

Appendix D of data

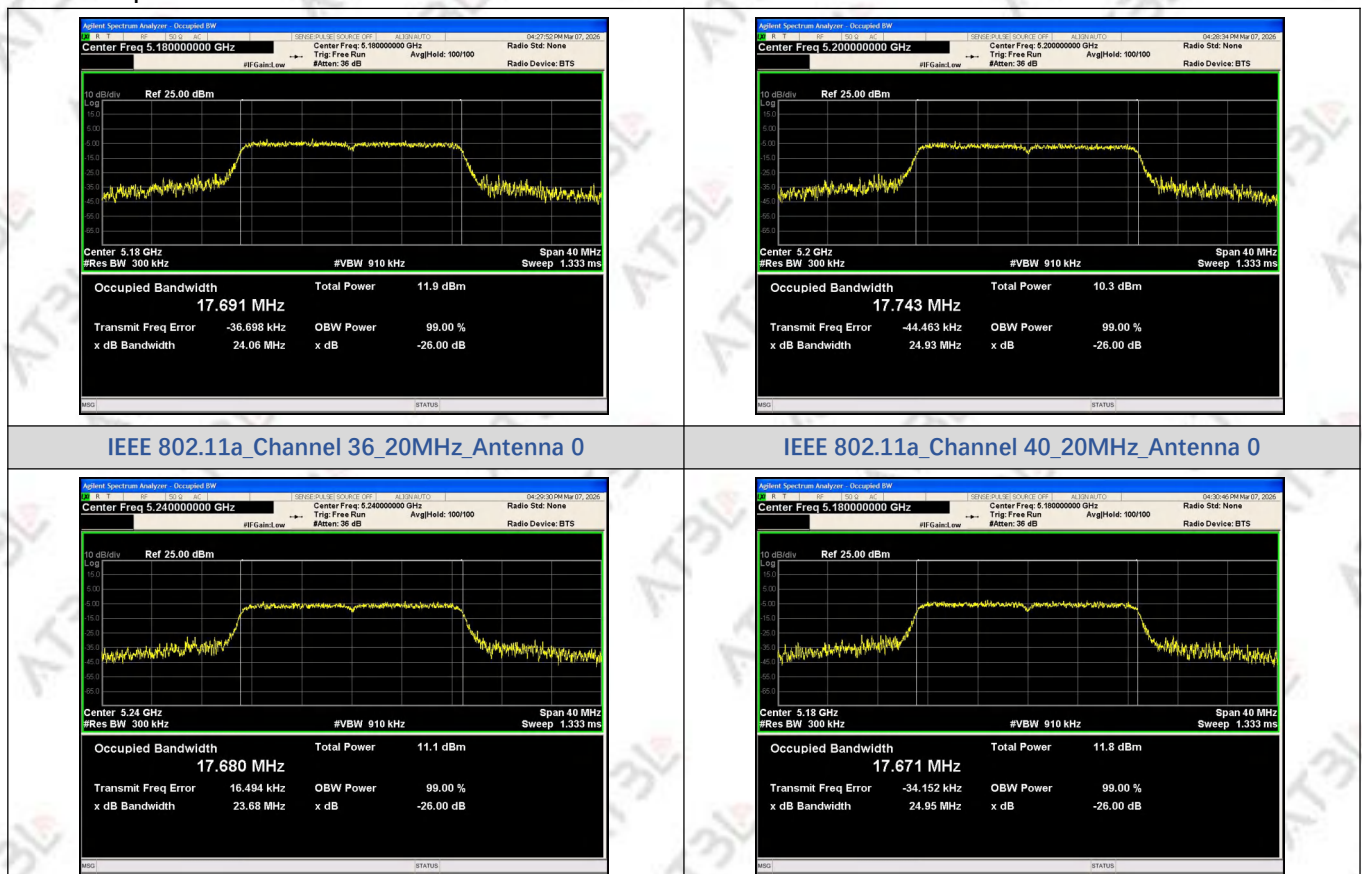
D1.Emission Bandwidth

26dB Bandwidth

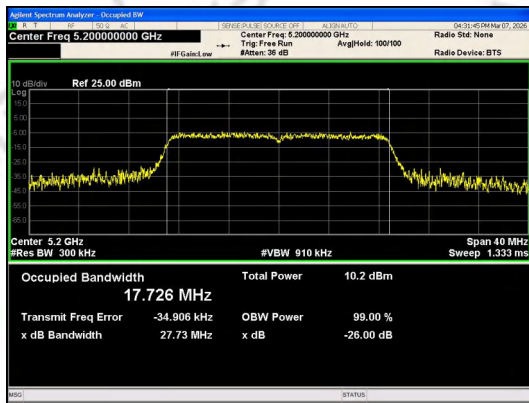
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	0	5180	24.06
	40		5200	24.93
	48		5240	23.68
IEEE 802.11n_20	36		5180	24.95
	40		5200	27.73
	48		5240	25.57
IEEE 802.11n_40	38		5190	46.33
	46		5230	44.43
IEEE 802.11ac_20	36		5180	24.54
	40		5200	28.71
	48		5240	24.98
IEEE 802.11ac_40	38		5190	42.15
	46		5230	43.86
IEEE 802.11ac_80	42		5210	87.78

