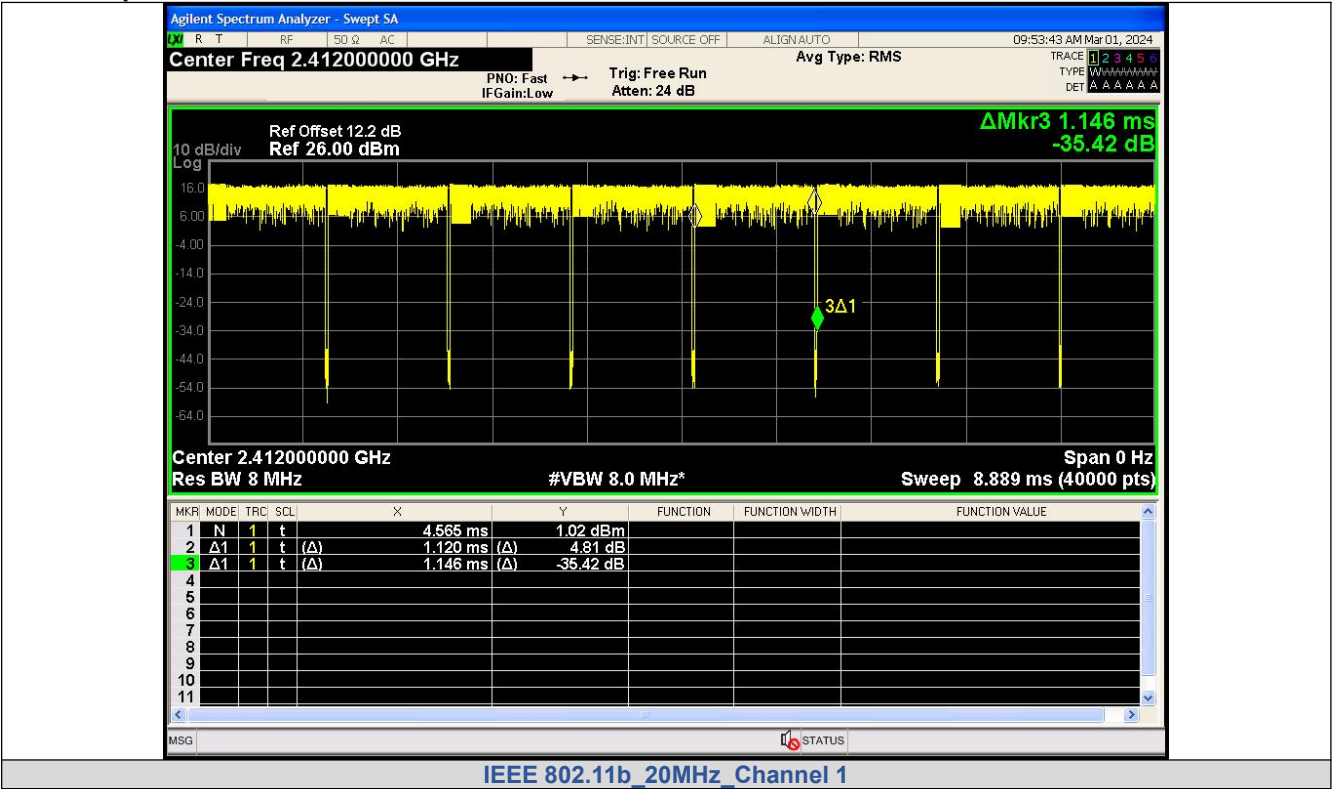


APPENDIX V.Duty Cycle

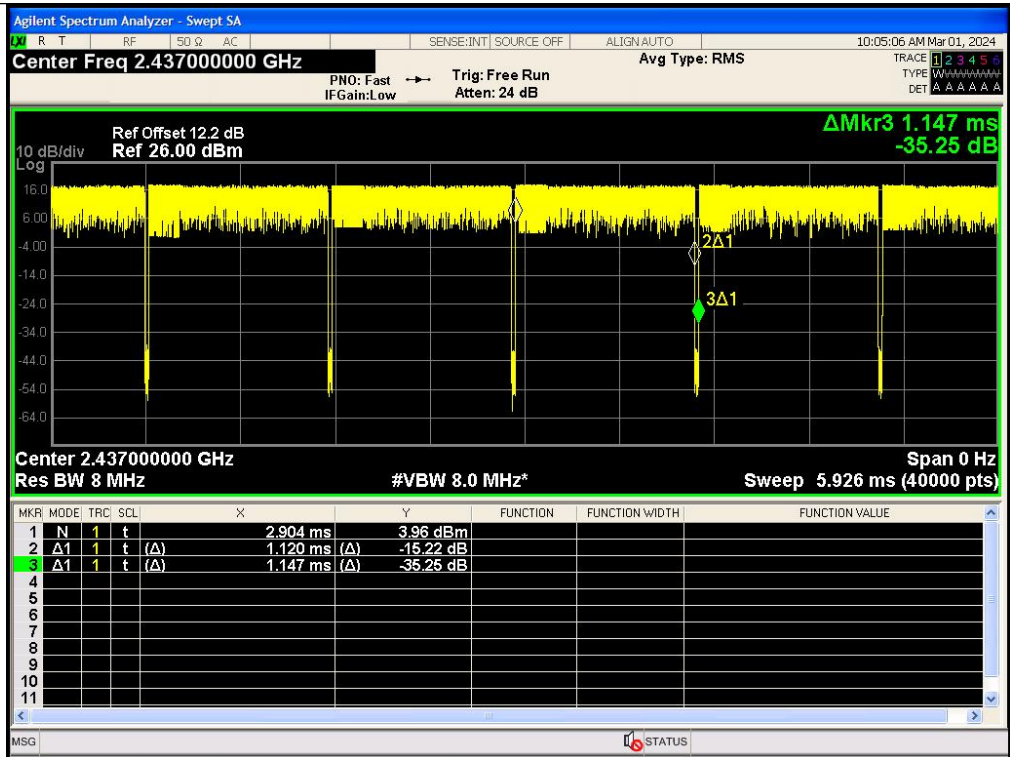
Antenna 1:
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	1	1.120	1.146	97.73	0.9773	0.0997
		6		1.120	1.147	97.65	0.9765	0.1033
		11		1.120	1.147	97.64	0.9764	0.1037
IEEE 802.11g	54	1		0.249	0.275	90.58	0.9058	0.4297
		6		0.249	0.276	90.33	0.9033	0.4417
		11		0.249	0.275	90.65	0.9065	0.4263
IEEE 802.11n_20	MCS 7	1		0.225	0.251	89.47	0.8947	0.4832
		6		0.225	0.252	89.37	0.8937	0.4881
		11		0.225	0.250	89.79	0.8979	0.4677
IEEE 802.11n_40		3		0.129	0.155	82.82	0.8282	0.8186
		6		0.129	0.155	82.80	0.8280	0.8197
		9		0.129	0.154	83.34	0.8334	0.7915

