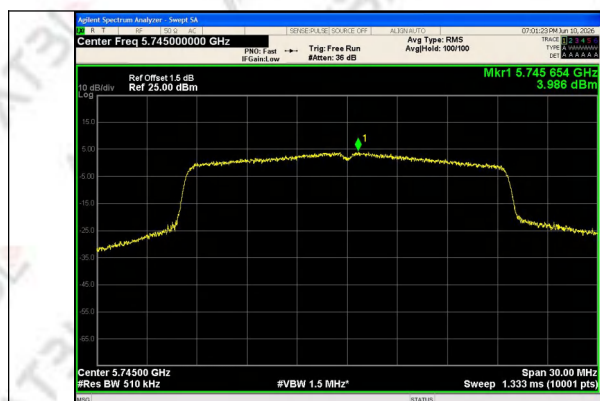
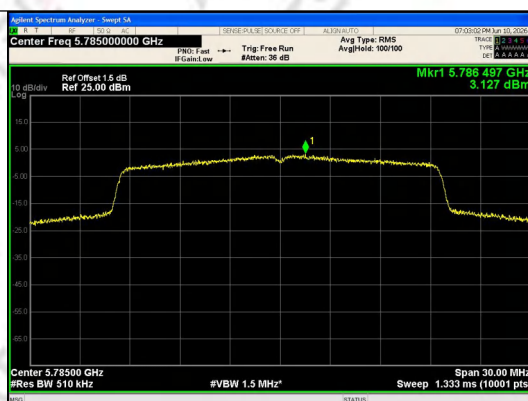




IEEE 802.11ax_Channel 149_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 157_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 165_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 159_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 155_80MHz_Antenna
0_RU&Index SU

A5.Duty Cycle

Test Result

Antenna 0:

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	36	N/A	1	1.235	1.261	97.91	0.9791	0.0917
		40			1.236	1.261	97.97	0.9797	0.0891
		48			1.235	1.261	97.91	0.9791	0.0917
		52			1.235	1.261	97.91	0.9791	0.0917
		60			1.236	1.261	97.97	0.9797	0.0891
		64			1.236	1.262	97.91	0.9791	0.0917
		100			1.235	1.261	97.91	0.9791	0.0917
		116			1.235	1.261	97.91	0.9791	0.0917
		140			1.236	1.262	97.91	0.9791	0.0917
IEEE 802.11n_20		36	N/A	1	4.150	5.059	82.03	0.8203	0.8603
		40			3.122	3.898	80.09	0.8009	0.9642
		48			3.738	4.542	82.31	0.8231	0.8455
		52			3.740	4.624	80.88	0.8088	0.9216
		60			3.740	4.613	81.08	0.8108	0.9109
		64			4.765	5.719	83.31	0.8331	0.793
		100			4.770	5.722	83.36	0.8336	0.7904
		116			4.765	5.746	82.92	0.8292	0.8134
		140			4.767	5.719	83.35	0.8335	0.7909
IEEE 802.11n_40		38	N/A	1	3.450	4.398	78.45	0.7845	1.0541
		46			3.452	4.406	78.34	0.7834	1.0602
		54			3.452	4.353	79.29	0.7929	1.0078
		62			3.454	4.409	78.35	0.7835	1.0596
		102			3.454	4.409	78.35	0.7835	1.0596
		110			3.454	4.409	78.35	0.7835	1.0596
		134			3.454	4.409	78.35	0.7835	1.0596
IEEE 802.11ac_20	MCS 0	36	N/A	1	4.777	5.729	83.38	0.8338	0.7894
		40			4.774	5.728	83.34	0.8334	0.7915
		48			4.777	5.729	83.38	0.8338	0.7894
		52			4.774	5.728	83.34	0.8334	0.7915
		60			4.774	5.728	83.34	0.8334	0.7915
		64			4.774	5.719	83.47	0.8347	0.7847
		100			4.774	5.728	83.34	0.8334	0.7915
		116			4.774	5.726	83.37	0.8337	0.7899
		140			4.774	5.728	83.34	0.8334	0.7915
IEEE 802.11ac_40		38	N/A	1	3.461	4.415	78.39	0.7839	1.0574
		46			3.461	4.415	78.39	0.7839	1.0574
		54			3.458	4.379	78.96	0.7896	1.0259
		62			3.461	4.415	78.39	0.7839	1.0574
		102			3.461	4.361	79.37	0.7937	1.0034
		110			3.459	4.414	78.36	0.7836	1.0591
		134			3.461	4.406	78.55	0.7855	1.0485
IEEE 802.11ac_80		42	N/A	1	3.194	4.151	76.95	0.7695	1.1379
		58			3.198	4.153	77.02	0.7702	1.134
		106			3.196	4.141	77.18	0.7718	1.125

IEEE 802.11ax_20		122	SU		3.196	4.132	77.34	0.7735	1.1154
		36			3.629	4.855	74.74	0.7474	1.2645
		40			3.629	4.844	74.92	0.7492	1.254
		48			3.631	4.855	74.79	0.7479	1.2616
		52			3.629	4.855	74.74	0.7474	1.2645
		60			3.629	4.819	75.31	0.7531	1.2315
		64			3.629	4.853	74.78	0.7478	1.2621
		100			3.629	4.846	74.88	0.7488	1.2563
		116			3.631	4.855	74.79	0.7479	1.2616
		140			3.631	4.855	74.79	0.7479	1.2616
IEEE 802.11ax_40		38	SU		2.737	3.964	69.05	0.6905	1.6084
		46			2.737	3.964	69.05	0.6905	1.6084
		54			2.740	3.955	69.28	0.6928	1.5939
		62			2.739	3.965	69.06	0.6906	1.6077
		102			2.740	3.964	69.13	0.6913	1.6033
		110			2.740	3.964	69.13	0.6913	1.6033
		134			2.737	3.991	68.57	0.6857	1.6387
IEEE 802.11ax_80		42	SU		2.619	3.809	68.76	0.6876	1.6266
		58			2.623	3.847	68.18	0.6818	1.6634
		106			2.619	3.574	73.27	0.7327	1.3507
		122			2.619	3.567	73.43	0.7343	1.3413

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	N/A	1	1.235	1.261	97.91	0.9791	0.0917
		157			1.235	1.261	97.91	0.9791	0.0917
		165			1.235	1.261	97.91	0.9791	0.0917
IEEE 802.11n_20	149	3.122			3.835	81.41	0.8141	0.8932	
	157	3.122			3.899	80.06	0.8006	0.9658	
	165	3.122			3.898	80.09	0.8009	0.9642	
IEEE 802.11n_40	151	3.010			3.786	79.51	0.7951	0.9958	
	159	3.010			3.751	80.25	0.8025	0.9555	
IEEE 802.11ac_20	MCS 0	149			3.130	3.843	81.44	0.8144	0.8916
		157			3.135	3.899	80.41	0.8041	0.9469
		165			3.133	3.905	80.21	0.8021	0.9577
IEEE 802.11ac_40		151			3.017	3.783	79.75	0.7975	0.9827
		159			3.017	3.792	79.56	0.7956	0.9931
IEEE 802.11ac_80		155			1.416	2.194	64.54	0.6454	1.9017
IEEE 802.11ax_20		149			2.390	3.166	75.50	0.7550	1.2205
		157			2.389	3.156	75.70	0.7570	1.209
		165			2.390	3.166	75.50	0.7550	1.2205
IEEE 802.11ax_40		151			2.390	3.159	75.68	0.7568	1.2102
		159			2.390	3.168	75.46	0.7546	1.2228
IEEE 802.11ax_80	155	1.172			1.949	60.13	0.6013	2.2091	

