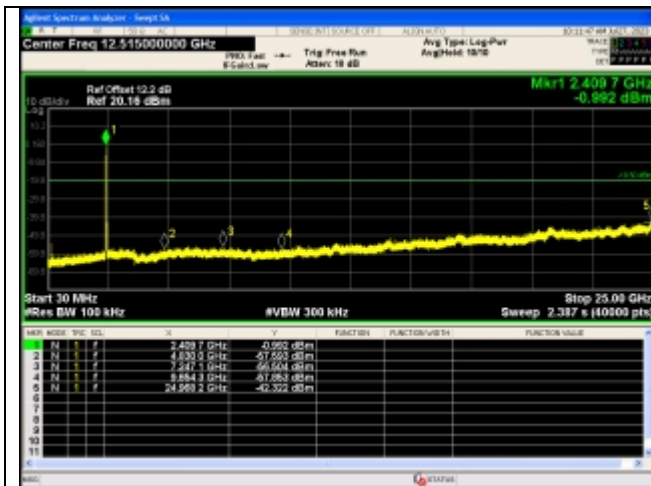
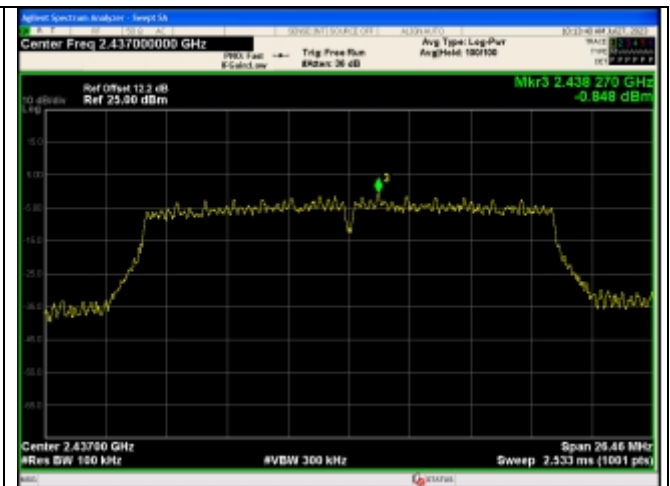
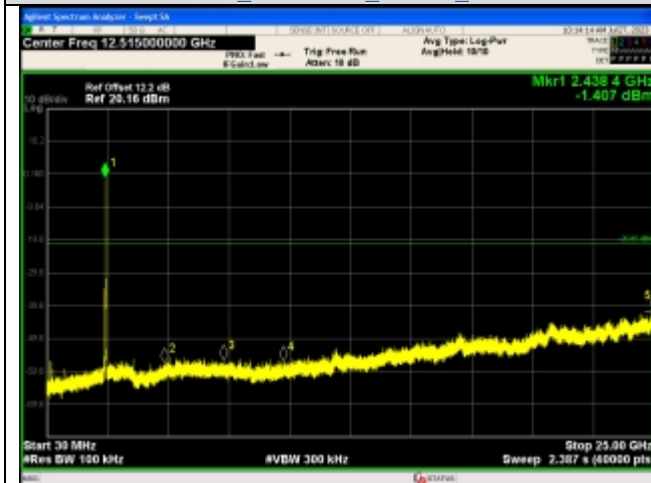




Spurious Emission
IEEE 802.11n Channel 1 20MHz Antenna 0



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



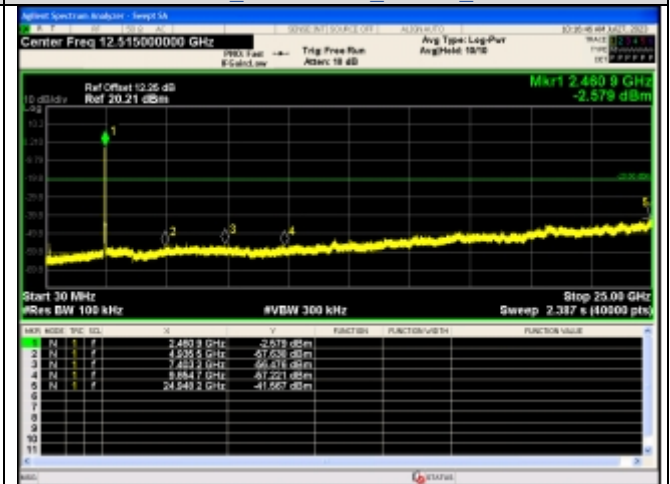
Spurious Emissions
IEEE 802.11n Channel 6 20MHz Antenna 0



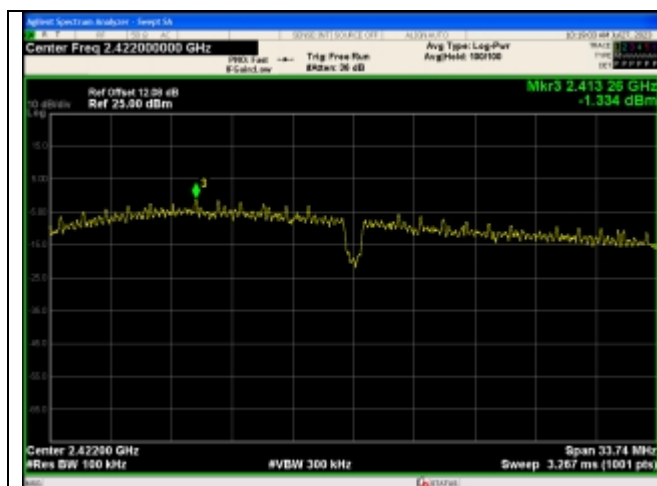
In-Band Reference Level
IEEE 802.11n Channel 11 20MHz Antenna 0



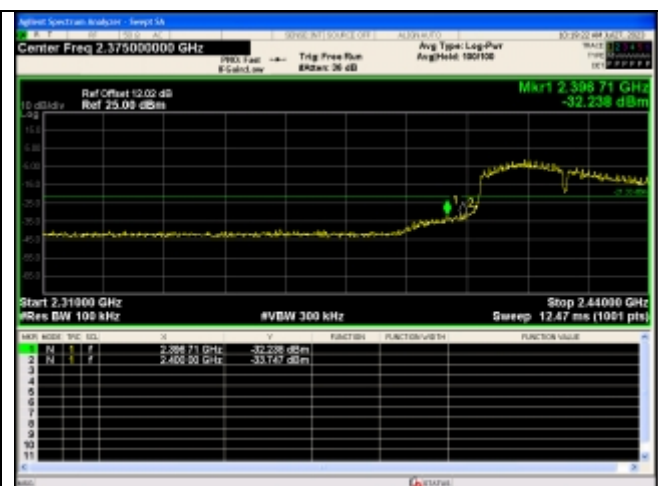
Out Of Band Emission
IEEE 802.11n Channel 11 20MHz Antenna 0



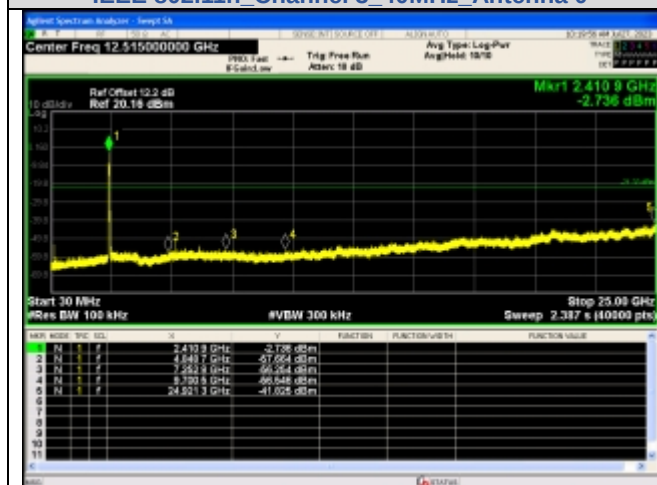
Spurious Emission
IEEE 802.11n Channel 11 20MHz Antenna 0



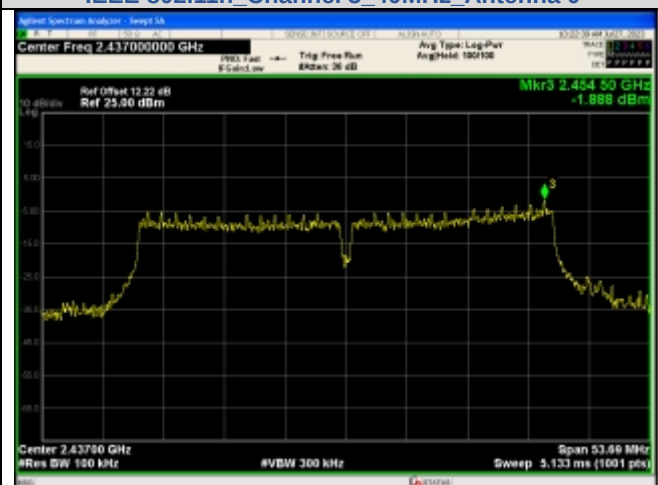
In-Band Reference Level
IEEE 802.11n Channel 3 40MHz Antenna 0



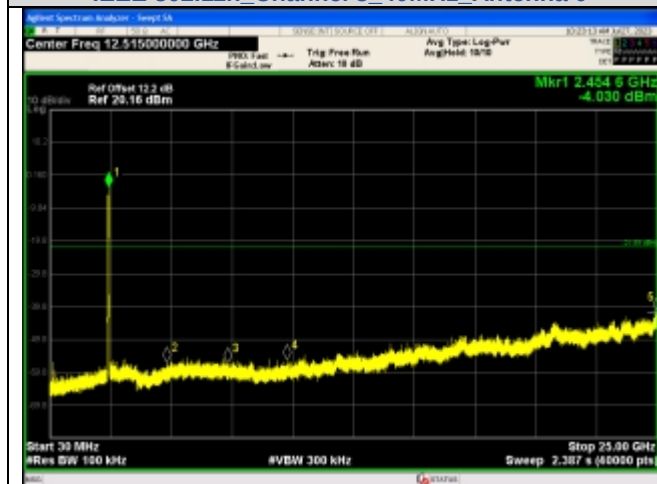
Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



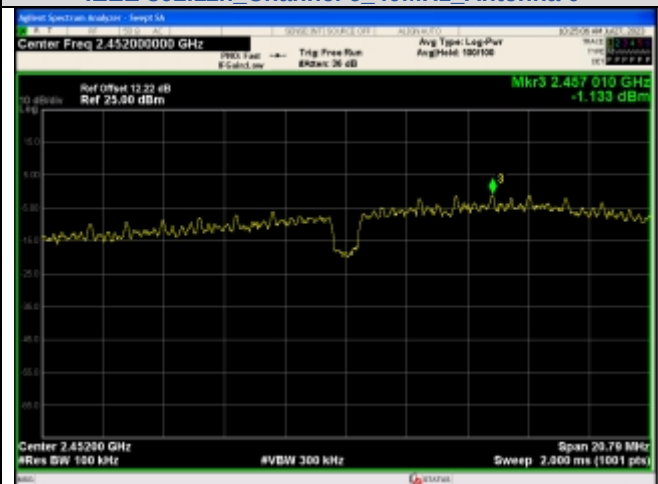
Spurious Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



In-Band Reference Level
IEEE 802.11n Channel 6 40MHz Antenna 0



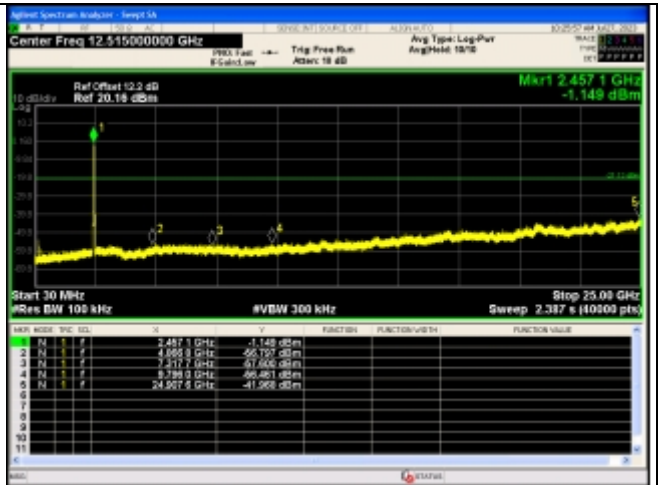
Spurious Emissions
IEEE 802.11n Channel 6 40MHz Antenna 0