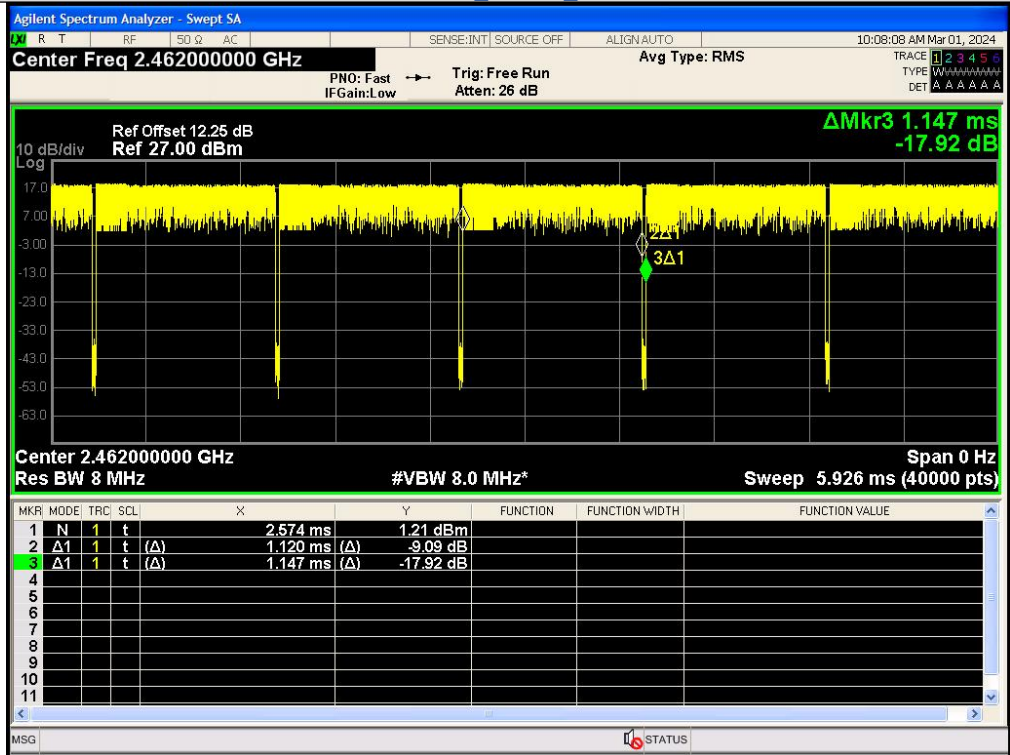
Test Graphs



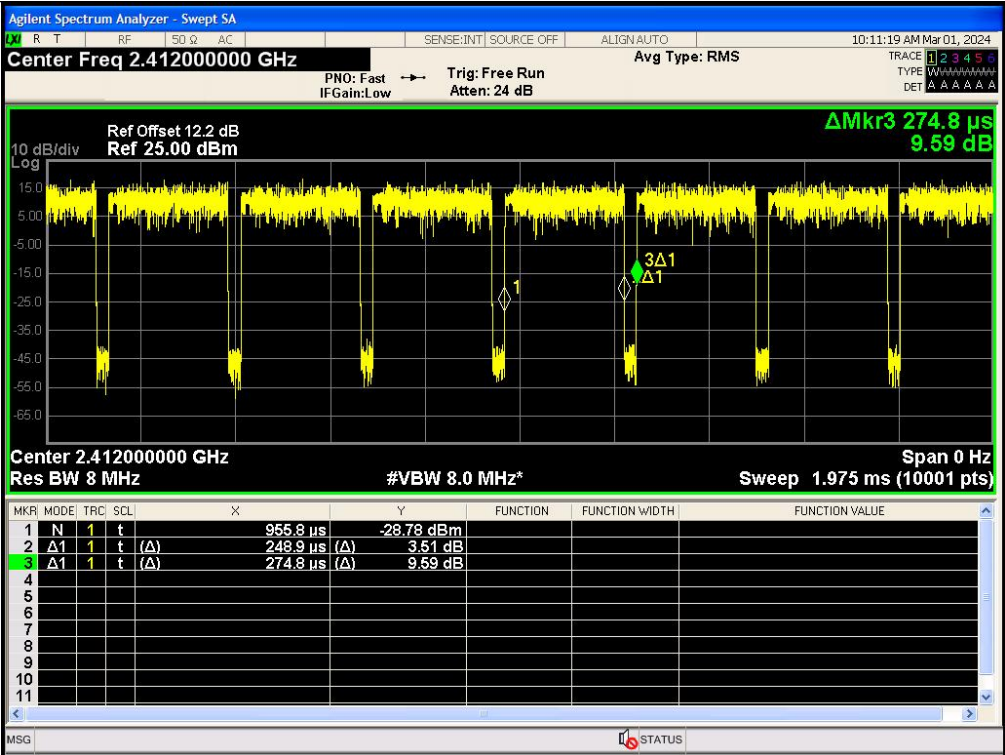
IEEE 802.11b_20MHz_Channel 1



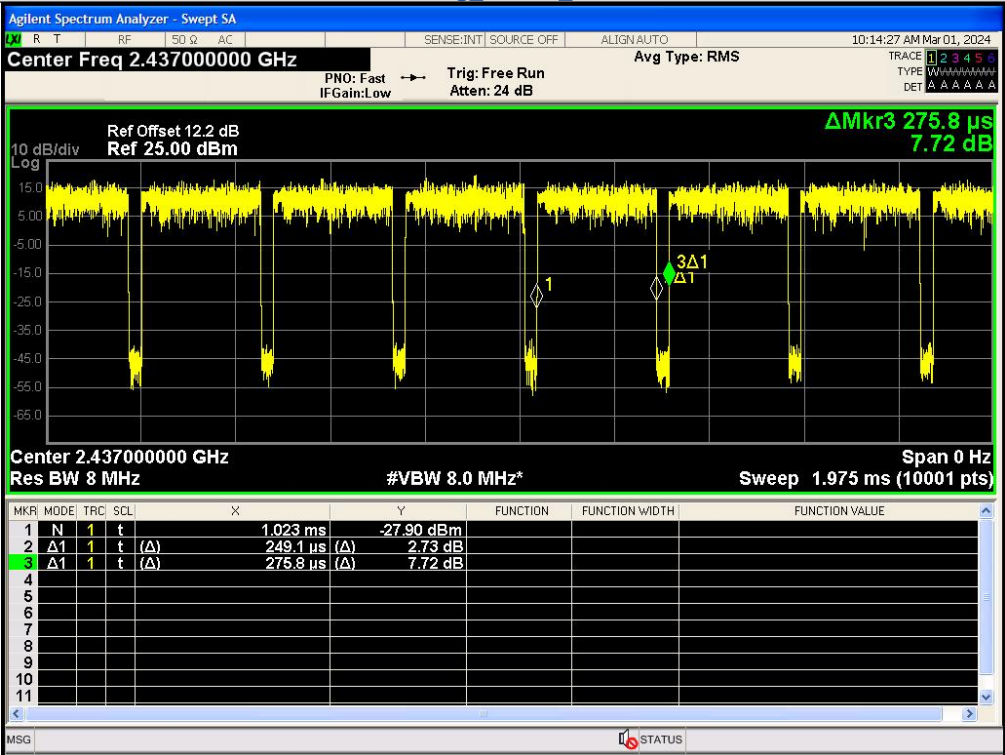
IEEE 802.11b_20MHz_Channel 6



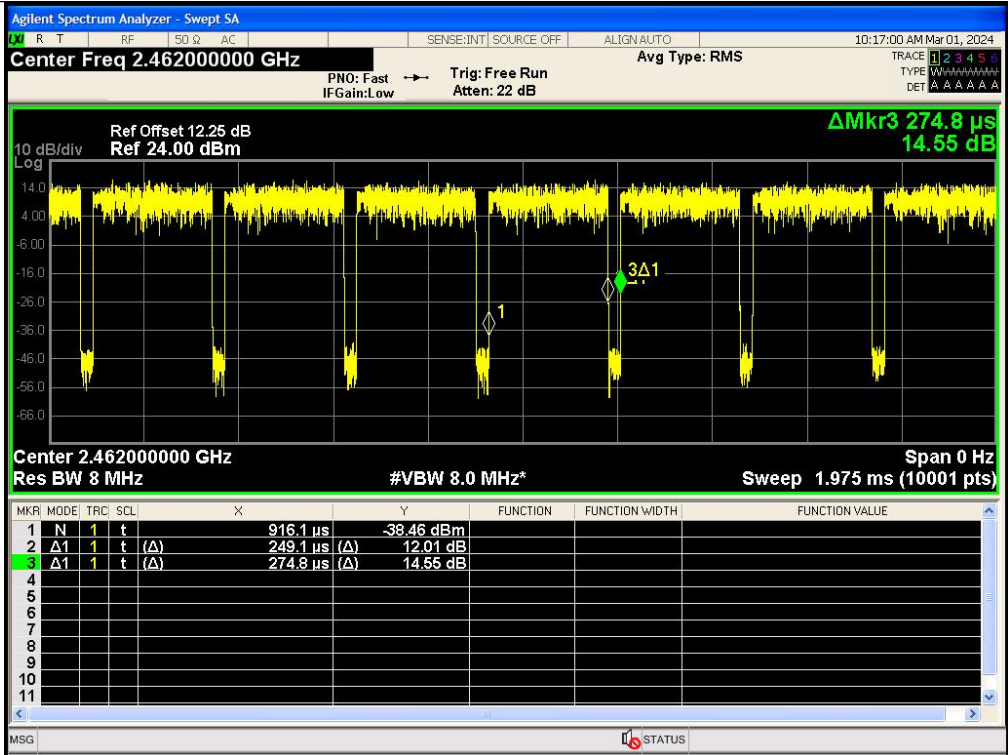
IEEE 802.11b_20MHz_Channel 11



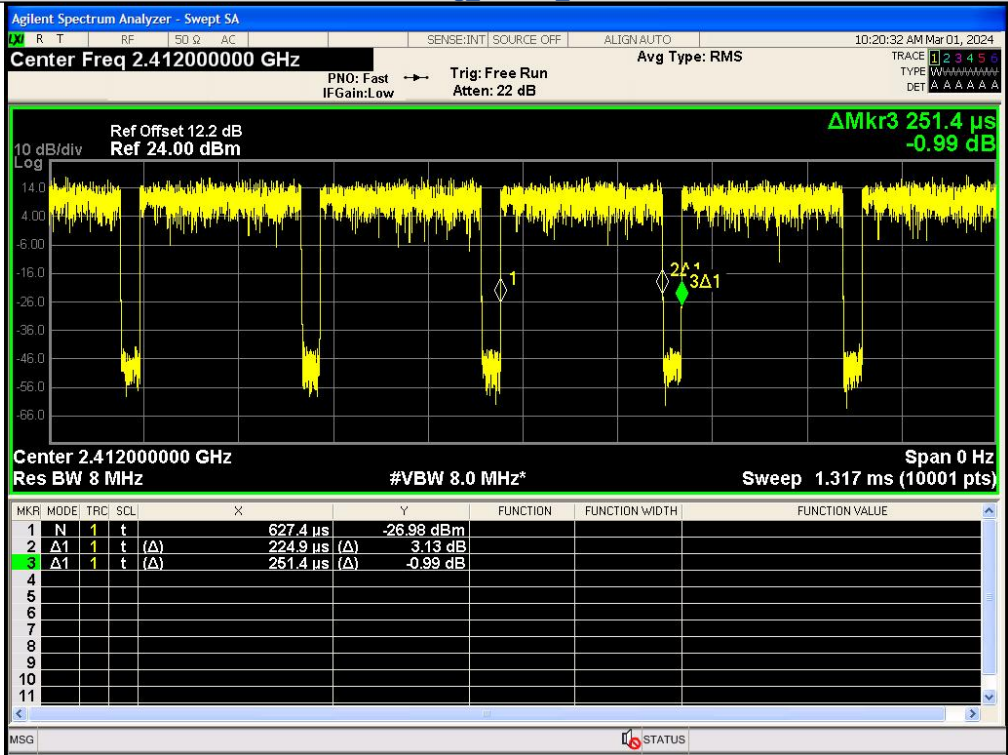
IEEE 802.11g_20MHz_Channel 1



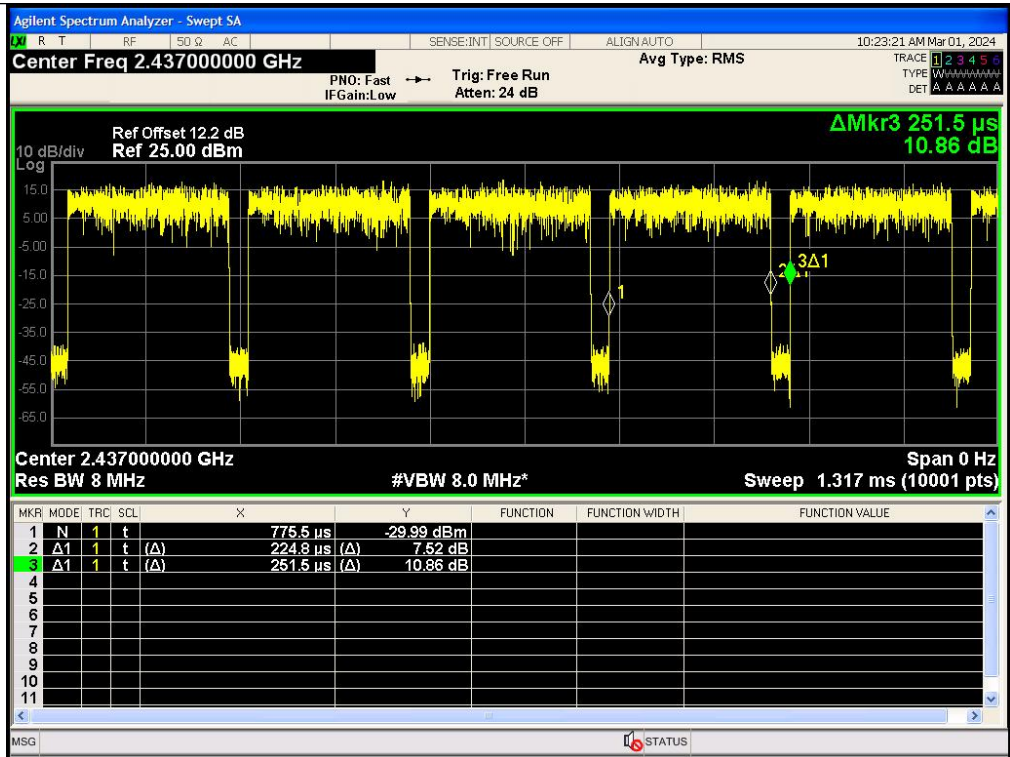
IEEE 802.11g_20MHz_Channel 6



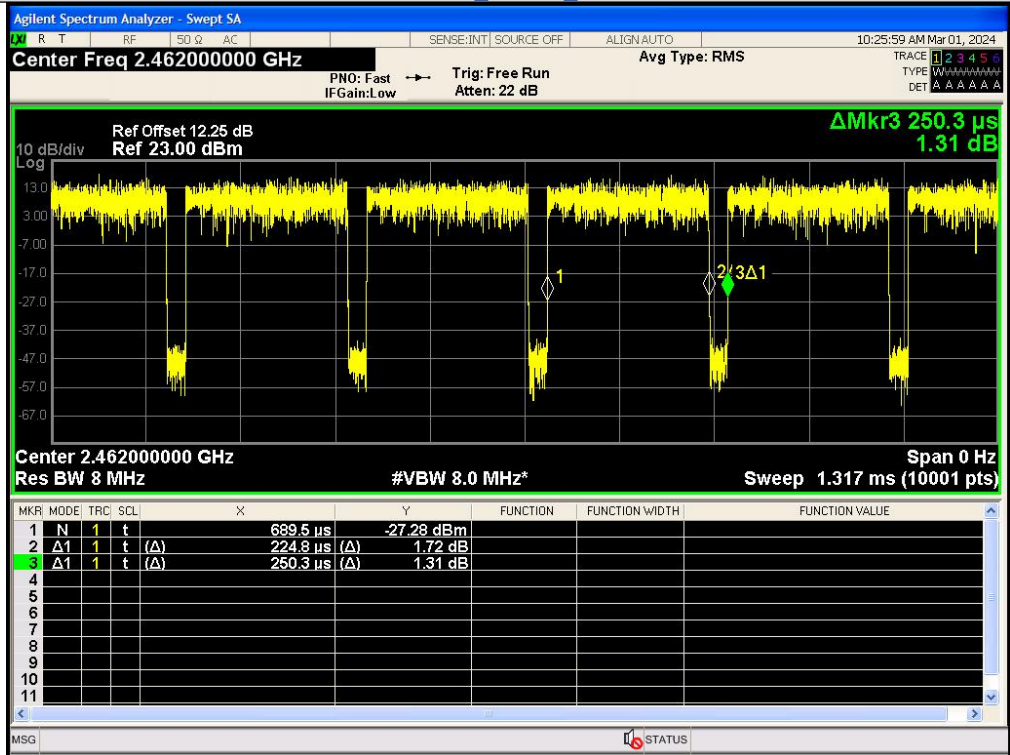