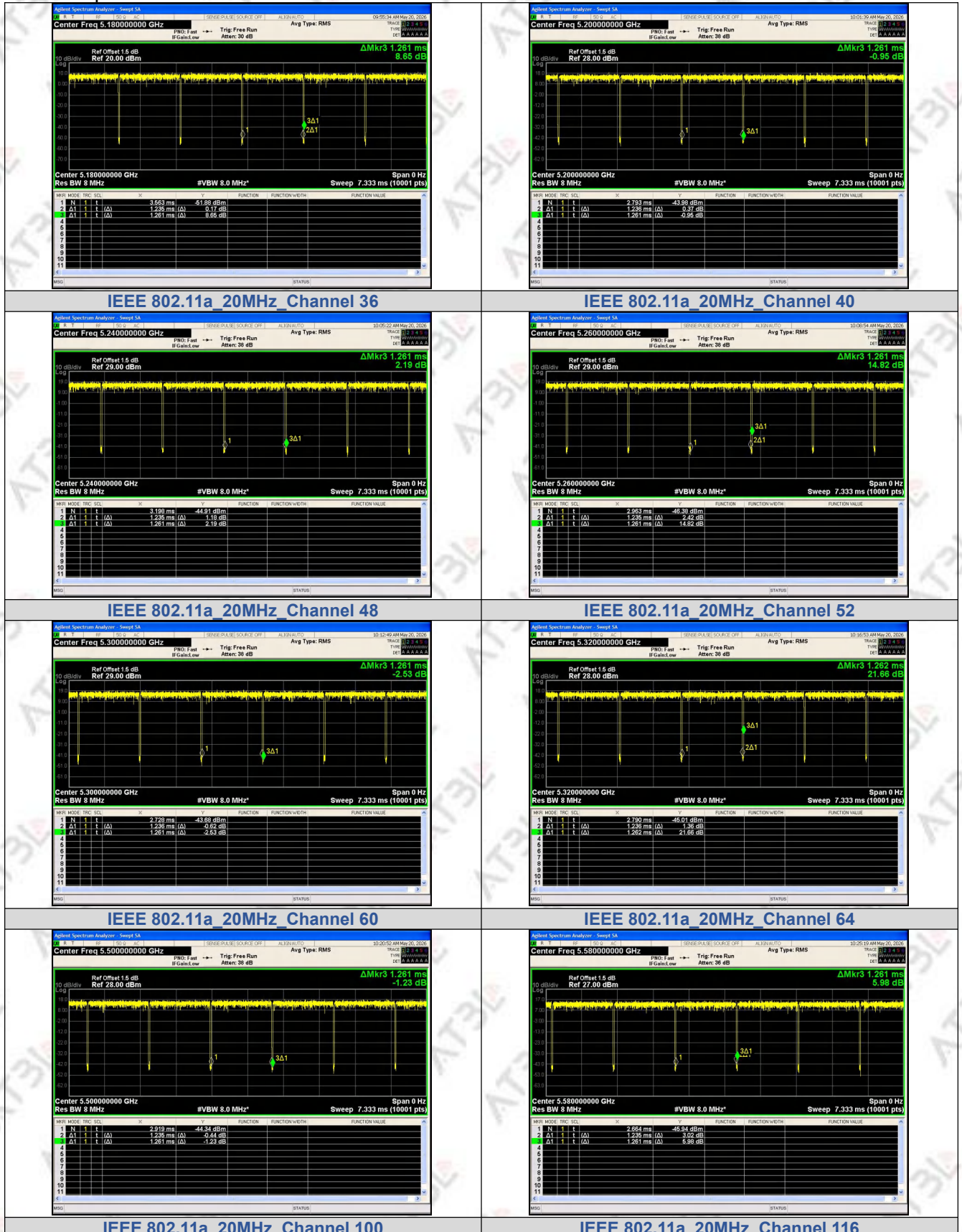
Antenna 1:

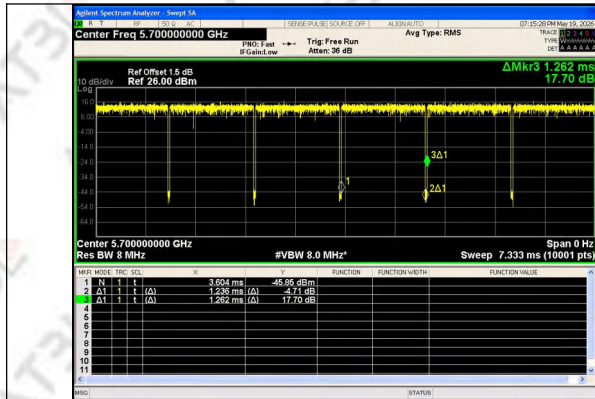
Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	36	N/A	1	1.235	1.261	97.91	0.9791	0.0917
		40			1.235	1.261	97.91	0.9791	0.0917
		48			1.235	1.261	97.91	0.9791	0.0917
		52			1.235	1.261	97.91	0.9791	0.0917
		60			1.235	1.261	97.91	0.9791	0.0917
		64			1.235	1.261	97.91	0.9791	0.0917
		100			1.235	1.261	97.91	0.9791	0.0917
		116			1.235	1.261	97.91	0.9791	0.0917
		140			1.235	1.261	97.91	0.9791	0.0917
IEEE 802.11n_20		36			6.193	6.913	89.57	0.8957	0.4784
		40			6.198	6.960	89.06	0.8906	0.5032
		48			6.198	6.960	89.06	0.8906	0.5032
		52			6.198	6.933	89.41	0.8941	0.4861
		60			6.198	6.960	89.06	0.8906	0.5032
		64			6.195	7.491	82.69	0.8269	0.8255
		100			6.198	6.933	89.41	0.8941	0.4861
		116			6.198	6.933	89.41	0.8941	0.4861
		140			6.198	6.960	89.06	0.8906	0.5032
IEEE 802.11n_40		38			2.999	3.775	79.45	0.7945	0.9991
		46			3.001	3.776	79.47	0.7947	0.998
		54			2.998	3.766	79.60	0.7960	0.9909
		62			2.999	3.712	80.79	0.8079	0.9264
		102			2.999	3.757	79.84	0.7984	0.9778
		110			3.001	3.756	79.90	0.7990	0.9745
		134			2.999	3.766	79.64	0.7964	0.9887
IEEE 802.11ac_20	MCS 0	36			3.130	3.852	81.25	0.8125	0.9018
		40			3.130	3.870	80.86	0.8086	0.9227
		48			3.131	3.898	80.33	0.8033	0.9512
		52			3.131	3.898	80.33	0.8033	0.9512
		60			3.130	3.898	80.29	0.8029	0.9534
		64			3.131	3.853	81.26	0.8126	0.9012
		100			3.133	3.896	80.40	0.8040	0.9474
		116			3.130	3.896	80.32	0.8032	0.9518
		140			3.131	3.889	80.52	0.8052	0.941
IEEE 802.11ac_40		38			3.017	3.783	79.75	0.7975	0.9827
		46			3.015	3.781	79.72	0.7972	0.9843
		54			3.015	3.783	79.69	0.7969	0.986
		62			3.015	3.781	79.72	0.7972	0.9843
		102			3.015	3.781	79.72	0.7972	0.9843
		110			3.015	3.783	79.69	0.7969	0.986
		134			3.015	3.783	79.69	0.7969	0.986
IEEE 802.11ac_80		42			1.416	2.194	64.54	0.6454	1.9017
		58			1.416	2.185	64.81	0.6481	1.8836
		106			1.416	2.185	64.81	0.6481	1.8836
		122			1.416	2.194	64.54	0.6454	1.9017
IEEE 802.11ax_20		36	SU		2.390	3.157	75.72	0.7572	1.2079
		40			2.389	3.166	75.45	0.7545	1.2234

		48			2.390	3.157	75.72	0.7572	1.2079
		52			2.389	3.166	75.45	0.7545	1.2234
		60			2.389	3.165	75.48	0.7548	1.2217
		64			2.390	3.166	75.50	0.7550	1.2205
		100			2.389	3.165	75.48	0.7548	1.2217
		116			2.389	3.157	75.67	0.7567	1.2108
		140			2.389	3.166	75.45	0.7545	1.2234
IEEE 802.11ax_40		38			2.390	3.159	75.68	0.7568	1.2102
		46			2.390	3.159	75.68	0.7568	1.2102
		54			2.389	3.166	75.45	0.7545	1.2234
		62			2.389	3.157	75.67	0.7567	1.2108
		102			2.390	3.166	75.50	0.7550	1.2205
		110			2.389	3.139	76.11	0.7611	1.1856
		134			2.389	3.157	75.67	0.7567	1.2108
IEEE 802.11ax_80		42			1.172	1.949	60.13	0.6013	2.2091
		58			1.172	1.931	60.69	0.6069	2.1688
		106			1.171	1.940	60.36	0.6036	2.1925
		122			1.171	1.949	60.08	0.6008	2.2127