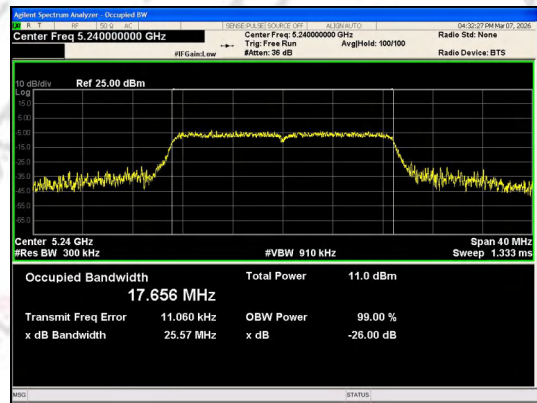
Test Graphs



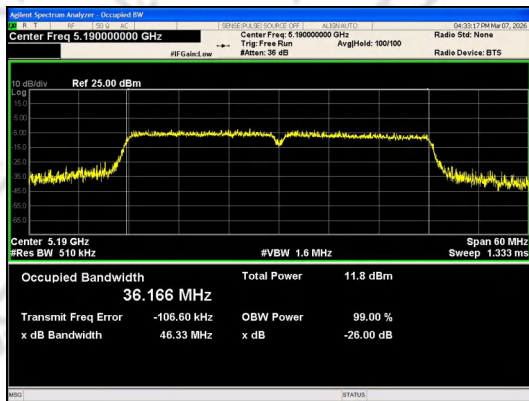
IEEE 802.11a_Channel 48_20MHz_Antenna 0



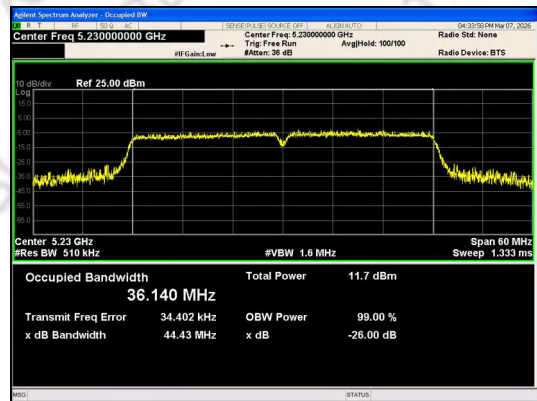
IEEE 802.11n_Channel 36_20MHz_Antenna 0



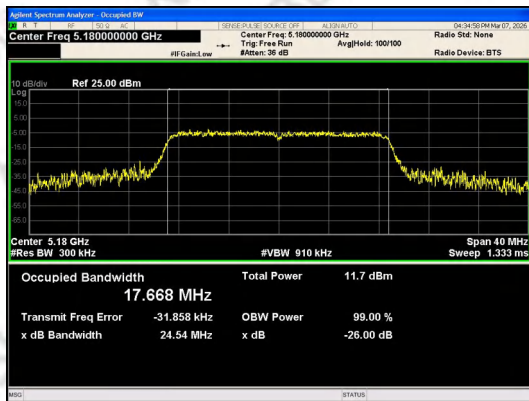
IEEE 802.11n_Channel 40_20MHz_Antenna 0



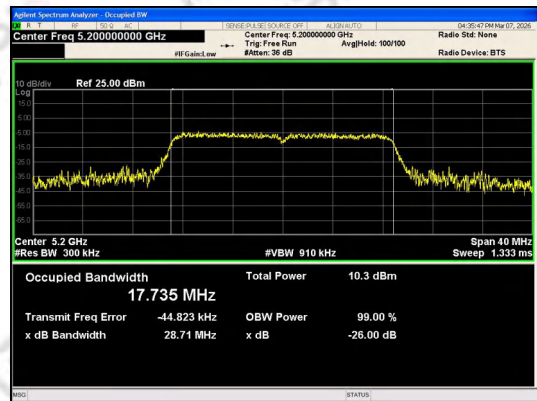
IEEE 802.11n_Channel 48_20MHz_Antenna 0



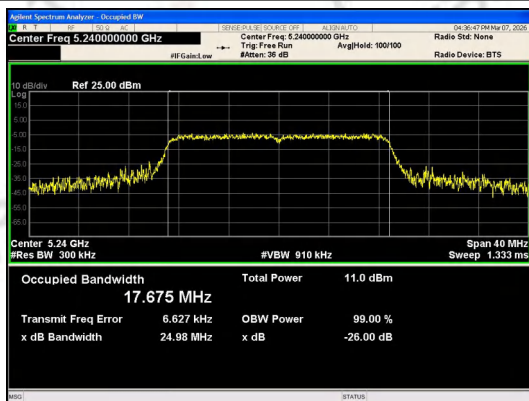
IEEE 802.11n_Channel 38_40MHz_Antenna 0



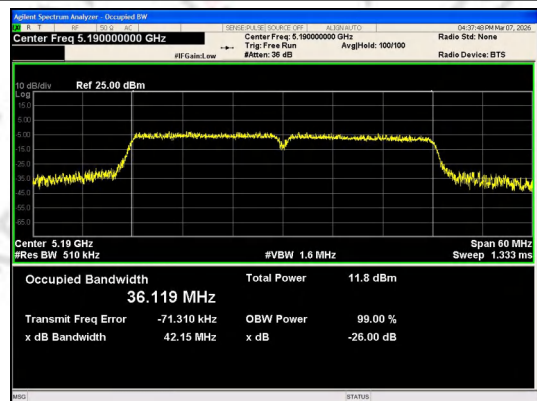
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0

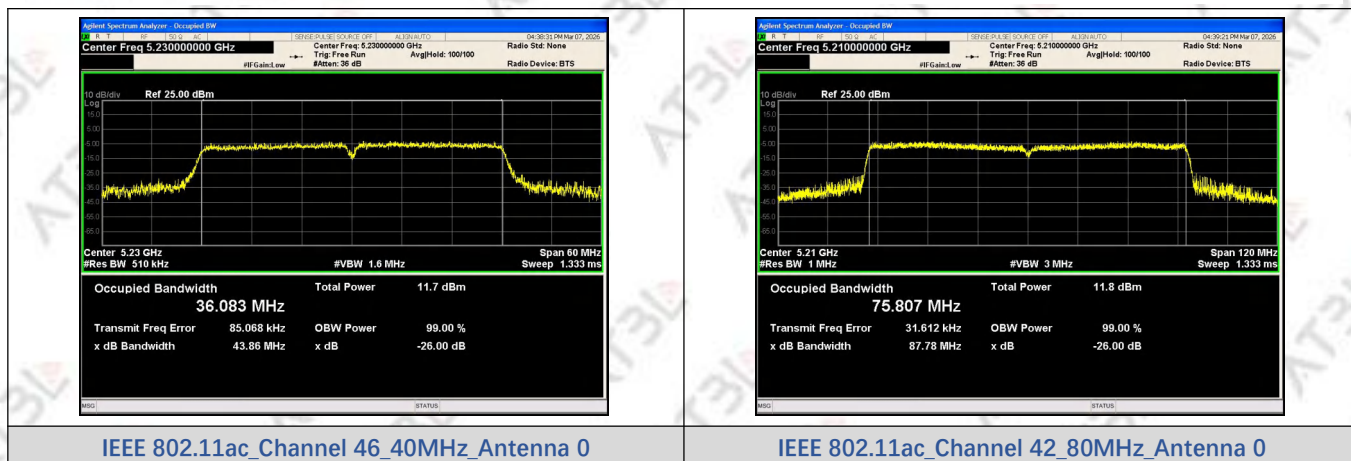


IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



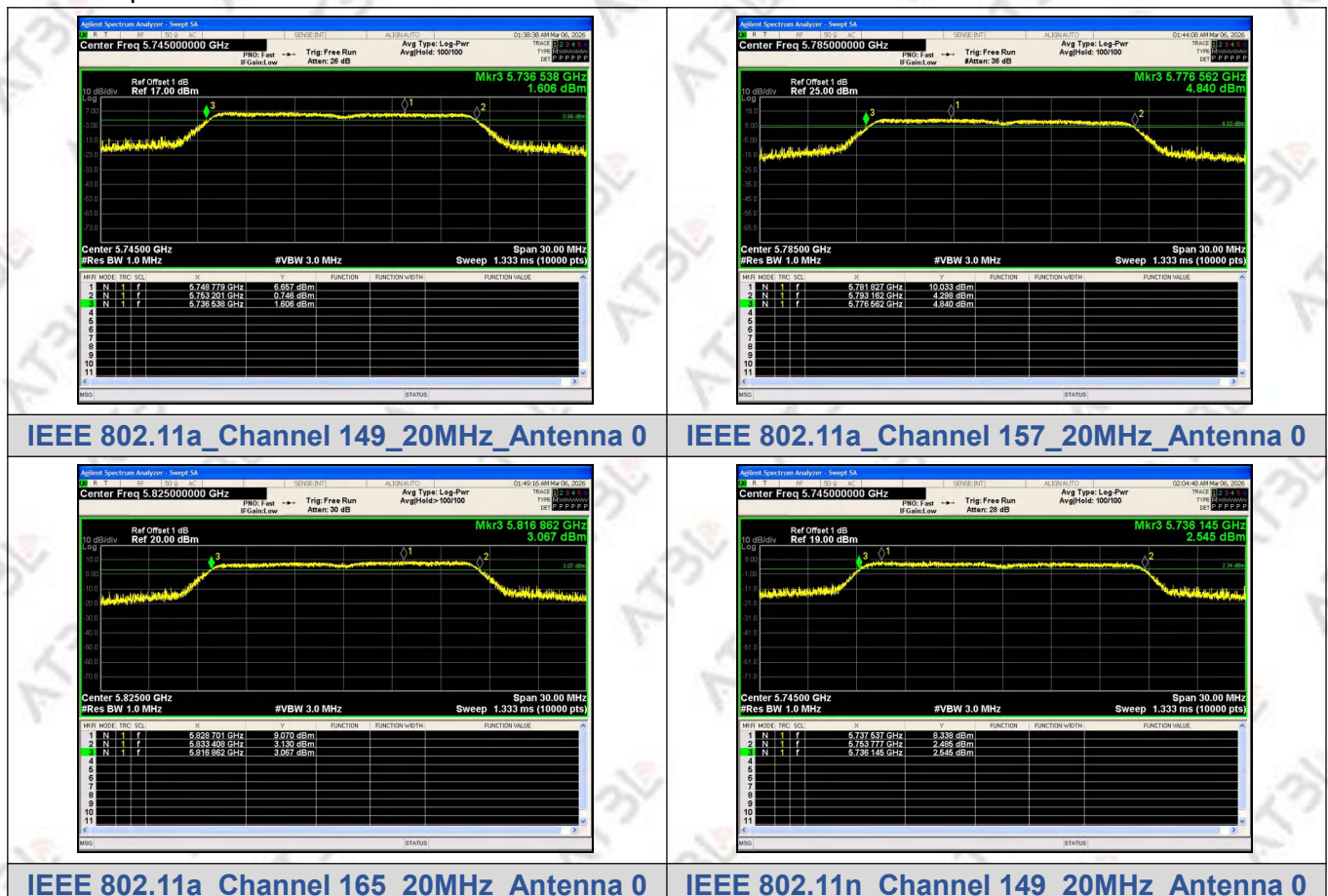
D2. Minimum Emission Bandwidth for the band 5.725–5.85 GHz

