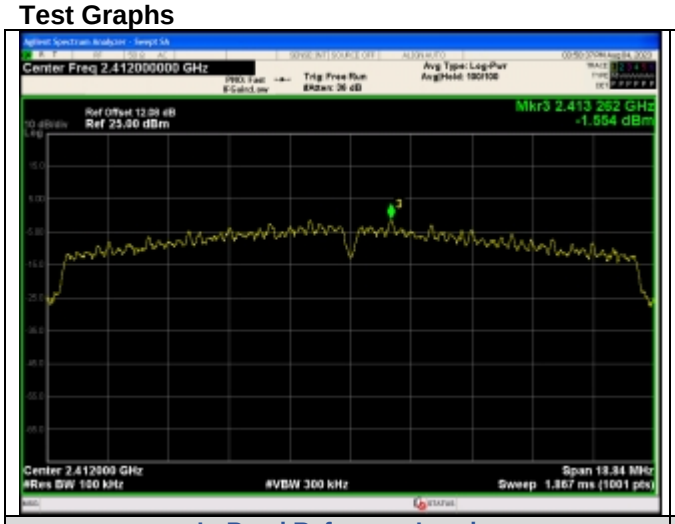
Antenna A+ Antenna B:

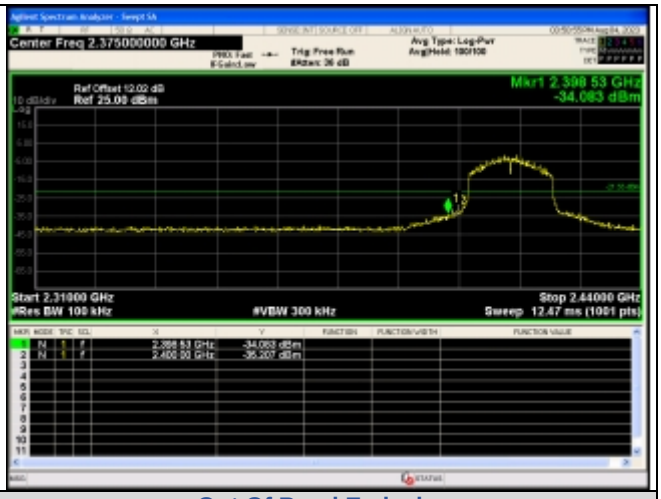
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11n_20	1	0	2400.00	-35.207	-21.55	-13.657	PASS
			2398.53	-34.083	-21.55	-12.533	PASS
			4840.00	-56.603	-21.55	-35.053	PASS
			7239.00	-57.069	-21.55	-35.519	PASS
			9661.80	-57.985	-21.55	-36.435	PASS
			24922.6	-41.747	-21.55	-20.197	PASS
	6		4874.93	-52.893	-23.29	-29.603	PASS
			7318.93	-57.101	-23.29	-33.811	PASS
			9754.81	-57.759	-23.29	-34.469	PASS
			24989.4	-41.488	-23.29	-18.198	PASS
	11		2483.50	-41.359	-24.02	-17	PASS
			4916.75	-57.216	-24.02	-33.196	PASS
			7380.73	-57.654	-24.02	-33.634	PASS
			9862.18	-56.551	-24.02	-32.531	PASS
			24906.4	-41.066	-24.02	-17.046	PASS
IEEE 802.11n_40	3		2400.00	-38.961	-24.7	-14.261	PASS
			2389.56	-37.932	-24.7	-13.232	PASS
			4806.30	-57.354	-24.7	-32.654	PASS
			7241.50	-57.072	-24.7	-32.372	PASS
			9702.40	-57.110	-24.7	-32.410	PASS
			24960.0	-41.403	-24.7	-16.703	PASS
	6		4893.03	-57.094	-37.2	-19.894	PASS
			7303.94	-57.338	-37.2	-20.138	PASS
			9764.17	-56.221	-37.2	-19.021	PASS
			24917.0	-40.973	-37.2	-3.773	PASS
	9		2483.50	-42.307	-36.59	-6	PASS
			4931.11	-57.552	-36.59	-20.962	PASS
			7373.86	-55.895	-36.59	-19.305	PASS
			9813.49	-55.815	-36.59	-19.224	PASS
			24964.4	-41.119	-36.59	-4.529	PASS

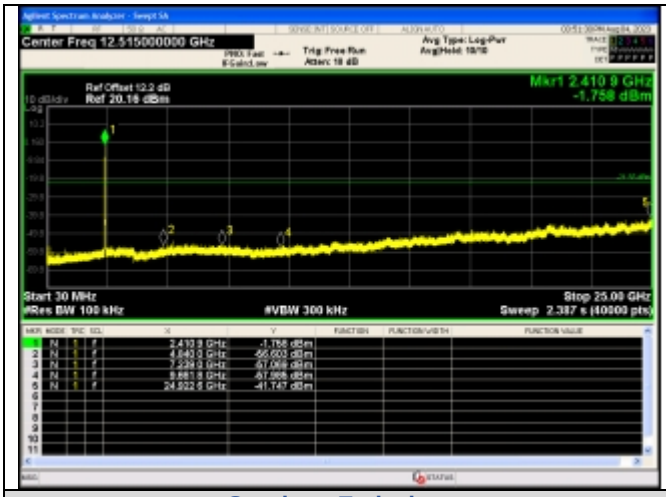
Test Graphs



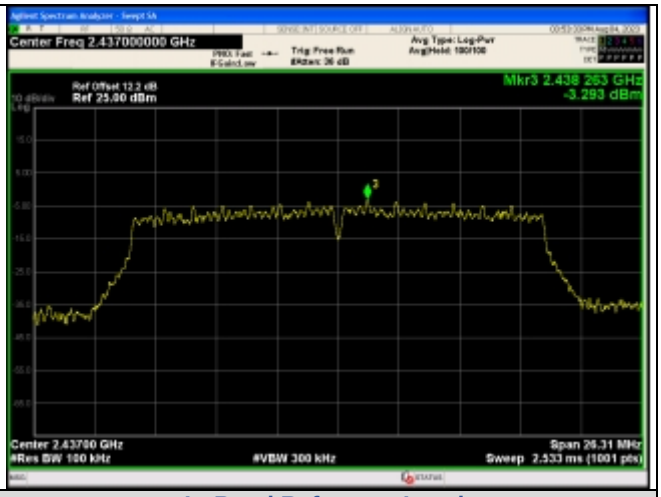
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



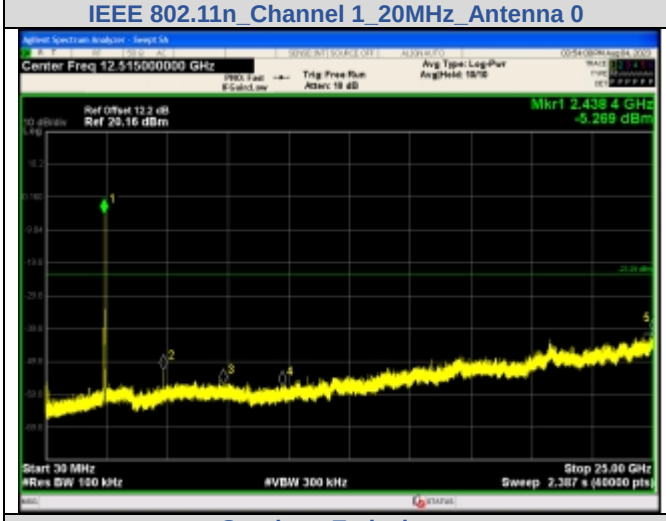
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



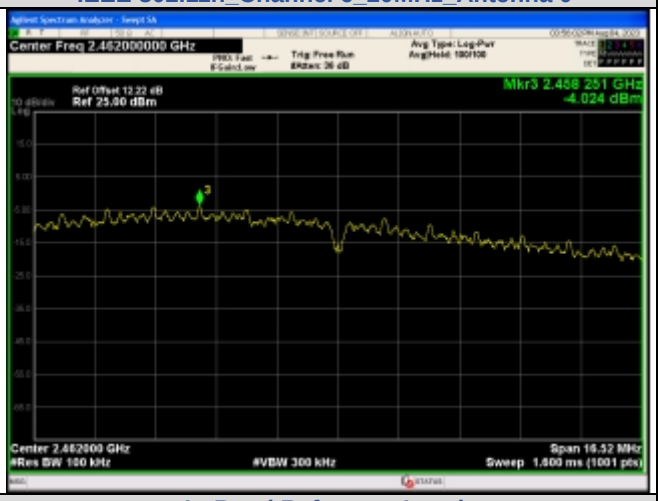
Spurious Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



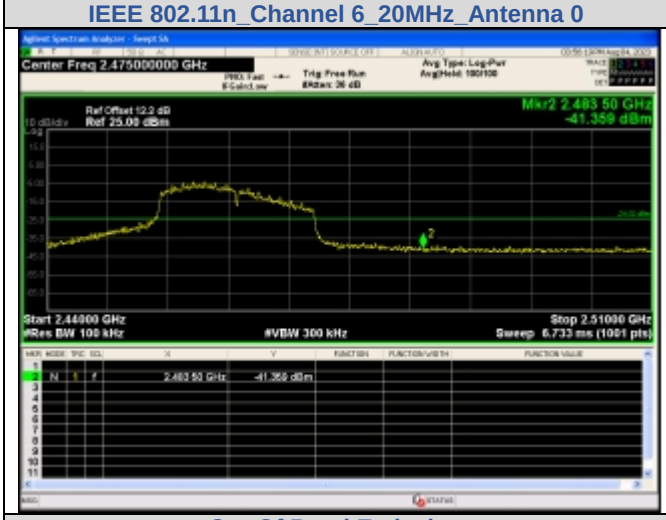
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



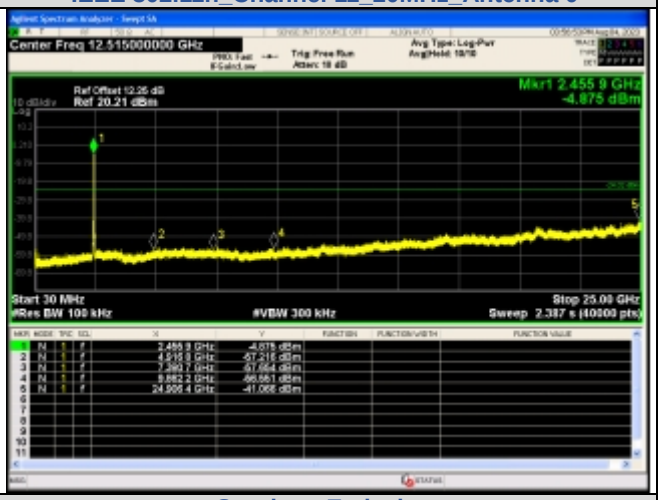
Spurious Emissions
IEEE 802.11n_Channel 6_20MHz_Antenna 0



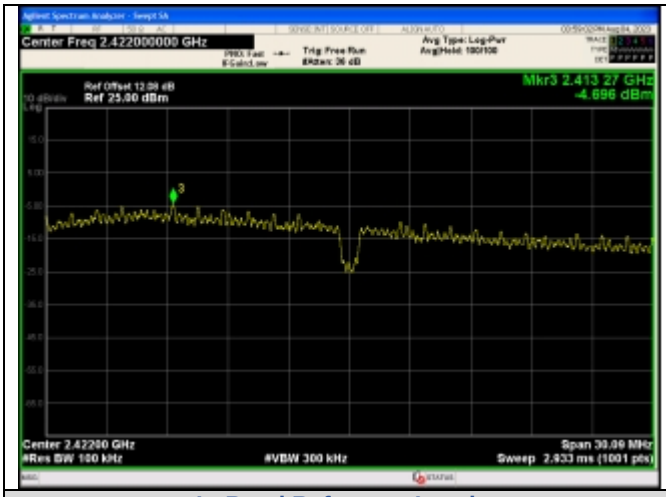
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