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	N/A	1	1.235	1.261	97.91	0.9791	0.0917
		157			1.235	1.261	97.91	0.9791	0.0917
		165			1.235	1.261	97.91	0.9791	0.0917
IEEE 802.11n_20	149	3.122			3.898	80.09	0.8009	0.9642	
	157	3.122			3.898	80.09	0.8009	0.9642	
	165	3.123			3.899	80.10	0.8010	0.9637	
IEEE 802.11n_40	151	3.010			3.751	80.25	0.8025	0.9555	
	159	3.010			3.786	79.51	0.7951	0.9958	
IEEE 802.11ac_20	MCS 0	149			3.130	3.889	80.48	0.8048	0.9431
		157			3.131	3.898	80.33	0.8033	0.9512
		165			3.130	3.905	80.13	0.8013	0.962
IEEE 802.11ac_40		151			3.017	3.781	79.80	0.7980	0.98
		159			3.015	3.783	79.69	0.7969	0.986
IEEE 802.11ac_80		155			1.416	2.149	65.89	0.6589	1.8118
IEEE 802.11ax_20		149	2.389	3.165	75.48	0.7548	1.2217		
		157	2.389	3.165	75.48	0.7548	1.2217		
		165	2.390	3.148	75.94	0.7594	1.1953		
IEEE 802.11ax_40		151	2.389	3.157	75.67	0.7567	1.2108		
		159	2.389	3.157	75.67	0.7567	1.2108		
IEEE 802.11ax_80	155	1.171	1.886	62.09	0.6209	2.0698			