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

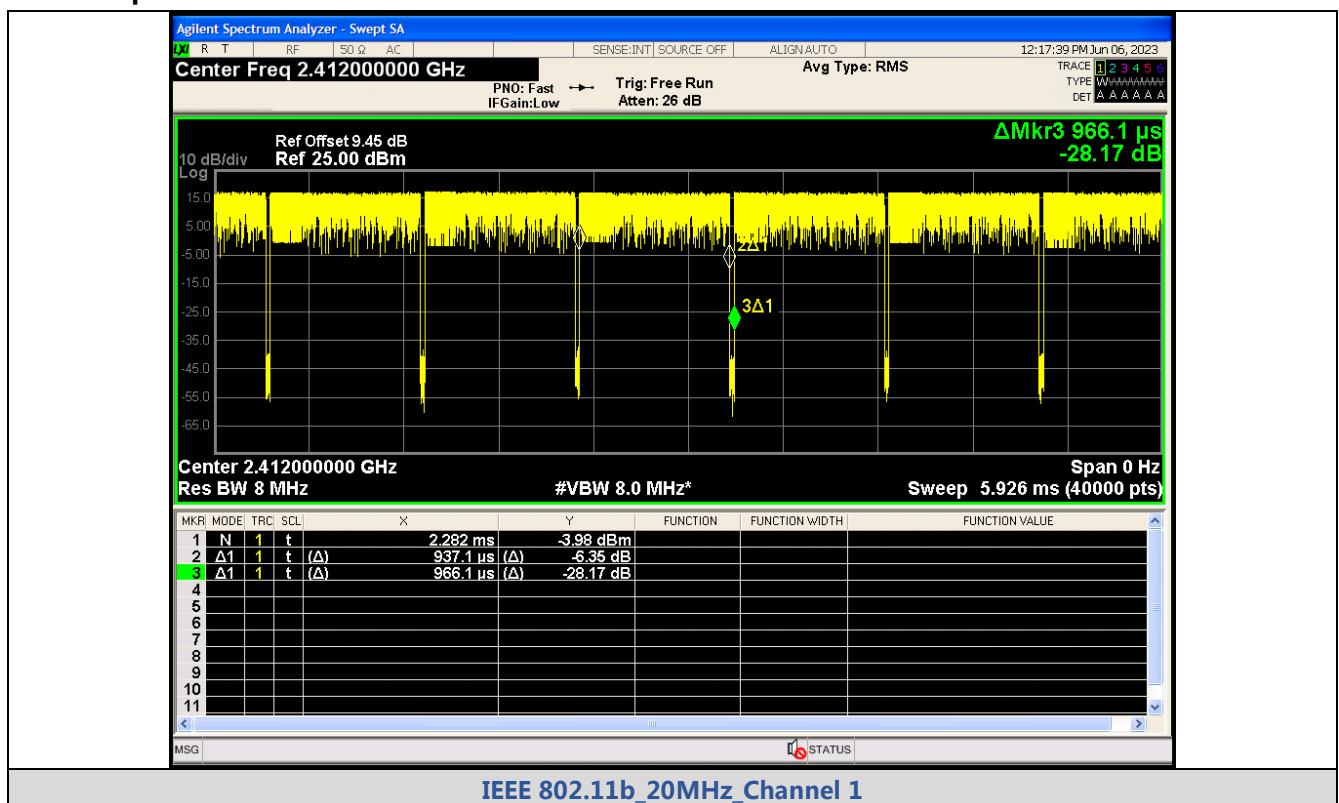
APPENDIX V.Duty Cycle

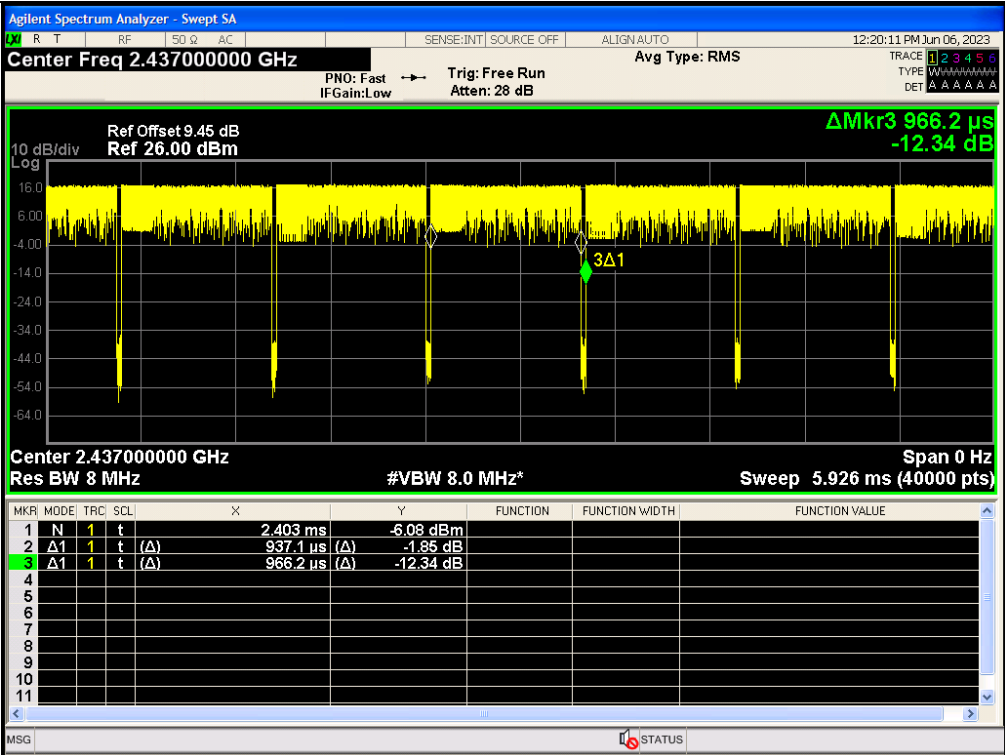
Antenna A:

Test Result

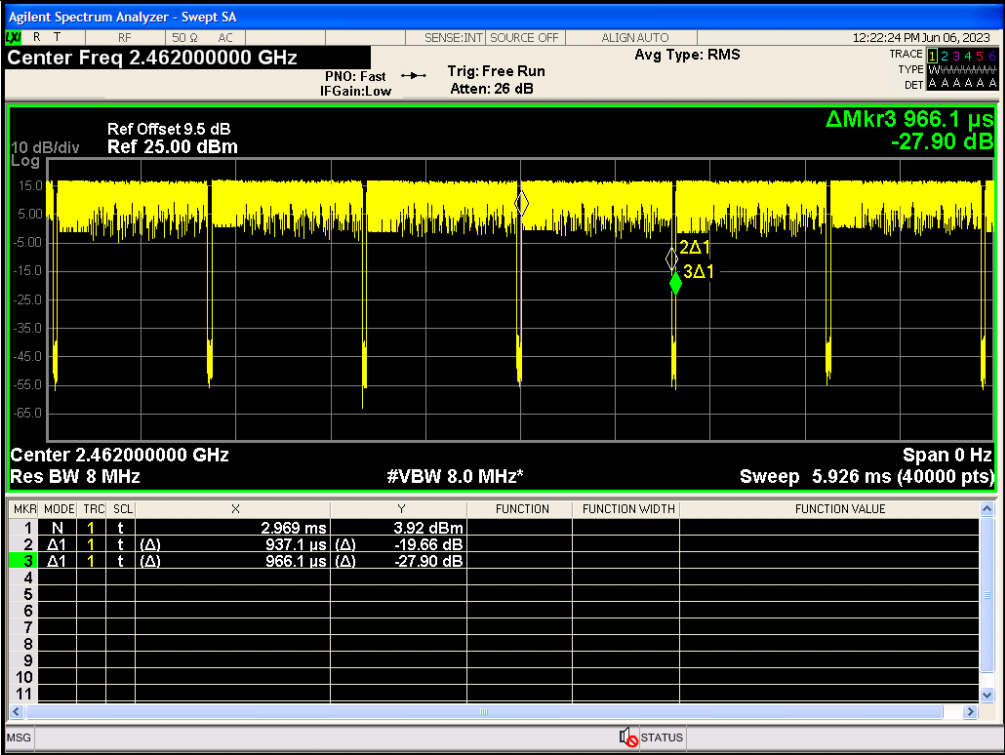
Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	0.937	0.966	96.99	0.9699	0.1327
		6	0.937	0.966	96.98	0.9698	0.1332
		11	0.937	0.966	96.99	0.9699	0.1327
IEEE 802.11g	54	1	0.177	0.302	58.48	0.5848	2.3299
		6	0.177	0.302	58.53	0.5853	2.3262
		11	0.176	0.302	58.48	0.5848	2.3299
IEEE 802.11n_20	MCS 7	1	0.164	0.299	55.02	0.5502	2.5948
		6	0.164	0.344	47.85	0.4785	3.2012
		11	0.165	0.299	55.07	0.5507	2.5908
IEEE 802.11n_40		3	0.101	0.297	33.82	0.3382	4.7083
		6	0.101	0.297	33.85	0.3385	4.7044
		9	0.101	0.297	33.80	0.3380	4.7108