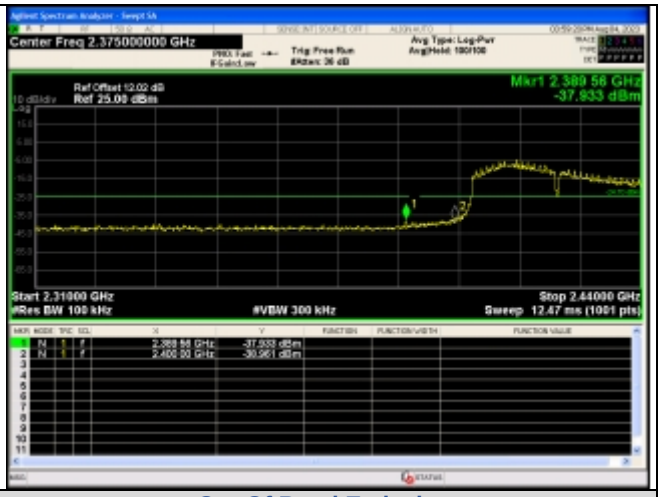
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



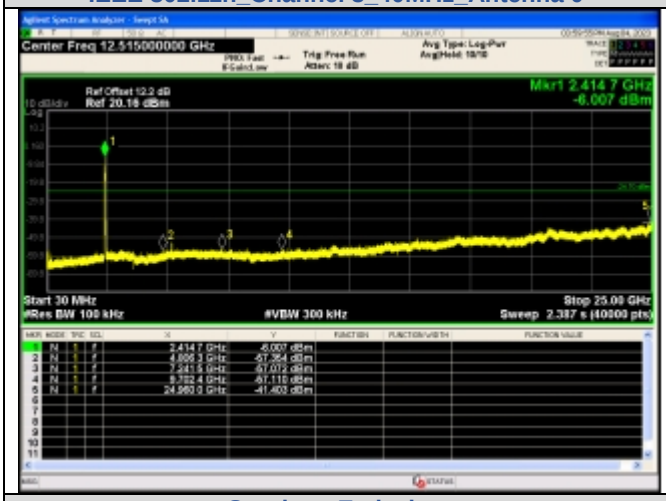
Spurious Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



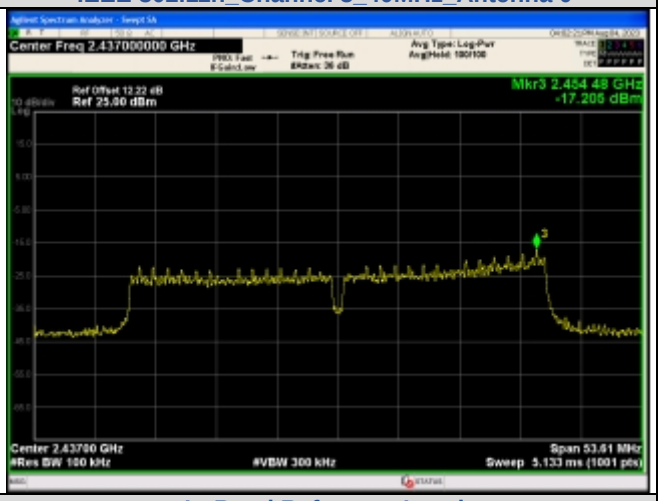
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



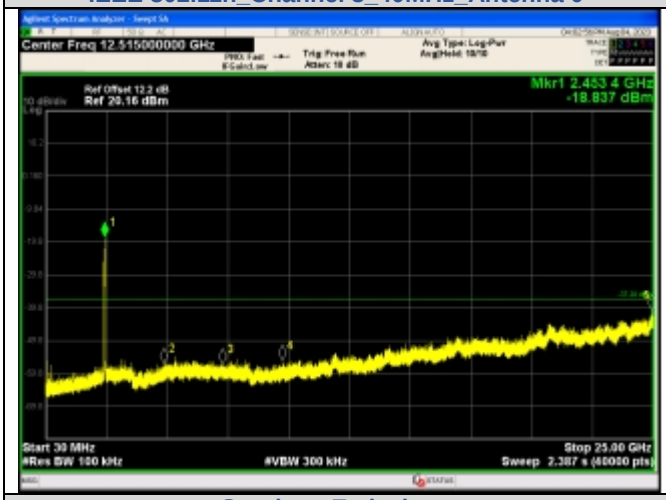
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



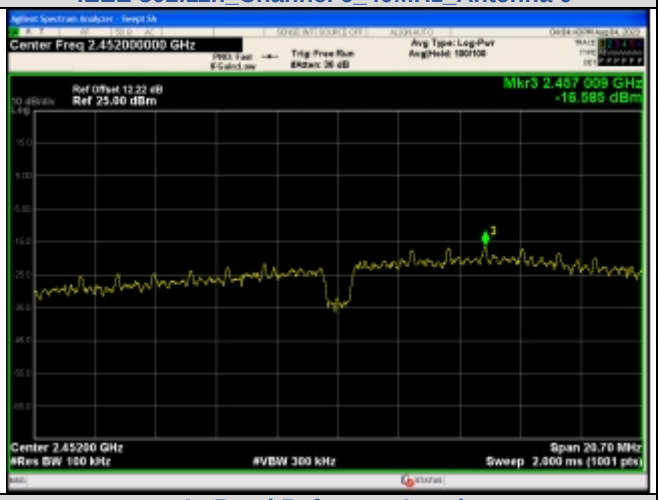
Spurious Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



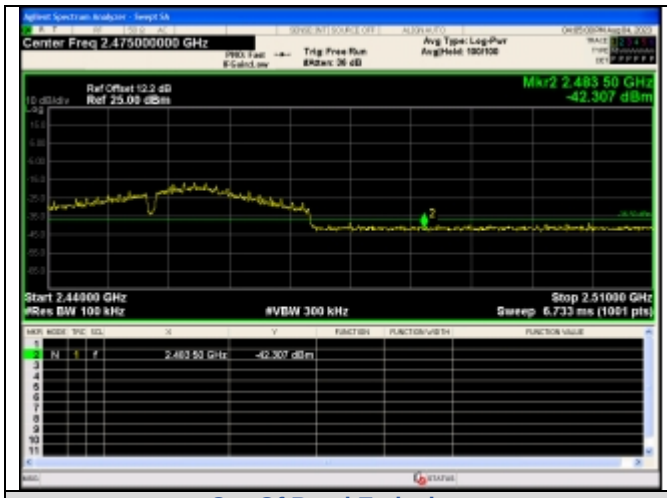
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



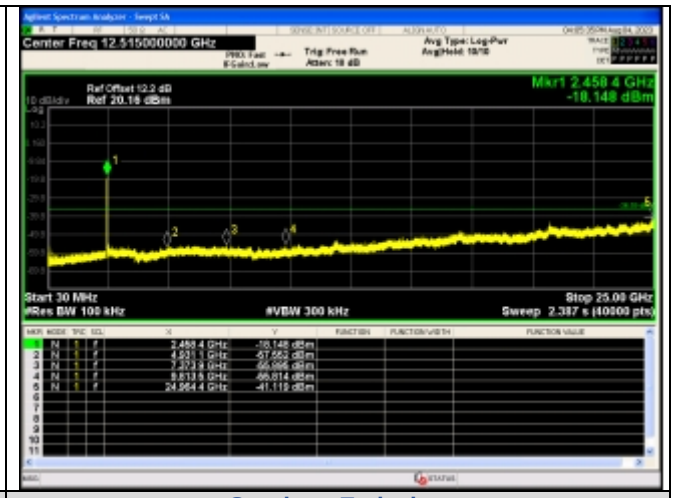
Spurious Emissions
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Spurious Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0

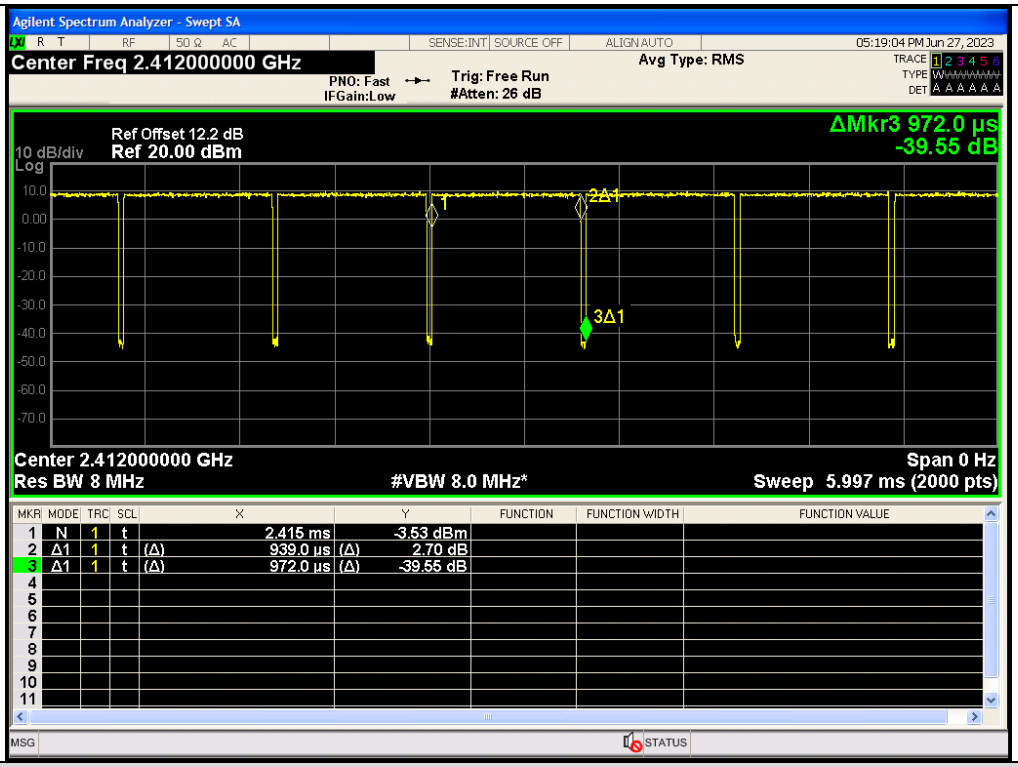
APPENDIX V.Duty Cycle

Test Result

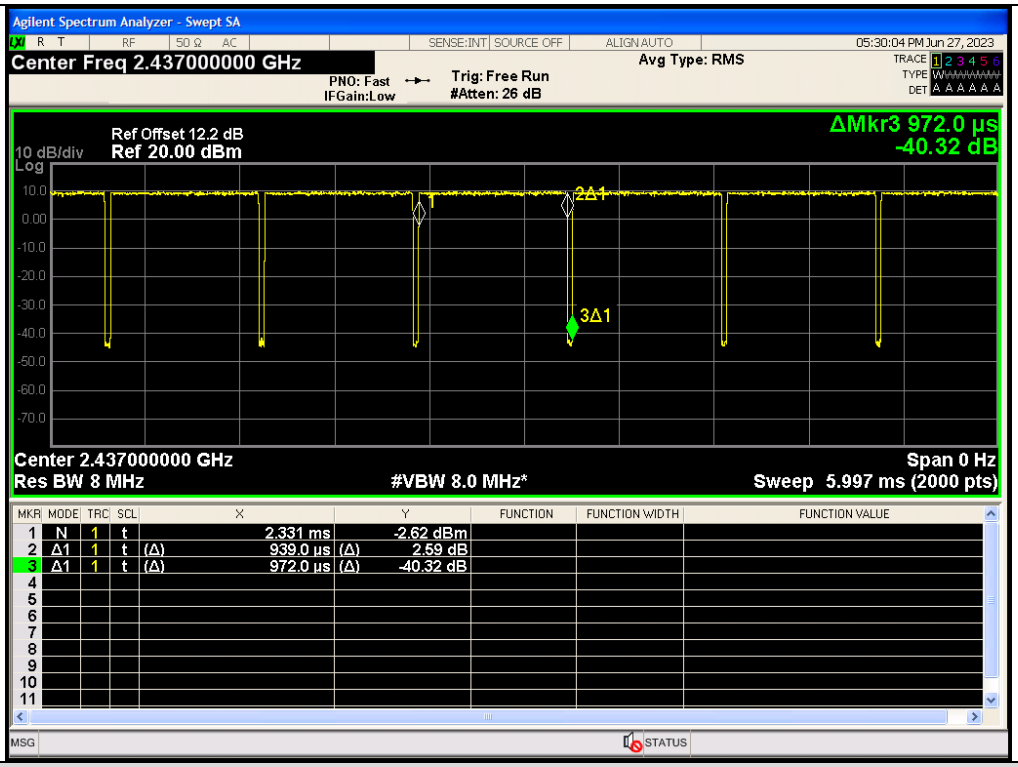
Antenna A:

Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	0.939	0.972	96.60	0.9660	0.1502
		6	0.939	0.972	96.60	0.9660	0.1502
		11	0.936	0.969	96.59	0.9659	0.1507
IEEE 802.11g	54	1	0.179	0.221	80.65	0.8065	0.934
		6	0.179	0.221	80.95	0.8095	0.9178
		11	0.179	0.221	80.65	0.8065	0.934
IEEE 802.11n_20	MCS 7	1	0.167	0.209	79.81	0.7981	0.9794
		6	0.167	0.209	79.56	0.7956	0.9931
		11	0.167	0.209	79.56	0.7956	0.9931
IEEE 802.11n_40		3	0.102	0.144	70.52	0.7052	1.5169
		6	0.102	0.145	70.30	0.7030	1.5304
		9	0.103	0.145	70.91	0.7091	1.4929

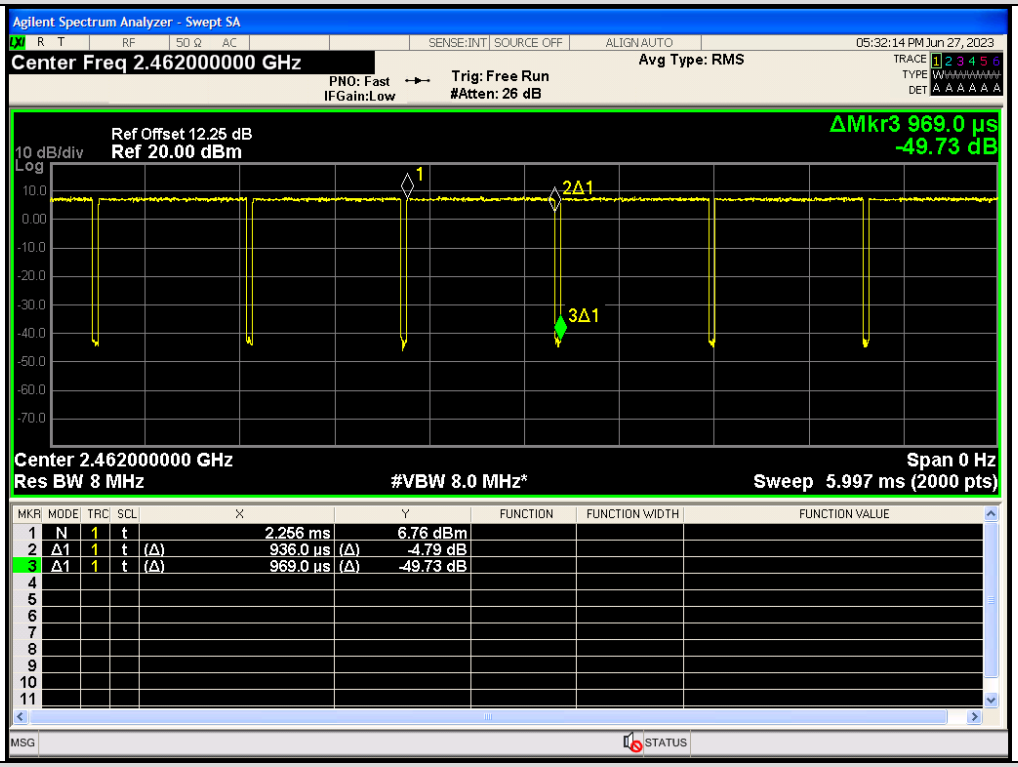
Test Graphs



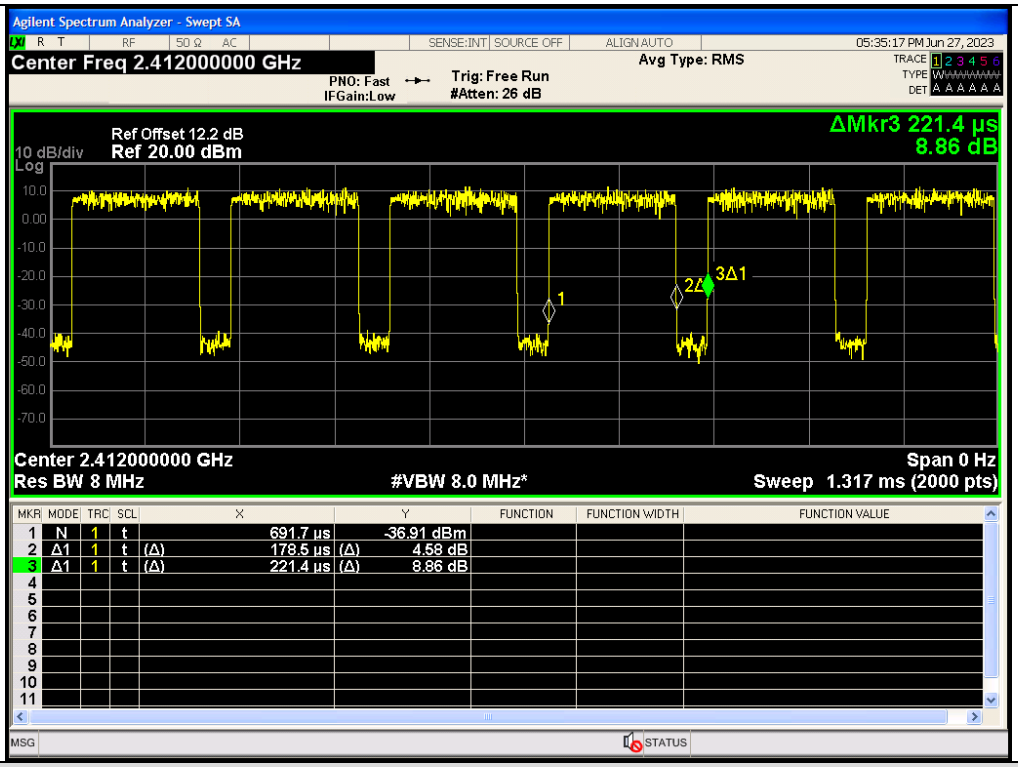