Test Graphs

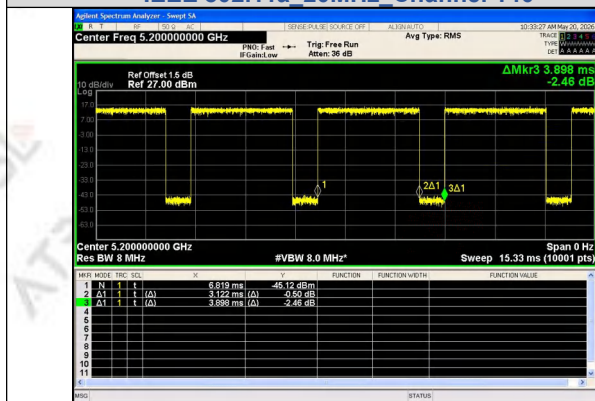




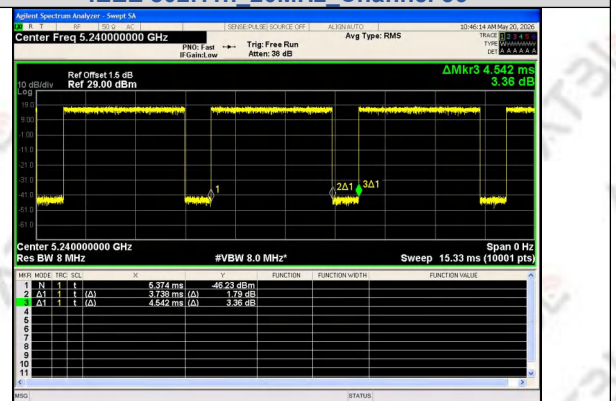
IEEE 802.11a 20MHz Channel 140



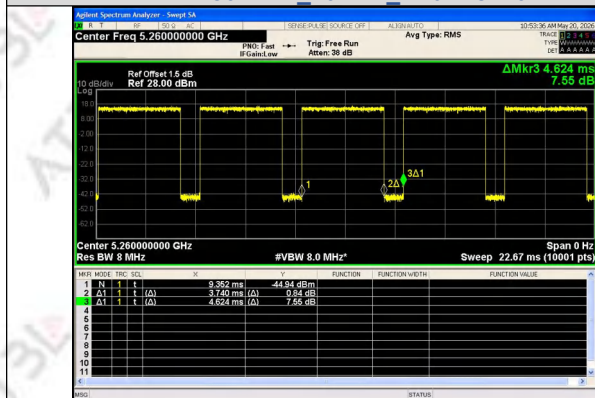
IEEE 802.11n 20MHz Channel 36



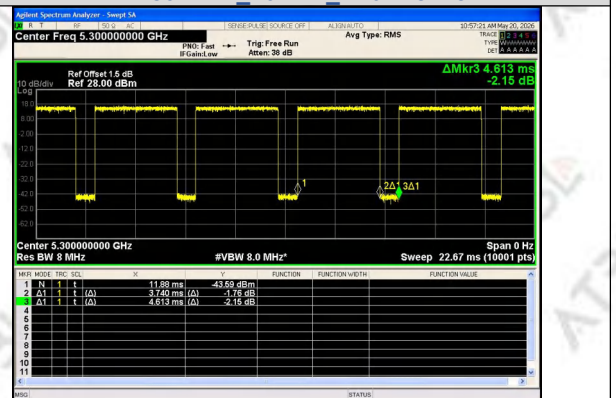
IEEE 802.11n 20MHz Channel 40



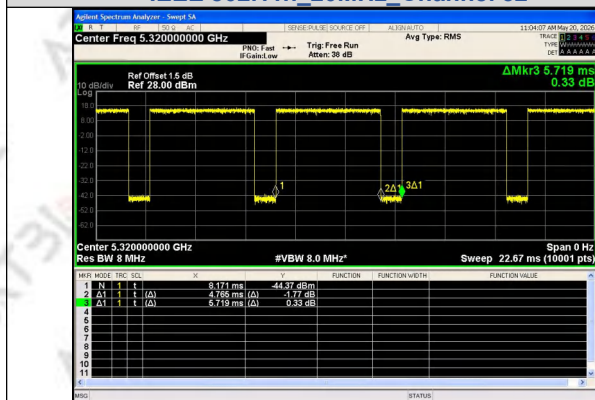
IEEE 802.11n 20MHz Channel 48



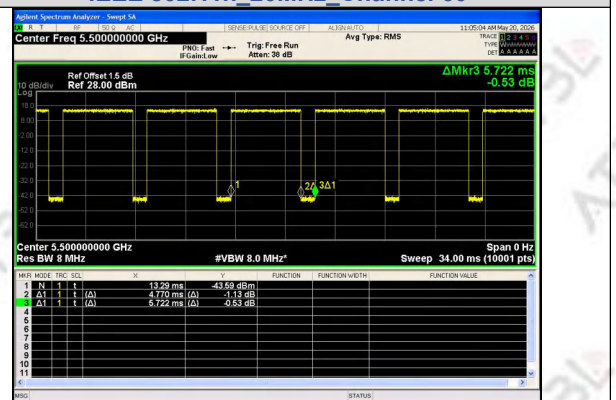
IEEE 802.11n 20MHz Channel 52



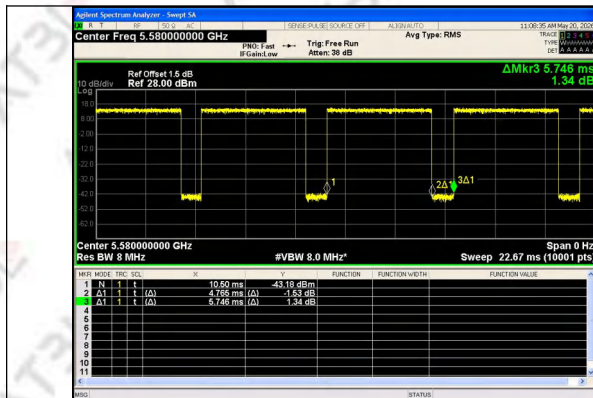
IEEE 802.11n 20MHz Channel 60



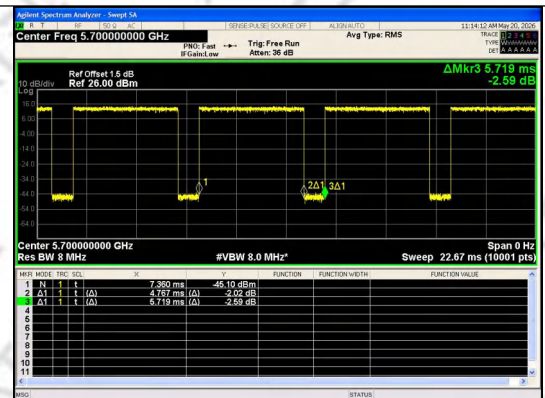
IEEE 802.11n 20MHz Channel 64



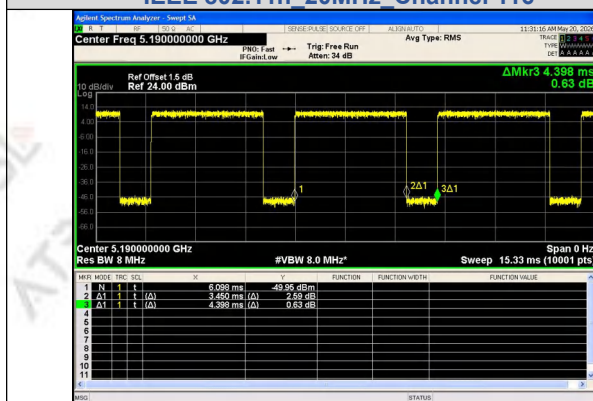
IEEE 802.11n 20MHz Channel 100



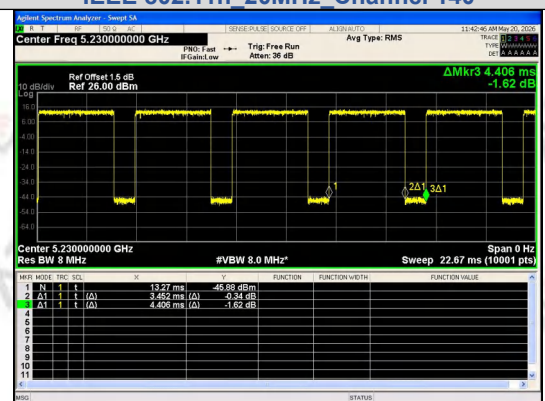
IEEE 802.11n 20MHz Channel 116



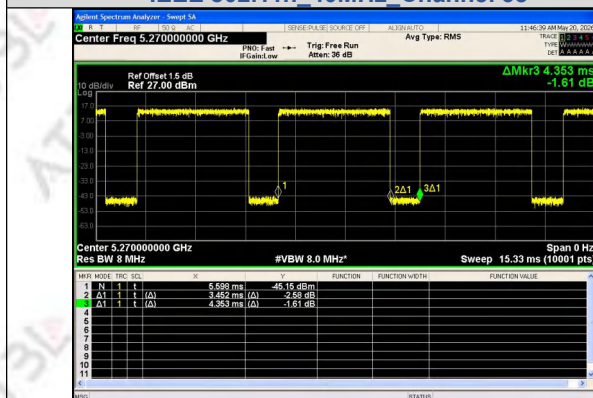
IEEE 802.11n 20MHz Channel 140



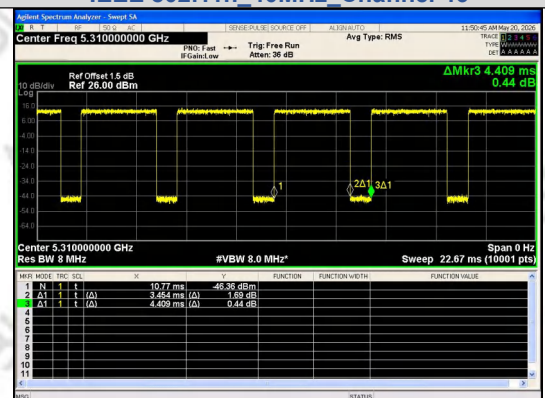
IEEE 802.11n 40MHz Channel 38



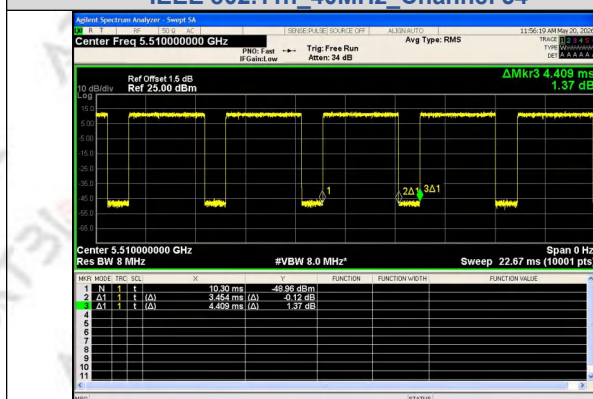
IEEE 802.11n 40MHz Channel 46