IEEE 802.11g_20MHz_Channel 11



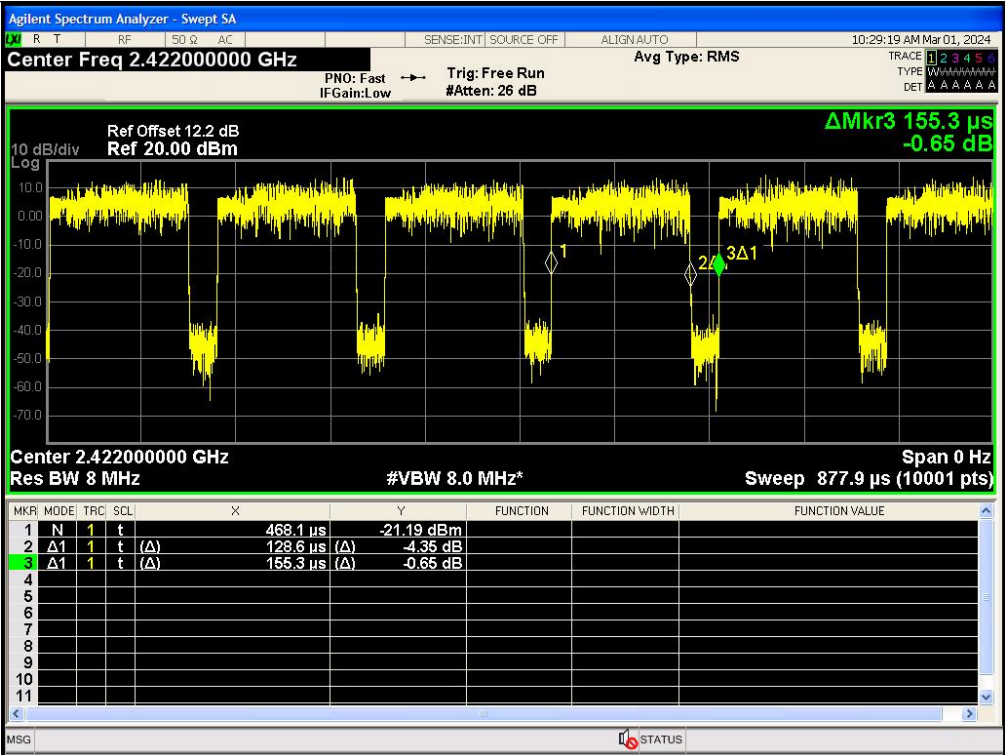
IEEE 802.11n_20MHz_Channel 1



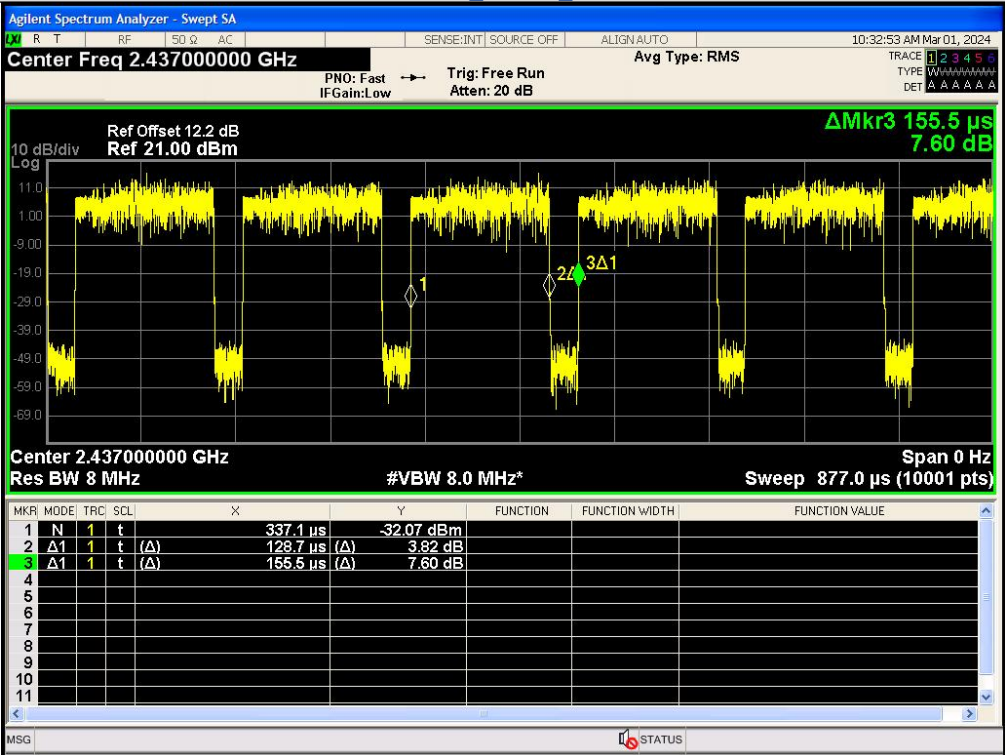
IEEE 802.11n_20MHz_Channel 6



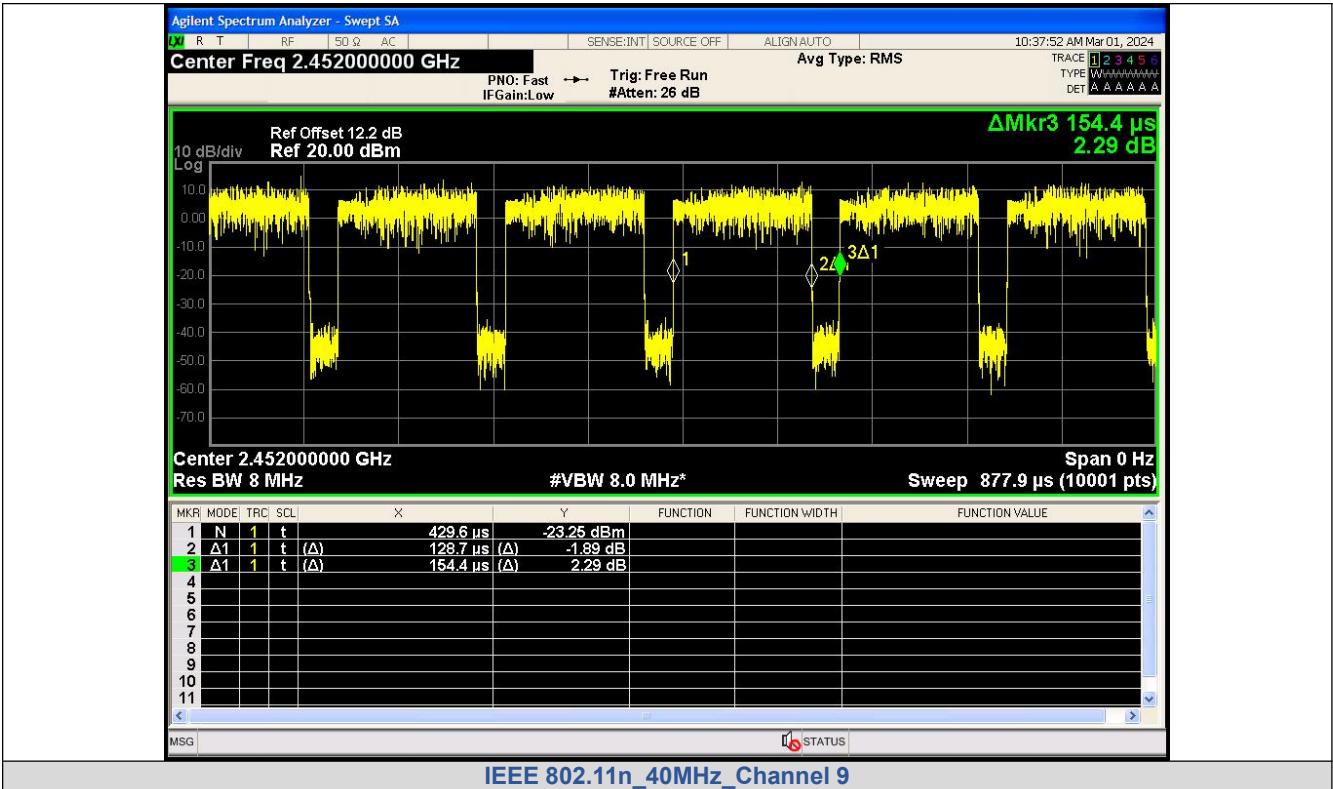
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



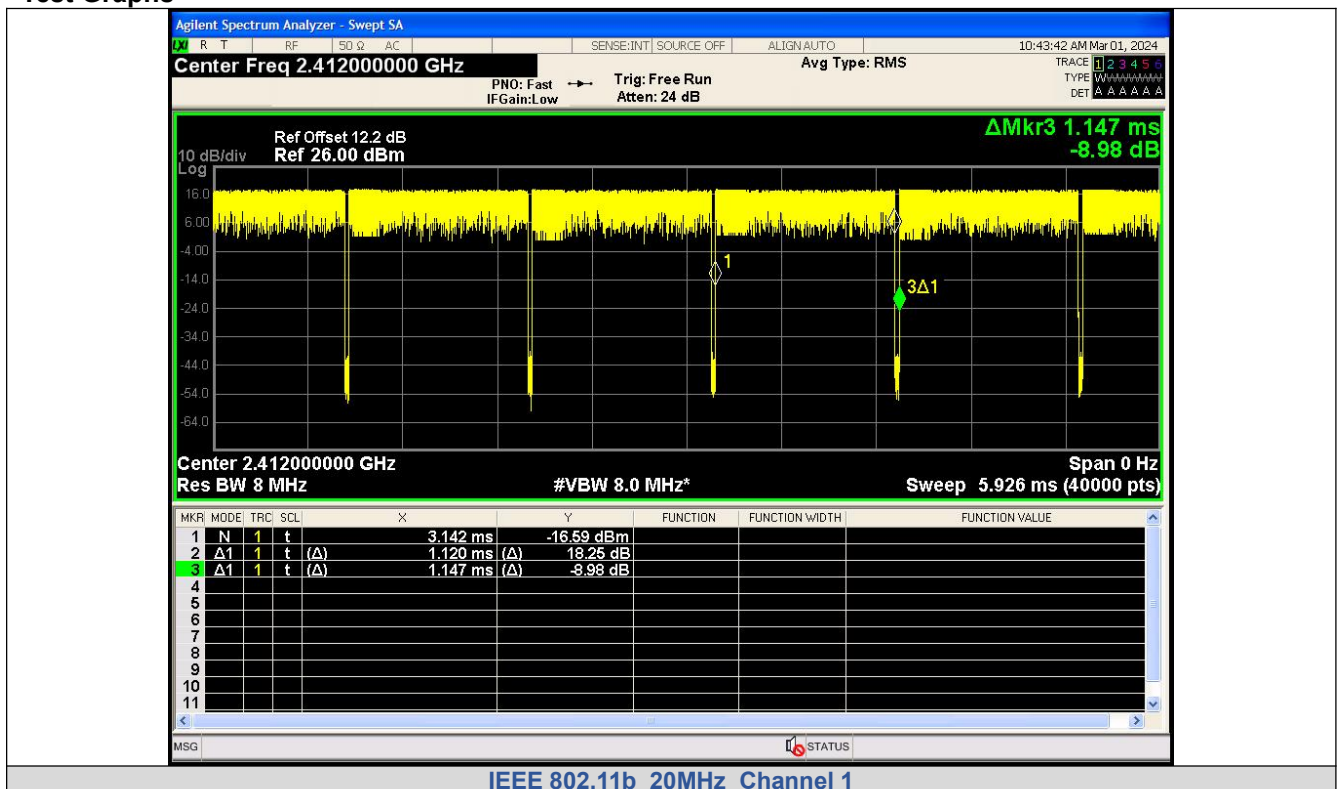
IEEE 802.11n_40MHz_Channel 6



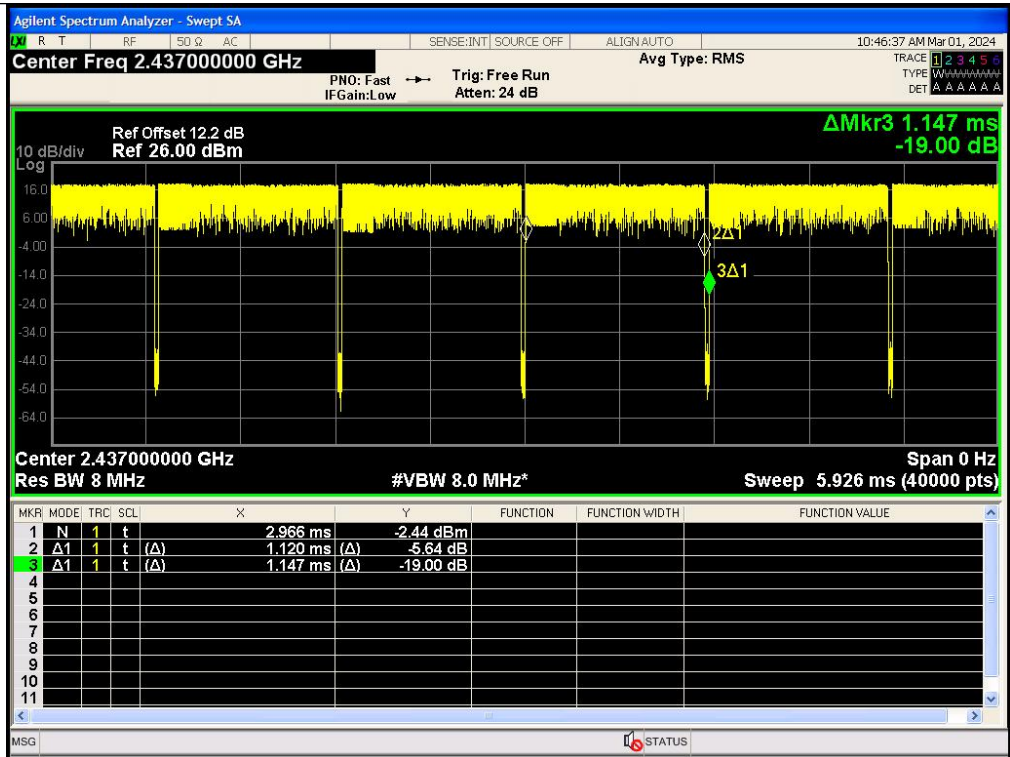
Antenna 2: Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11b	11	1	1	1.120	1.147	97.64	0.9764	0.1037
		6		1.120	1.147	97.64	0.9764	0.1037
		11		1.120	1.147	97.64	0.9764	0.1037
IEEE 802.11g	54	1		0.249	0.276	90.33	0.9033	0.4417
		6		0.249	0.275	90.52	0.9052	0.4326
		11		0.249	0.276	90.33	0.9033	0.4417
IEEE 802.11n_20	MCS 7	1		0.225	0.251	89.37	0.8937	0.4881
		6		0.225	0.251	89.61	0.8961	0.4764
		11		0.225	0.251	89.42	0.8942	0.4857
IEEE 802.11n_40		3		0.129	0.155	82.88	0.8288	0.8155
		6		0.000	0.000	133.33	1.3333	-1.2493
		9		0.129	0.155	82.82	0.8282	0.8186