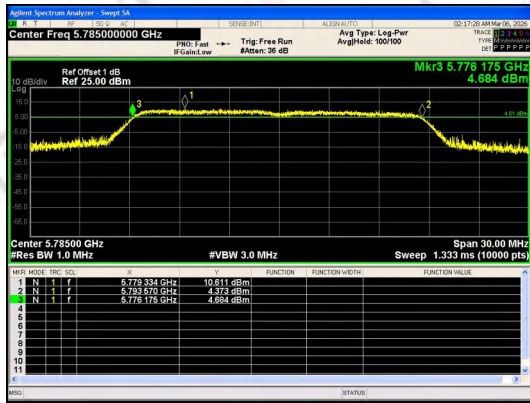
6dB Bandwidth

Test Result

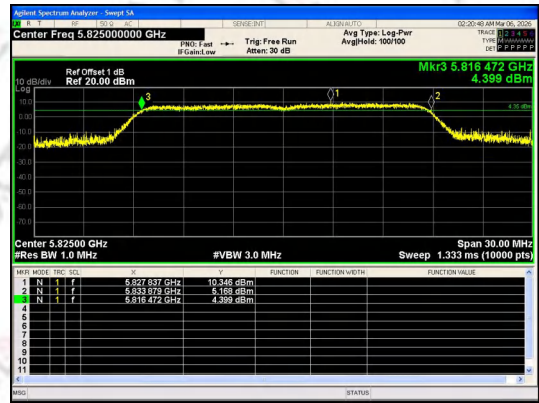
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.66	≥0.5	PASS
	157		5785	16.60		PASS
	165		5825	16.55		PASS
IEEE 802.11n_20	149		5745	17.64		PASS
	157		5785	17.40		PASS
	165		5825	17.41		PASS
IEEE 802.11n_40	151		5755	47.63		PASS
	159		5795	47.80		PASS
IEEE 802.11ac_20	149		5745	17.51		PASS
	157		5785	17.55		PASS
	165		5825	17.41		PASS
IEEE 802.11ac_40	151		5755	36.16		PASS
	159		5795	35.99		PASS
IEEE 802.11ac_80	155		5775	75.57		PASS

Test Graphs

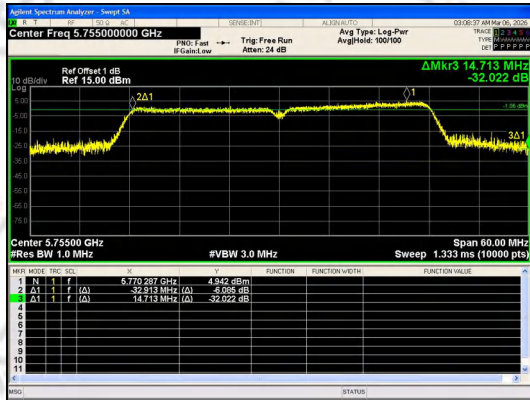




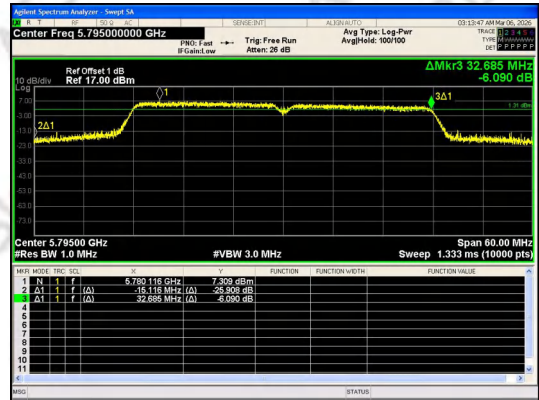
IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0



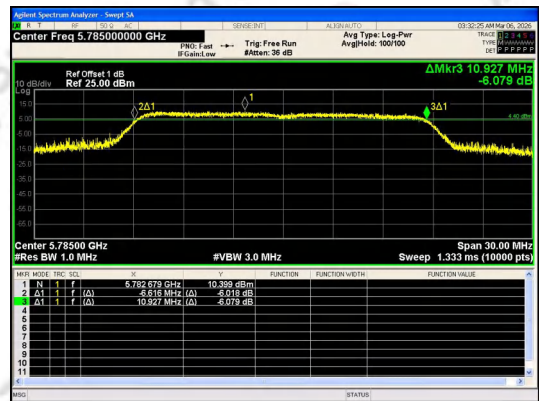
IEEE 802.11n_Channel 151_40MHz_Antenna 0



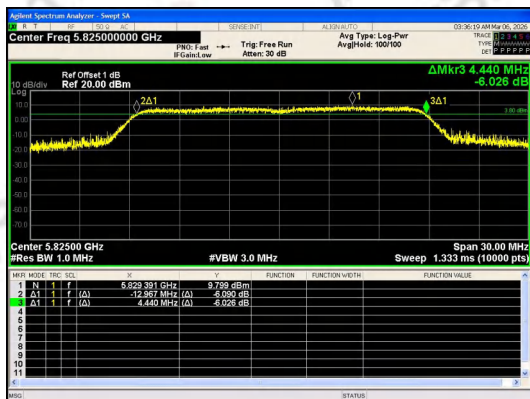
IEEE 802.11n_Channel 159_40MHz_Antenna 0



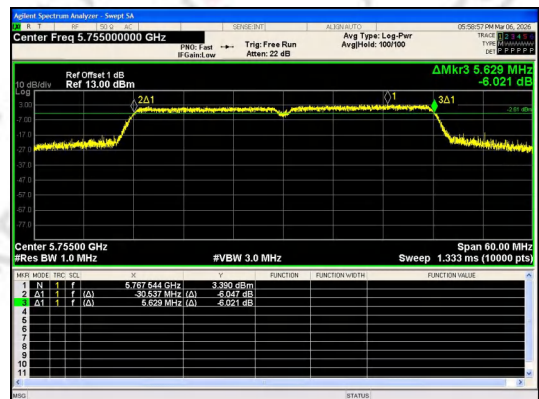
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



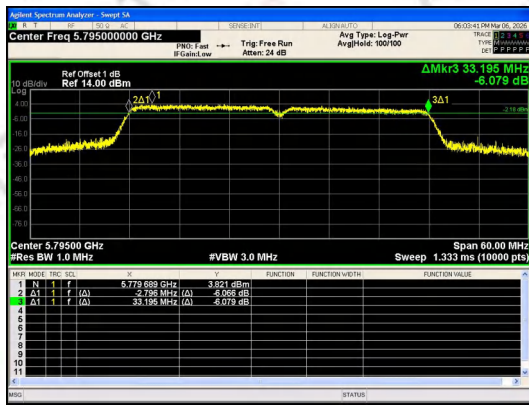
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