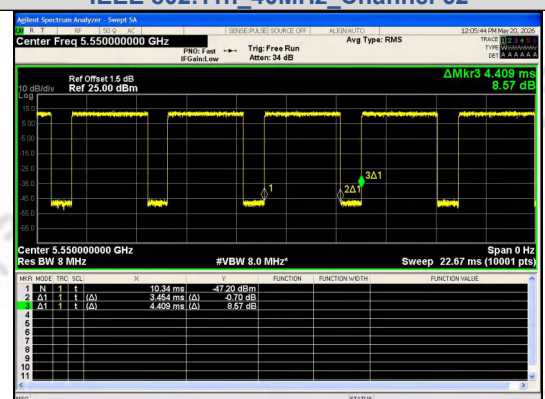
IEEE 802.11n 40MHz Channel 54



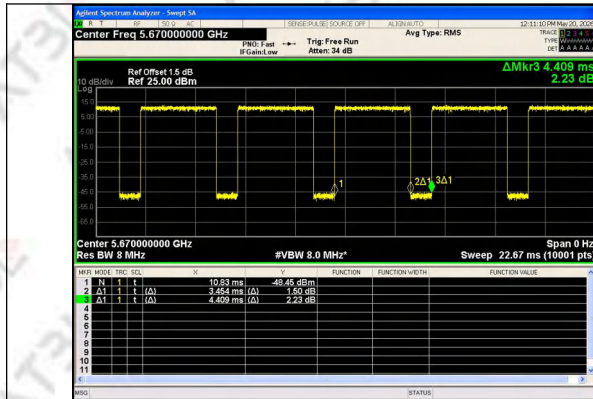
IEEE 802.11n 40MHz Channel 62



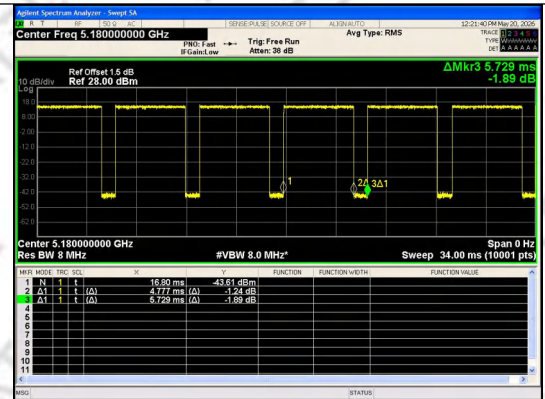
IEEE 802.11n 40MHz Channel 102



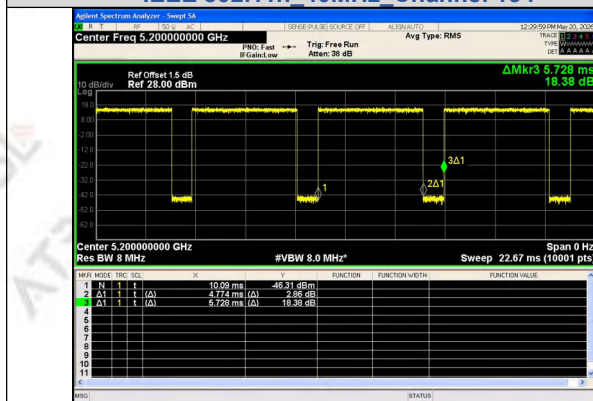
IEEE 802.11n 40MHz Channel 110



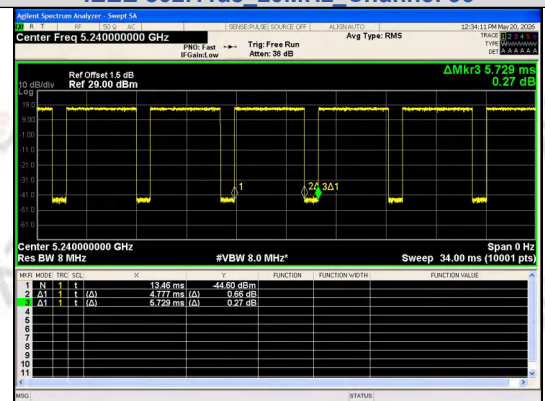
IEEE 802.11n 40MHz Channel 134



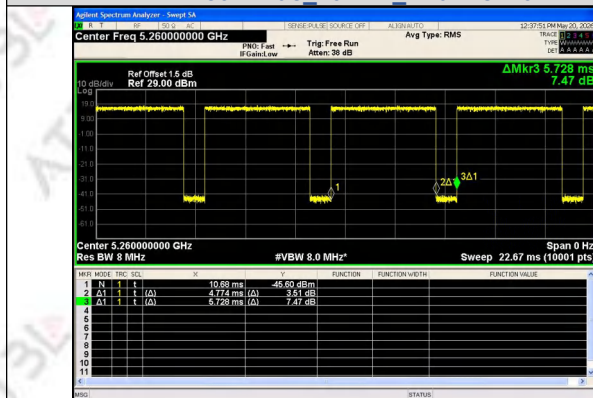
IEEE 802.11ac 20MHz Channel 36



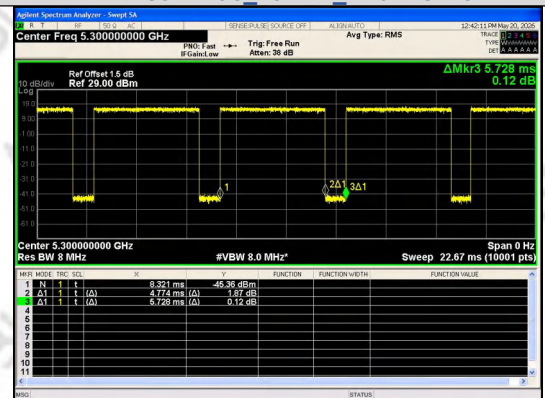
IEEE 802.11ac 20MHz Channel 40



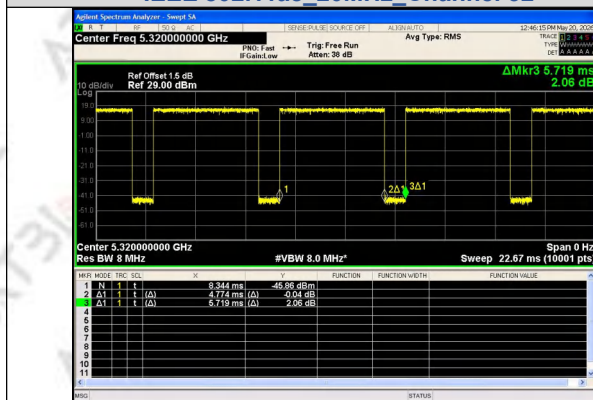
IEEE 802.11ac 20MHz Channel 48



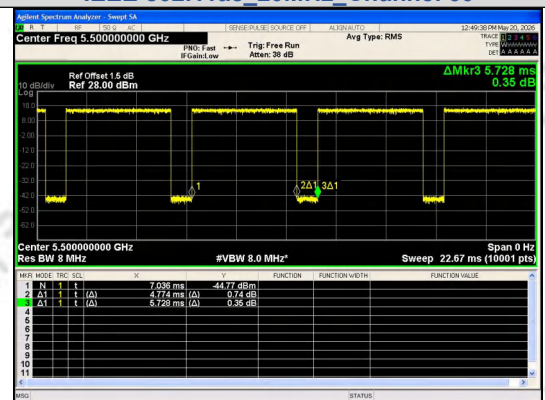
IEEE 802.11ac 20MHz Channel 52



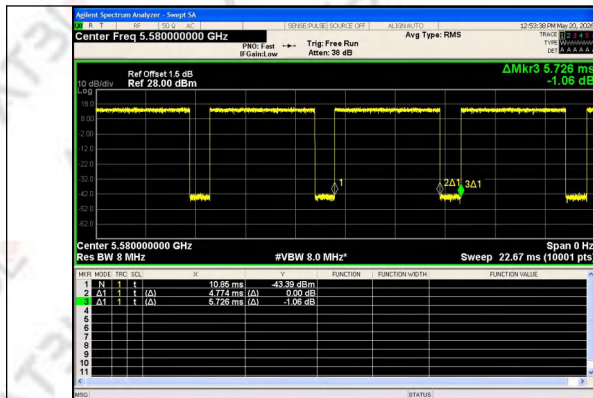
IEEE 802.11ac 20MHz Channel 60



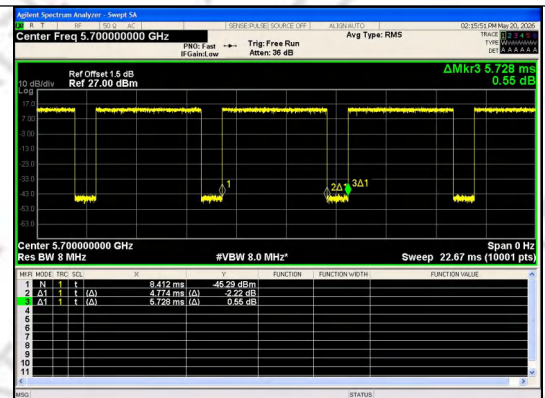
IEEE 802.11ac 20MHz Channel 64



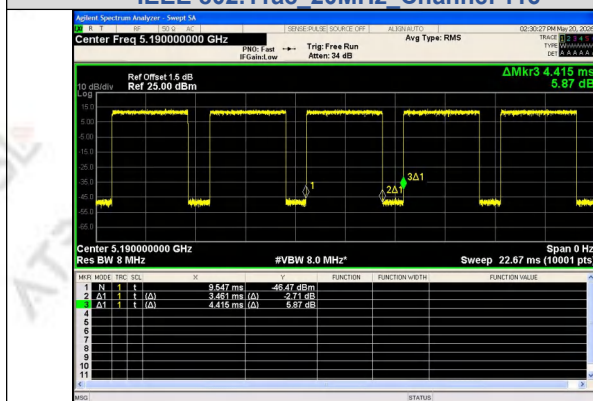
IEEE 802.11ac 20MHz Channel 100



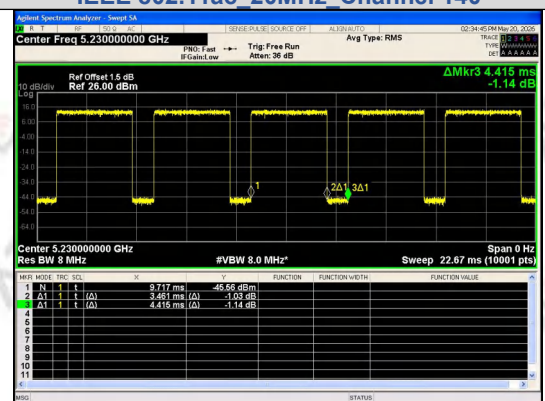