IEEE 802.11b_20MHz_Channel 1



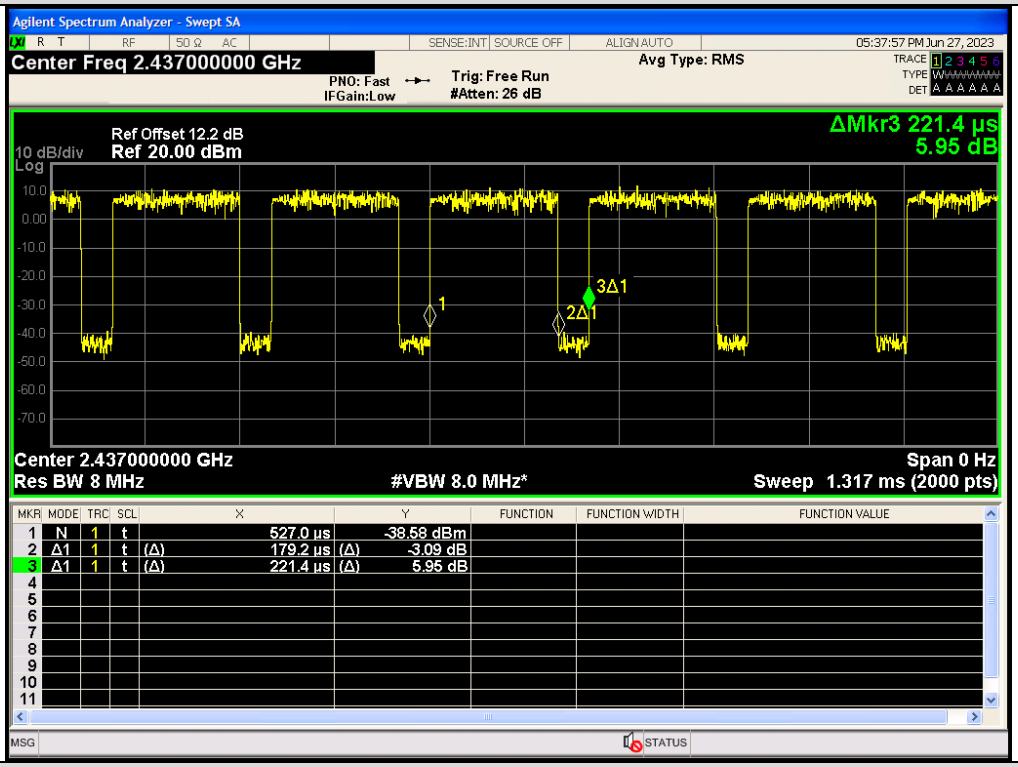
IEEE 802.11b_20MHz_Channel 6



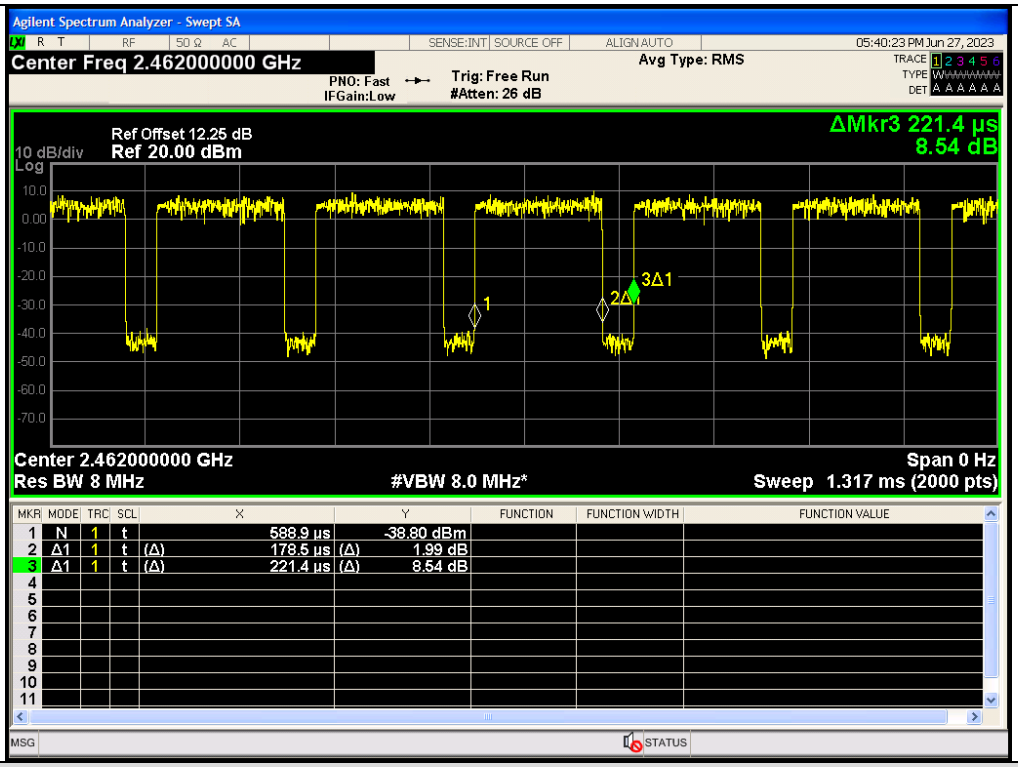
IEEE 802.11b_20MHz_Channel 11



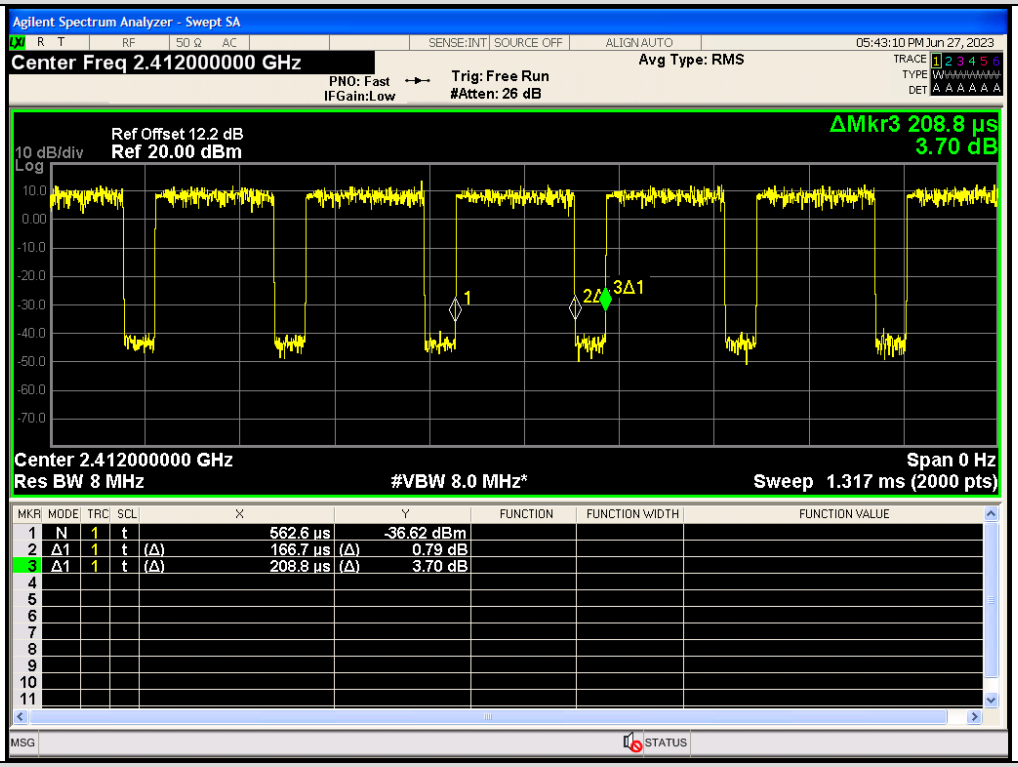
IEEE 802.11g_20MHz_Channel 1



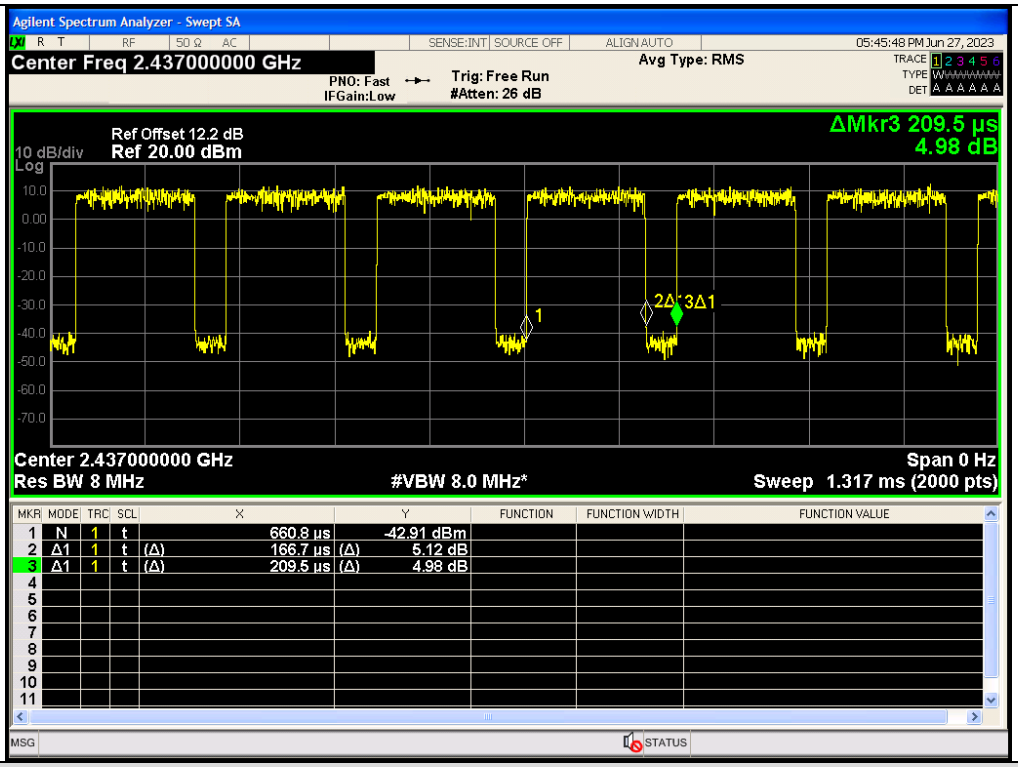
IEEE 802.11g_20MHz_Channel 6



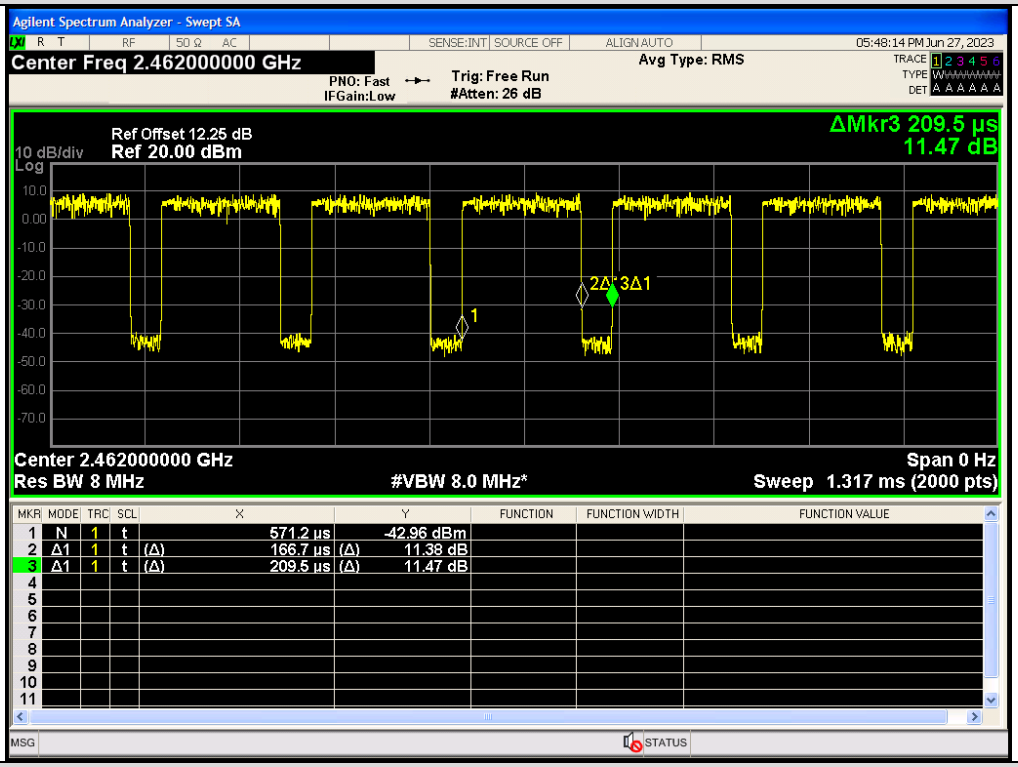
IEEE 802.11g_20MHz_Channel 11



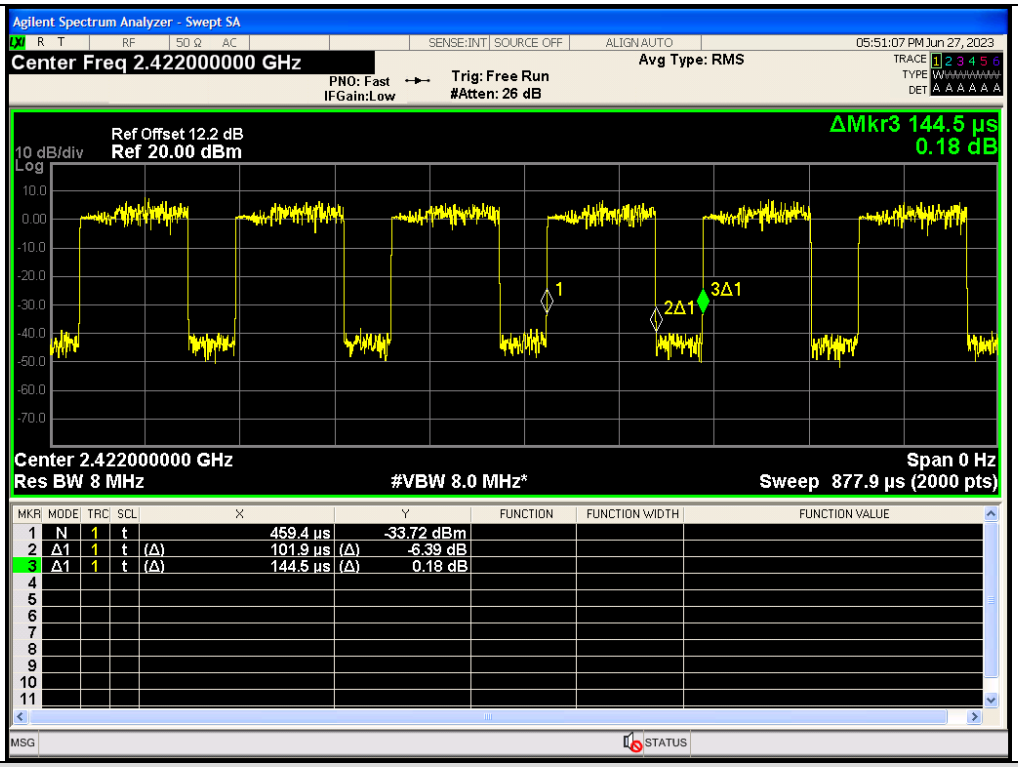
IEEE 802.11n_20MHz_Channel 1



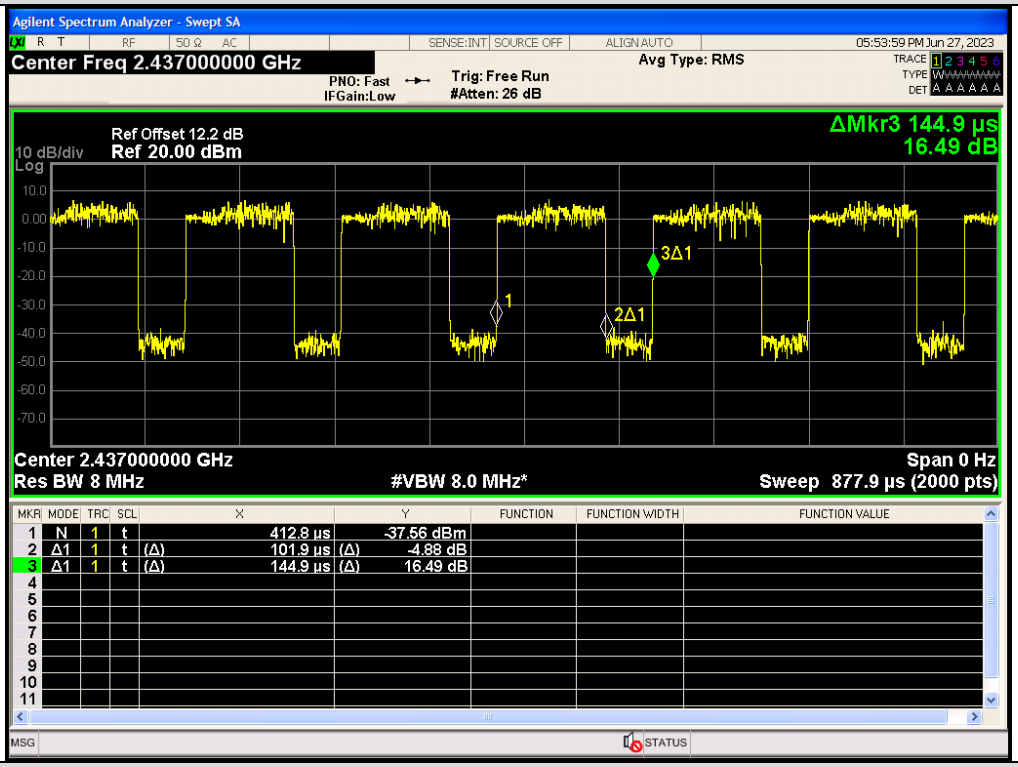
IEEE 802.11n_20MHz_Channel 6



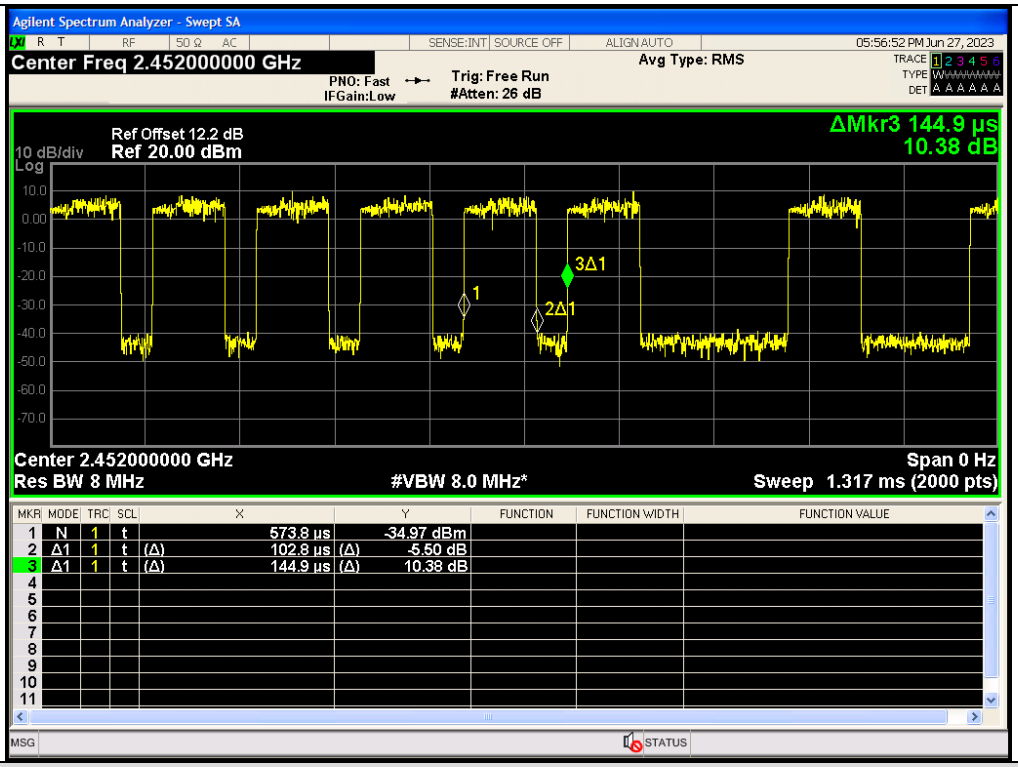
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