IEEE 802.11ac_Channel 165_20MHz_Antenna 0

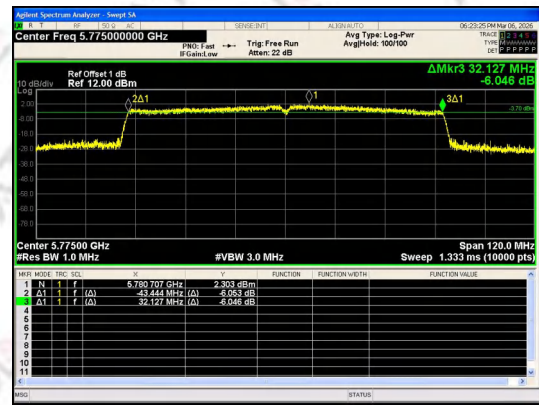


IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna

0



IEEE 802.11ac_Channel 155_80MHz_Antenna

0

D3.Maximum Conducted Average Output Power

Test Result

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	11.83	≤23.97	PASS
	40	10.74	≤23.97	PASS
	48	13.17	≤23.97	PASS
IEEE 802.11n_20	36	11.91	≤23.97	PASS
	40	11.07	≤23.97	PASS
	48	13.02	≤23.97	PASS
IEEE 802.11n_40	38	9.78	≤23.97	PASS
	46	11.38	≤23.97	PASS
IEEE 802.11ac_20	36	11.82	≤23.97	PASS
	40	10.78	≤23.97	PASS
	48	12.88	≤23.97	PASS
IEEE 802.11ac_40	38	9.57	≤23.97	PASS
	46	10.63	≤23.97	PASS
IEEE 802.11ac_80	42	9.94	≤23.97	PASS

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	10.88	≤30	PASS
	157	12.6	≤30	PASS
	165	11.96	≤30	PASS
IEEE 802.11n_20	149	10.88	≤30	PASS
	157	12.64	≤30	PASS
	165	11.91	≤30	PASS
IEEE 802.11n_40	151	11.36	≤30	PASS
	159	12.15	≤30	PASS
IEEE 802.11ac_20	149	10.78	≤30	PASS
	157	12.51	≤30	PASS
	165	11.9	≤30	PASS
IEEE 802.11ac_40	151	10.94	≤30	PASS
	159	11.25	≤30	PASS
IEEE 802.11ac_80	155	9.65	≤30	PASS

D4.Power Spectral Density

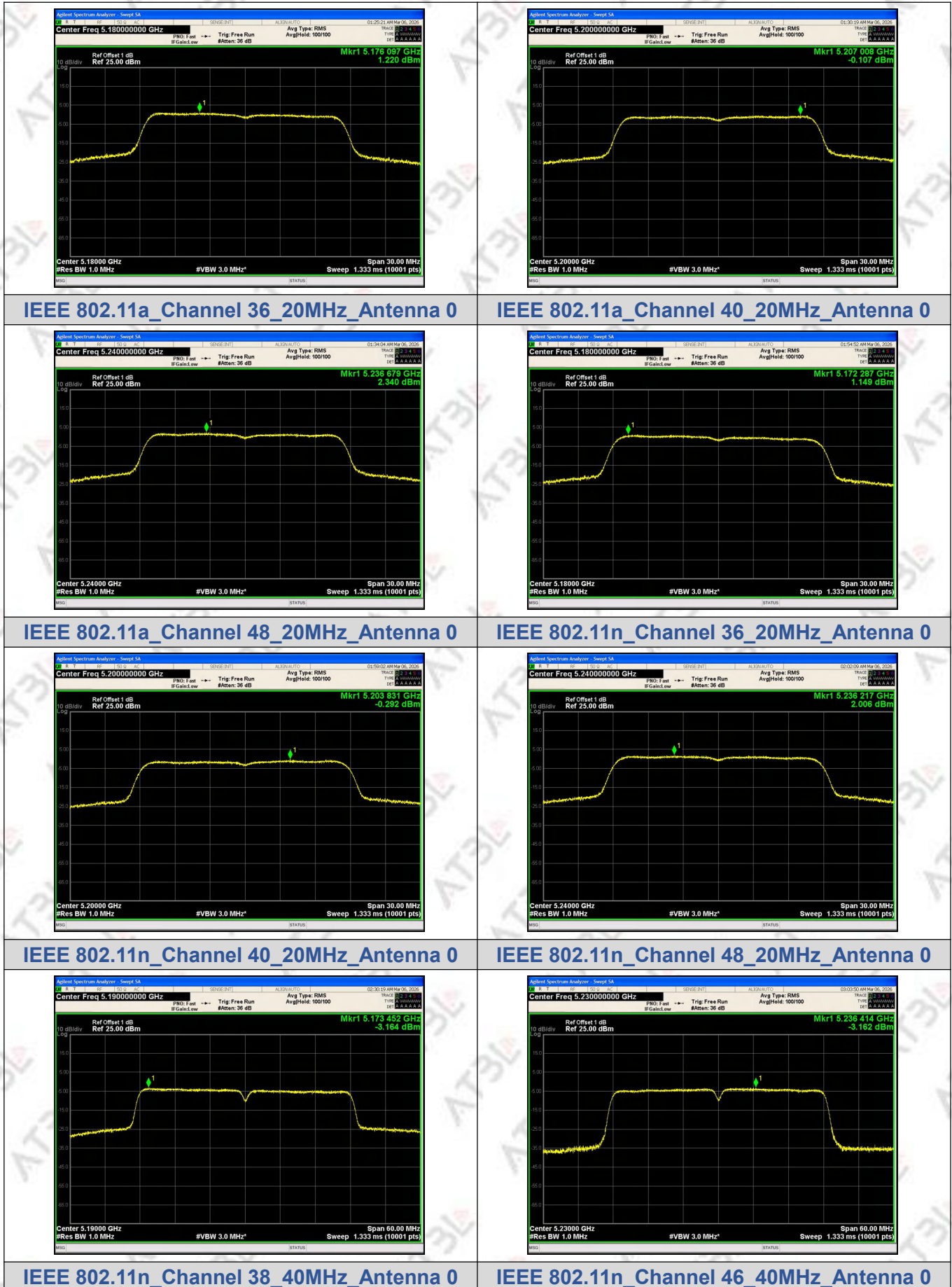
Test Result

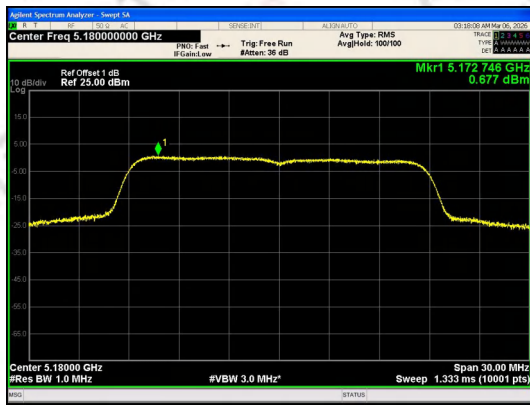
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	1.220	0.3825	1.603	11	PASS
	40	-0.107	0.3716	0.265		PASS
	48	2.340	0.3602	2.7		PASS
IEEE 802.11n_20	36	1.149	0.4311	1.58		PASS
	40	-0.292	0.4163	0.124		PASS
	48	2.006	0.4292	2.435		PASS
IEEE 802.11n_40	38	-3.164	0.8386	-2.325		PASS
	46	-3.162	0.8852	-2.277		PASS
IEEE 802.11ac_20	36	0.677	0.4263	1.103		PASS
	40	-0.326	0.4518	0.126		PASS
	48	1.711	0.4263	2.137		PASS
IEEE 802.11ac_40	38	-3.366	0.8836	-2.482		PASS
	46	-4.222	0.8339	-3.388		PASS
IEEE 802.11ac_80	42	-5.950	1.6052	-4.345		PASS

Mode	Channel	Ant. 0 Meas PSD (dBm/500kHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	-4.654	0.3513	-4.303	30	PASS
	157	-1.367	0.3513	-1.016		PASS
	165	-2.074	0.3602	-1.714		PASS
IEEE 802.11n_20	149	-3.474	0.4292	-3.045		PASS
	157	-1.385	0.4552	-0.93		PASS
	165	-2.245	0.4292	-1.816		PASS
IEEE 802.11n_40	151	-7.572	0.8879	-6.684		PASS
	159	-5.321	0.8386	-4.482		PASS
IEEE 802.11ac_20	149	-3.539	0.4263	-3.113		PASS
	157	-1.566	0.4282	-1.138		PASS
	165	-2.296	0.4282	-1.868		PASS
IEEE 802.11ac_40	151	-6.785	0.8836	-5.901		PASS
	159	-6.185	0.8603	-5.325		PASS
IEEE 802.11ac_80	155	-11.251	1.6027	-9.648		PASS

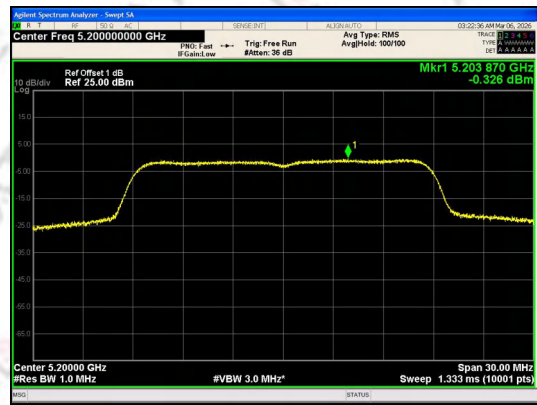
Note:Corr'd PSD=Meas PSD+Duty Cycle Factor (dB).