IEEE 802.11ac 20MHz Channel 116



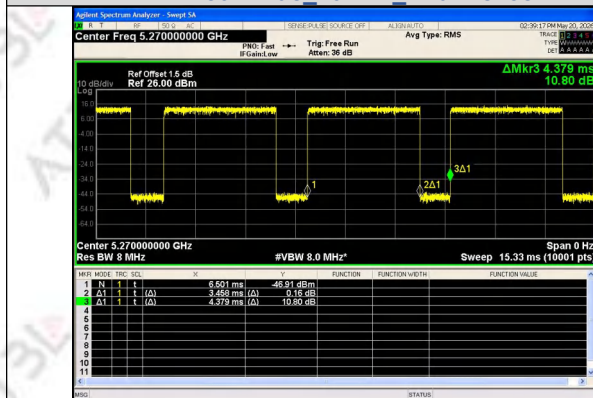
IEEE 802.11ac 20MHz Channel 140



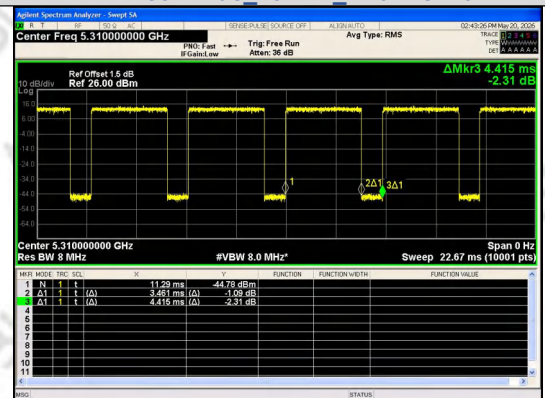
IEEE 802.11ac 40MHz Channel 38



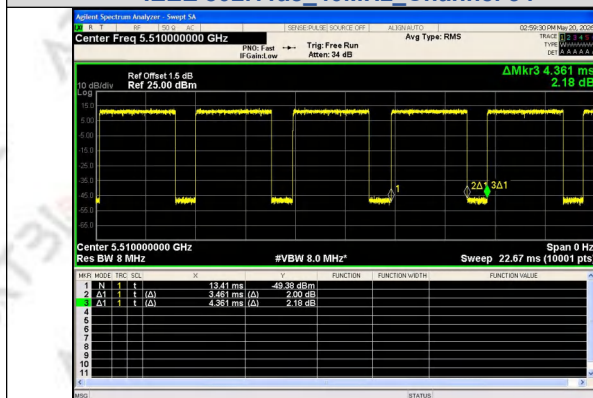
IEEE 802.11ac 40MHz Channel 46



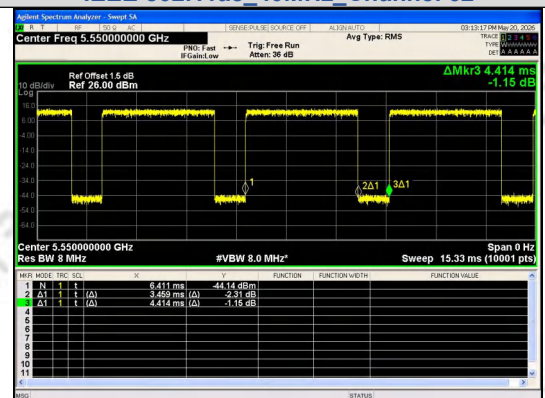
IEEE 802.11ac 40MHz Channel 54



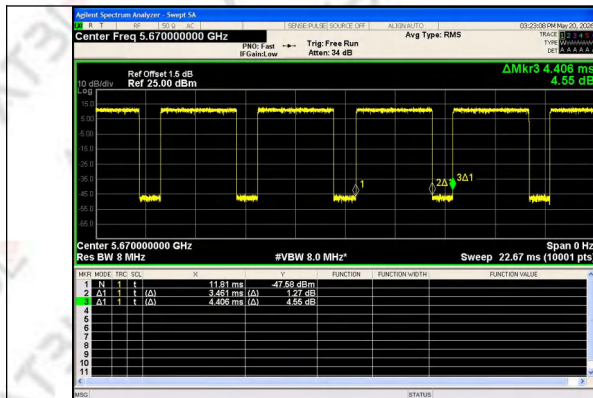
IEEE 802.11ac 40MHz Channel 62



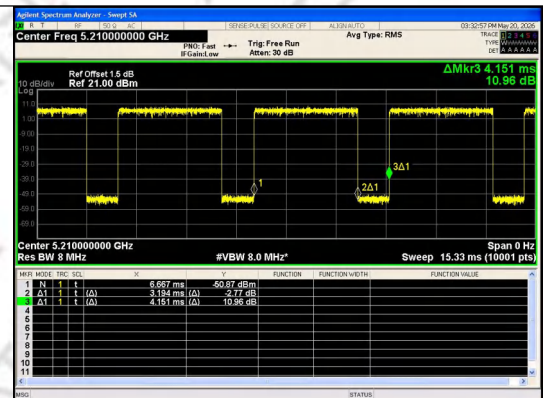
IEEE 802.11ac 40MHz Channel 102



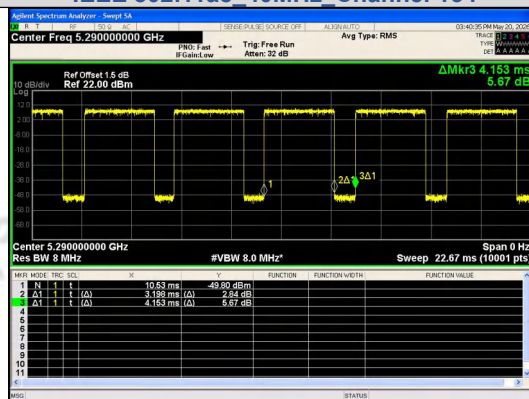
IEEE 802.11ac 40MHz Channel 110



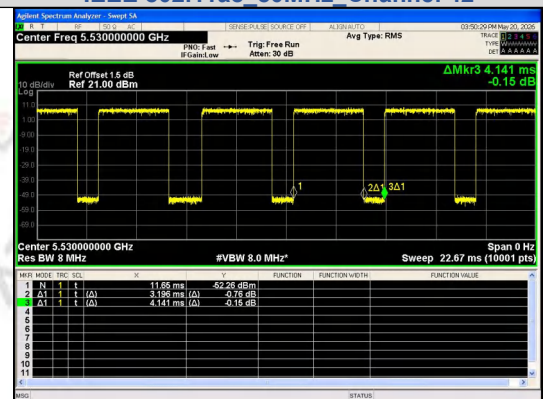
IEEE 802.11ac 40MHz Channel 134



IEEE 802.11ac 80MHz Channel 42



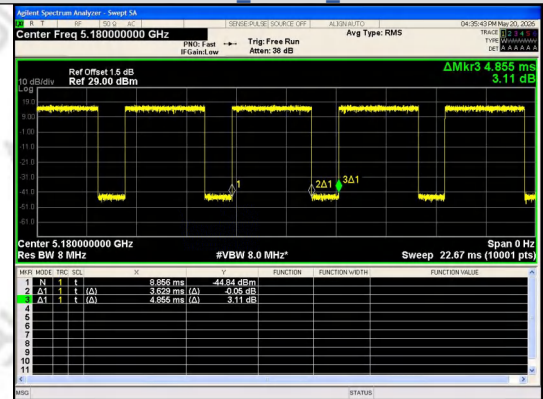
IEEE 802.11ac 80MHz Channel 58



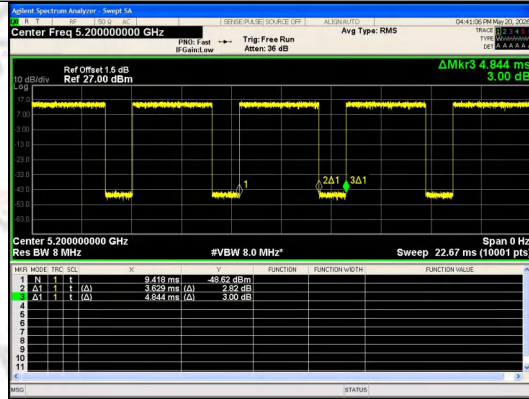
IEEE 802.11ac 80MHz Channel 106



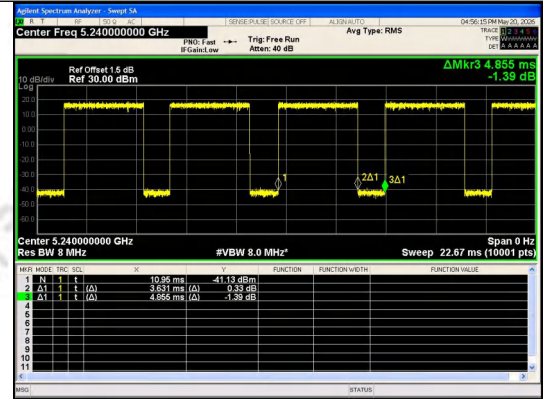
IEEE 802.11ac 80MHz Channel 122