Test Graphs

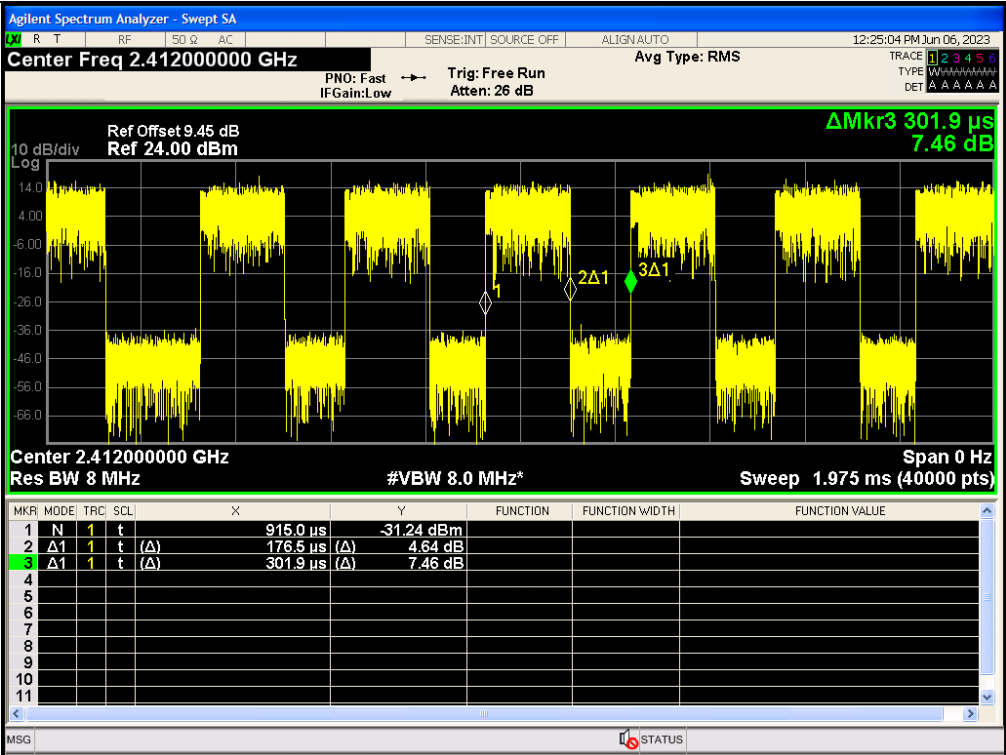




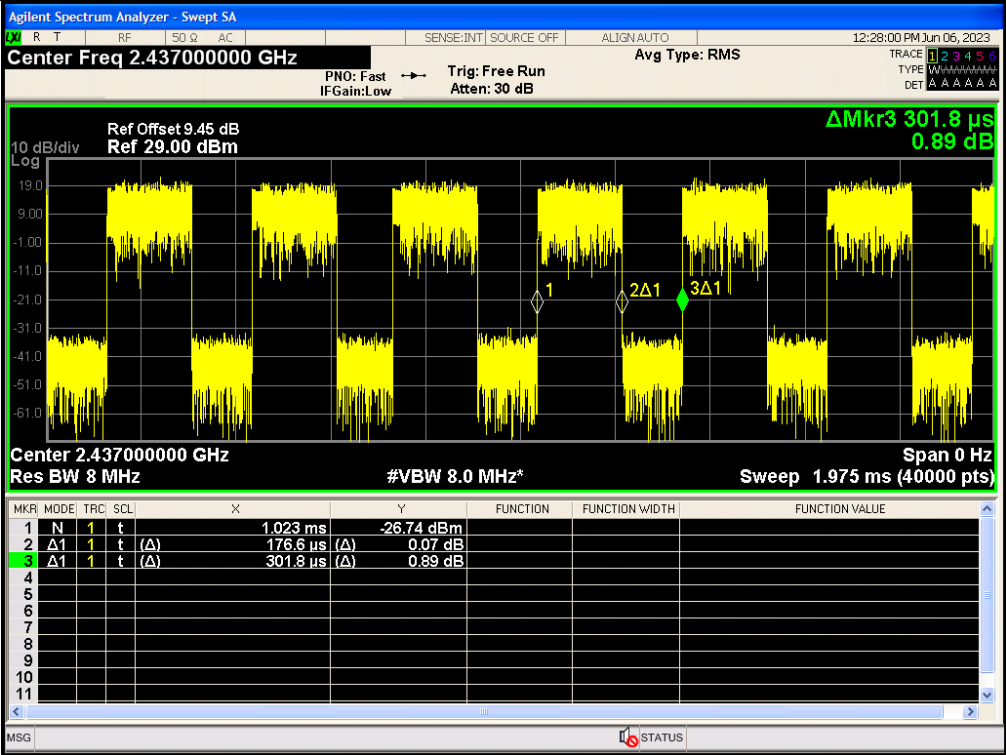
IEEE 802.11b_20MHz_Channel 6



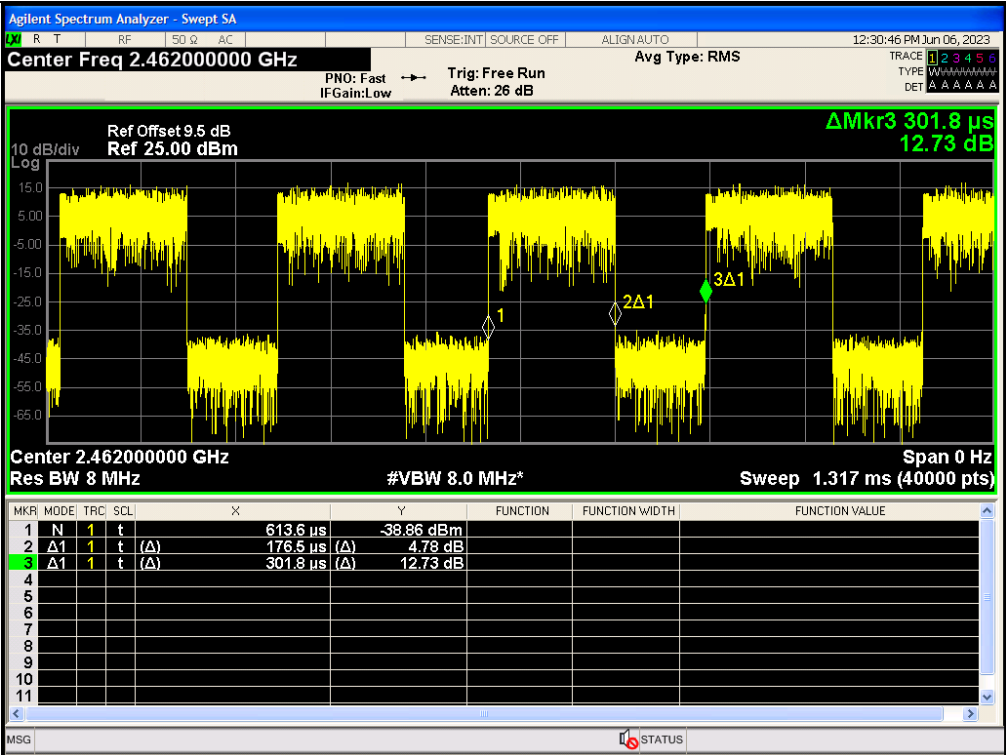
IEEE 802.11b_20MHz_Channel 11



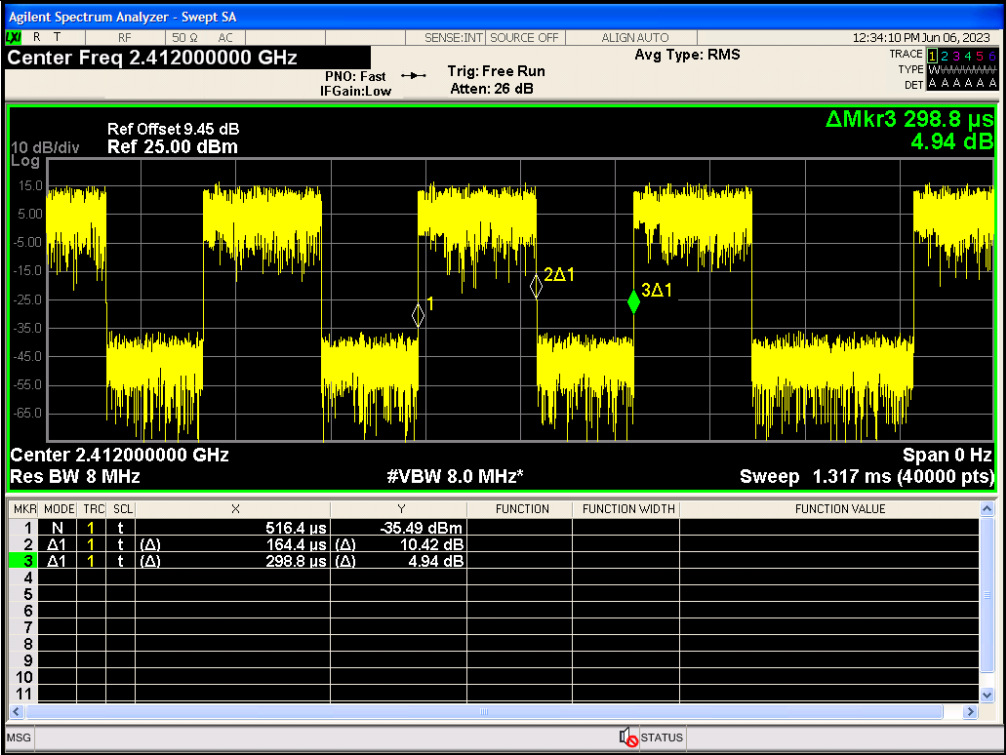
IEEE 802.11g_20MHz_Channel 1



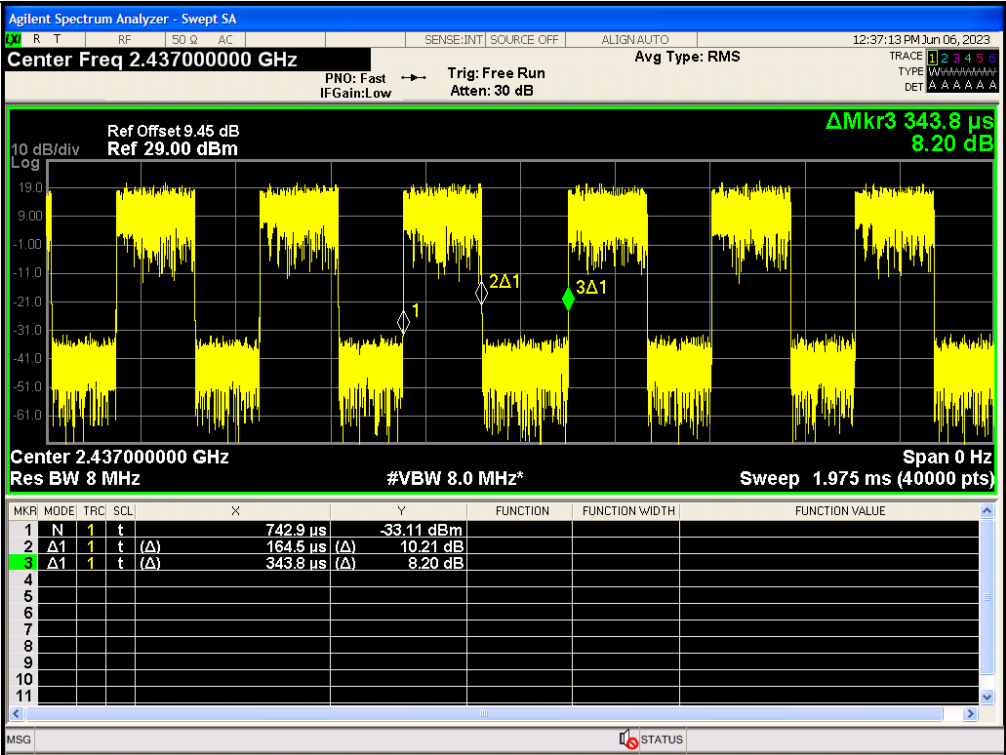
IEEE 802.11g_20MHz_Channel 6



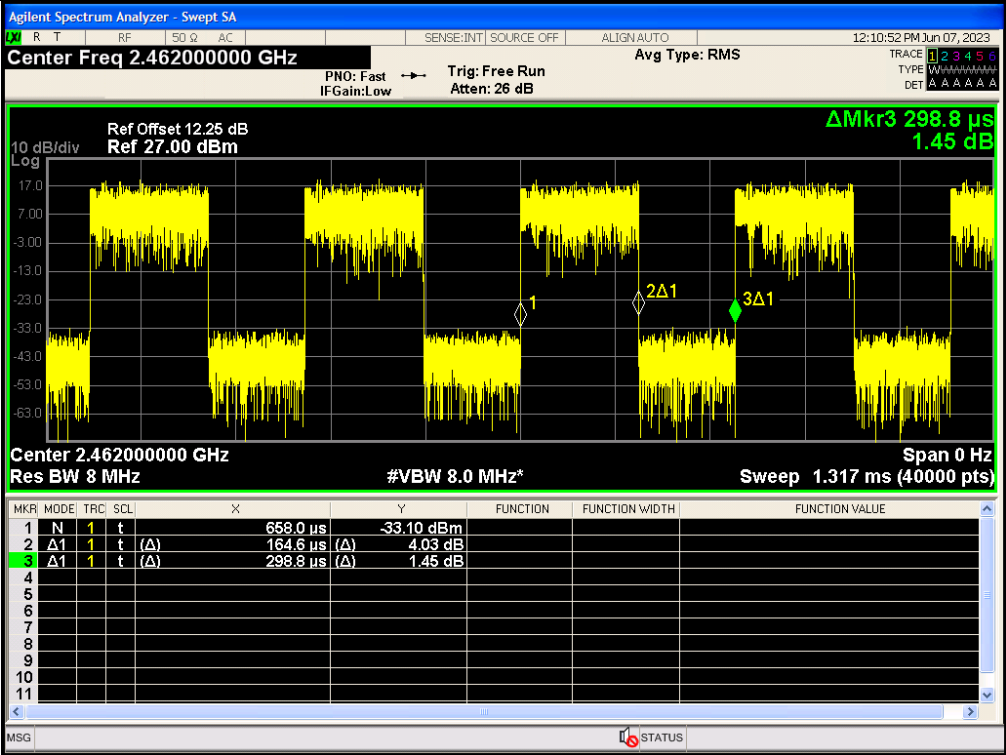
IEEE 802.11g_20MHz_Channel 11



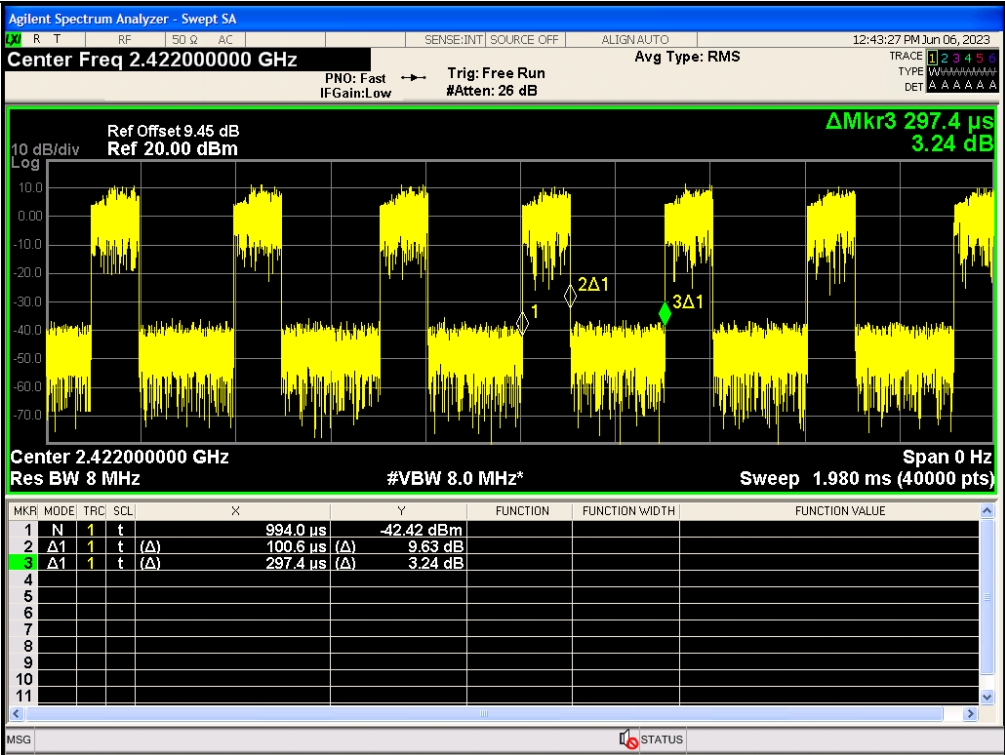
IEEE 802.11n_20MHz_Channel 1



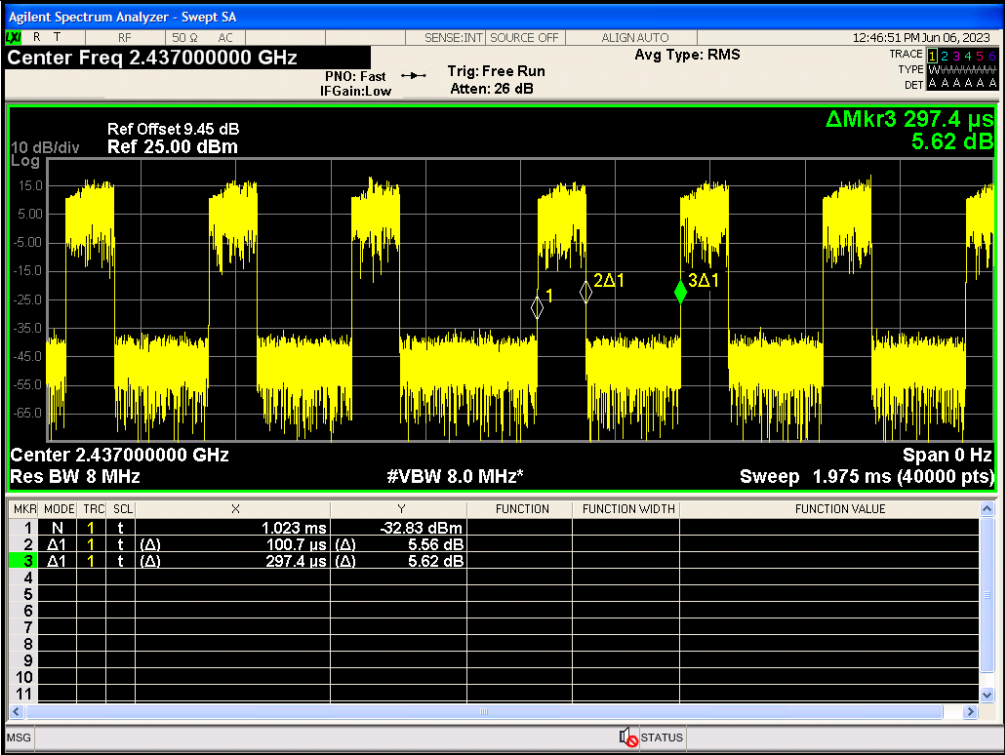
IEEE 802.11n_20MHz_Channel 6



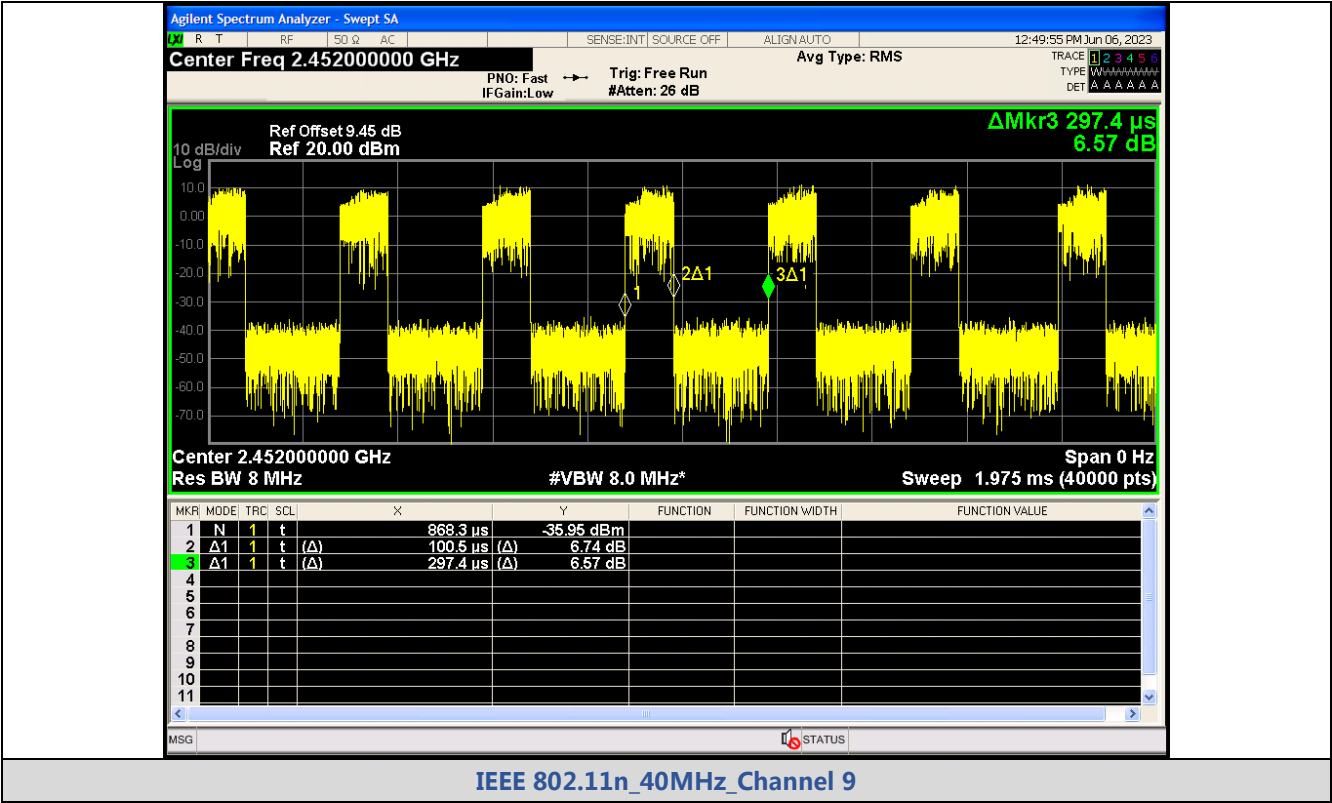
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3