Duty cycle factor=10*log (1/duty cycle).





IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



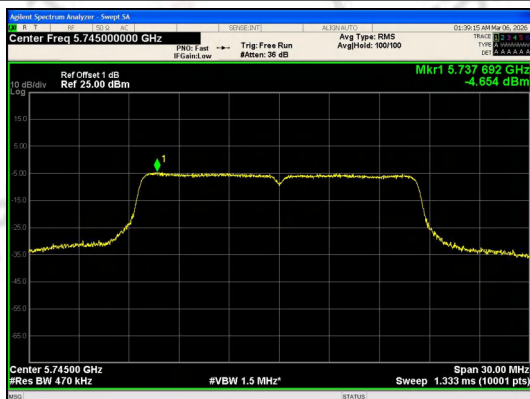
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



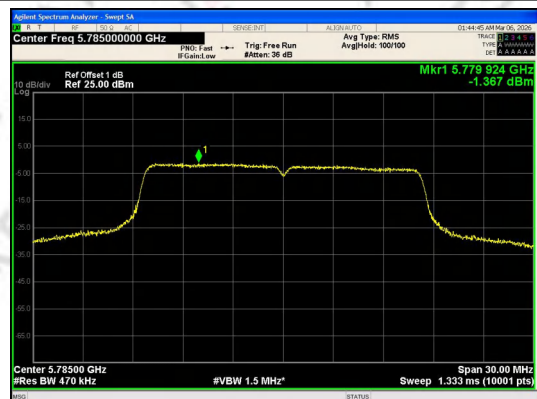
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



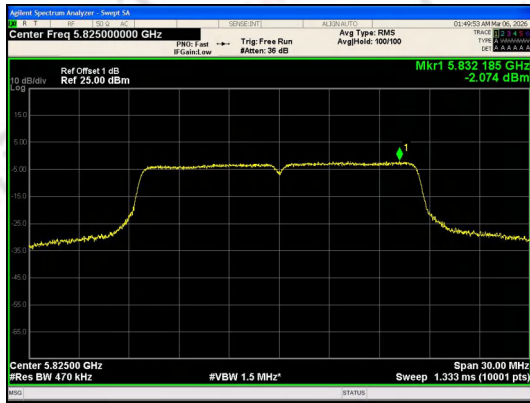
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



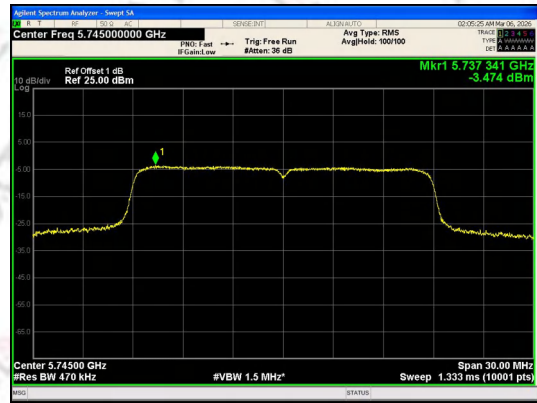
IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0



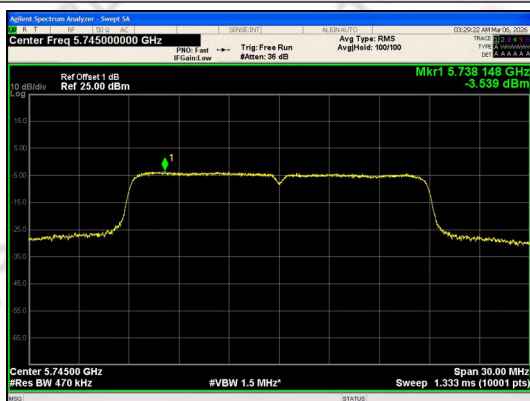
IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0

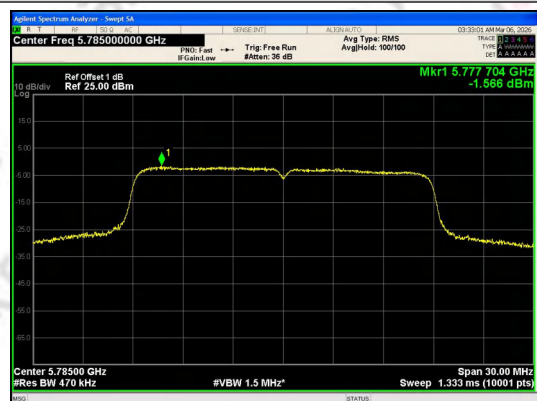


IEEE 802.11n_Channel 159_40MHz_Antenna 0



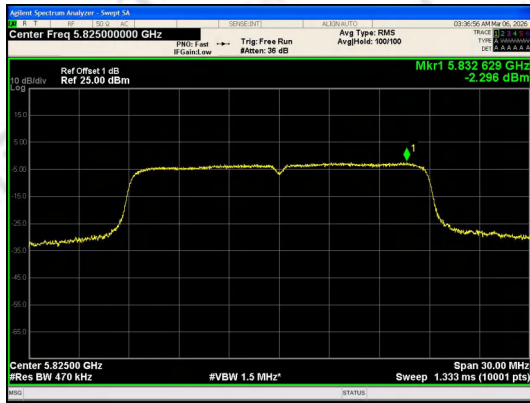
IEEE 802.11ac_Channel 149_20MHz_Antenna

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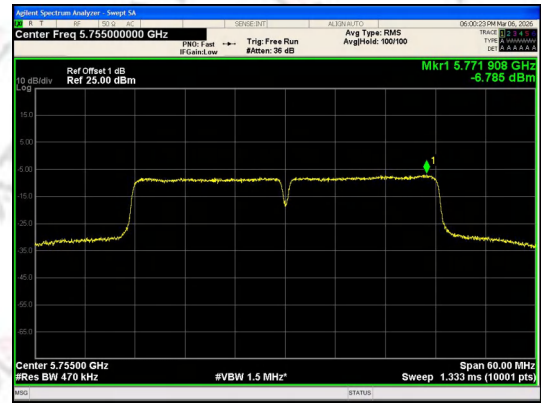
IEEE 802.11ac_Channel 157_20MHz_Antenna

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IEEE 802.11ac_Channel 165_20MHz_Antenna

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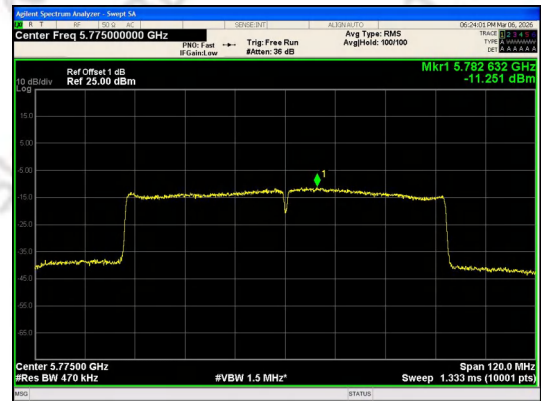
IEEE 802.11ac_Channel 151_40MHz_Antenna