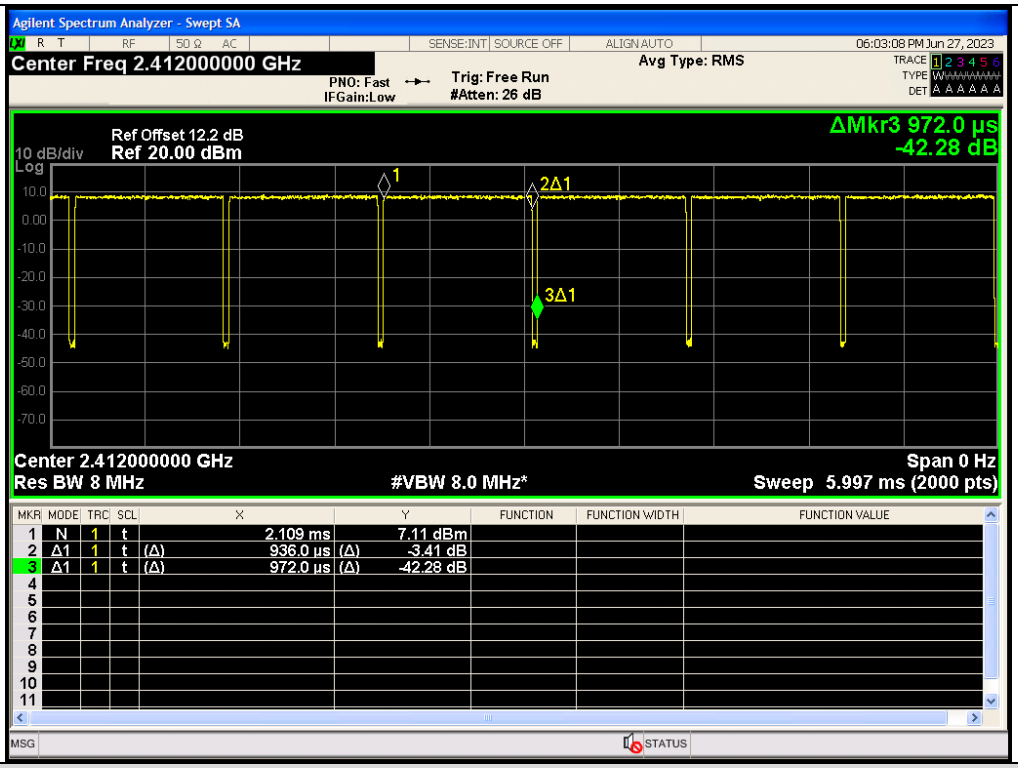
IEEE 802.11n_40MHz_Channel 9

Test Result

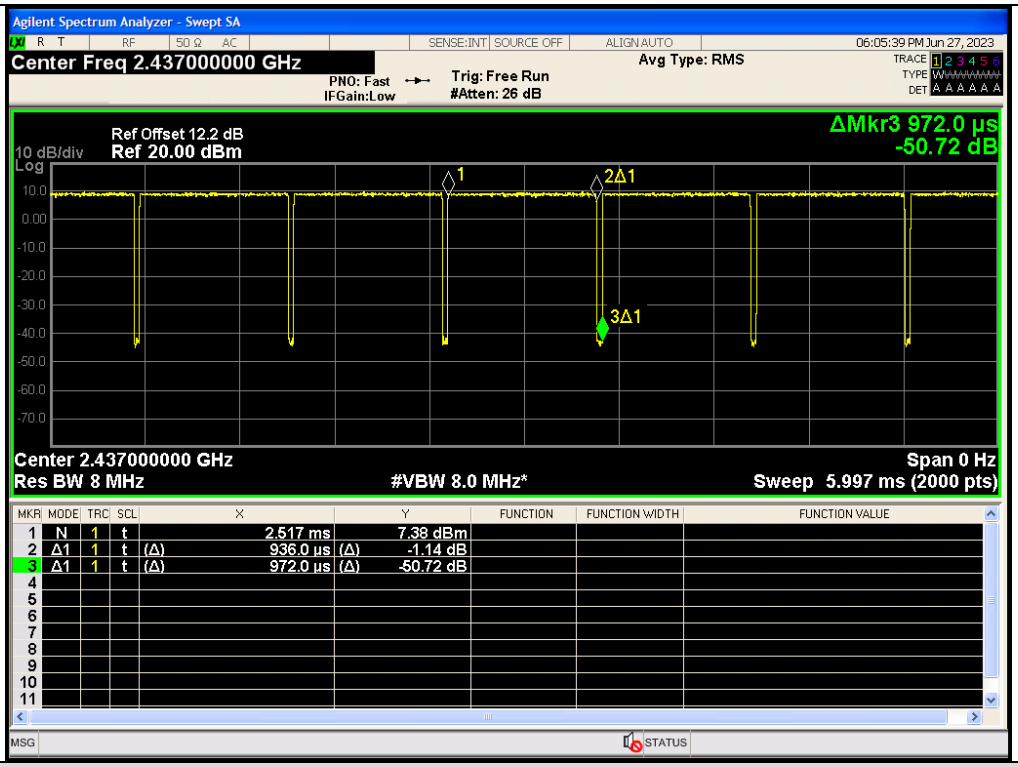
Antenna B:

Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	0.936	0.972	96.30	0.9630	0.1637
		6	0.936	0.972	96.30	0.9630	0.1637
		11	0.936	0.972	96.30	0.9630	0.1637
IEEE 802.11g	54	1	0.179	0.221	80.95	0.8095	0.9178
		6	0.179	0.221	80.65	0.8065	0.934
		11	0.179	0.221	80.65	0.8065	0.934
IEEE 802.11n_20	MCS 7	1	0.167	0.209	79.56	0.7956	0.9931
		6	0.167	0.209	79.87	0.7987	0.9762
		11	0.167	0.209	79.81	0.7981	0.9794
IEEE 802.11n_40		3	0.102	0.144	70.52	0.7052	1.5169
		6	0.102	0.144	70.52	0.7052	1.5169
		9	0.102	0.144	70.52	0.7052	1.5169