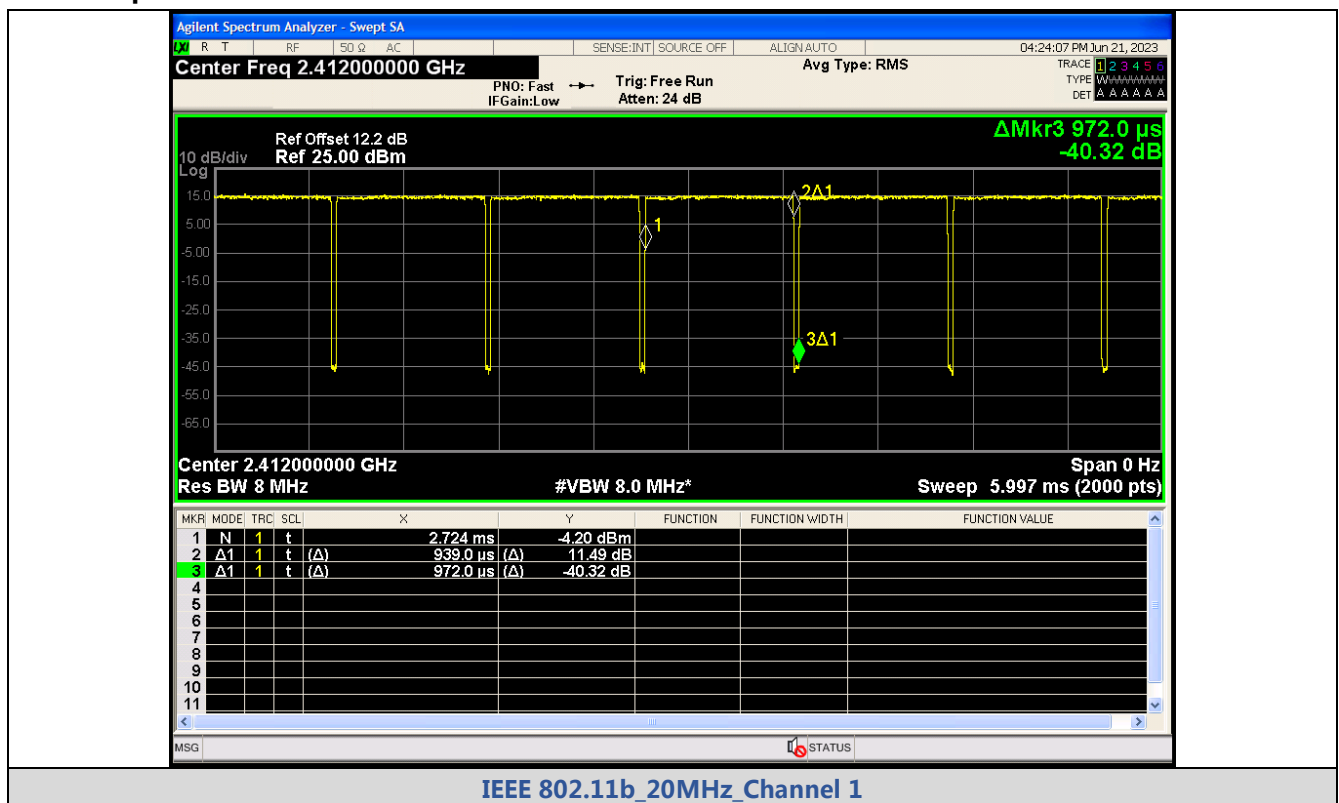


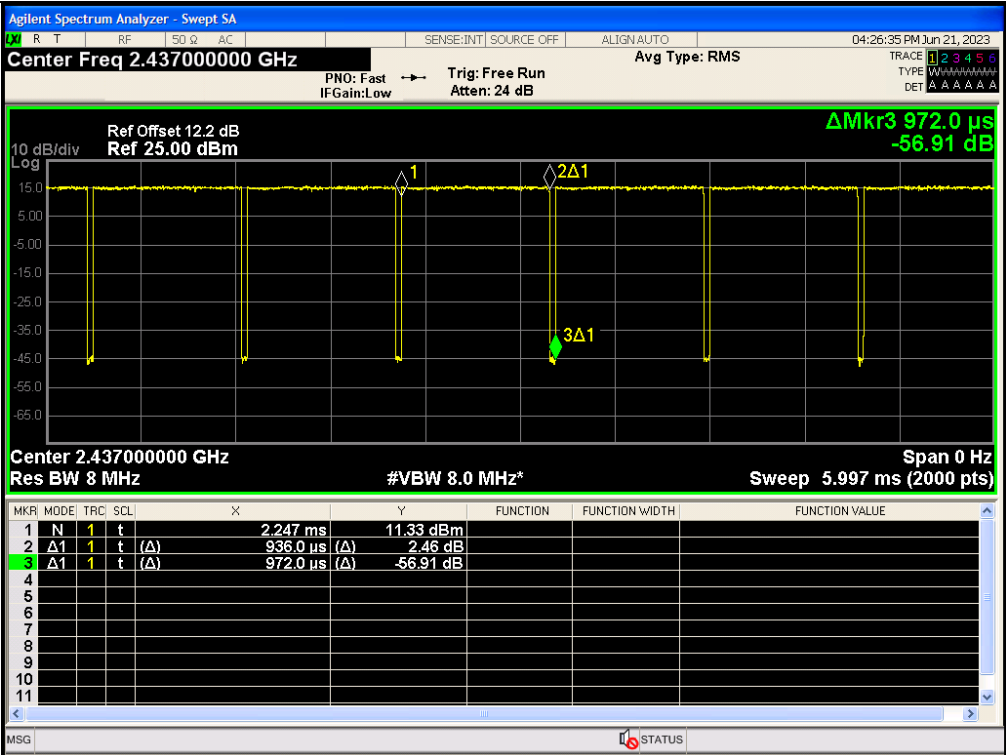
IEEE 802.11n_40MHz_Channel 6



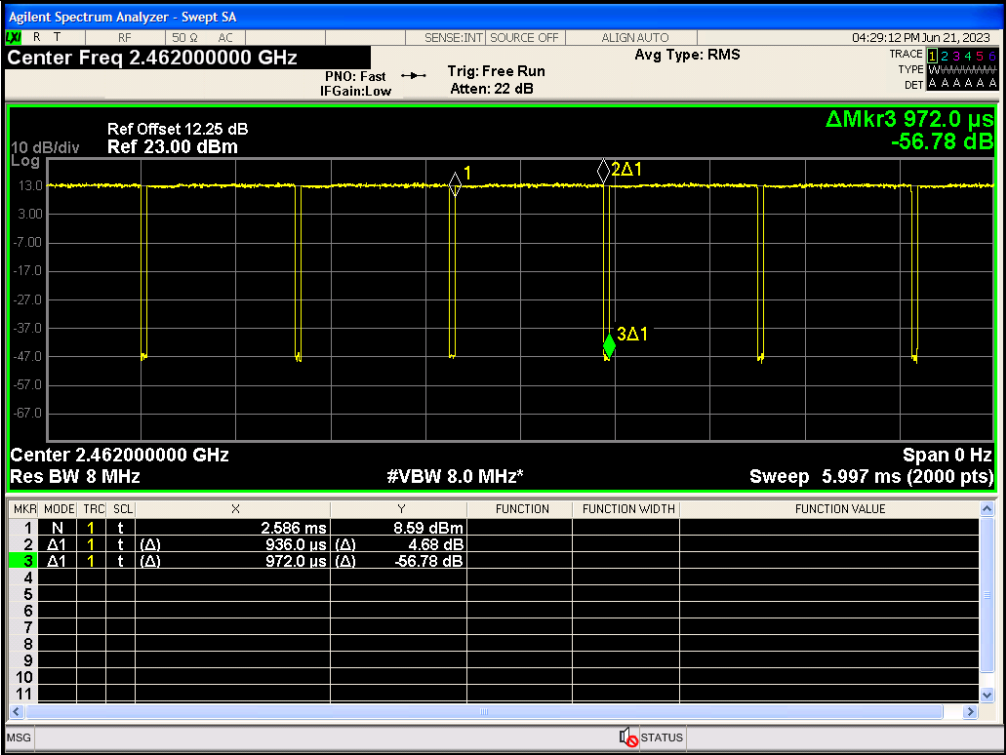
Antenna B:**Test Result**

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	0.936	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	80.65	0.8065	0.934
		6	0.179	0.221	80.65	0.8065	0.934
		11	0.179	0.221	80.95	0.8095	0.9178
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	79.81	0.7981	0.9794
IEEE 802.11n_40		3	0.102	0.145	70.61	0.7061	1.5113
		6	0.102	0.145	70.61	0.7061	1.5113
		9	0.102	0.144	70.52	0.7052	1.5169