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IEEE 802.11ac_Channel 159_40MHz_Antenna

0



IEEE 802.11ac_Channel 155_80MHz_Antenna

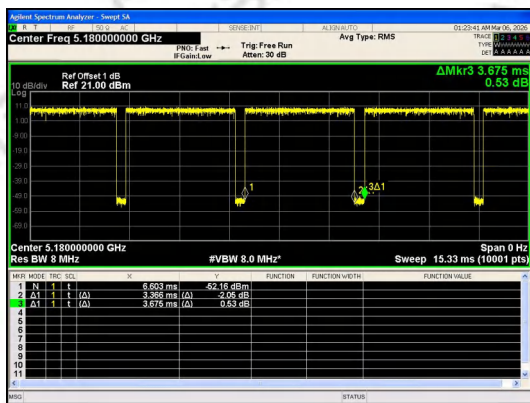
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D5.Duty Cycle

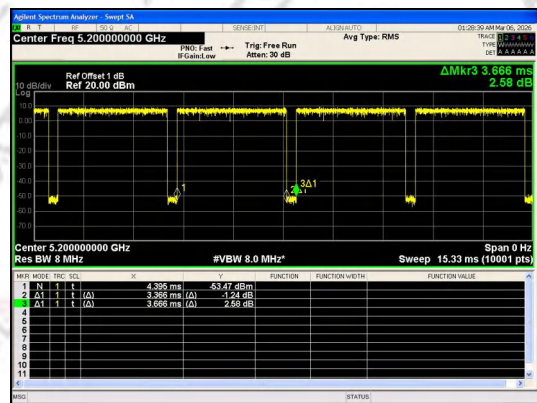
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	36	0	3.366	3.675	91.57	0.9157	0.3825
		40		3.366	3.666	91.80	0.9180	0.3716
		48		3.367	3.659	92.04	0.9204	0.3602
IEEE 802.11n_20	36	2.816		3.110	90.55	0.9055	0.4311	
	40	2.818		3.102	90.86	0.9086	0.4163	
	48	2.818		3.111	90.59	0.9059	0.4292	
IEEE 802.11n_40	38	1.376		1.669	82.44	0.8244	0.8386	
	46	1.376		1.687	81.56	0.8156	0.8852	
IEEE 802.11ac_20	MCS 0	36		2.826	3.117	90.65	0.9065	0.4263
		40		2.826	3.136	90.12	0.9012	0.4518
		48		2.826	3.117	90.65	0.9065	0.4263
IEEE 802.11ac_40	38	1.383		1.695	81.59	0.8159	0.8836	
	46	1.384		1.677	82.53	0.8253	0.8339	
IEEE 802.11ac_80		42			0.661	0.956	69.10	0.6910

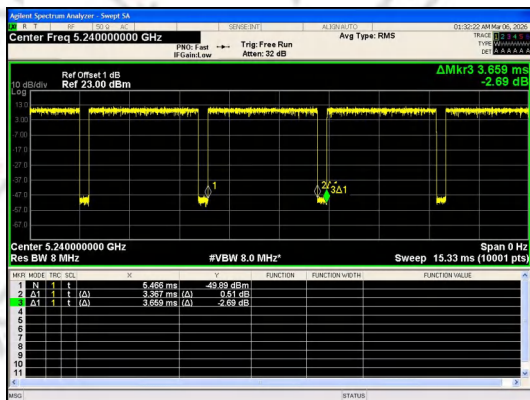
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	0	3.366	3.649	92.23	0.9223	0.3513
		157		3.366	3.649	92.23	0.9223	0.3513
		165		3.367	3.659	92.04	0.9204	0.3602
IEEE 802.11n_20	149	2.818		3.111	90.59	0.9059	0.4292	
	157	2.818		3.130	90.05	0.9005	0.4552	
	165	2.818		3.111	90.59	0.9059	0.4292	
IEEE 802.11n_40	151	1.375		1.687	81.51	0.8151	0.8879	
	159	1.376		1.669	82.44	0.8244	0.8386	
IEEE 802.11ac_20	MCS 0	149		2.826	3.117	90.65	0.9065	0.4263
		157		2.826	3.119	90.61	0.9061	0.4282
		165		2.826	3.119	90.61	0.9061	0.4282
IEEE 802.11ac_40		151		1.383	1.695	81.59	0.8159	0.8836
		159		1.383	1.686	82.03	0.8203	0.8603
IEEE 802.11ac_80		155		0.661	0.956	69.14	0.6914	1.6027