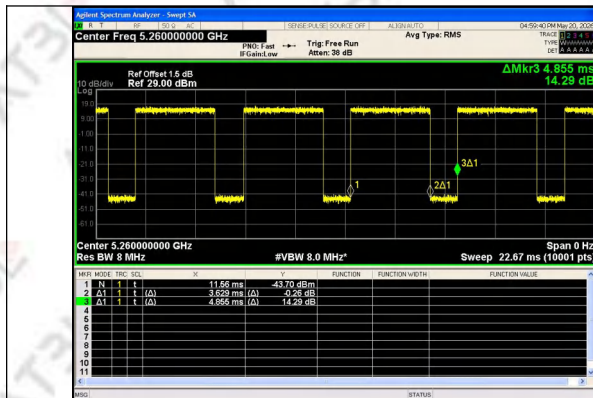
IEEE 802.11ac 20MHz Channel 36



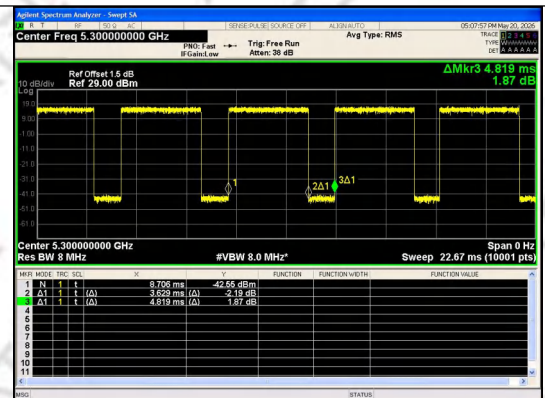
IEEE 802.11ac 20MHz Channel 40



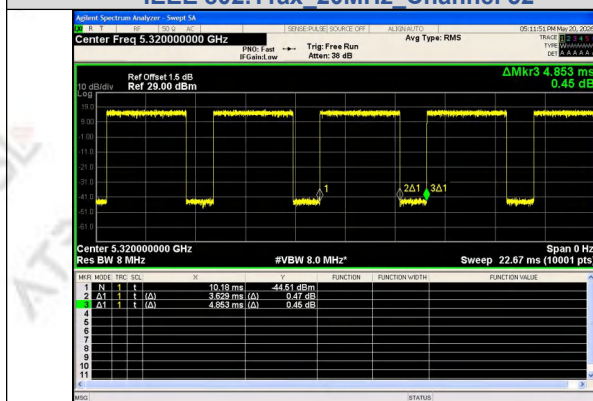
IEEE 802.11ac 20MHz Channel 48



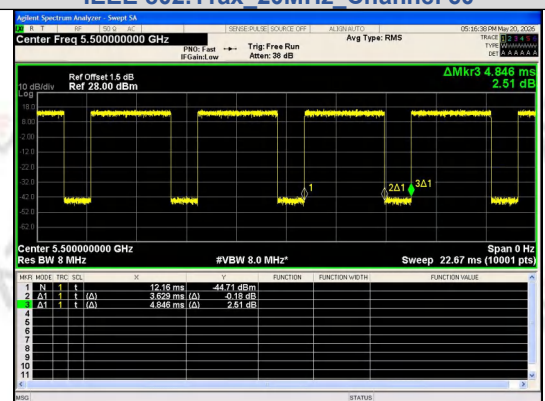
IEEE 802.11ax 20MHz Channel 52



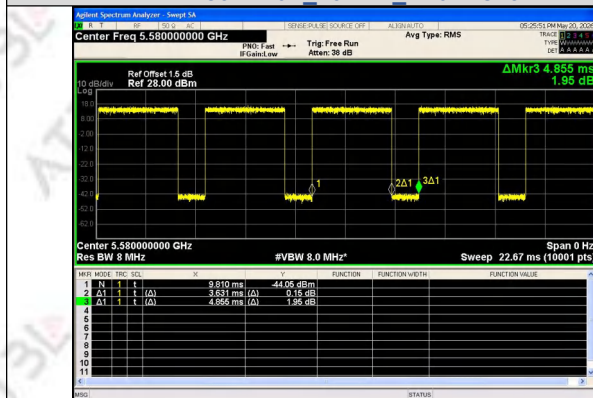
IEEE 802.11ax 20MHz Channel 60



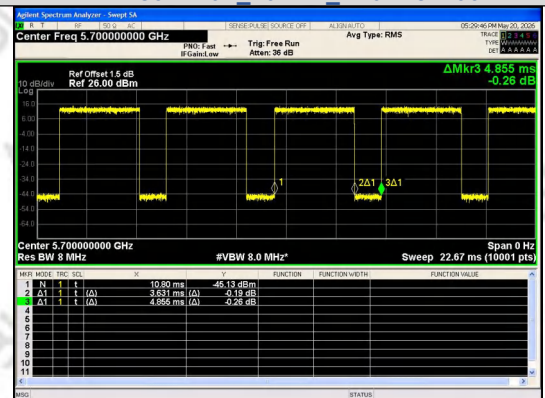
IEEE 802.11ax 20MHz Channel 64



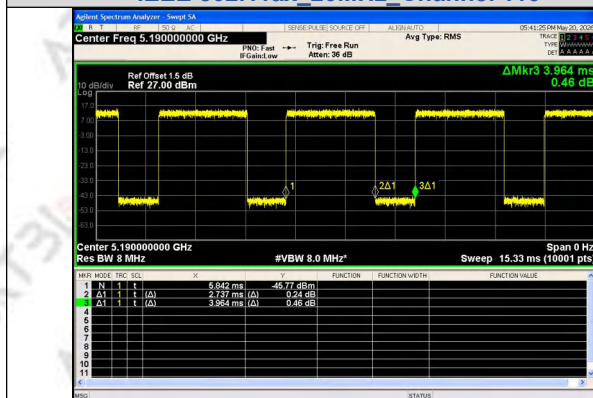
IEEE 802.11ax 20MHz Channel 100



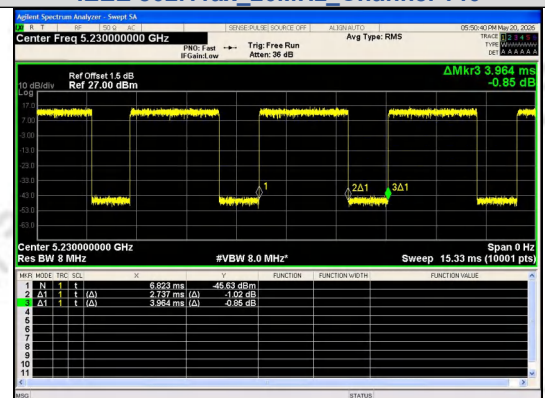
IEEE 802.11ax 20MHz Channel 116



IEEE 802.11ax 20MHz Channel 140



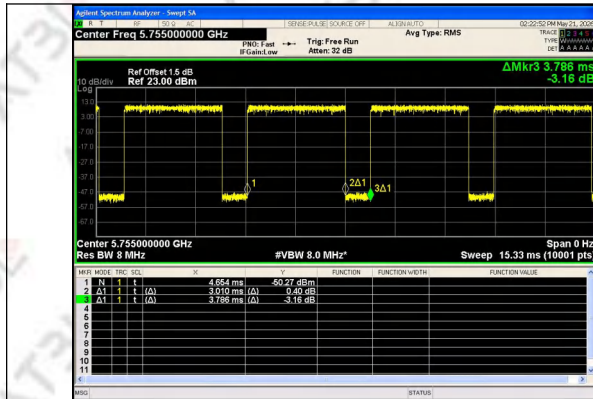
IEEE 802.11ax 40MHz Channel 38



IEEE 802.11ax 40MHz Channel 46



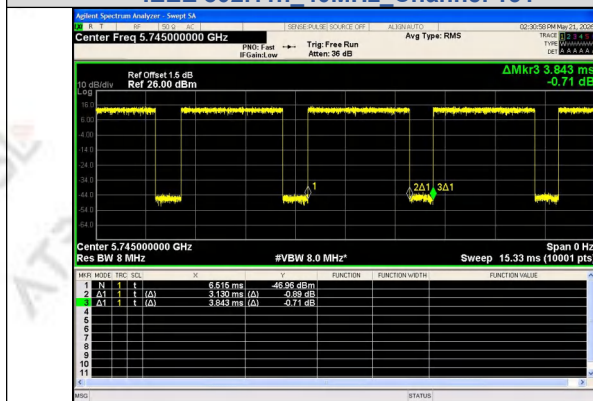




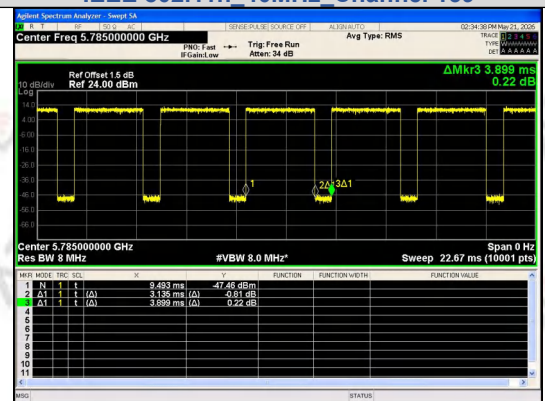
IEEE 802.11n 40MHz Channel 151



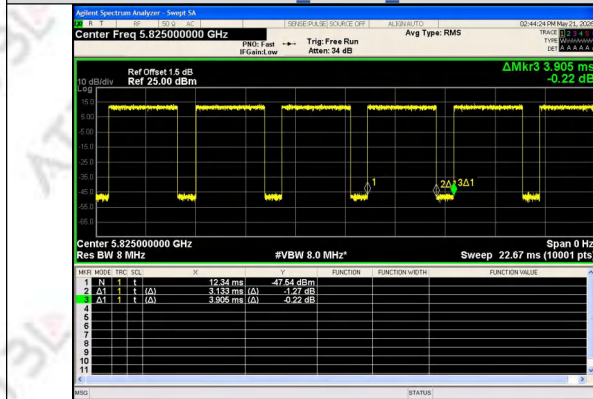
IEEE 802.11n 40MHz Channel 159