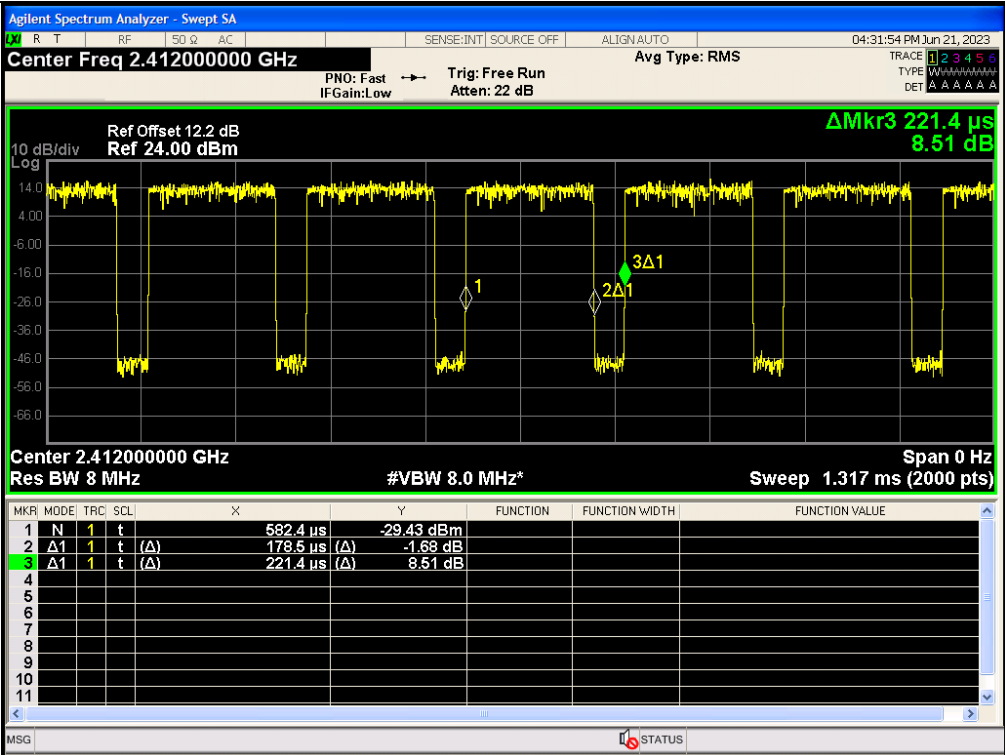
Test Graphs



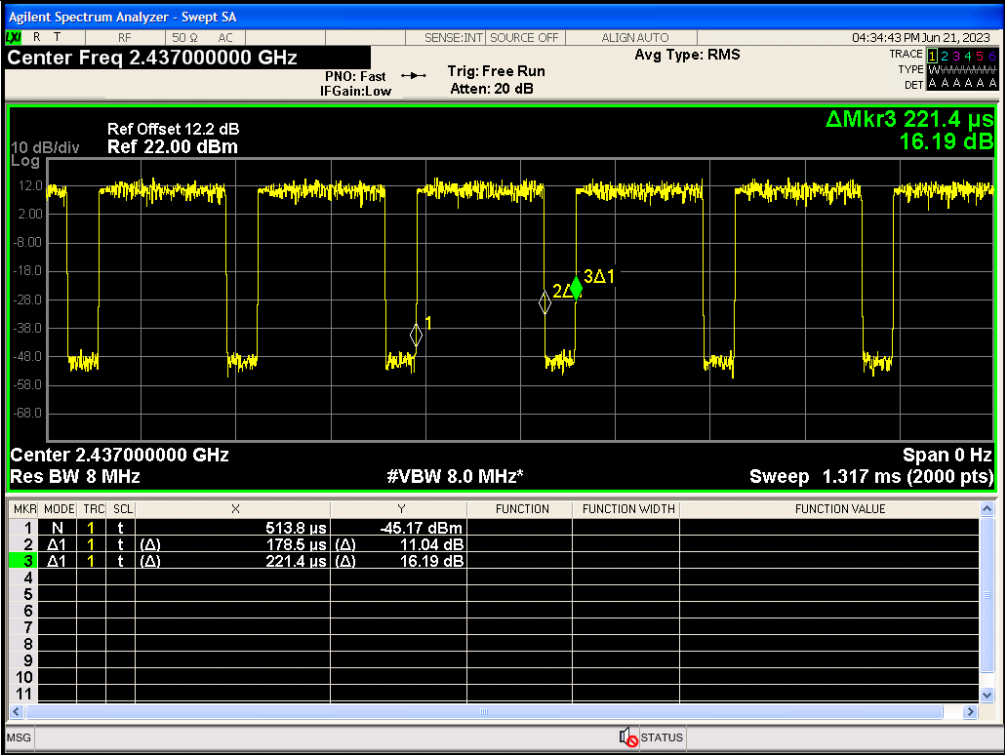
IEEE 802.11b_20MHz_Channel 6



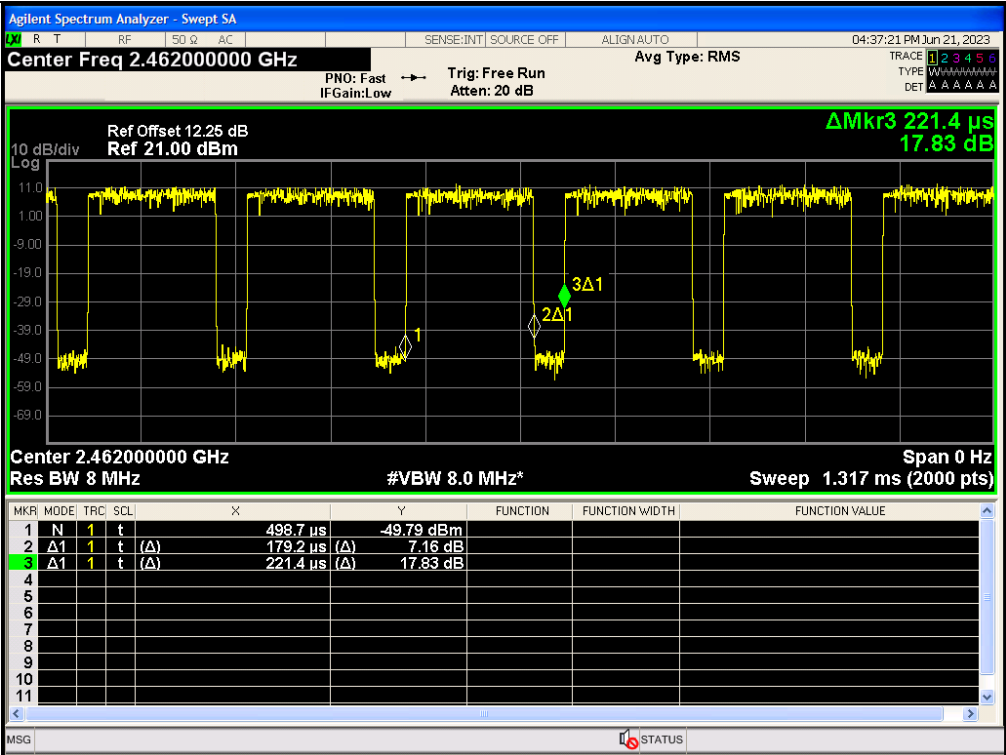
IEEE 802.11b_20MHz_Channel 11



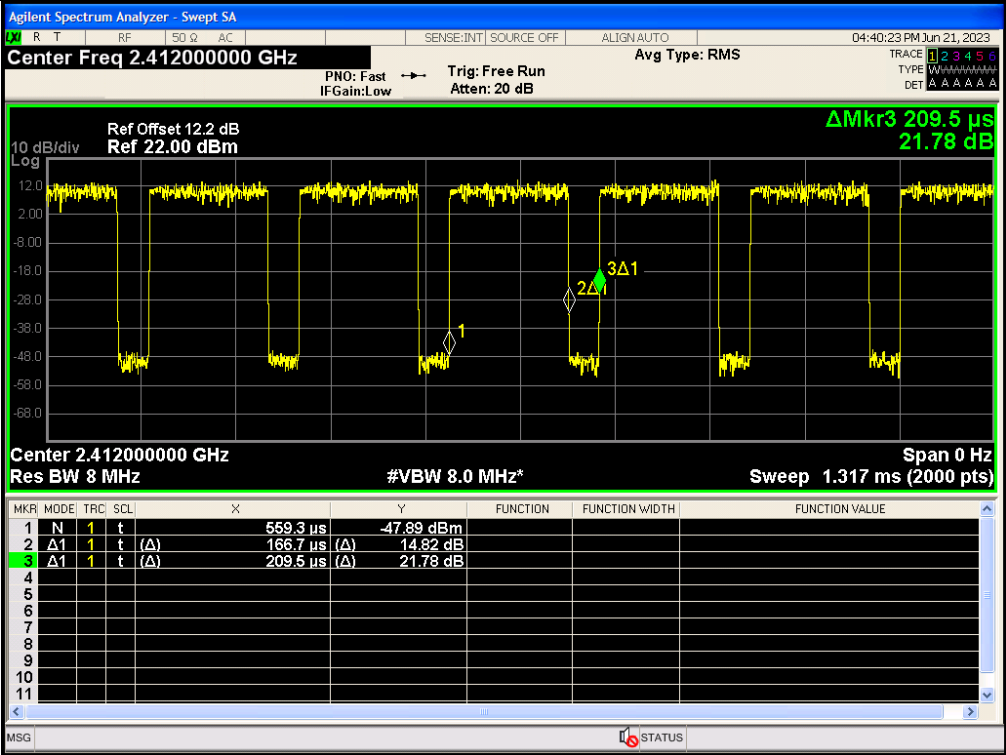
IEEE 802.11g_20MHz_Channel 1



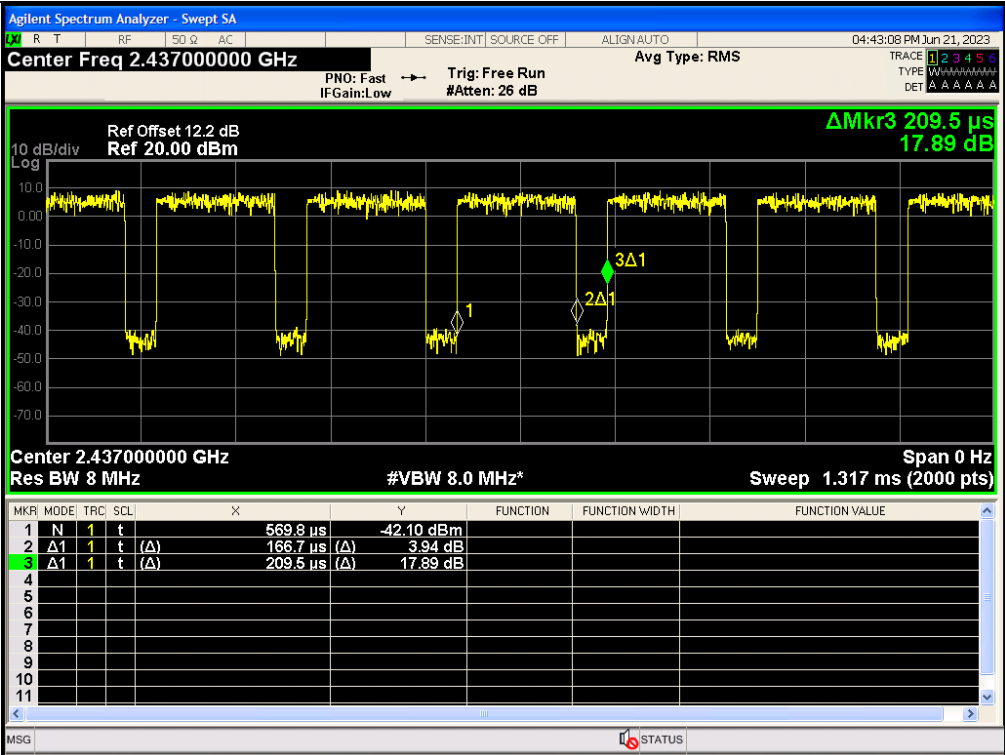
IEEE 802.11g_20MHz_Channel 6



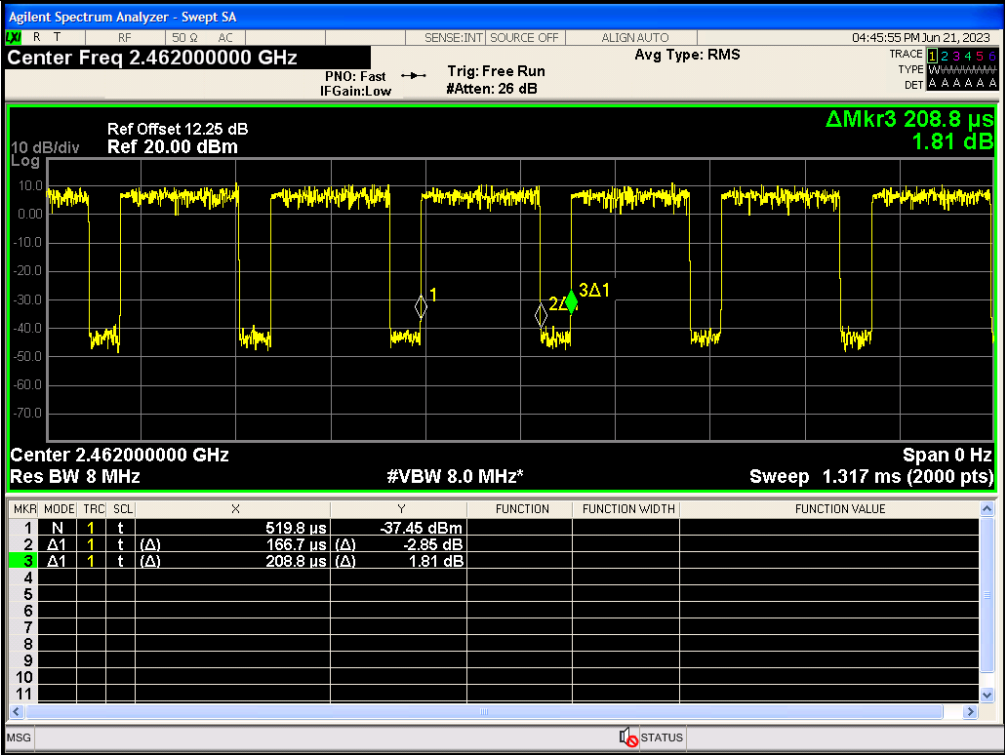
IEEE 802.11g_20MHz_Channel 11



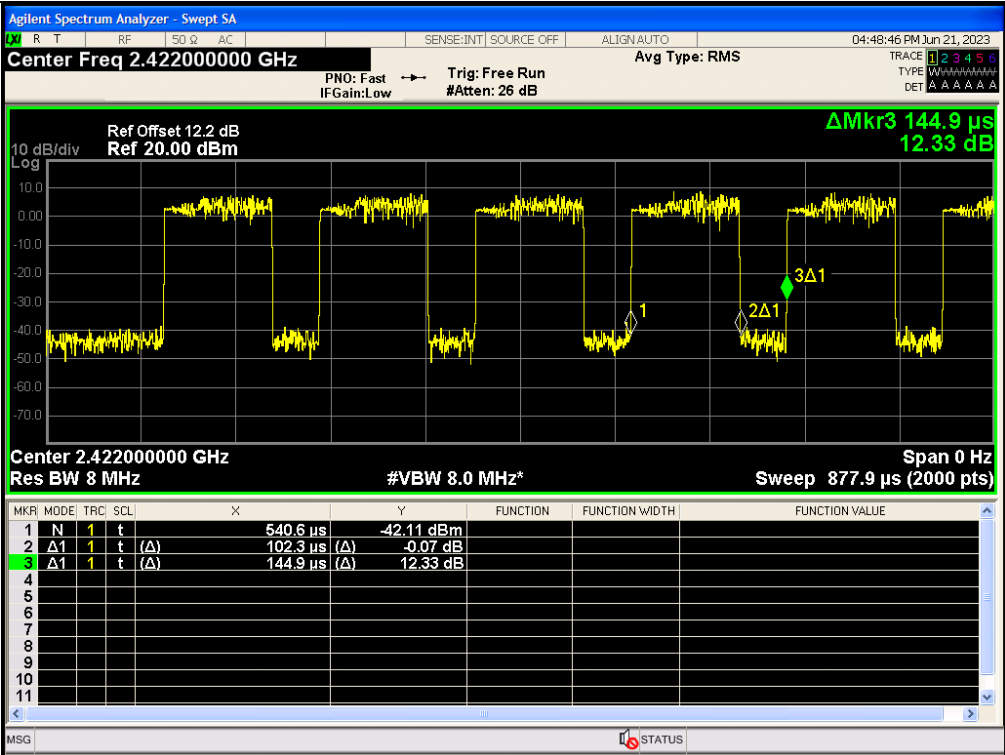
IEEE 802.11n_20MHz_Channel 1



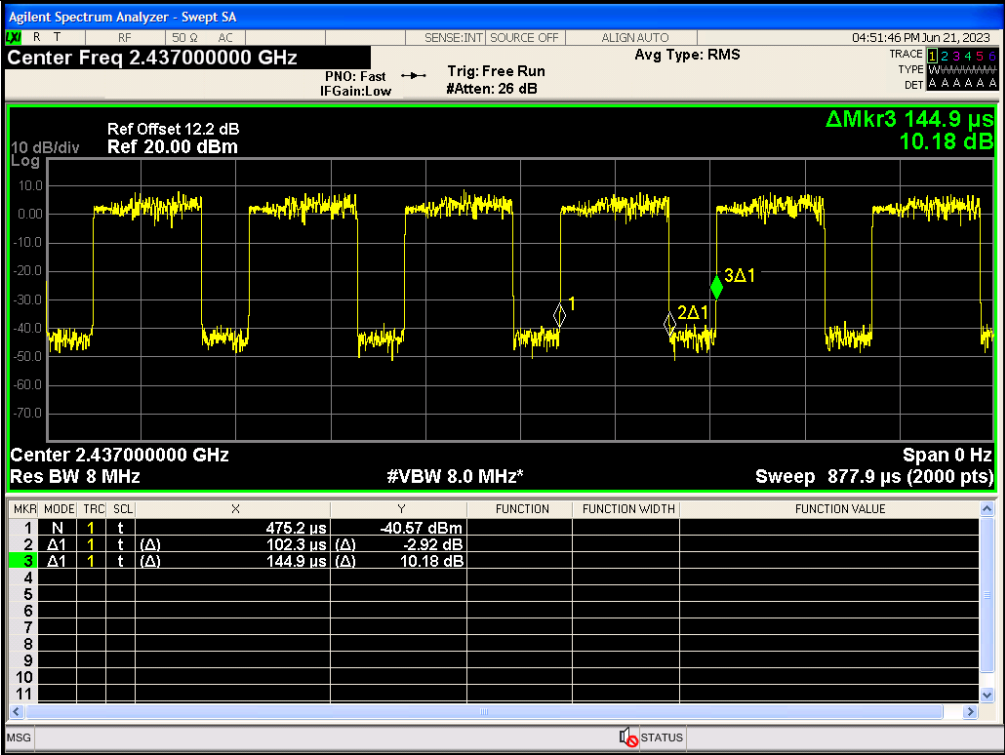
IEEE 802.11n_20MHz_Channel 6



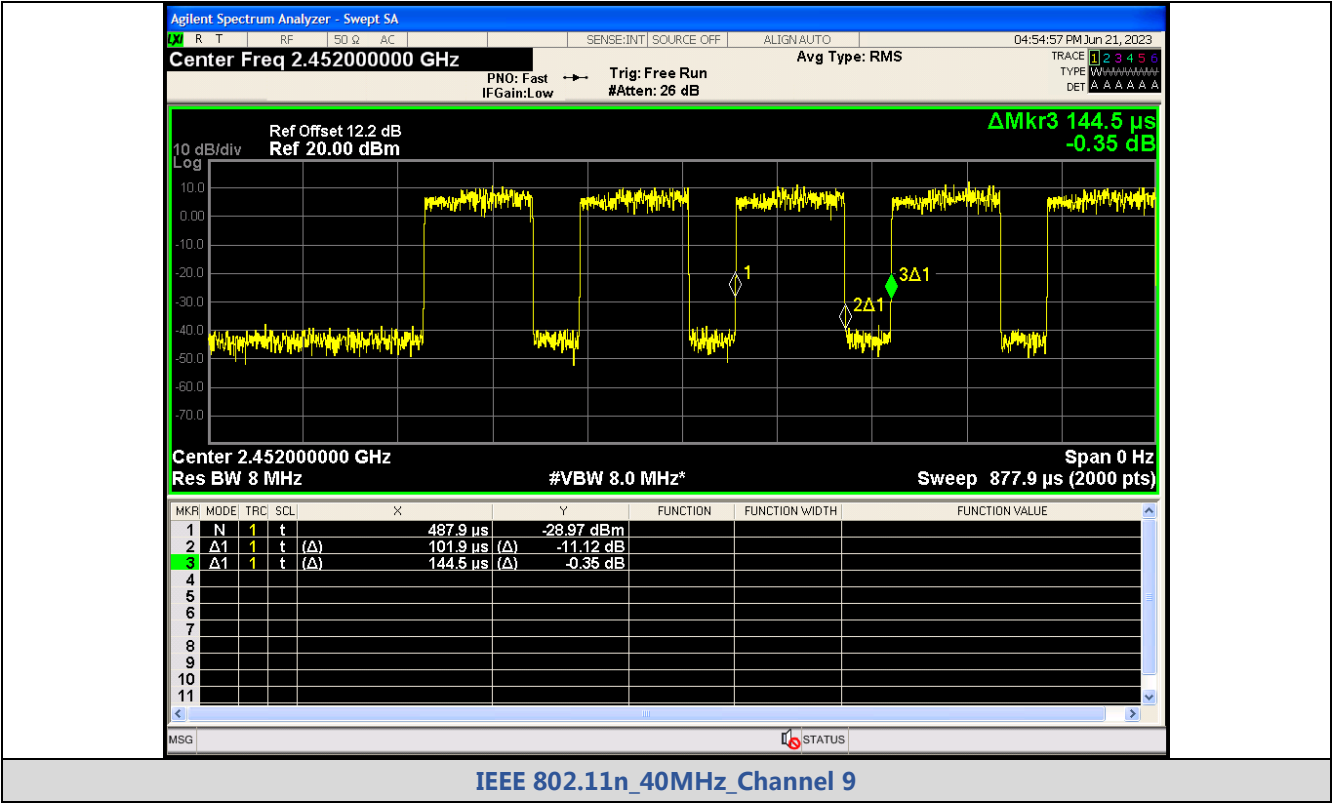
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6

