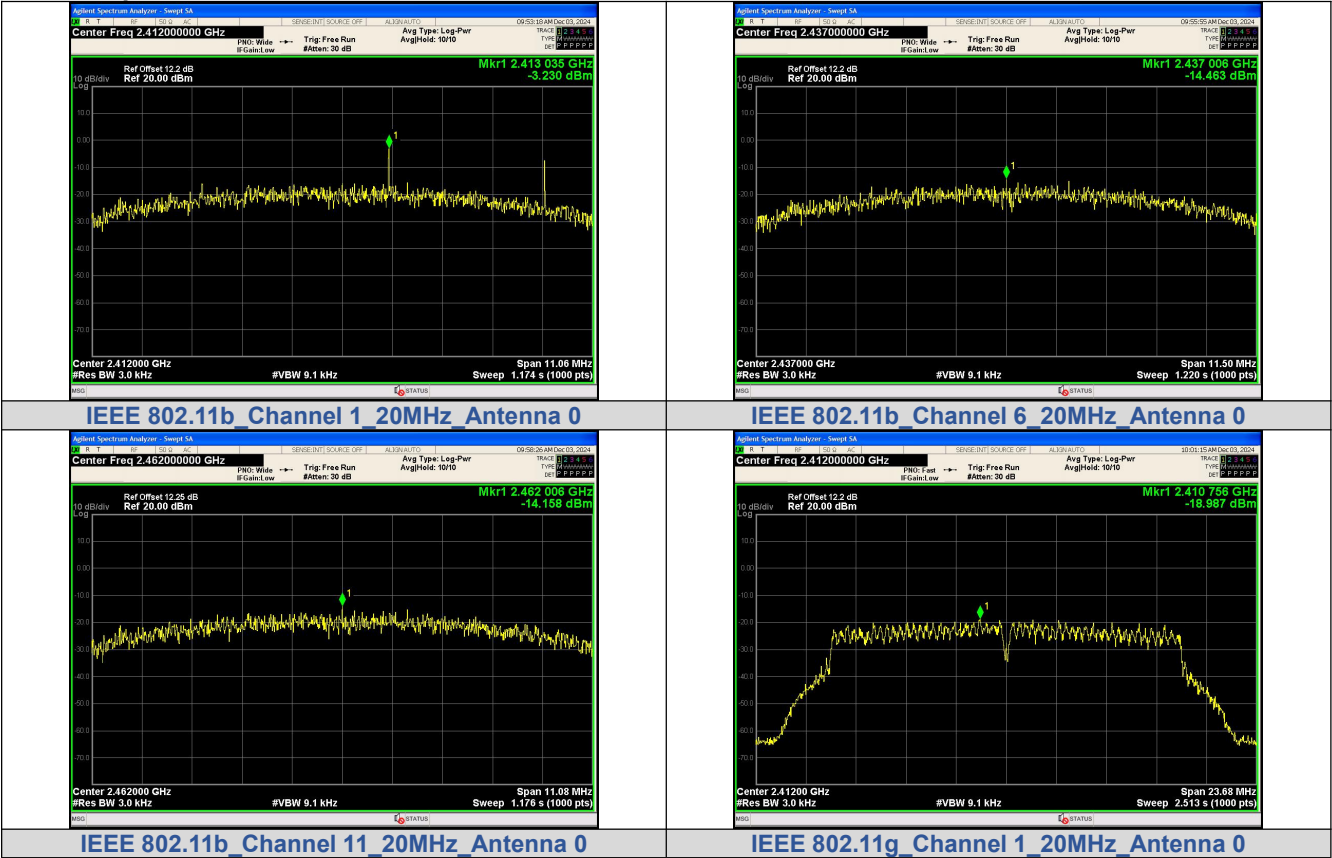
APPENDIX II. Power Spectral Density
Antenna A:

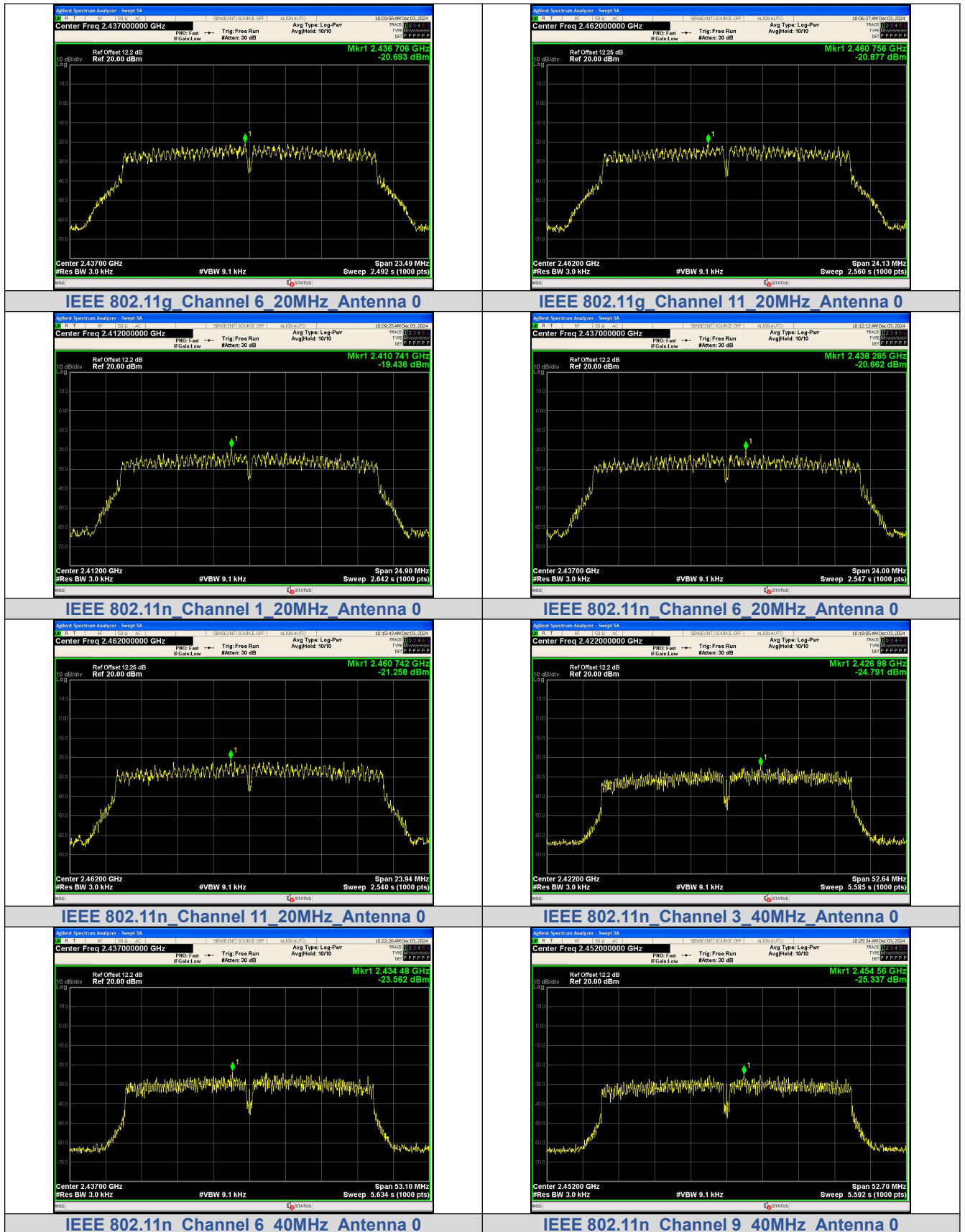
Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-3.230	≤8	PASS
	6	-14.463		PASS
	11	-14.158		PASS
IEEE 802.11g	1	-18.987		PASS
	6	-20.693		PASS
	11	-20.877		PASS
IEEE 802.11n_20	1	-19.436		PASS
	6	-20.662		PASS
	11	-21.258		PASS
IEEE 802.11n_40	3	-24.791		PASS
	6	-23.562		PASS
	9	-25.337		PASS

Note1:Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

Test Graphs





Antenna B:

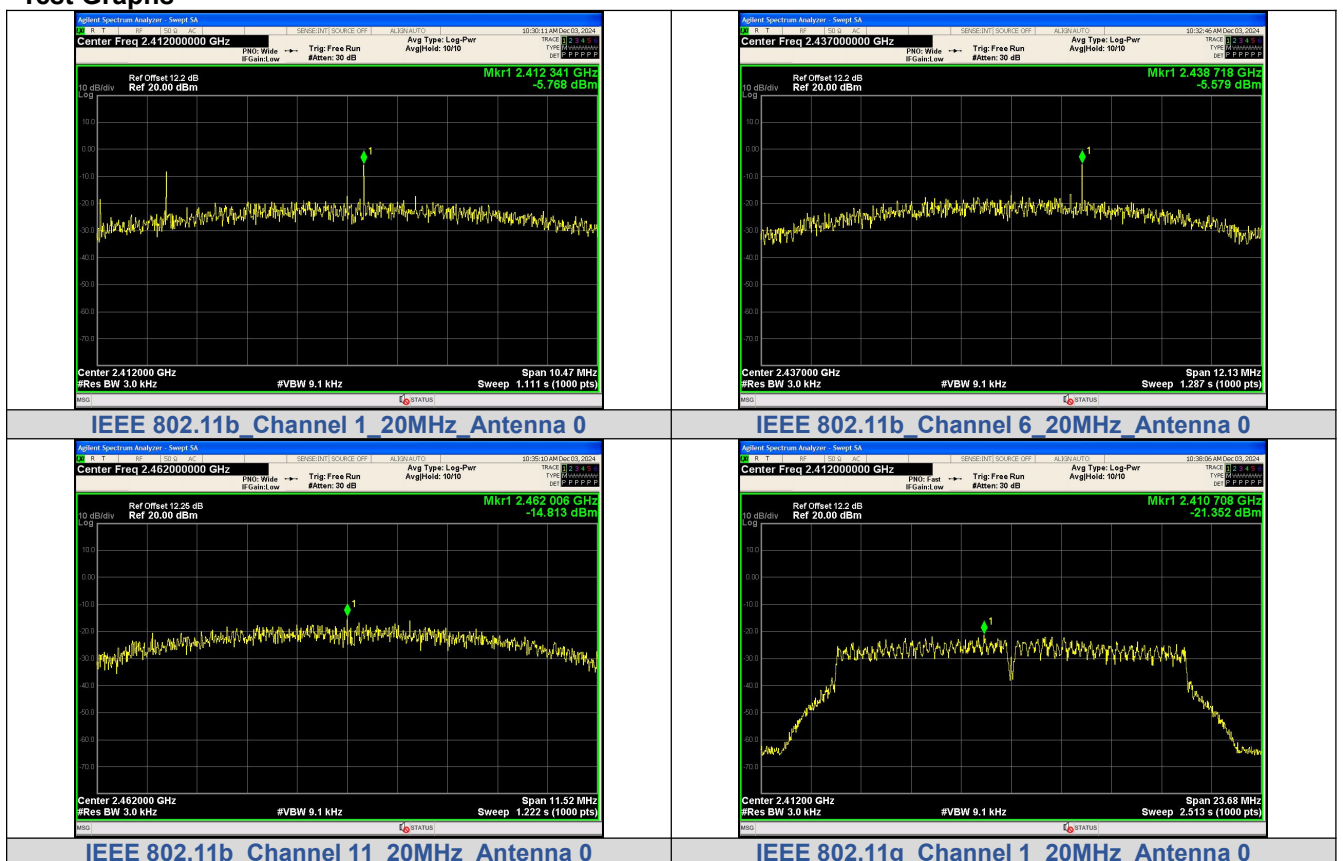
Test Result

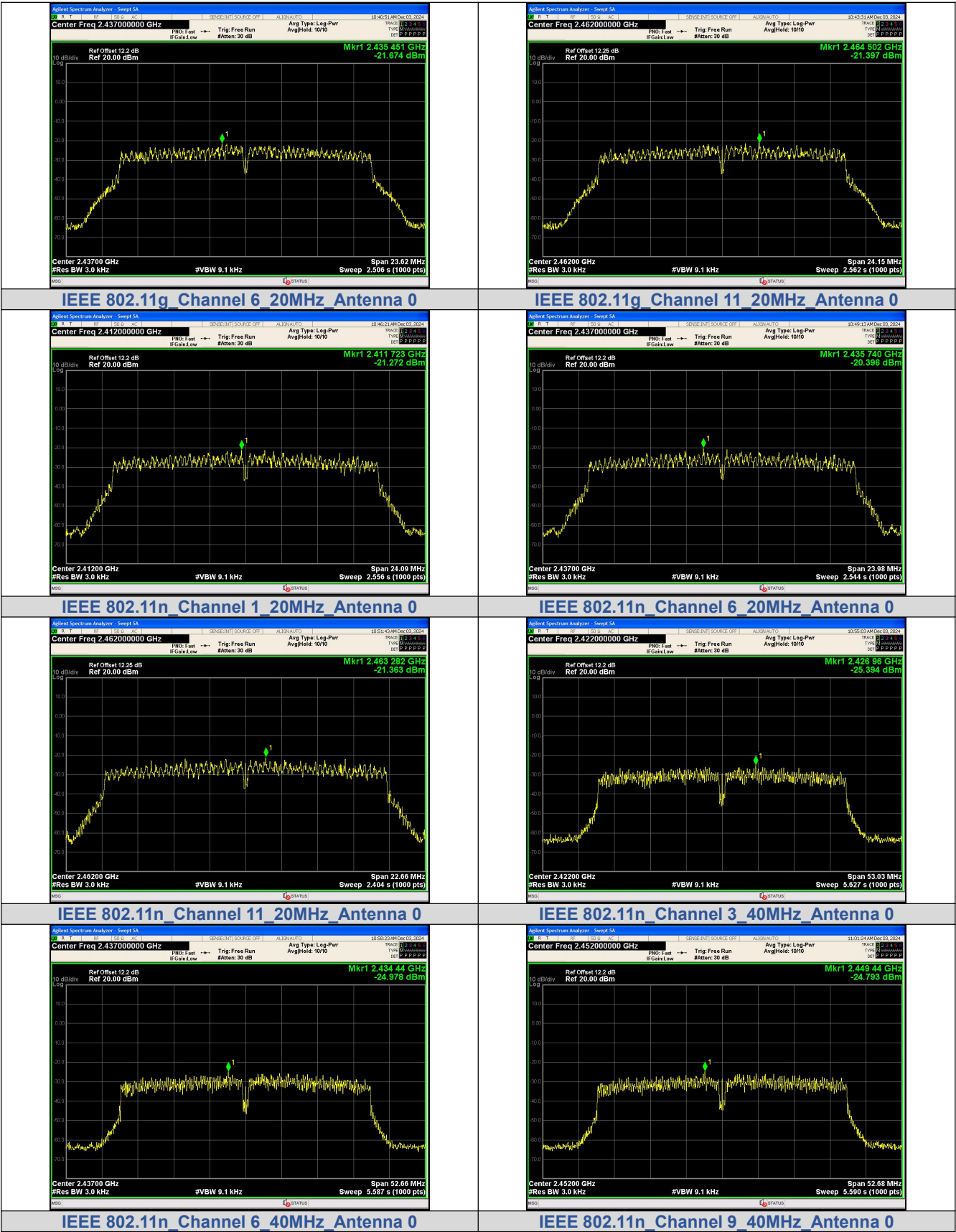
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-5.768	≤8	PASS
	6	-5.579		PASS
	11	-14.813		PASS
IEEE 802.11g	1	-21.352		PASS
	6	-21.674		PASS
	11	-21.397		PASS
IEEE 802.11n_20	1	-21.272		PASS
	6	-20.396		PASS
	11	-21.363		PASS
IEEE 802.11n_40	3	-25.394		PASS
	6	-24.978		PASS
	9	-24.793		PASS