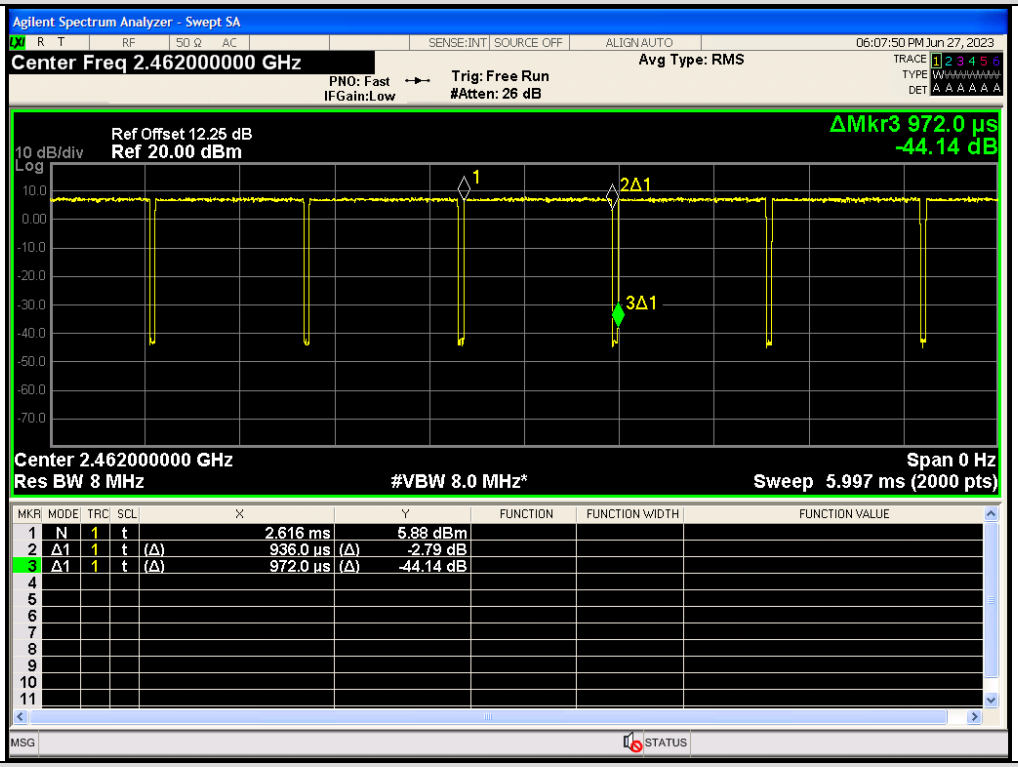
Test Graphs



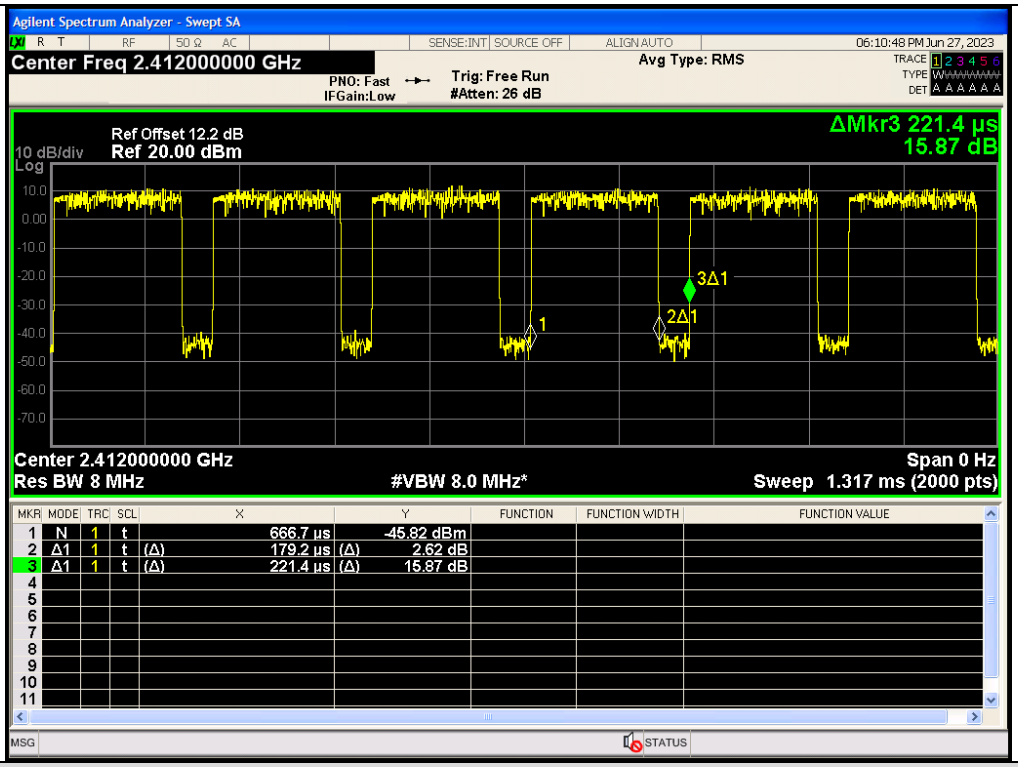
IEEE 802.11b_20MHz_Channel 1



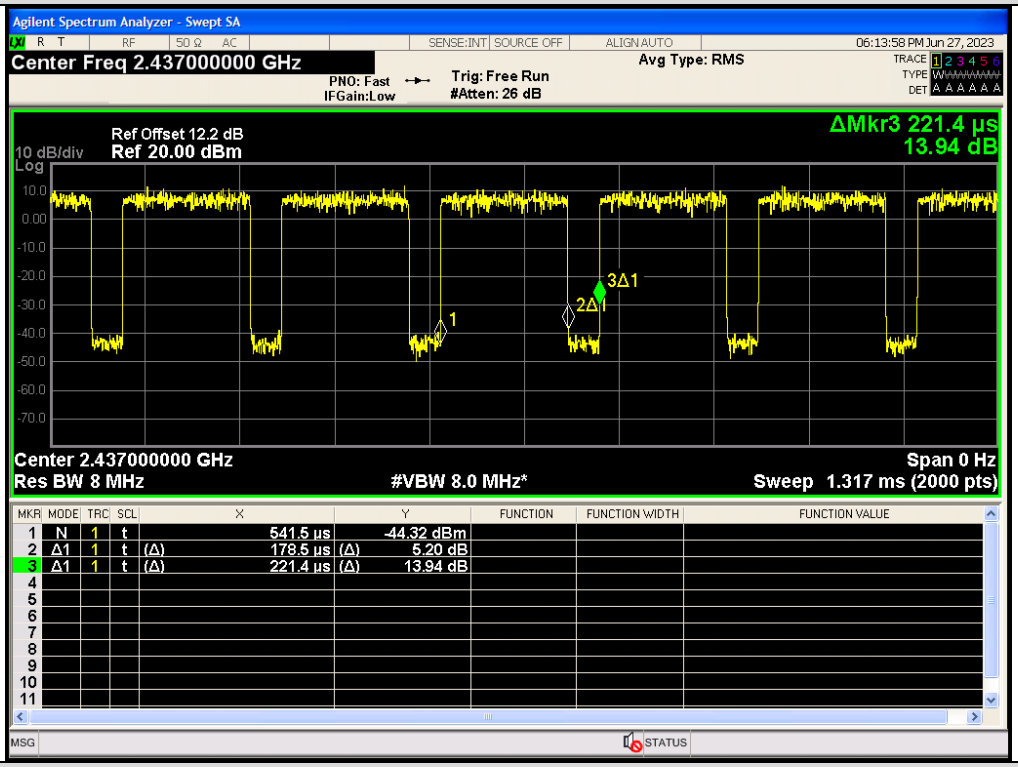
IEEE 802.11b_20MHz_Channel 6



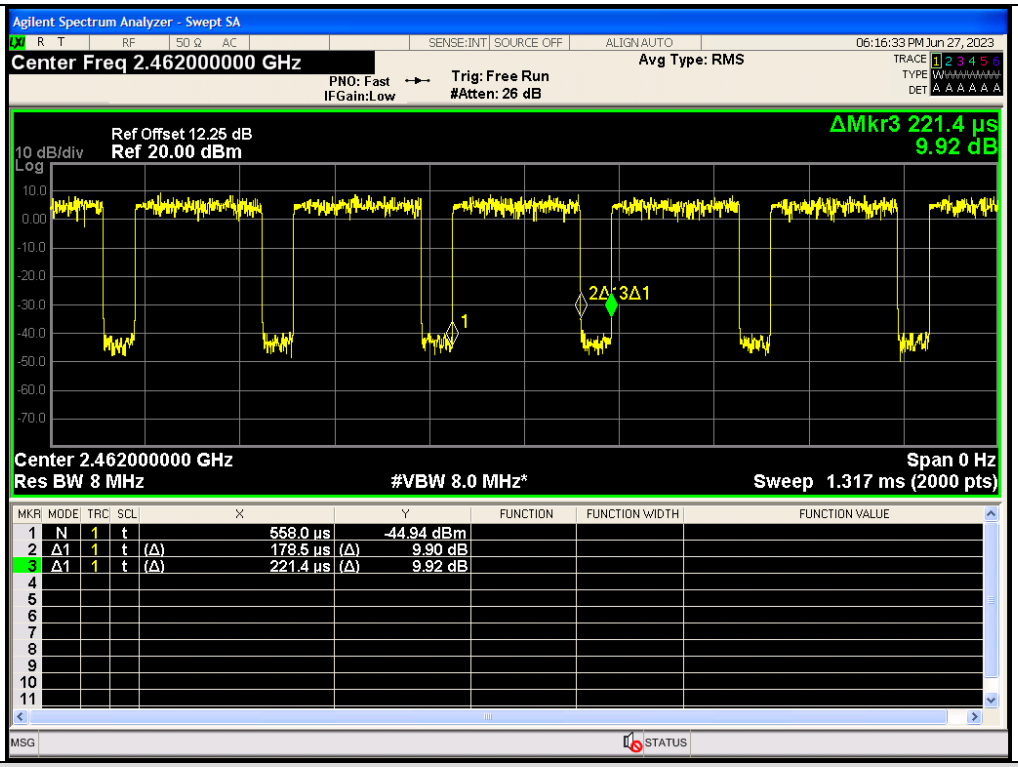
IEEE 802.11b_20MHz_Channel 11



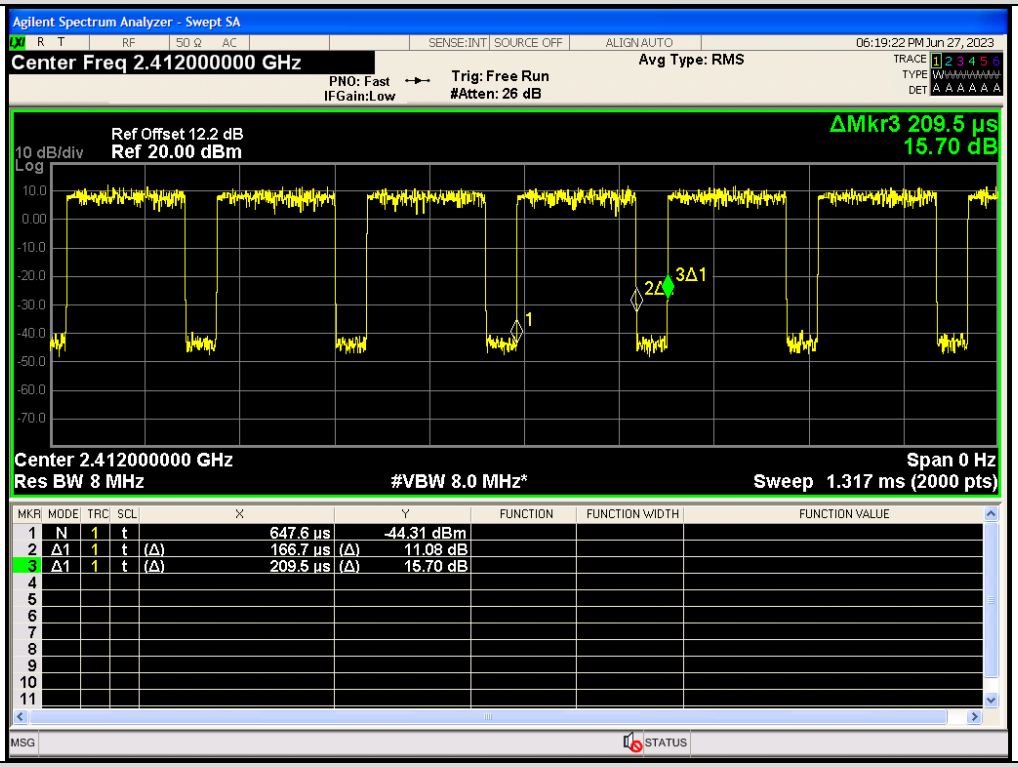
IEEE 802.11g_20MHz_Channel 1



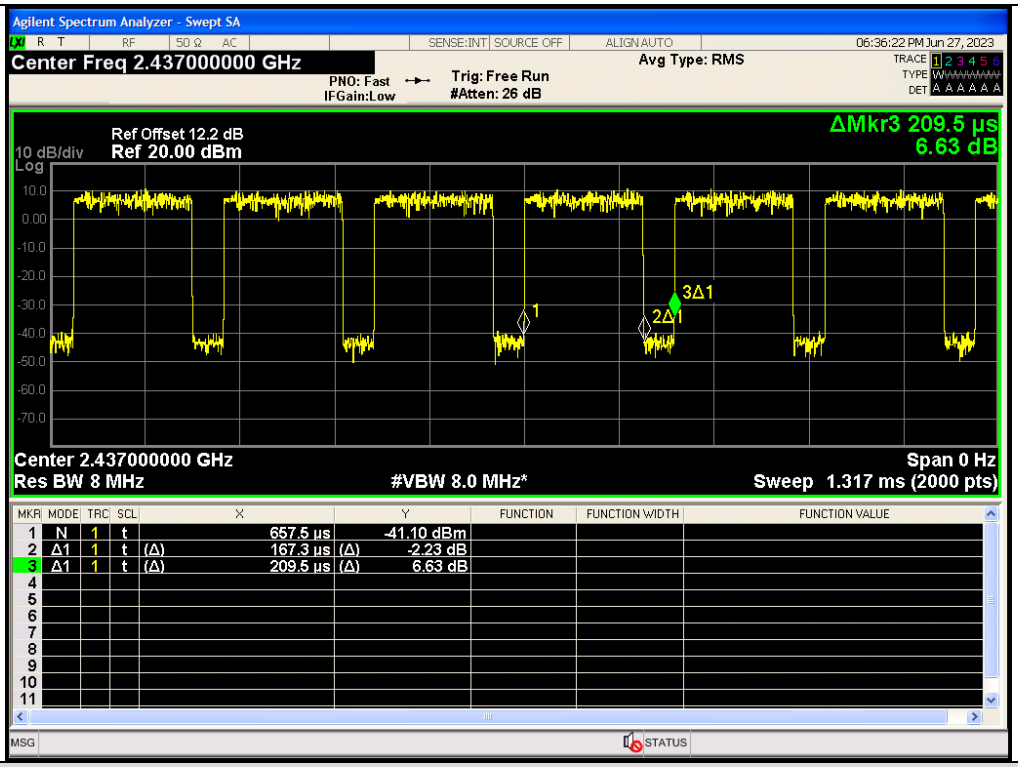
IEEE 802.11g_20MHz_Channel 6