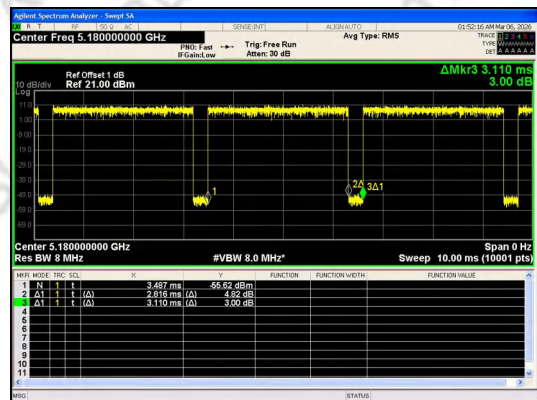
IEEE 802.11a_20MHz_Channel 36



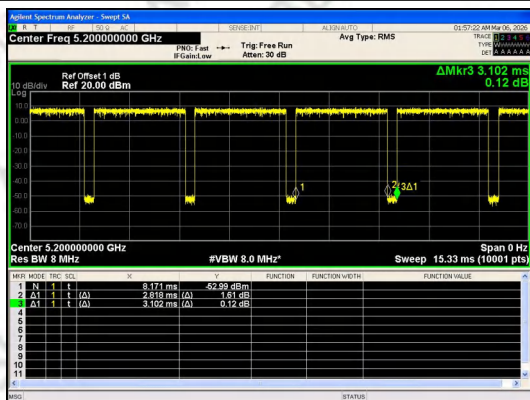
IEEE 802.11a_20MHz_Channel 40



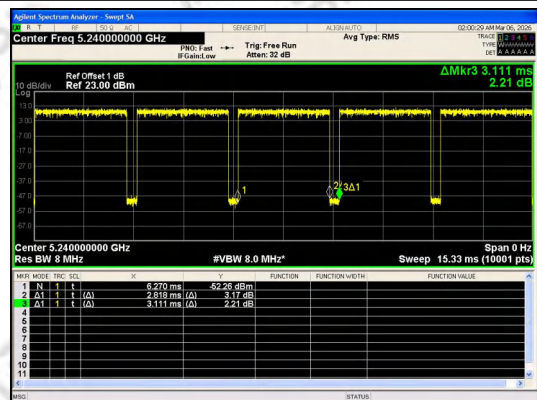
IEEE 802.11a_20MHz_Channel 48



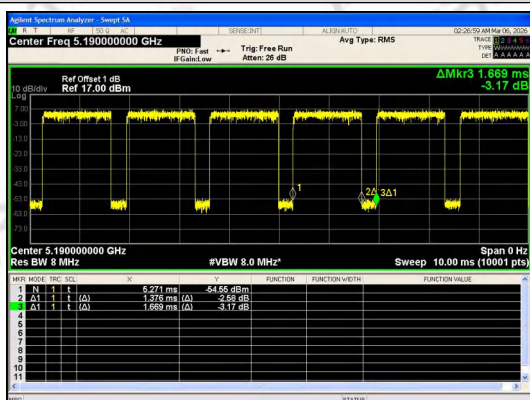
IEEE 802.11n_20MHz_Channel 36



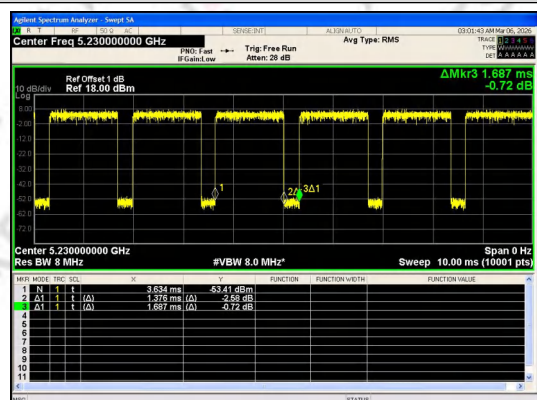
IEEE 802.11n_20MHz_Channel 40



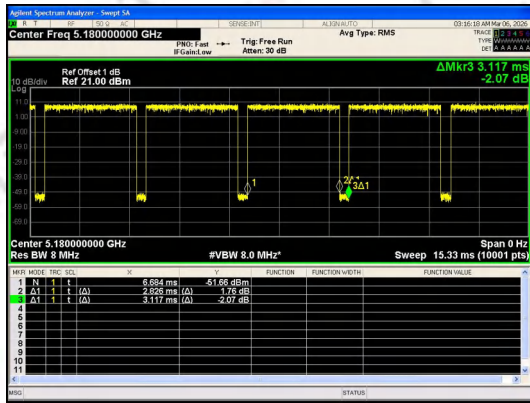
IEEE 802.11n_20MHz_Channel 48



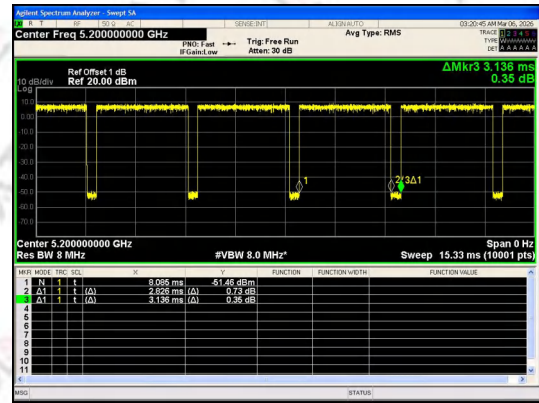
IEEE 802.11n_40MHz_Channel 38



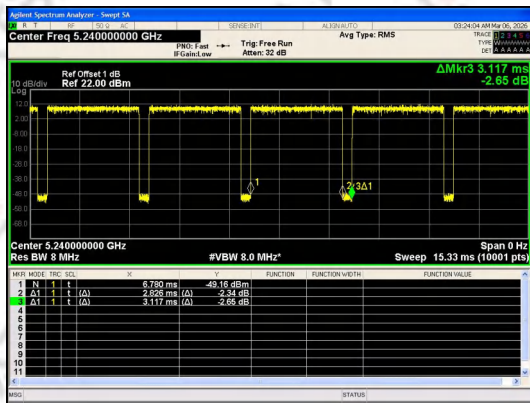
IEEE 802.11n_40MHz_Channel 46



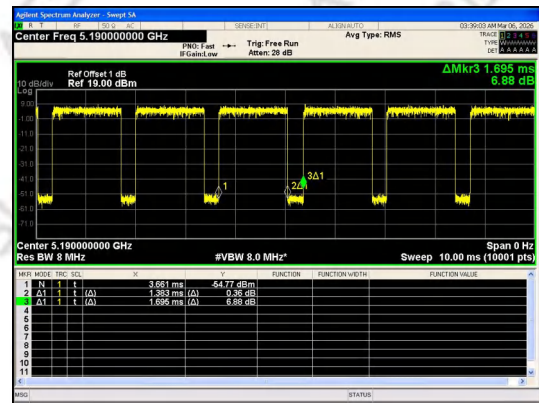
IEEE 802.11ac_20MHz_Channel 36



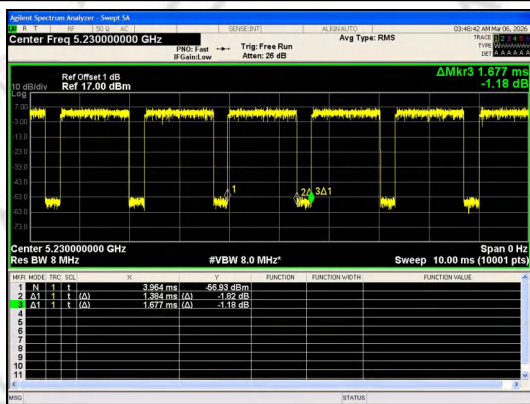
IEEE 802.11ac_20MHz_Channel 40



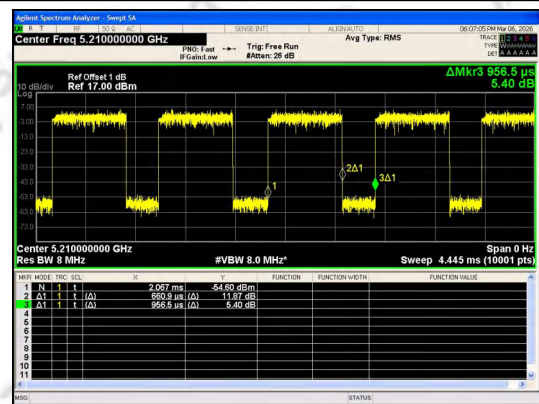
IEEE 802.11ac_20MHz_Channel 48



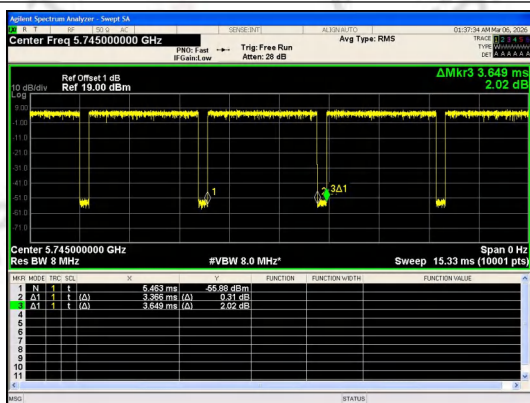
IEEE 802.11ac_40MHz_Channel 38



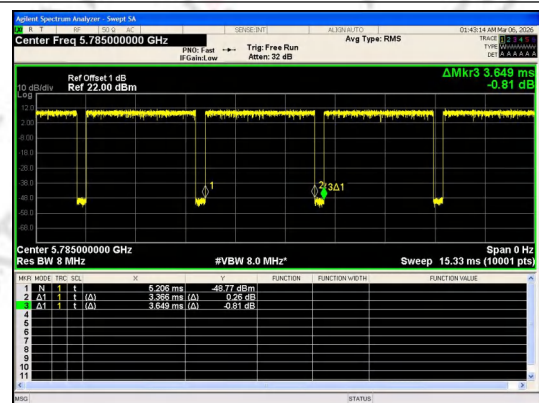
IEEE 802.11ac_40MHz_Channel 46



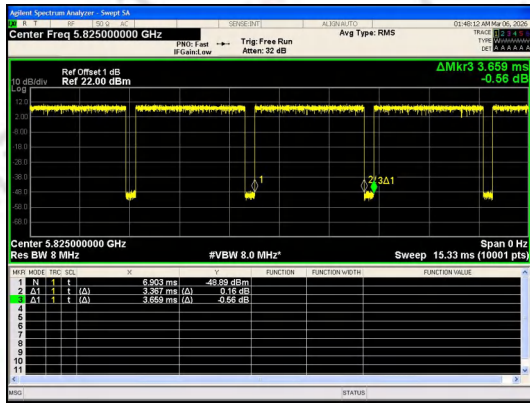