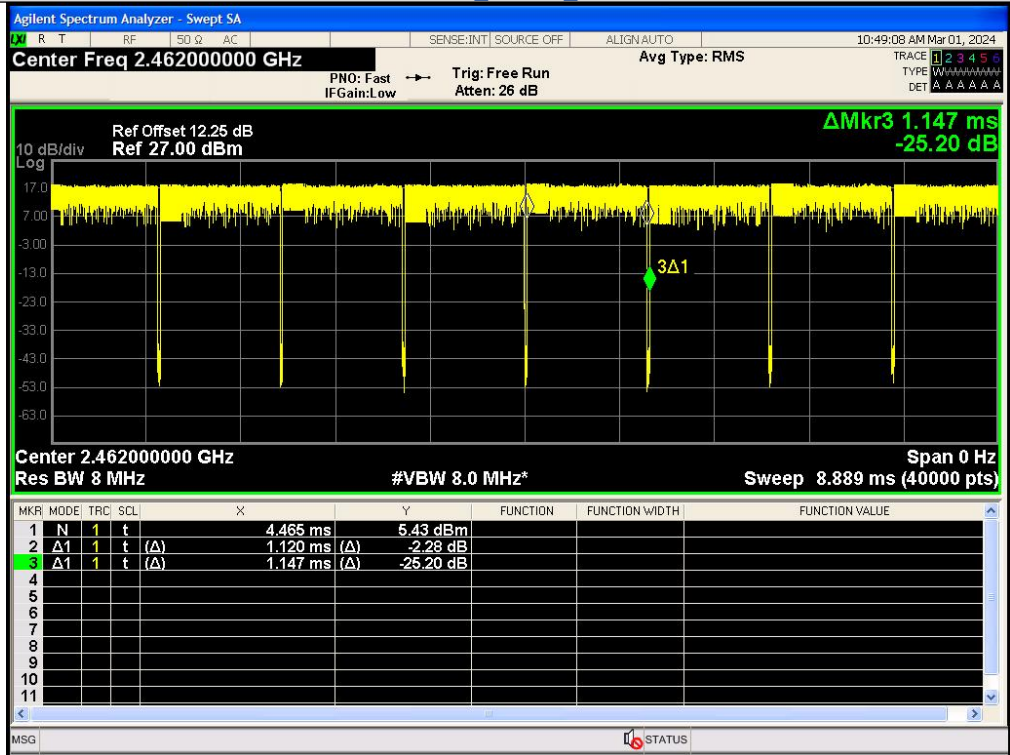
Test Graphs



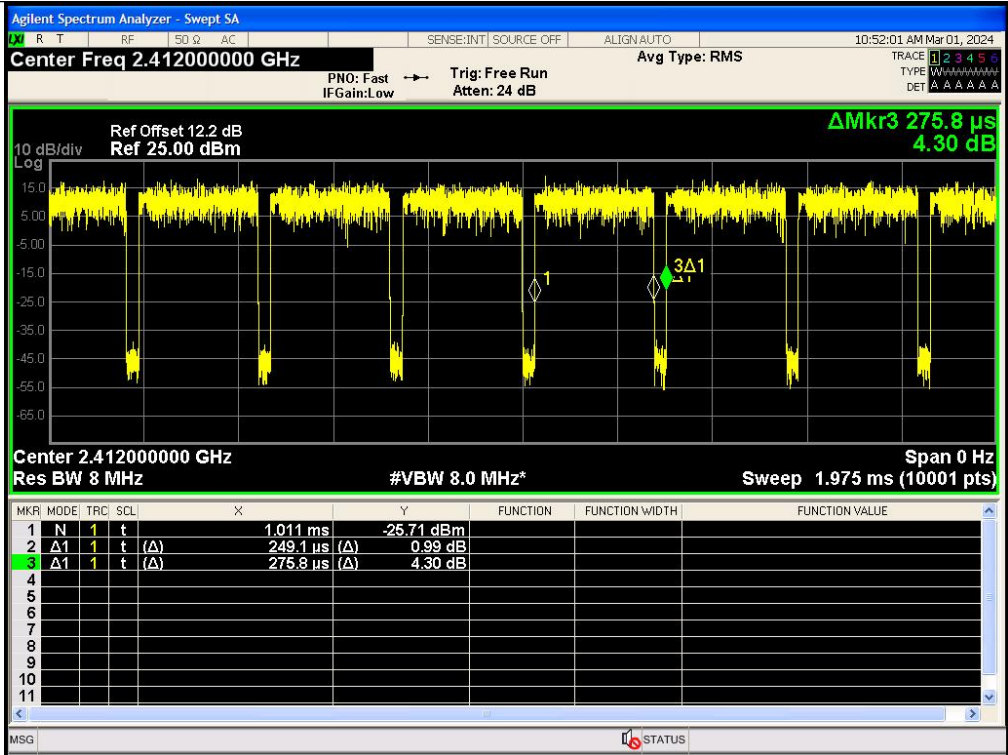
IEEE 802.11b_20MHz_Channel 1



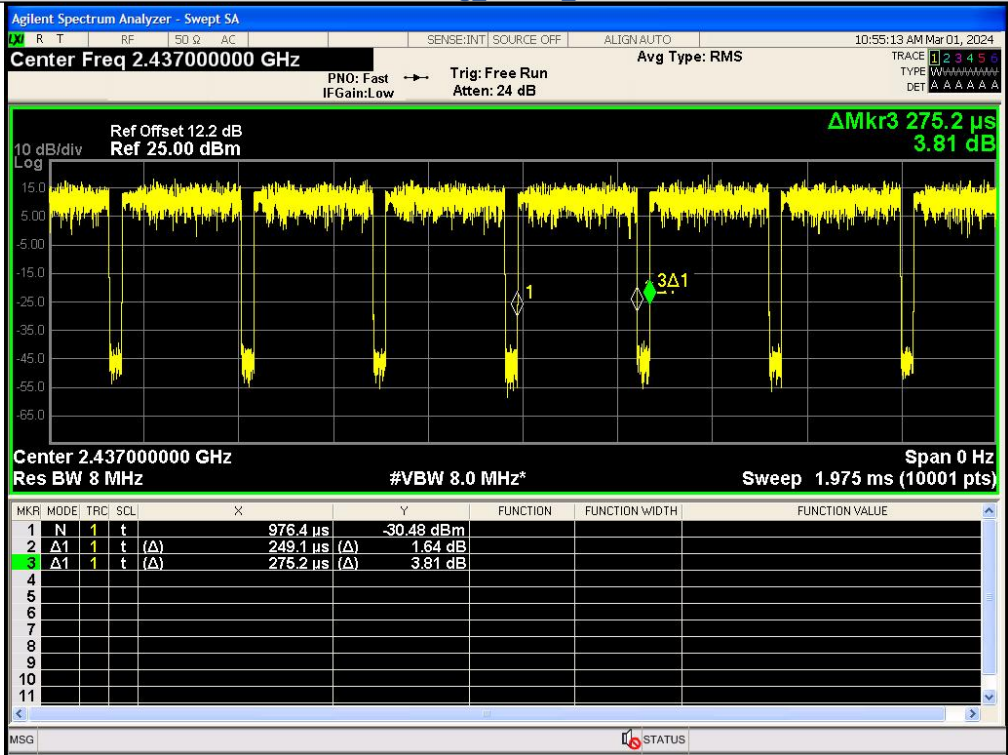
IEEE 802.11b_20MHz_Channel 6



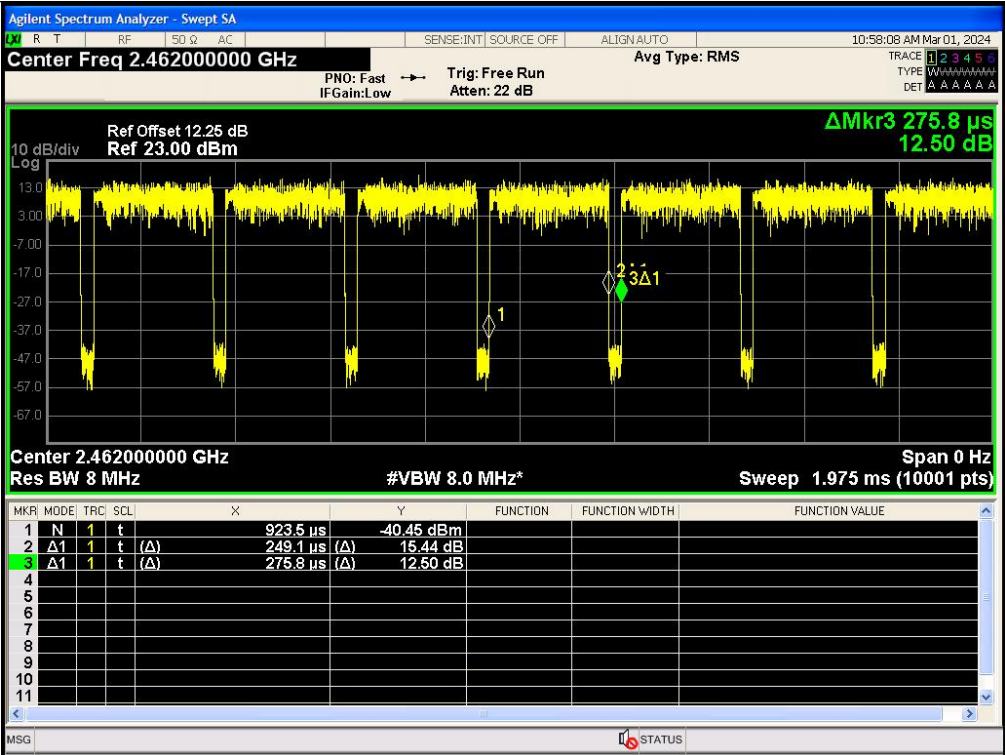