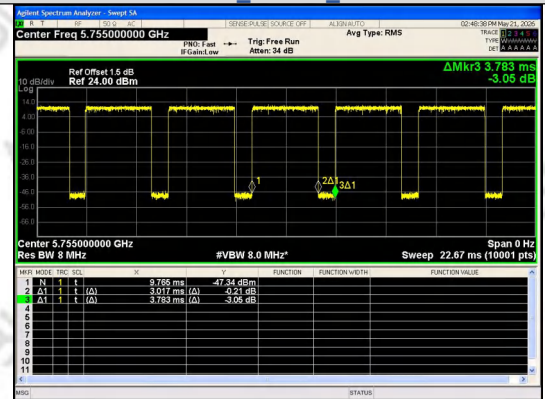
IEEE 802.11ac 20MHz Channel 149



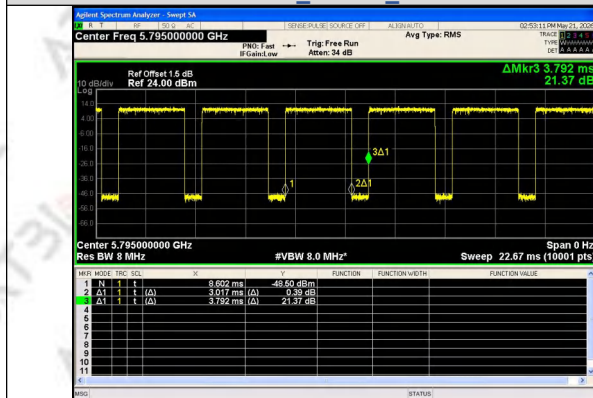
IEEE 802.11ac 20MHz Channel 157



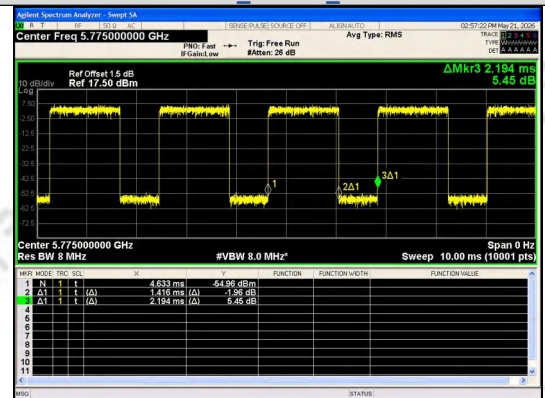
IEEE 802.11ac 20MHz Channel 165



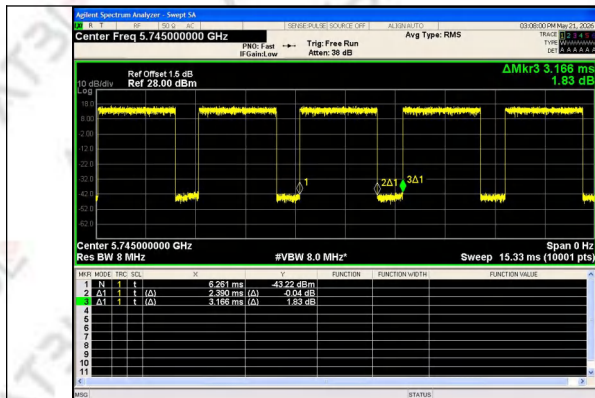
IEEE 802.11ac 40MHz Channel 151



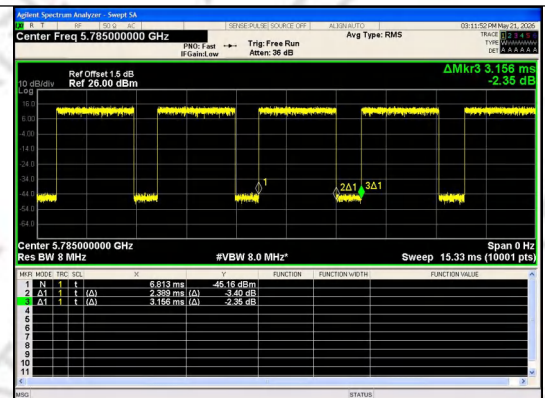
IEEE 802.11ac 40MHz Channel 159



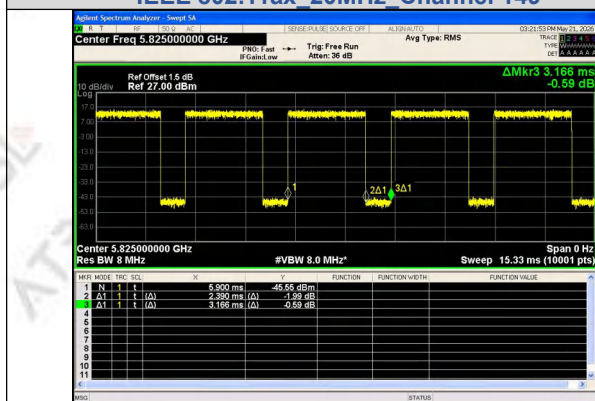
IEEE 802.11ac 80MHz Channel 155



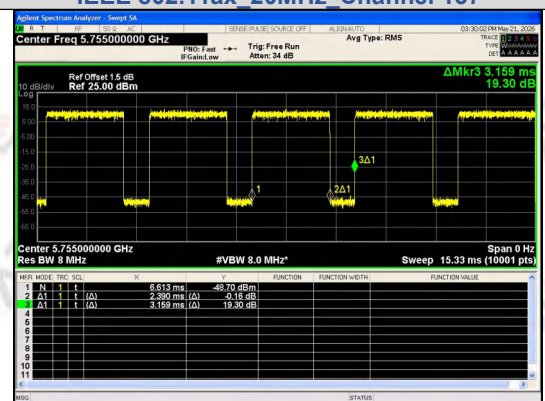
IEEE 802.11ax 20MHz Channel 149



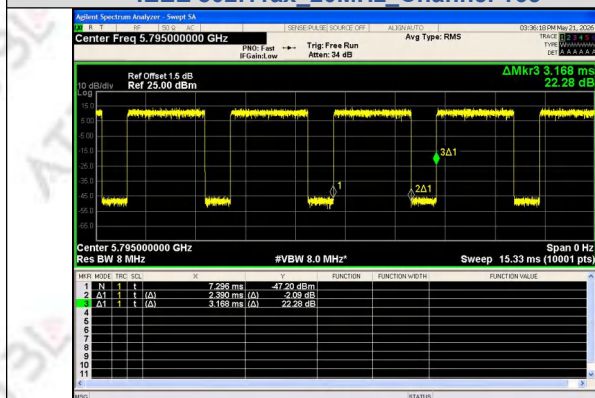
IEEE 802.11ax 20MHz Channel 157



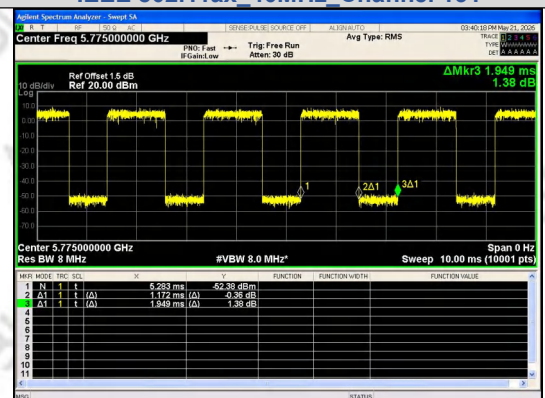
IEEE 802.11ax 20MHz Channel 165



IEEE 802.11ax 40MHz Channel 151

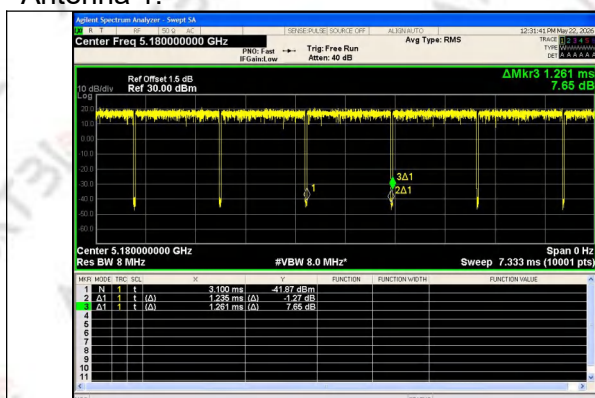


IEEE 802.11ax 40MHz Channel 159

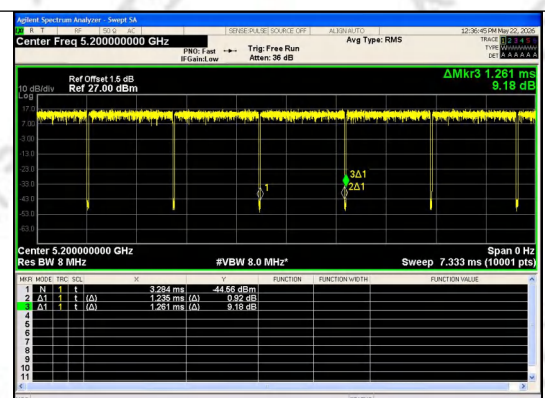


IEEE 802.11ax 80MHz Channel 155

Antenna 1:



IEEE 802.11a 20MHz Channel 36



IEEE 802.11a 20MHz Channel 40