IEEE 802.11ac_80MHz_Channel 42



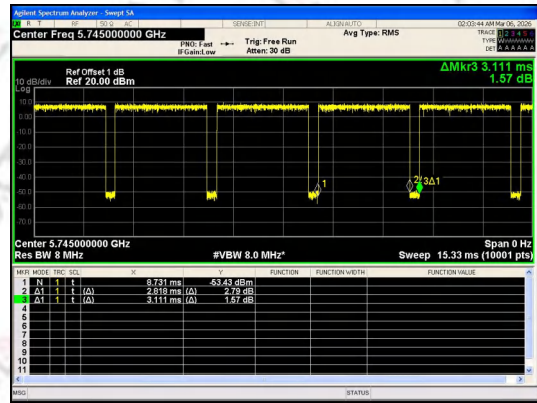
IEEE 802.11a_20MHz_Channel 149



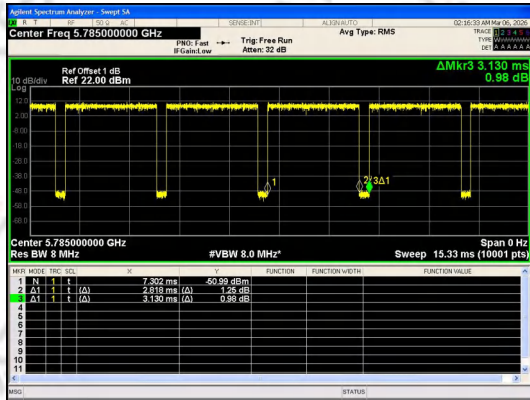
IEEE 802.11a_20MHz_Channel 157



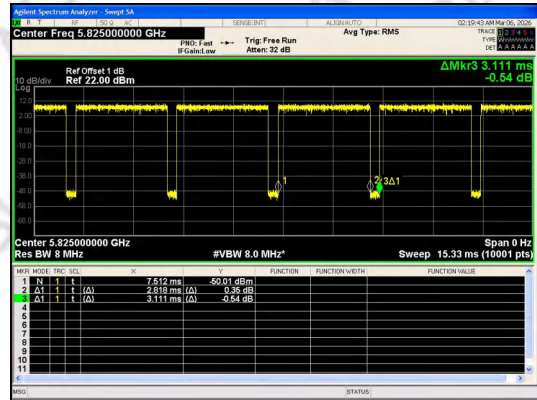
IEEE 802.11a_20MHz_Channel 165



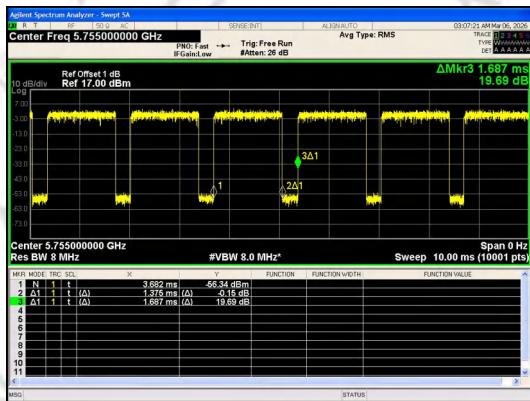
IEEE 802.11n_20MHz_Channel 149



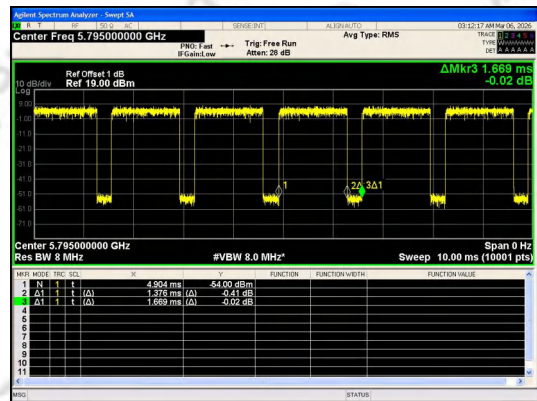
IEEE 802.11n_20MHz_Channel 157



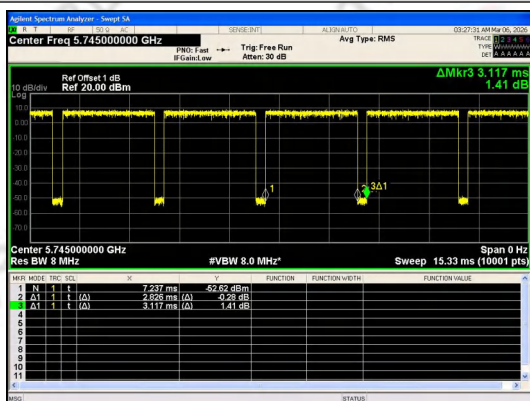
IEEE 802.11n_20MHz_Channel 165



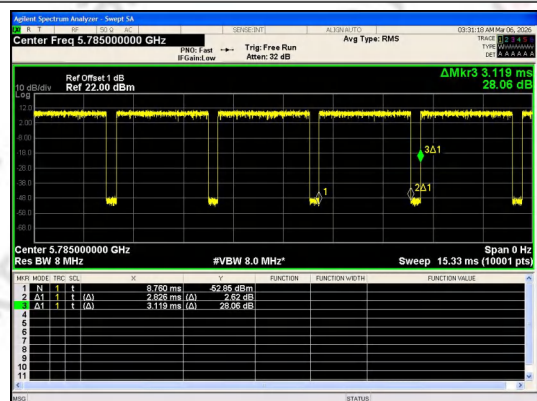
IEEE 802.11n_40MHz_Channel 151



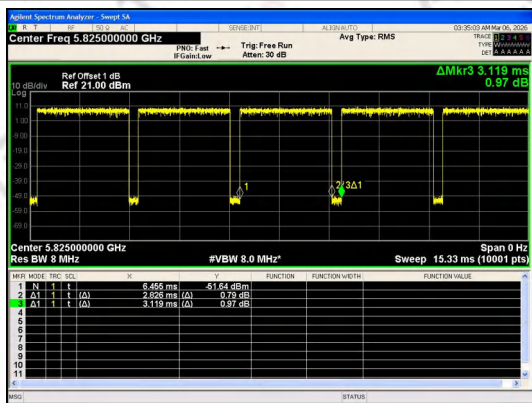
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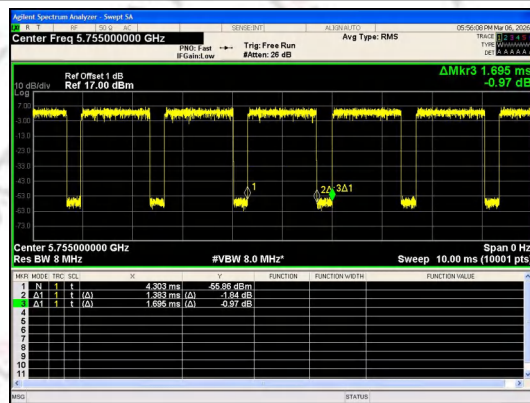
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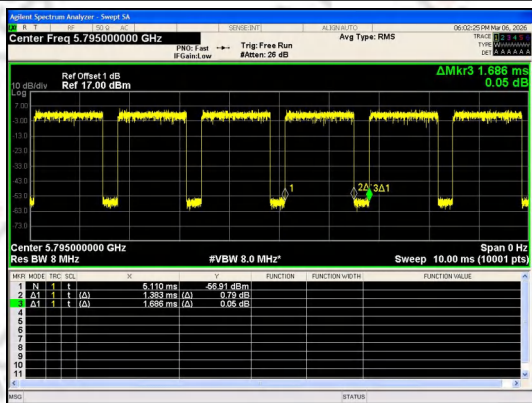
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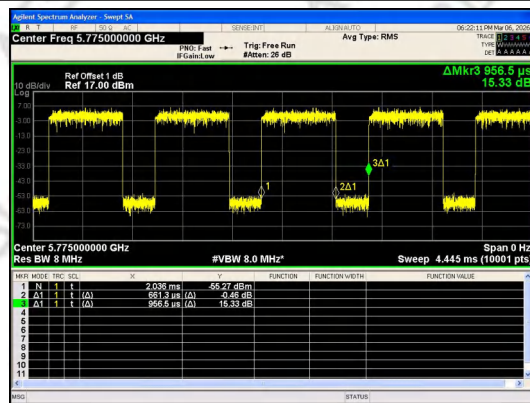
IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



IEEE 802.11ac_80MHz_Channel 155

*****END*****