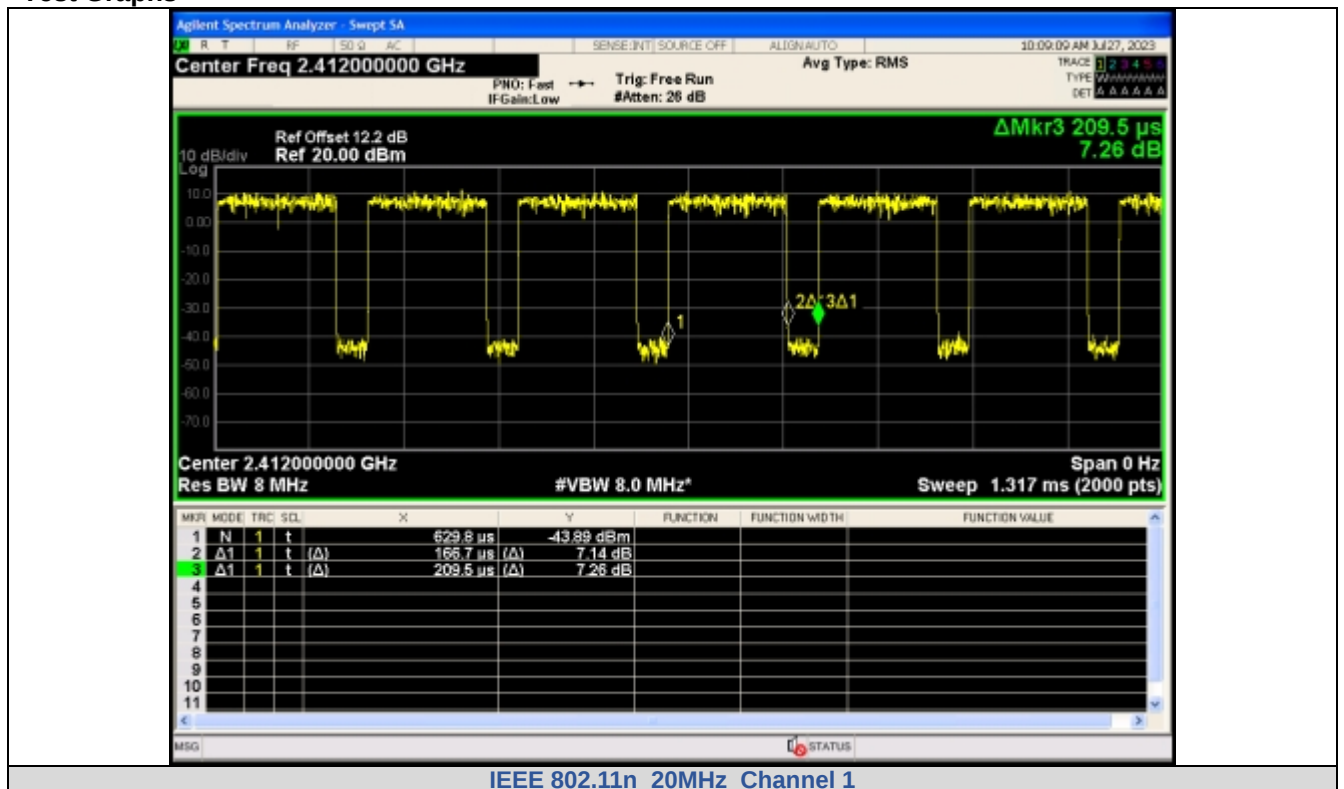


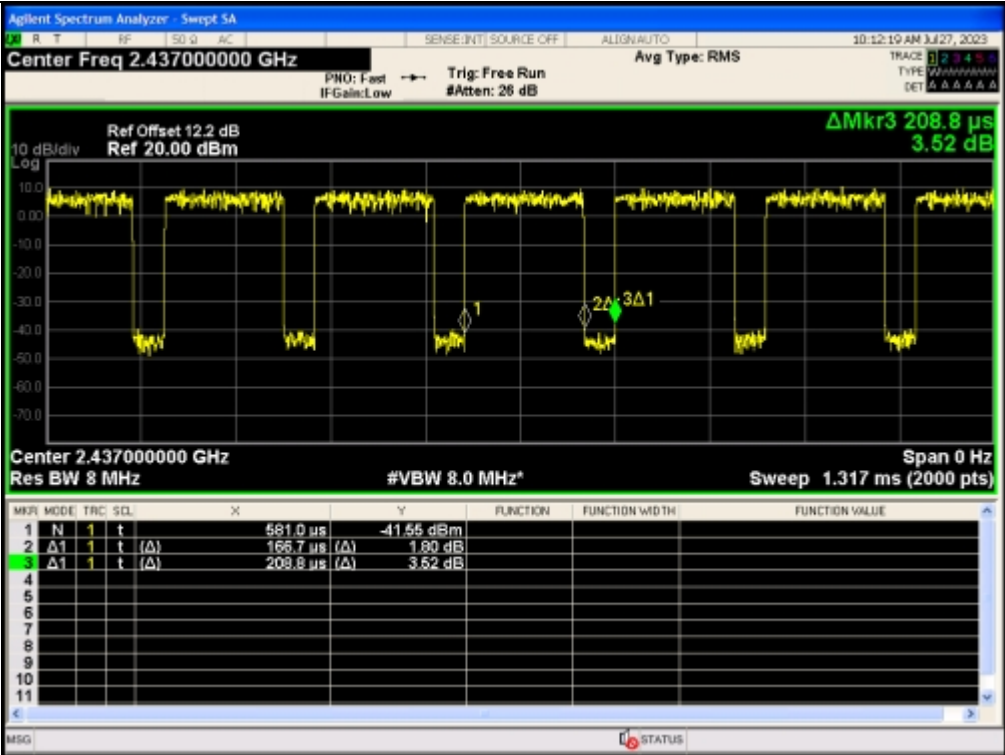
Antenna A+ Antenna B:

Test Result

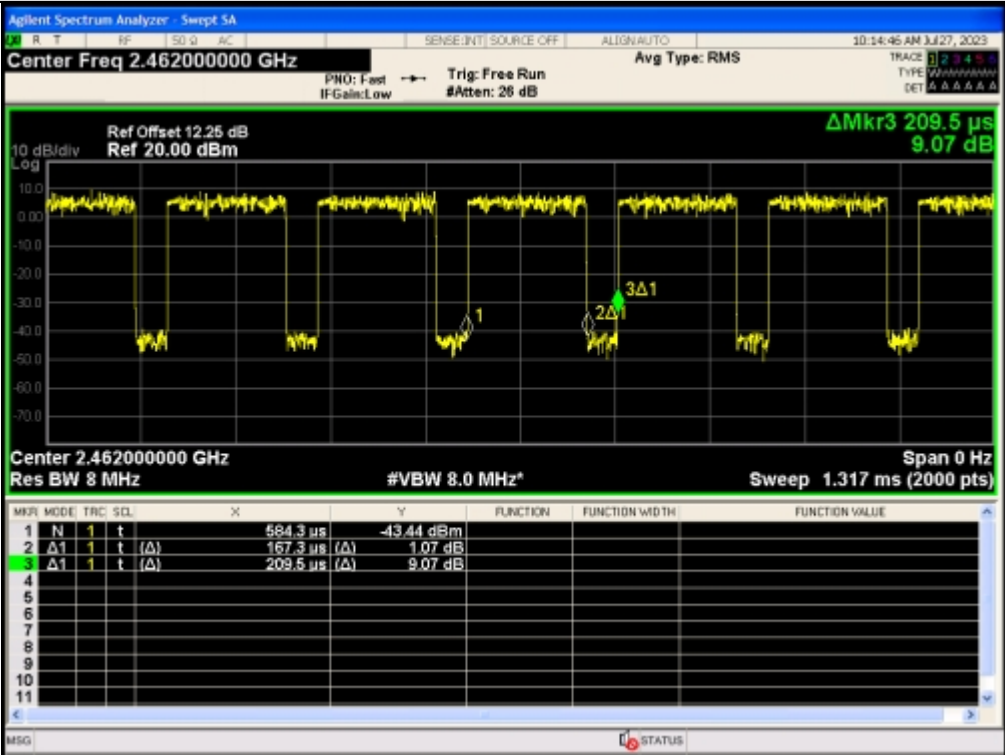
Mode	Data rates	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11n_20	MCS 7	1	0.167	0.209	79.56	0.7956	0.9931
		6	0.167	0.209	79.81	0.7981	0.9794
		11	0.167	0.209	79.87	0.7987	0.9762
IEEE 802.11n_40		3	0.102	0.144	70.52	0.7052	1.5169
		6	0.102	0.144	70.52	0.7052	1.5169
		9	0.102	0.145	70.30	0.7030	1.5304

Test Graphs

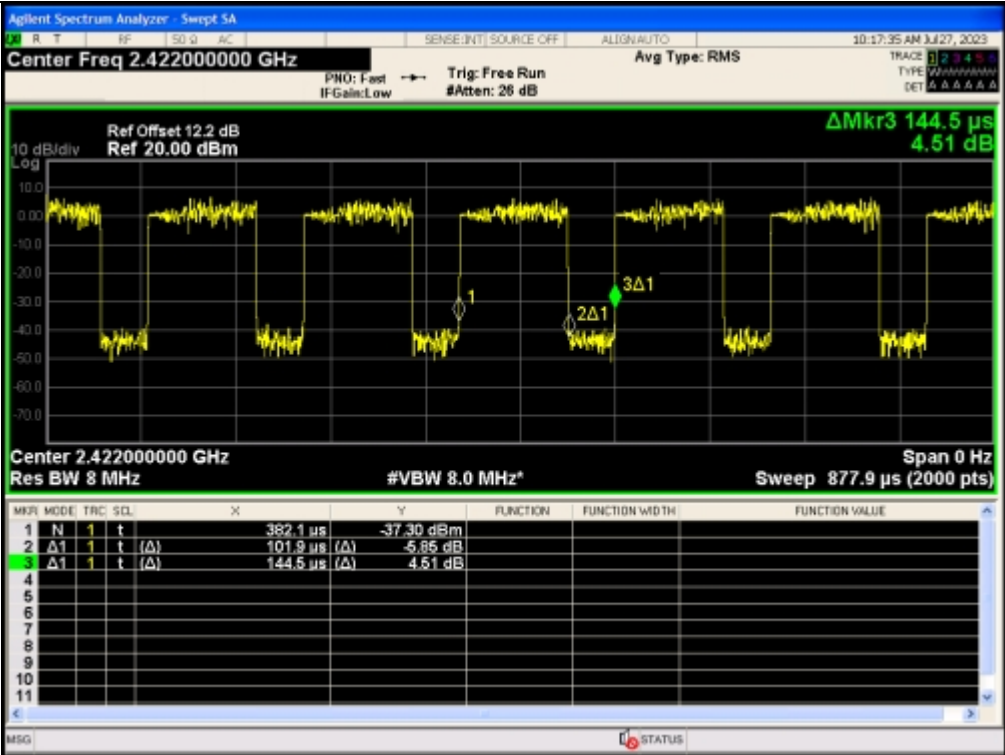




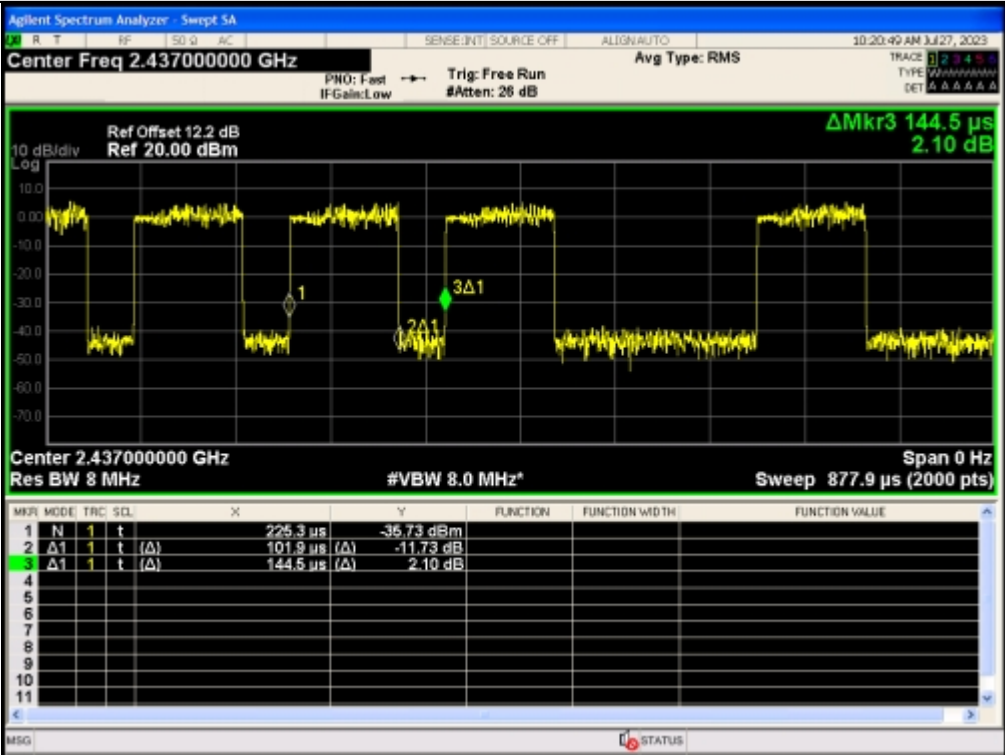
IEEE 802.11n_20MHz_Channel 6



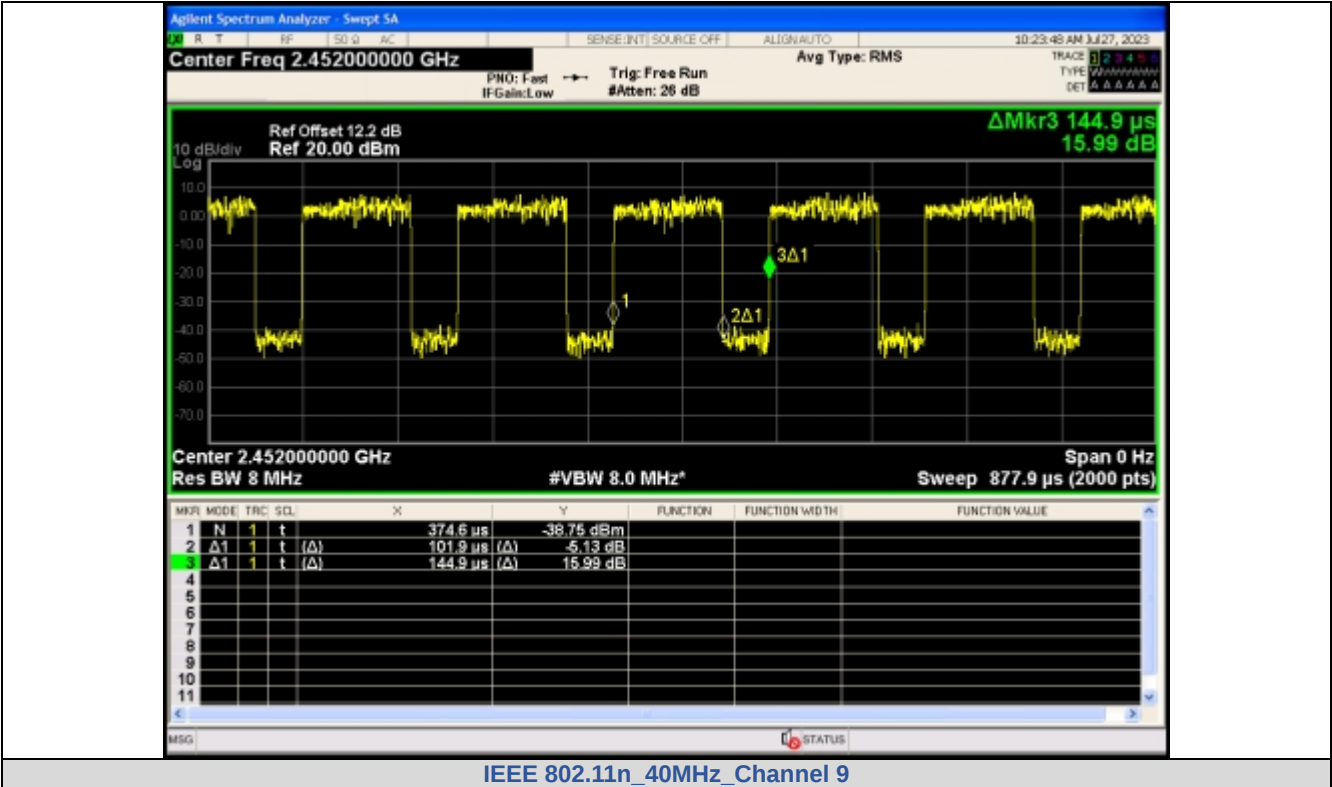
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



IEEE 802.11n_40MHz_Channel 9

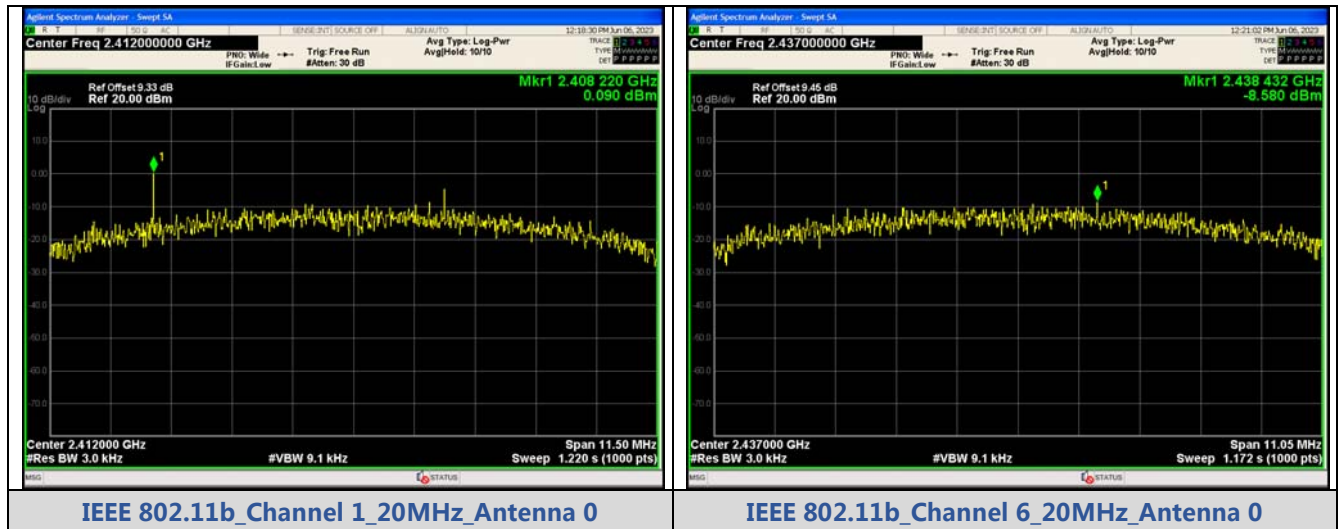
APPENDIX VI. Power Spectral Density

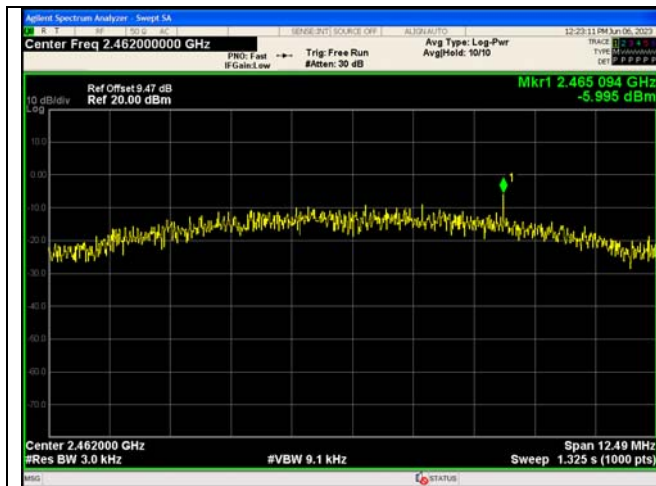
Antenna A:

Test Result

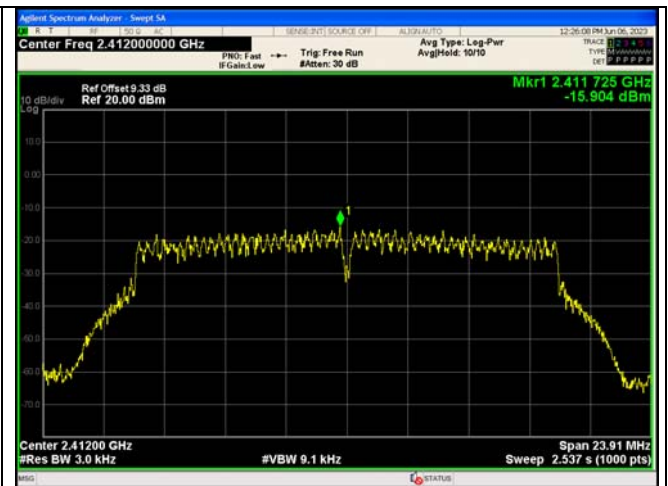
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	0.090	8	PASS
	6	-8.580		PASS
	11	-5.995		PASS
IEEE 802.11g	1	-15.904		PASS
	6	-11.162		PASS
	11	-15.499		PASS
IEEE 802.11n_20	1	-15.009		PASS
	6	-10.764		PASS
	11	-15.860		PASS
IEEE 802.11n_40	3	-21.790		PASS
	6	-14.554		PASS
	9	-21.080		PASS

Test Graphs

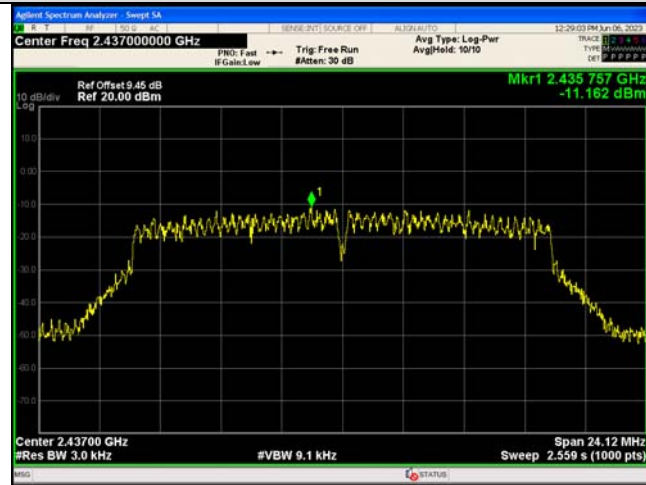




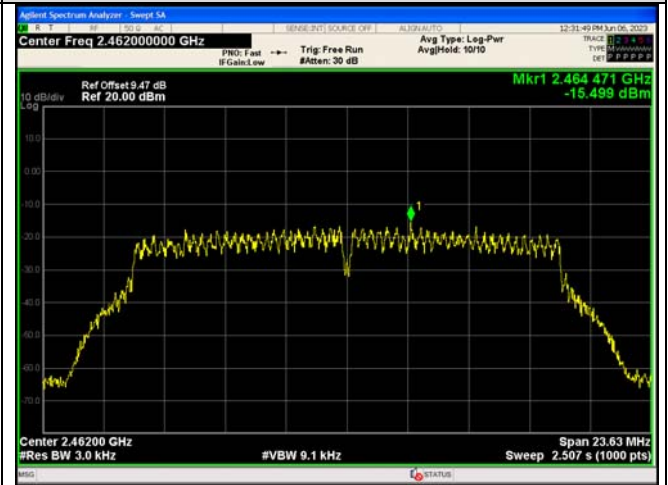
IEEE 802.11b_Channel 11_20MHz_Antenna 0



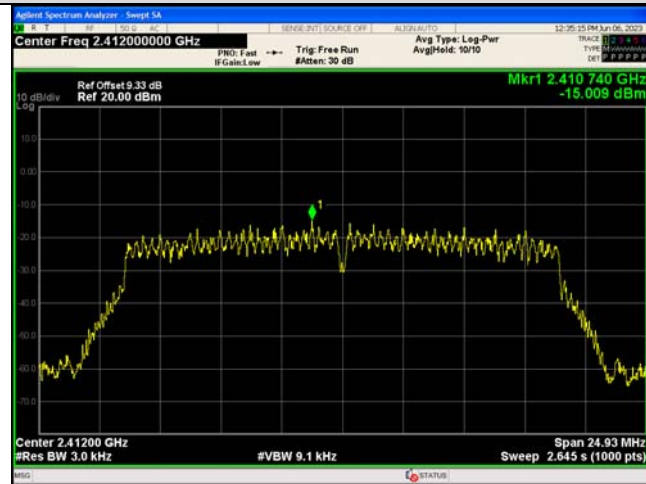
IEEE 802.11g_Channel 1_20MHz_Antenna 0



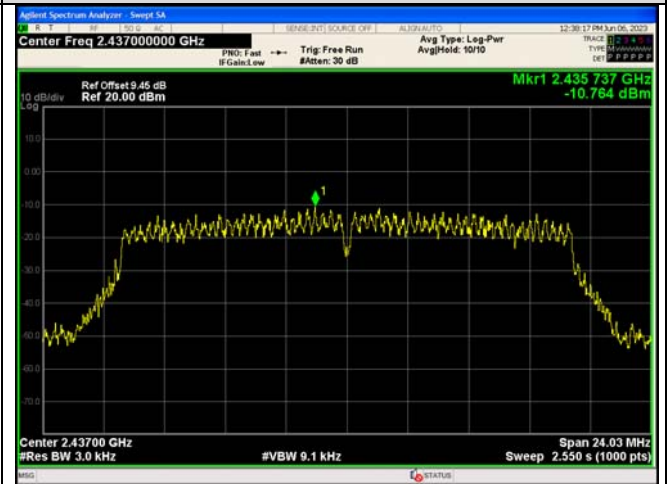
IEEE 802.11g_Channel 6_20MHz_Antenna 0



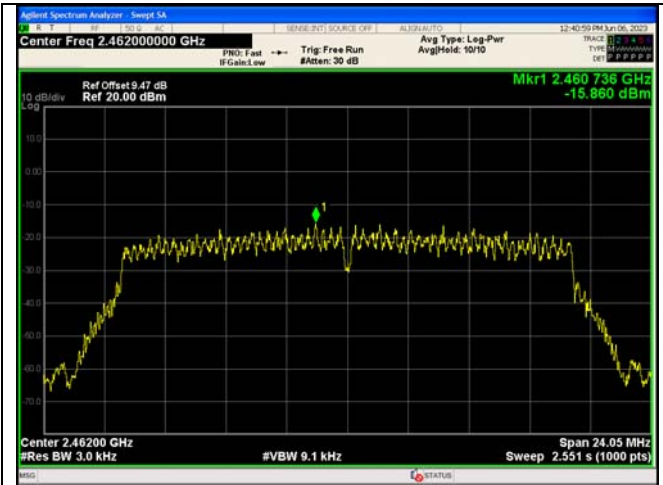
IEEE 802.11g_Channel 11_20MHz_Antenna 0



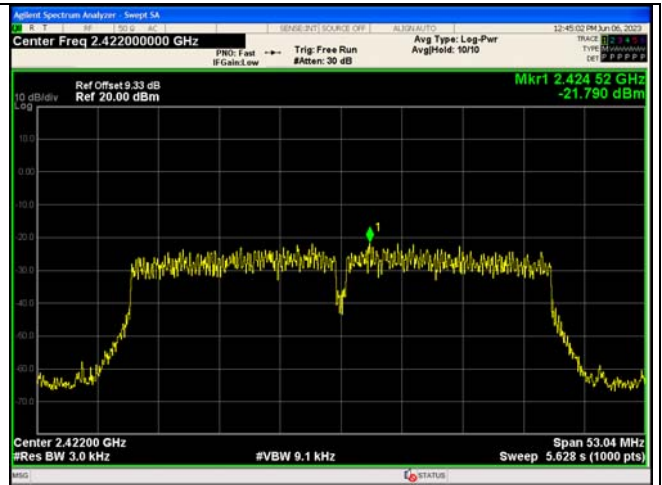
IEEE 802.11n_Channel 1_20MHz_Antenna 0



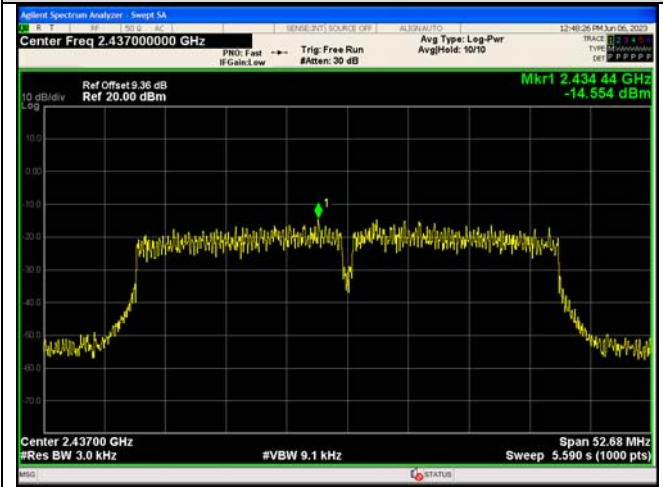
IEEE 802.11n_Channel 6_20MHz_Antenna 0



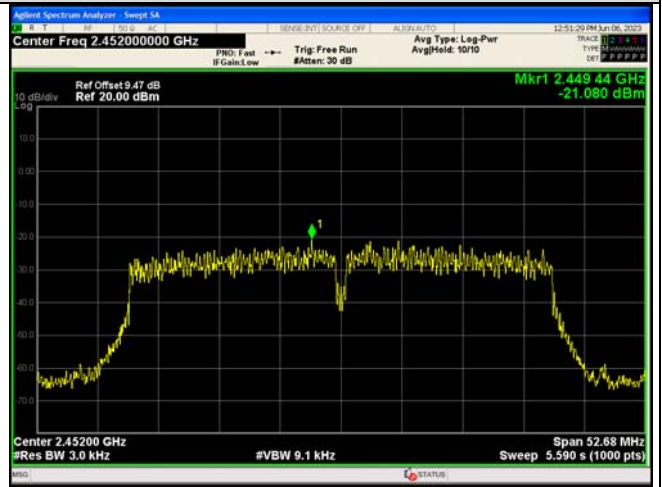
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