IEEE 802.11b_20MHz_Channel 11



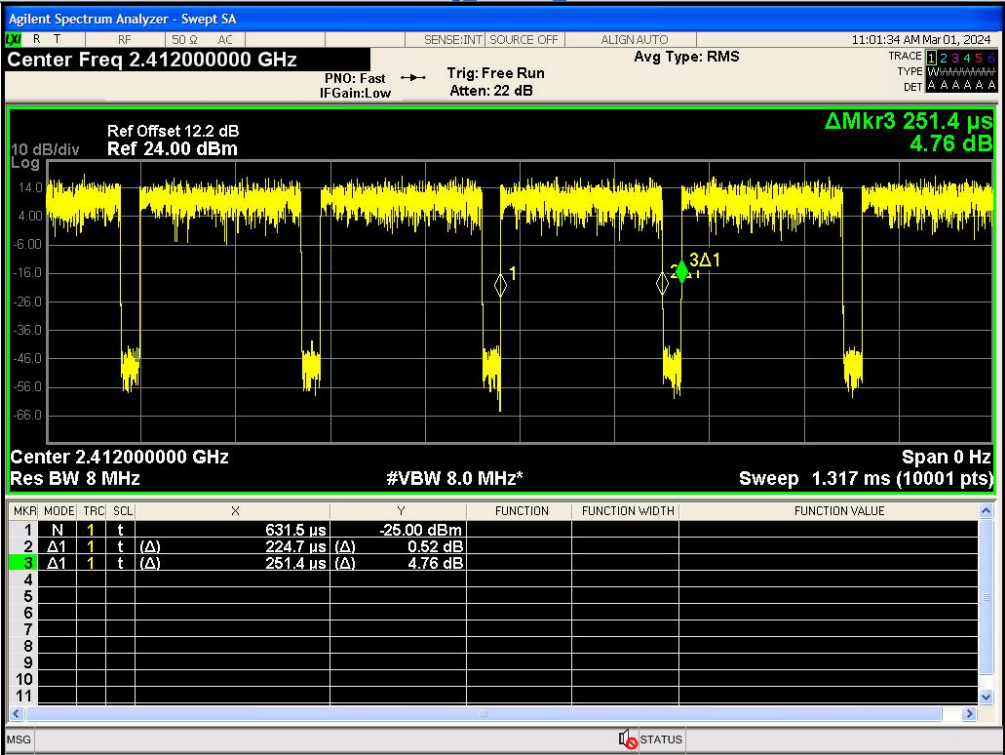
IEEE 802.11g_20MHz_Channel 1



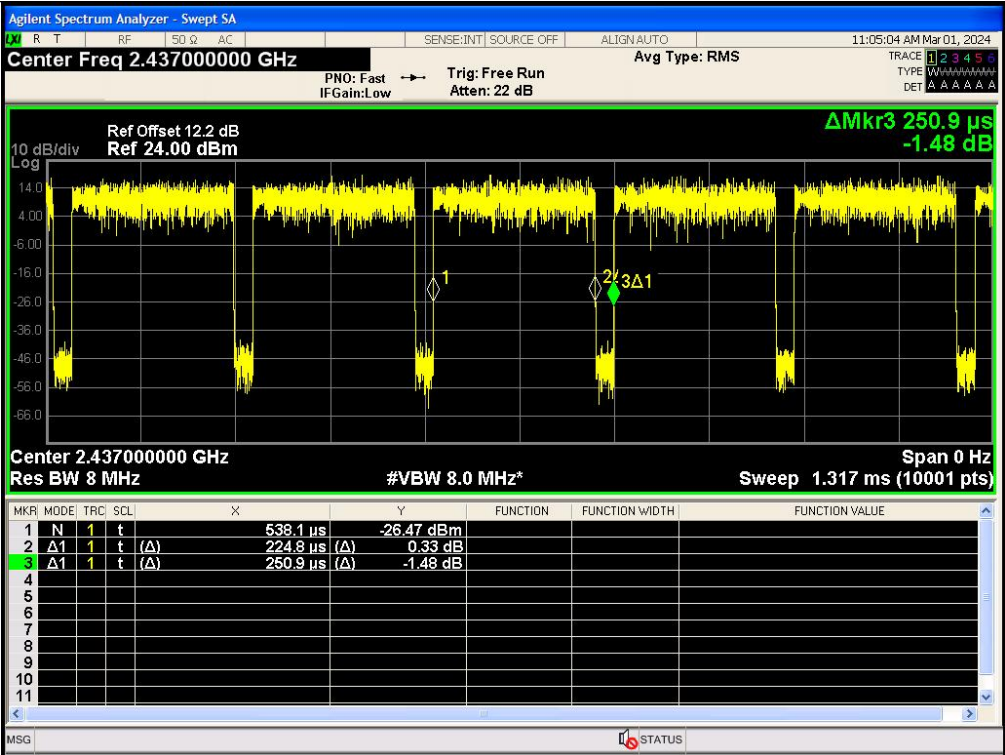
IEEE 802.11g_20MHz_Channel 6



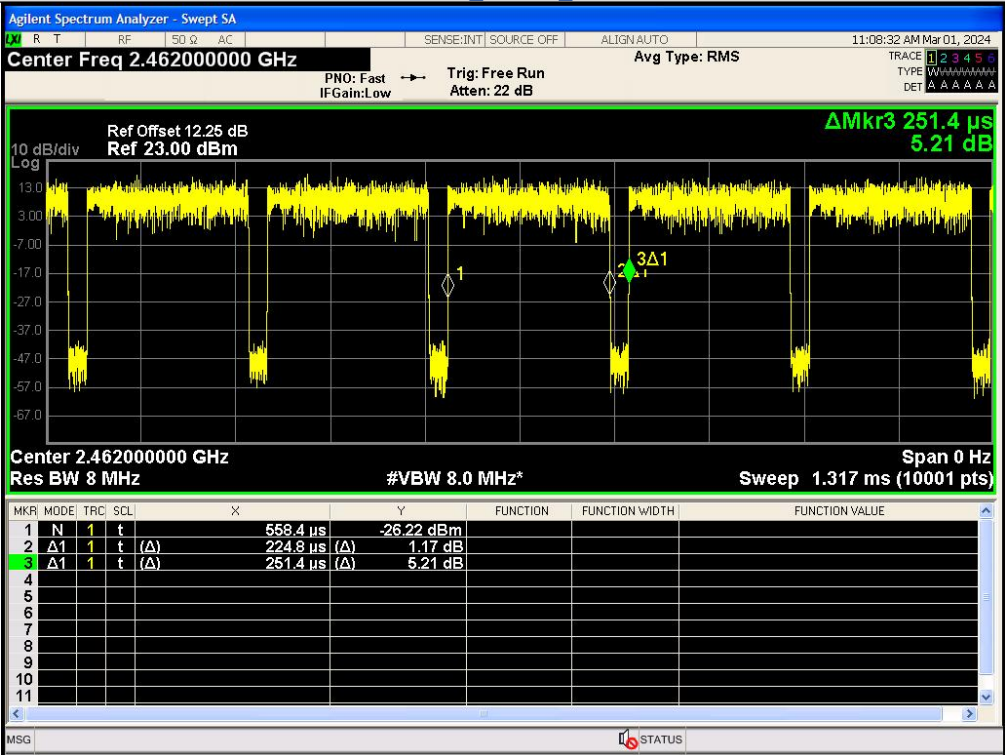
IEEE 802.11g_20MHz_Channel 11