Note1: Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

Test Graphs





Antenna A+B:

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11n_20	1	-40.708	≤8	PASS
	6	-41.058		PASS
	11	-42.621		PASS
IEEE 802.11n_40	3	-50.185		PASS
	6	-48.54		PASS
	9	-50.13		PASS

Note1:Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

APPENDIX III. Conducted Peak Output Power Antenna A:

Test Result

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	12.76	N/A	≤30	PASS
	6	12.84	N/A	≤30	PASS
	11	12.97	N/A	≤30	PASS
IEEE 802.11g	1	14.92	N/A	≤30	PASS
	6	12.83	N/A	≤30	PASS
	11	12.58	N/A	≤30	PASS
IEEE 802.11n_20	1	12.47	N/A	≤30	PASS
	6	11.46	N/A	≤30	PASS
	11	11.22	N/A	≤30	PASS
IEEE 802.11n_40	3	11.72	N/A	≤30	PASS
	6	12.27	N/A	≤30	PASS
	9	11.23	N/A	≤30	PASS

Note1:Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

Antenna B:

Test Result

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	10.09	N/A	≤30	PASS
	6	11.45	N/A	≤30	PASS
	11	12.01	N/A	≤30	PASS
IEEE 802.11g	1	12.07	N/A	≤30	PASS
	6	12.05	N/A	≤30	PASS
	11	11.92	N/A	≤30	PASS
IEEE 802.11n_20	1	11.55	N/A	≤30	PASS
	6	11.45	N/A	≤30	PASS
	11	11.18	N/A	≤30	PASS
IEEE 802.11n_40	3	10.45	N/A	≤30	PASS
	6	11.26	N/A	≤30	PASS
	9	11.26	N/A	≤30	PASS

Note1:Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

Antenna A+B:

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11n_20	1	15.04	N/A	≤30	PASS
	6	14.47	N/A	≤30	PASS
	11	14.21	N/A	≤30	PASS
IEEE 802.11n_40	3	14.14	N/A	≤30	PASS
	6	14.80	N/A	≤30	PASS
	9	14.26	N/A	≤30	PASS

Note1:Antenna Gain: Ant A: 4.04dBi; Ant B: 3.98dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

APPENDIX IV. 99% Bandwidth Antenna A:

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	13.280
	6		2437	13.193
	11		2462	13.244
IEEE 802.11g	1		2412	16.550
	6		2437	16.569
	11		2462	16.522
IEEE 802.11n_20	1		2412	17.660
	6		2437	17.635
	11		2462	17.641
IEEE 802.11n_40	3		2422	36.017
	6		2437	35.957
	9		2452	36.046

Test Graphs