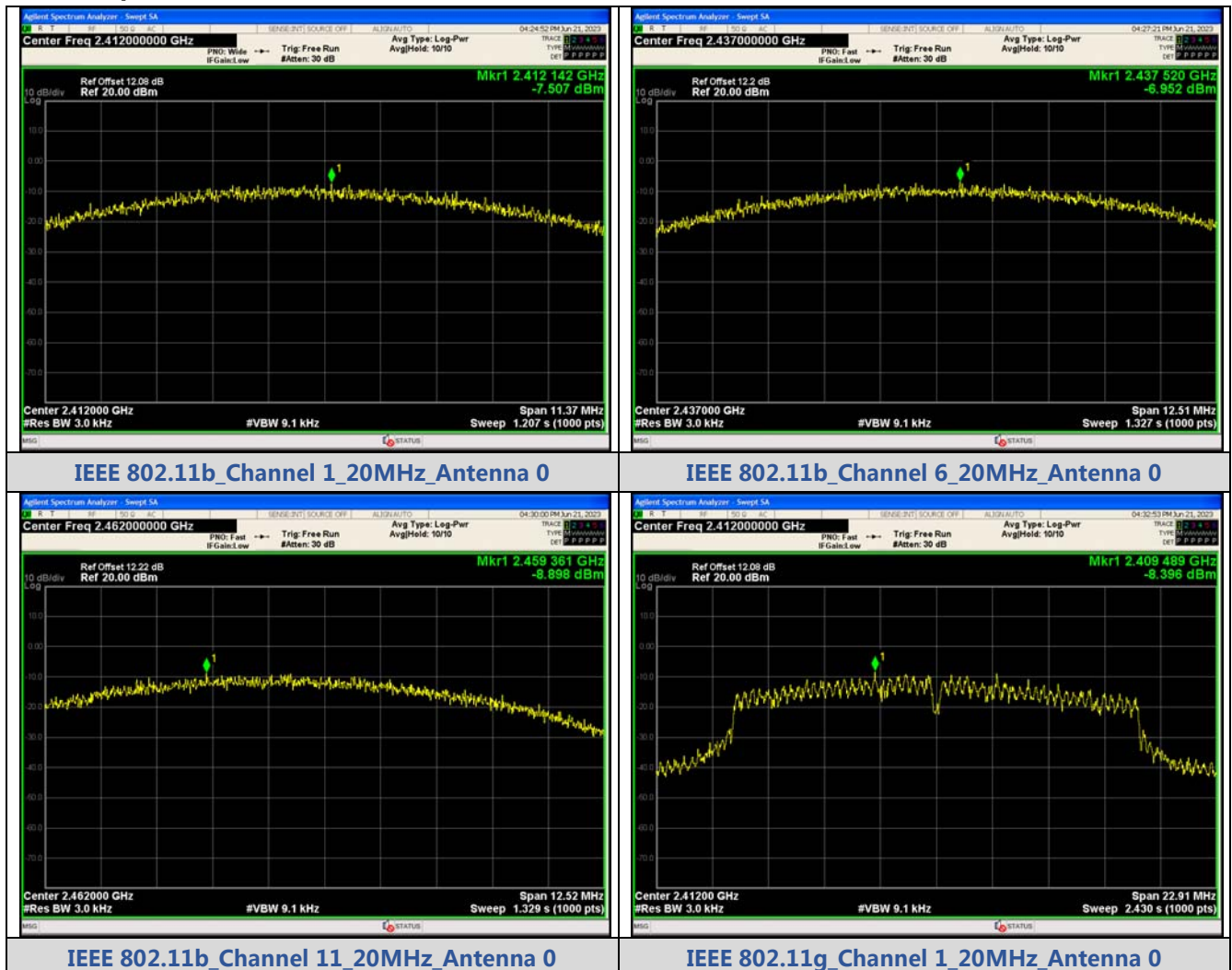
IEEE 802.11n_Channel 6_40MHz_Antenna 0

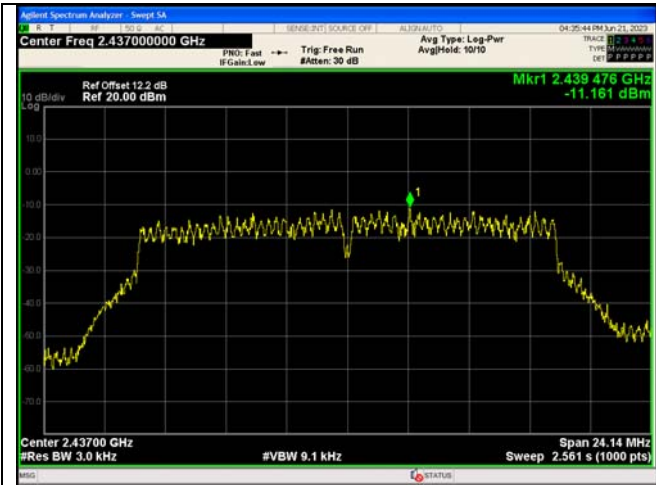


IEEE 802.11n_Channel 9_40MHz_Antenna 0

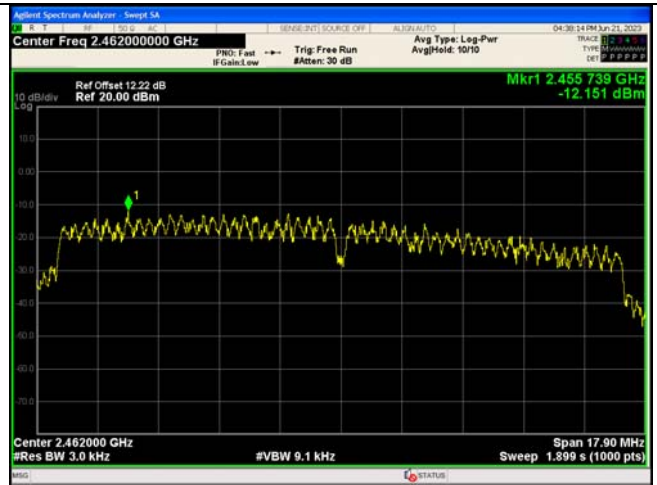
Antenna B:**Test Result**

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-7.507	8	PASS
	6	-6.952		PASS
	11	-8.898		PASS
IEEE 802.11g	1	-8.396		PASS
	6	-11.161		PASS
	11	-12.151		PASS
IEEE 802.11n_20	1	-9.953		PASS
	6	-15.950		PASS
	11	-13.244		PASS
IEEE 802.11n_40	3	-15.317		PASS
	6	-14.550		PASS
	9	-12.541		PASS

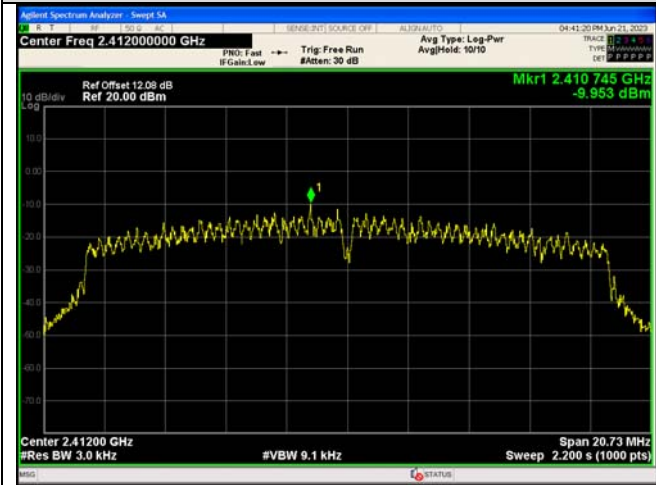
Test Graphs



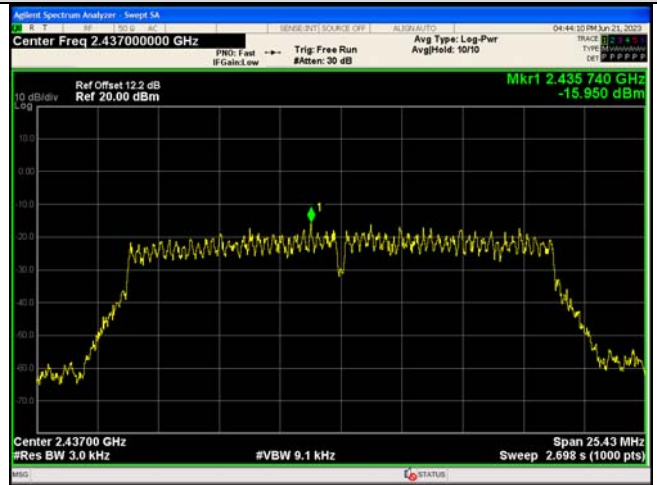
IEEE 802.11g_Channel 6_20MHz_Antenna 0



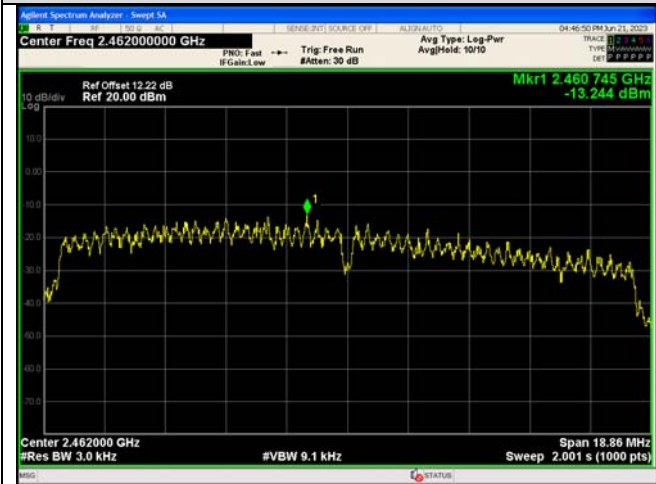
IEEE 802.11g_Channel 11_20MHz_Antenna 0



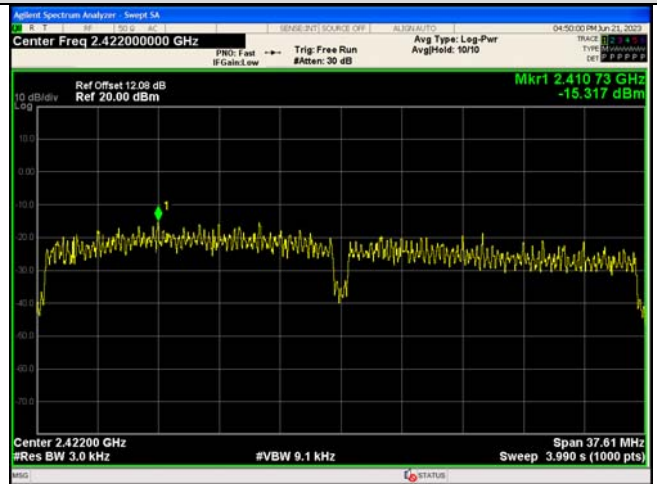
IEEE 802.11n_Channel 1_20MHz_Antenna 0



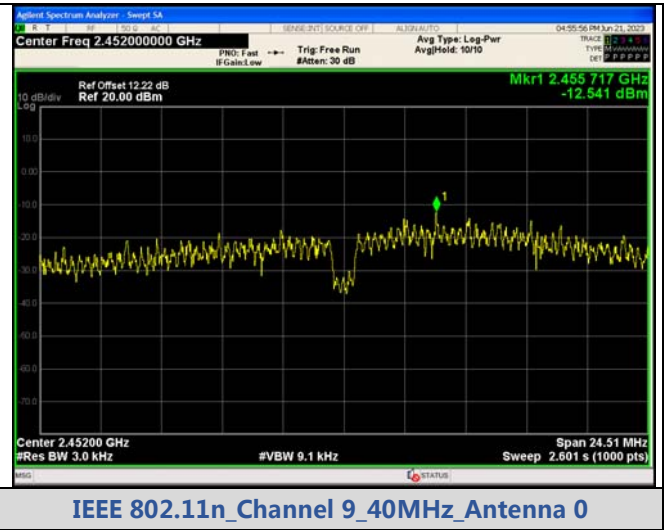
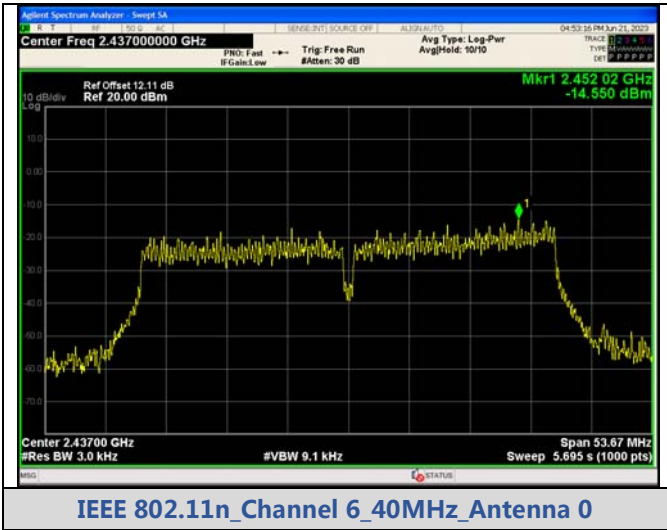
IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0

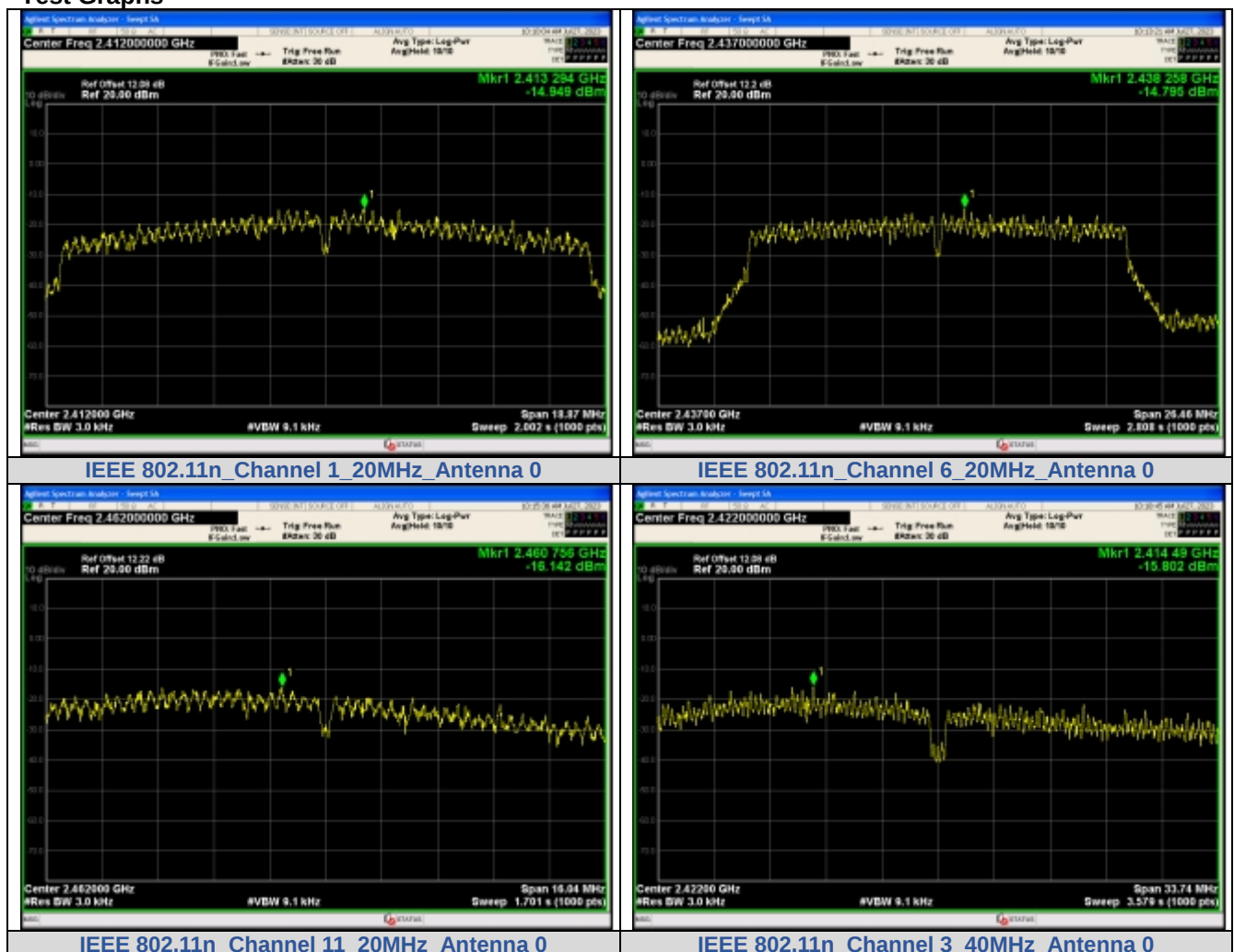


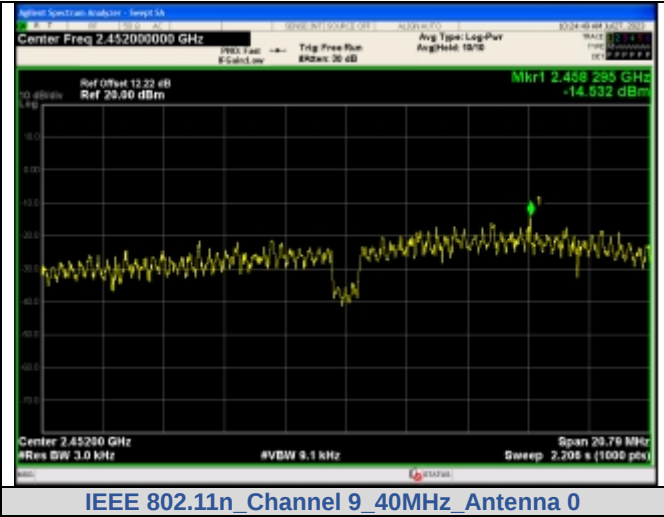
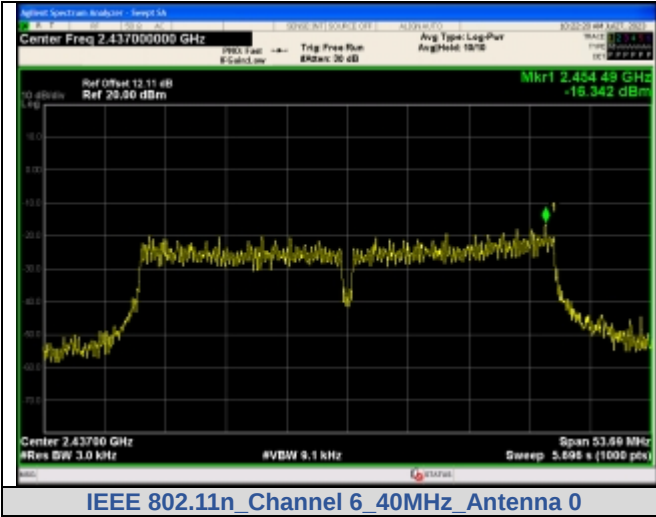
Antenna A+ Antenna B:

Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11n_20	1	-14.949	8	PASS
	6	-14.795		PASS
	11	-16.142		PASS
IEEE 802.11n_40	3	-15.802		PASS
	6	-16.342		PASS
	9	-14.532		PASS

Test Graphs





***** End of Report *****