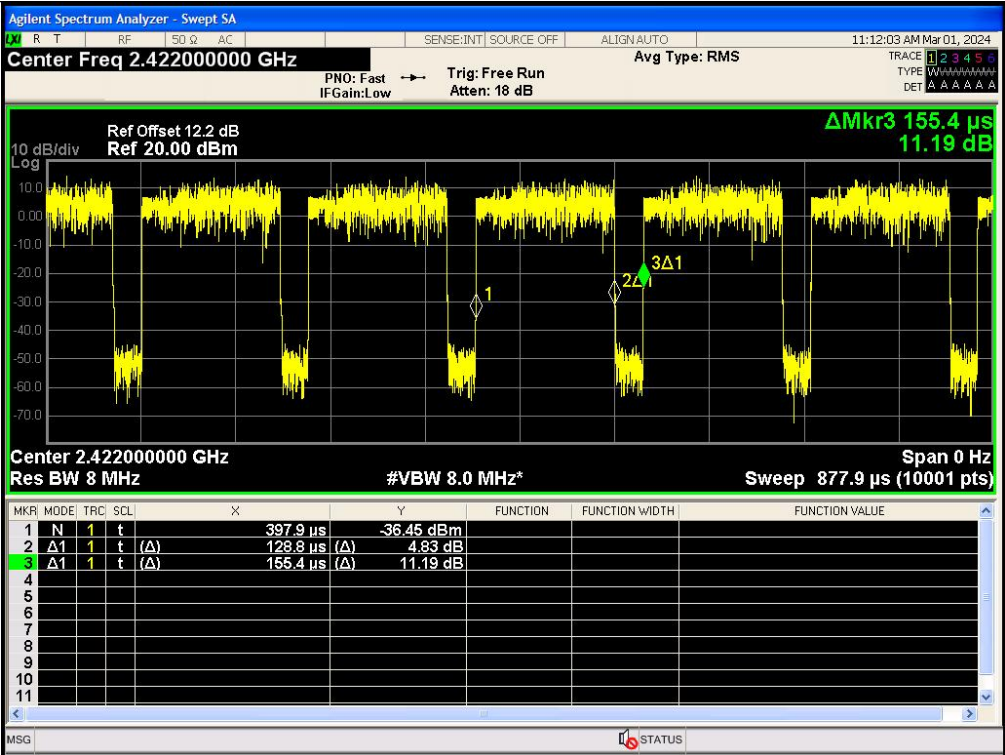
IEEE 802.11n_20MHz_Channel 1



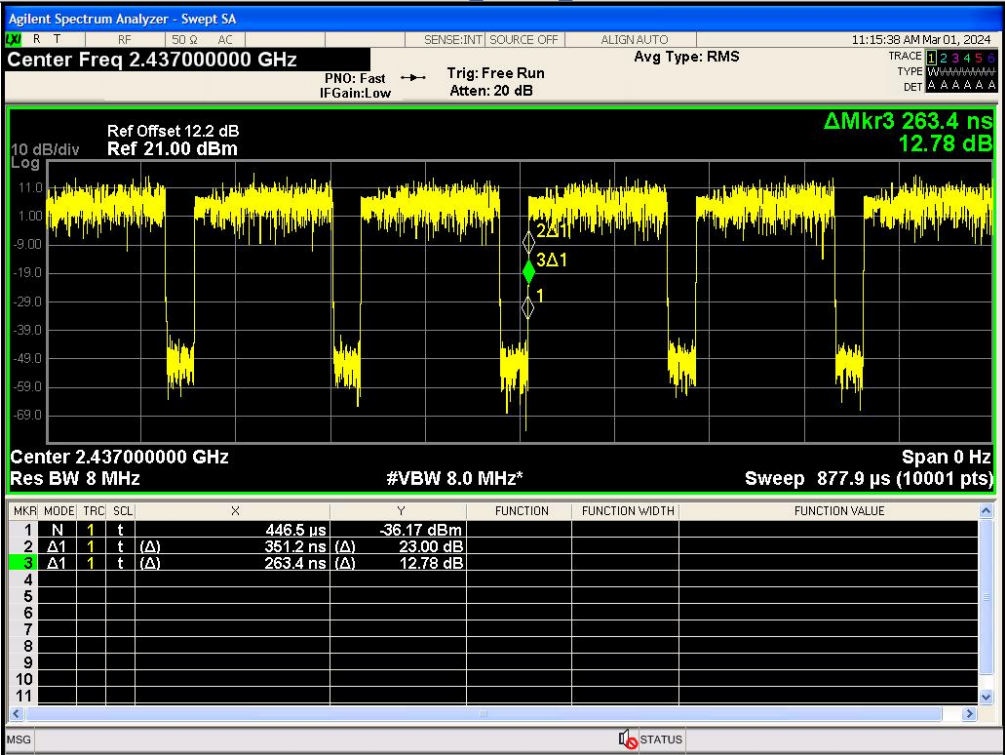
IEEE 802.11n_20MHz_Channel 6



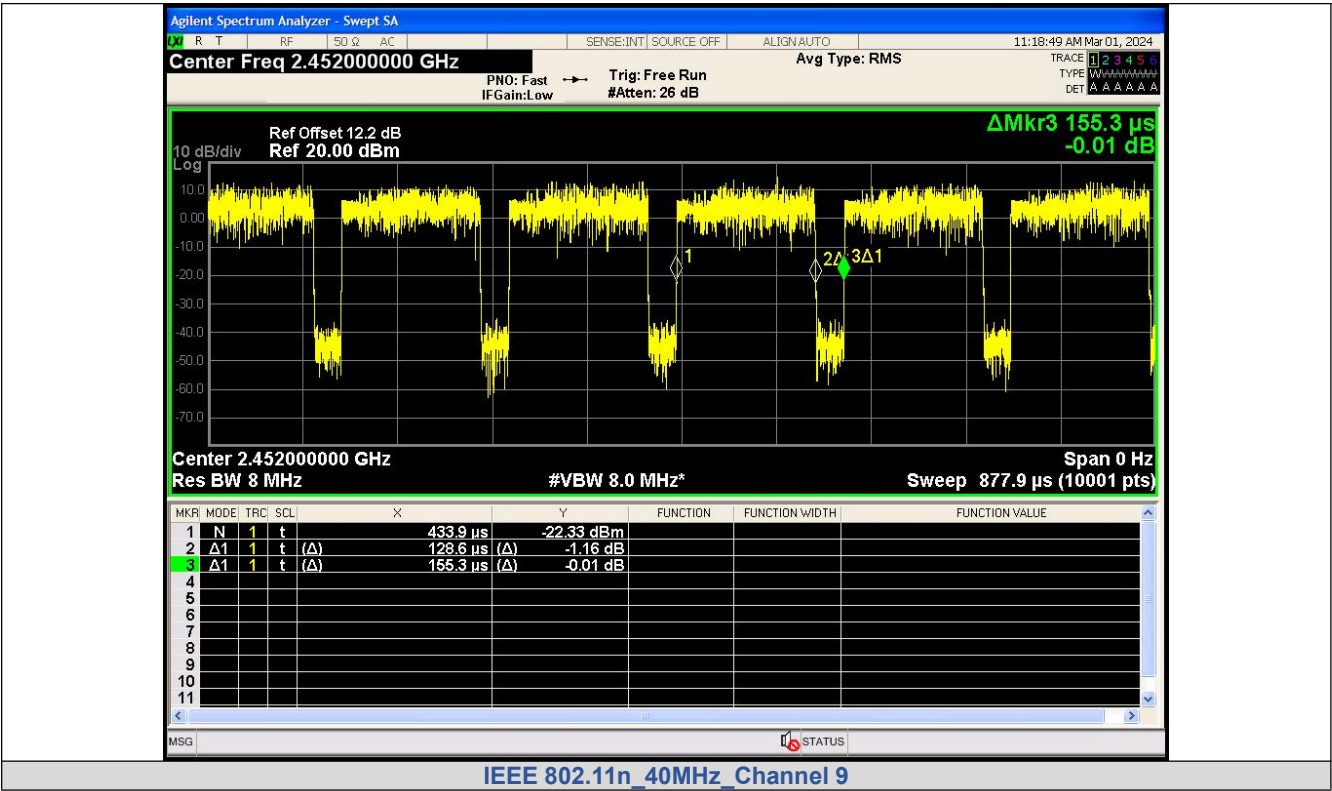
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