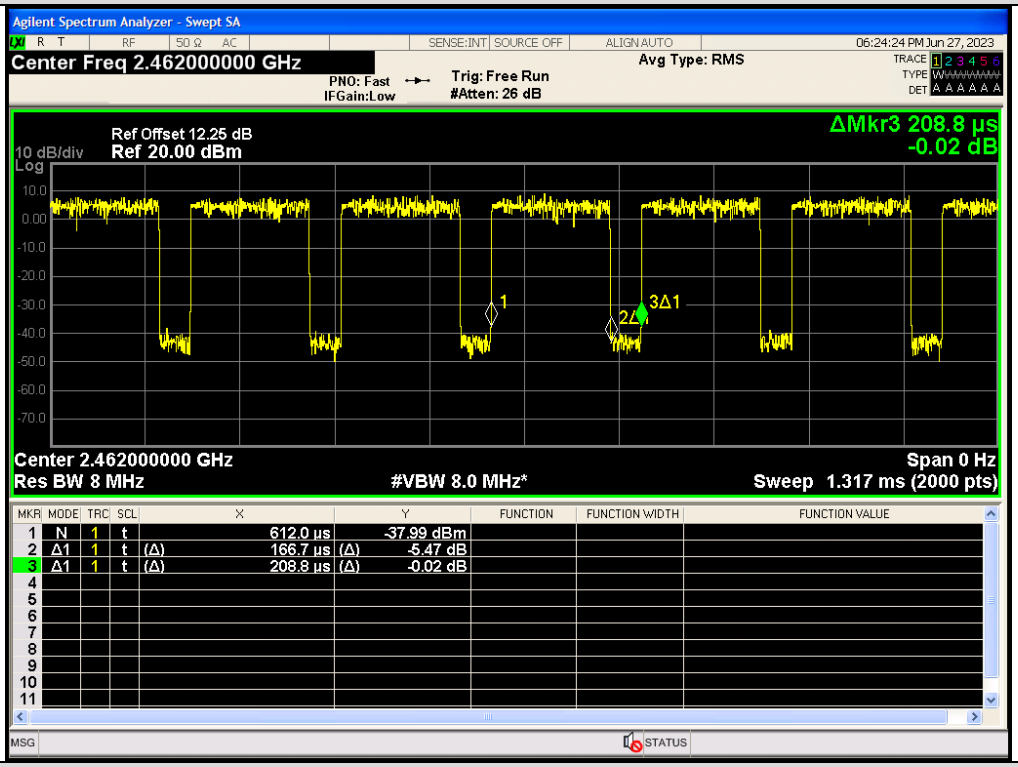
IEEE 802.11g_20MHz_Channel 11



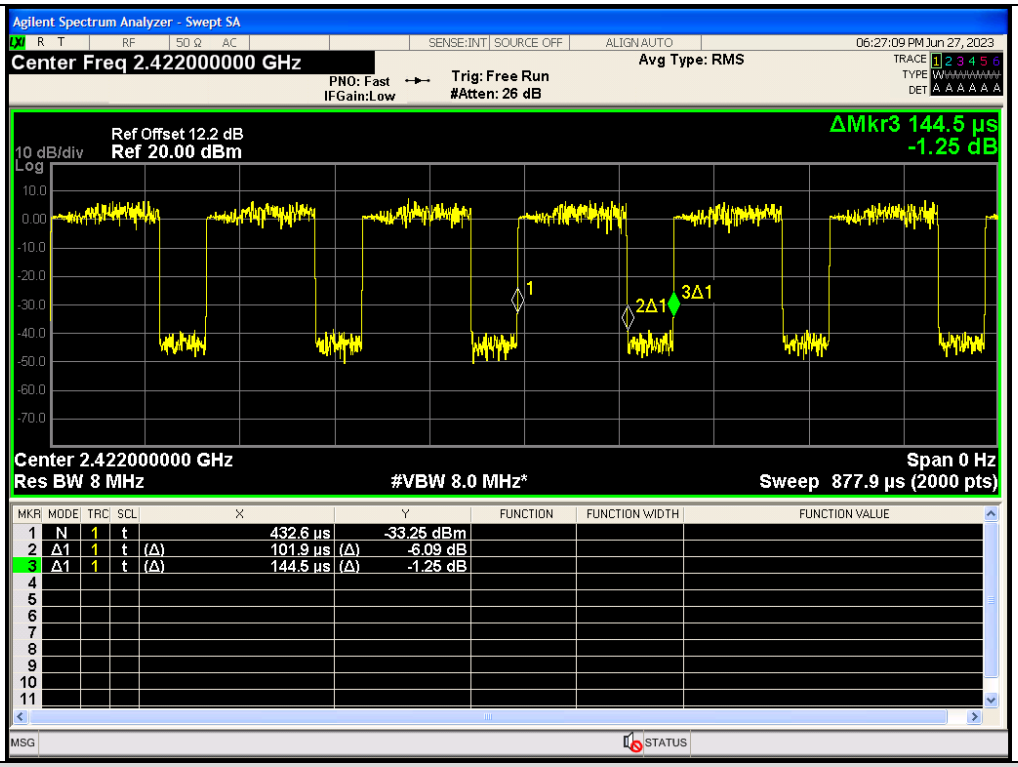
IEEE 802.11n_20MHz_Channel 1



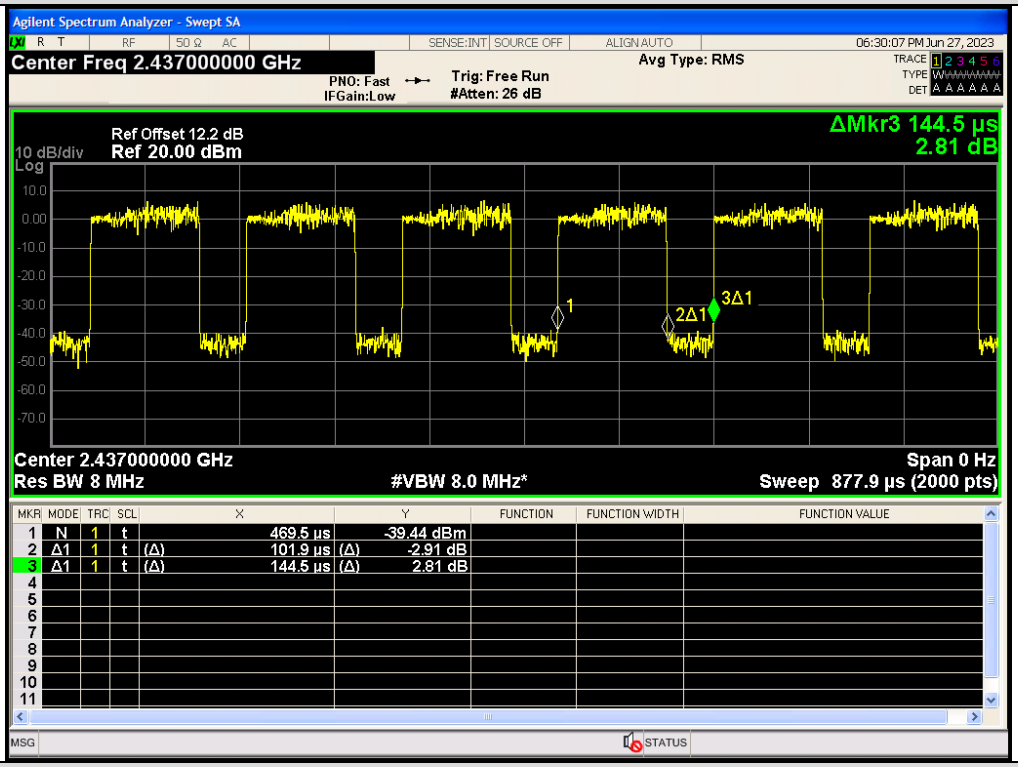
IEEE 802.11n_20MHz_Channel 6



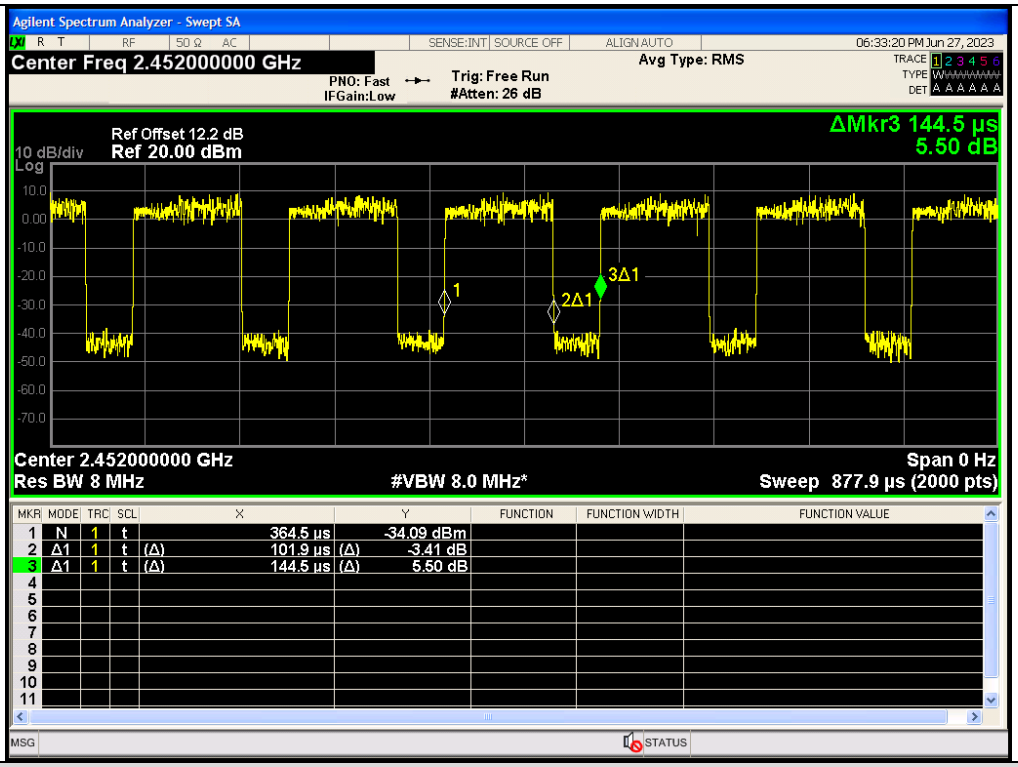
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



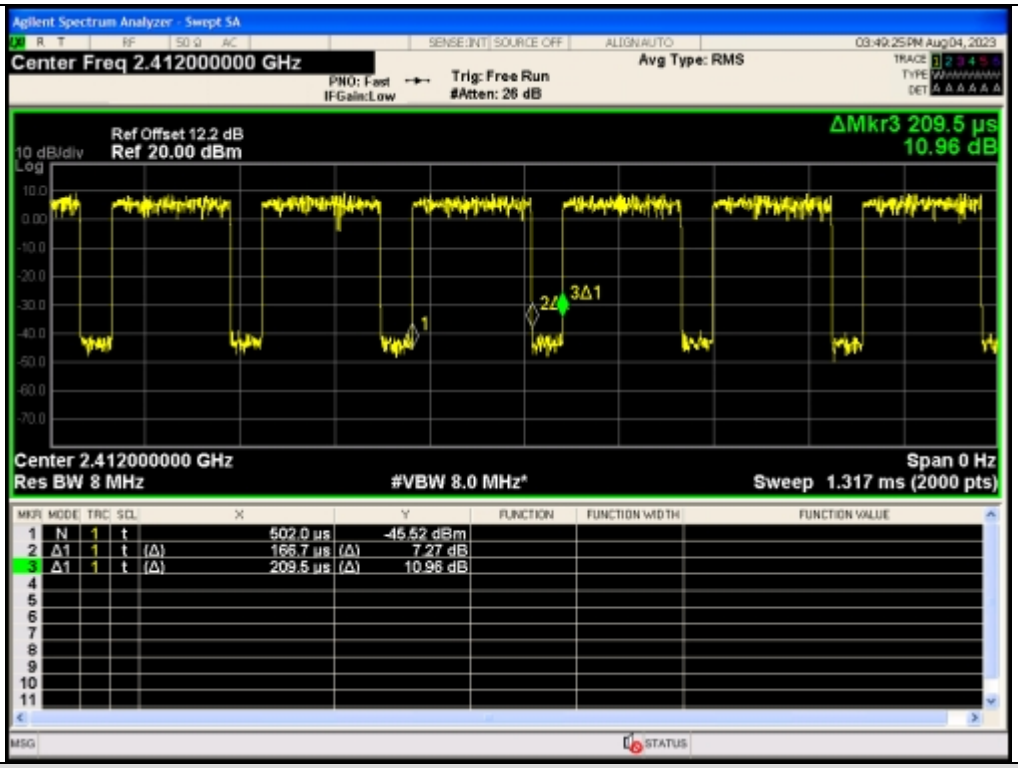
IEEE 802.11n_40MHz_Channel 9

Antenna A+ Antenna B:

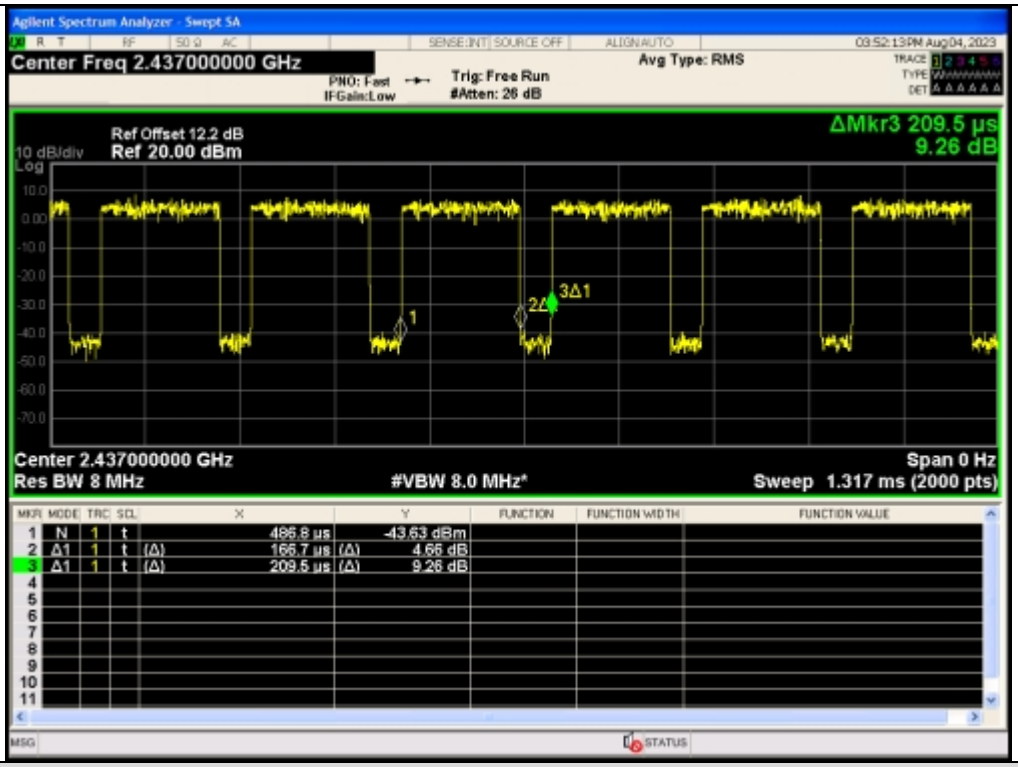
Test Result

Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11n_20	MCS 7	1	0.167	0.209	79.56	0.7956	0.9931
		6	0.167	0.209	79.56	0.7956	0.9931
		11	0.167	0.209	79.56	0.7956	0.9931
IEEE 802.11n_40		3	0.102	0.144	70.52	0.7052	1.5169
		6	0.101	0.144	70.21	0.7021	1.536
		9	0.101	0.144	70.21	0.7021	1.536

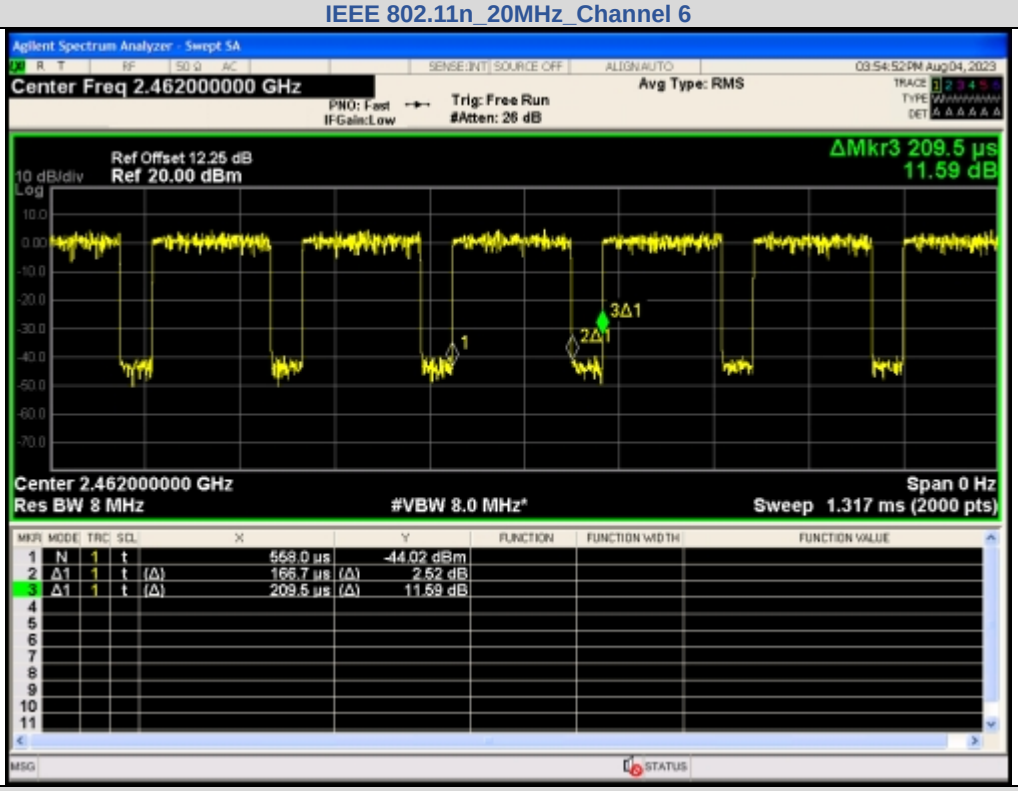
Test Graphs



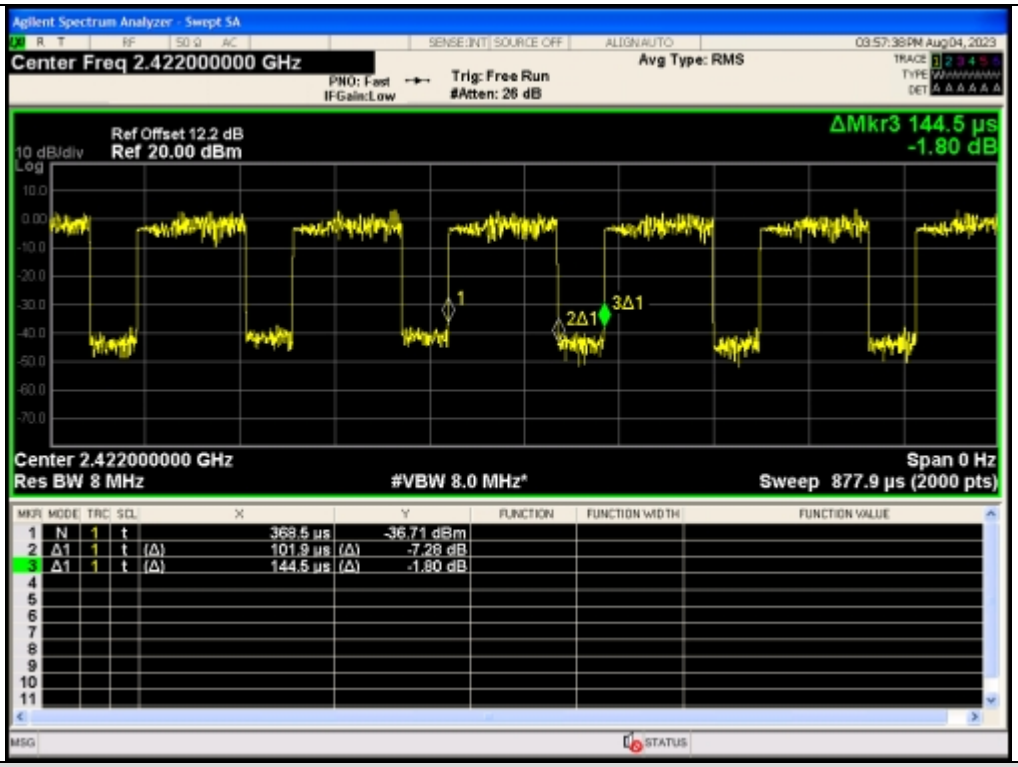
IEEE 802.11n_20MHz_Channel 1



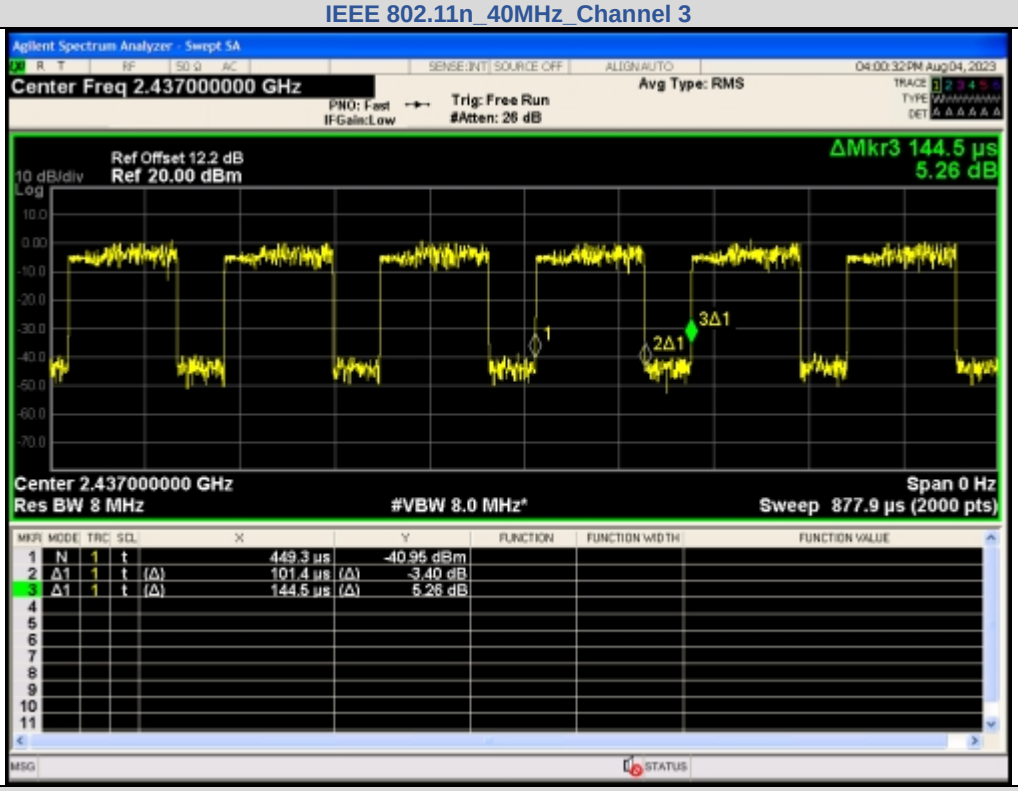
IEEE 802.11n_20MHz_Channel 6



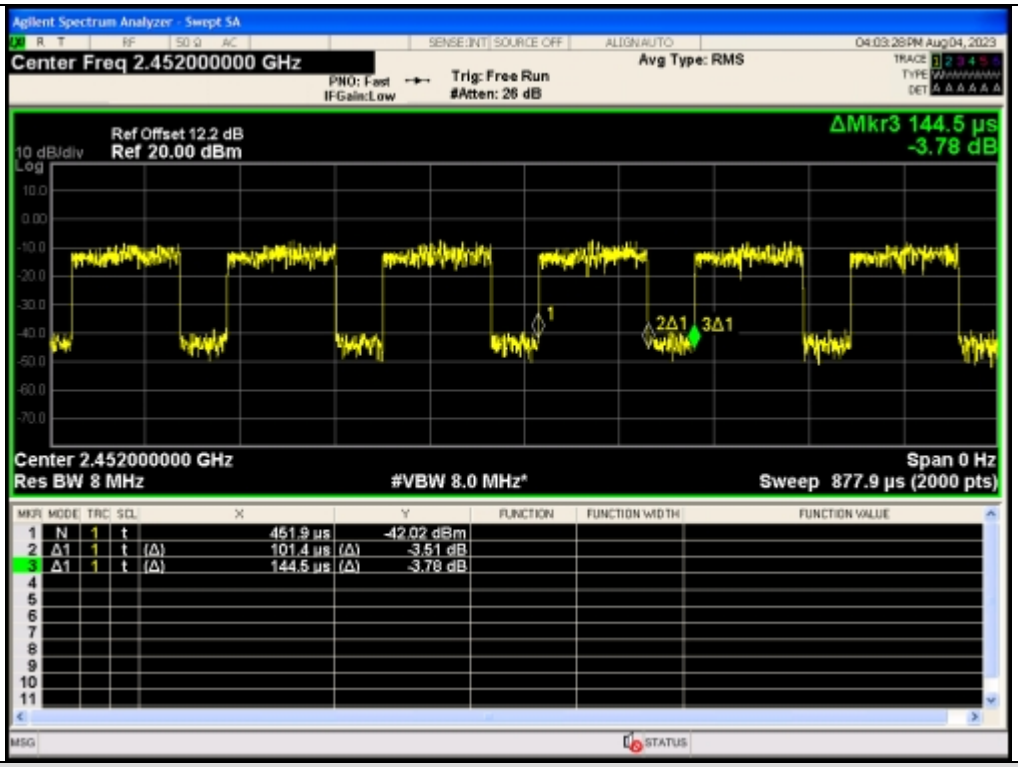
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



IEEE 802.11n_40MHz_Channel 9