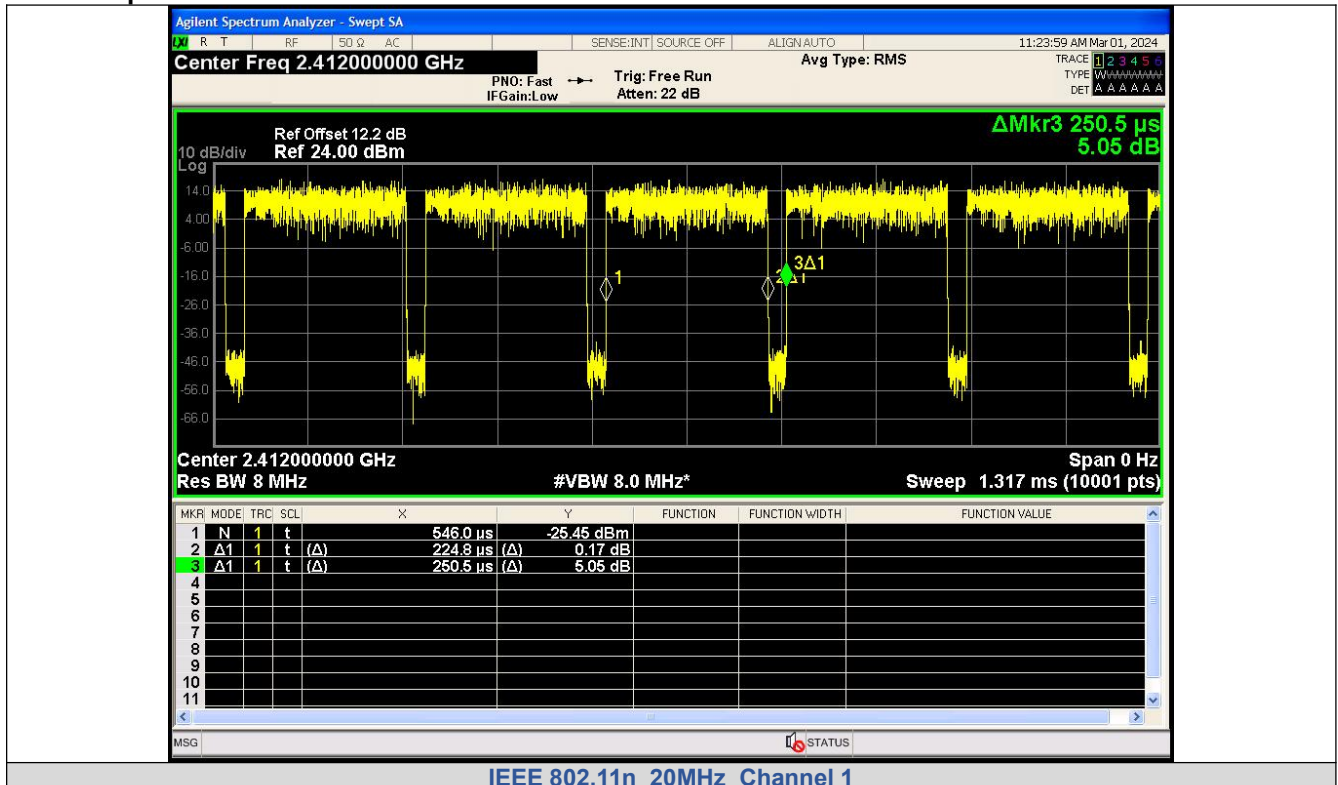
IEEE 802.11n_40MHz_Channel 6

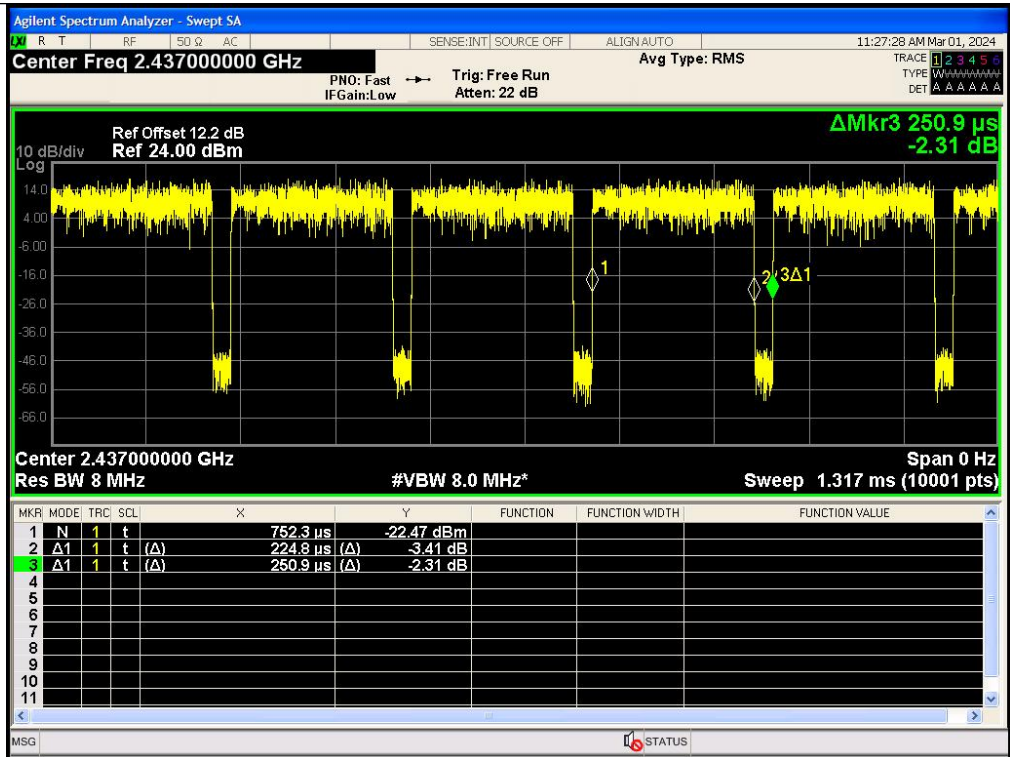


Antenna 1+Antenna 2: Test Result

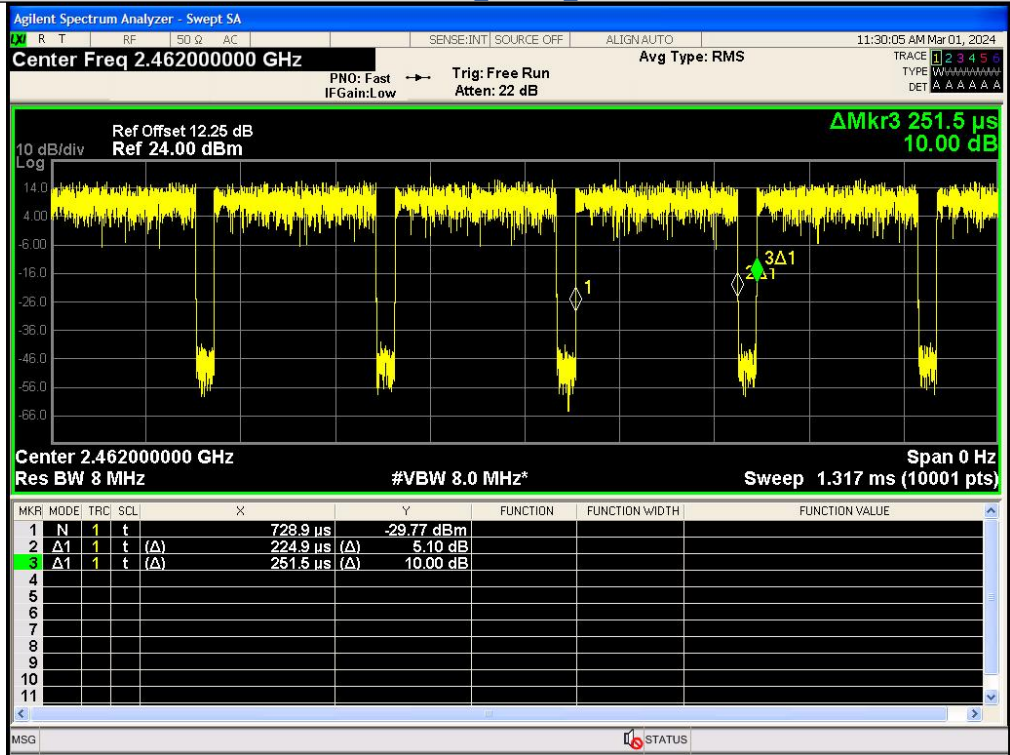
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11n_20	MCS 7	1	0	0.225	0.250	89.75	0.8975	0.4697
		6		0.225	0.251	89.61	0.8961	0.4764
		11		0.225	0.252	89.42	0.8942	0.4857
IEEE 802.11n_40		3		0.129	0.155	82.82	0.8282	0.8186
		6		0.129	0.155	82.88	0.8288	0.8155
		9		0.129	0.155	82.82	0.8282	0.8186

Test Graphs

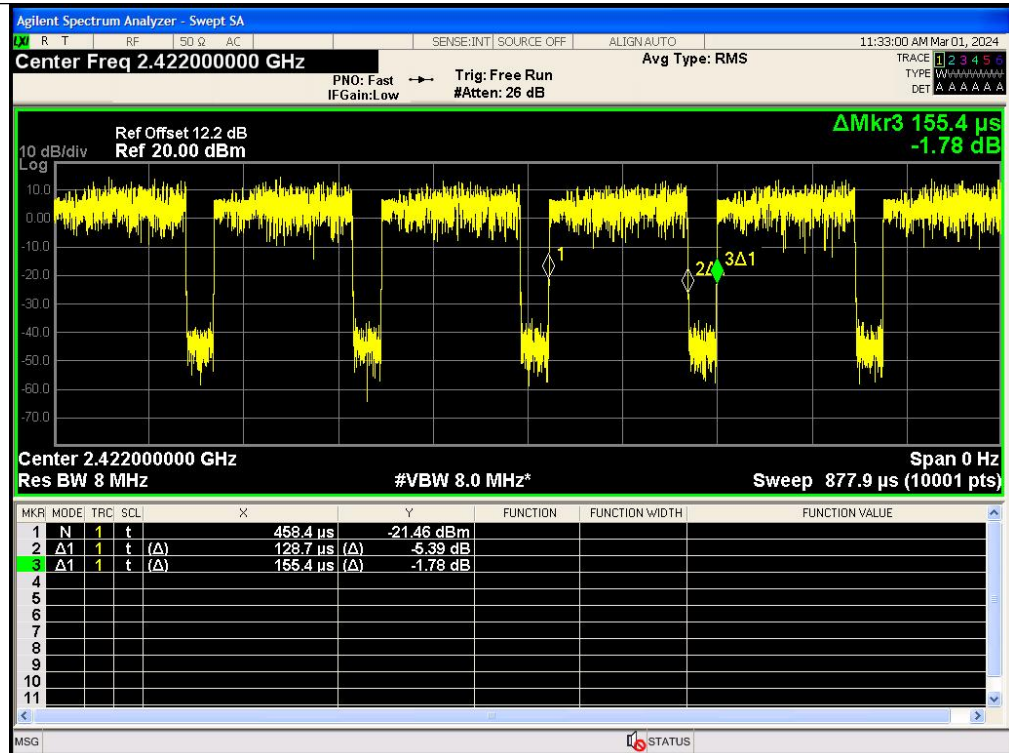




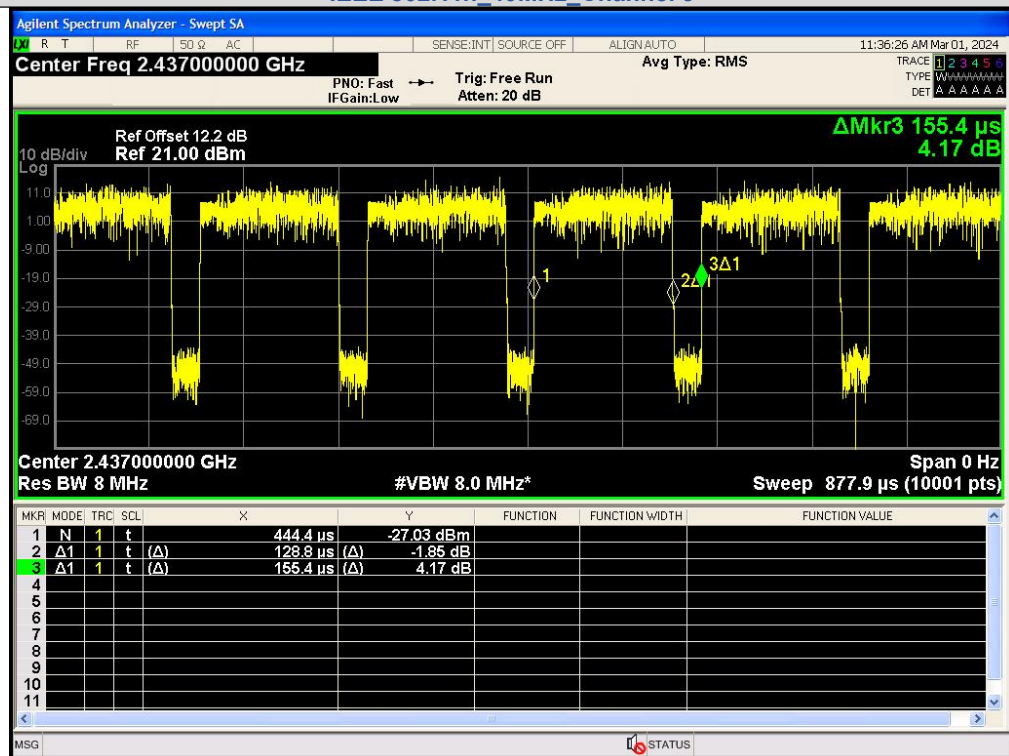
IEEE 802.11n_20MHz_Channel 6



IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6

