

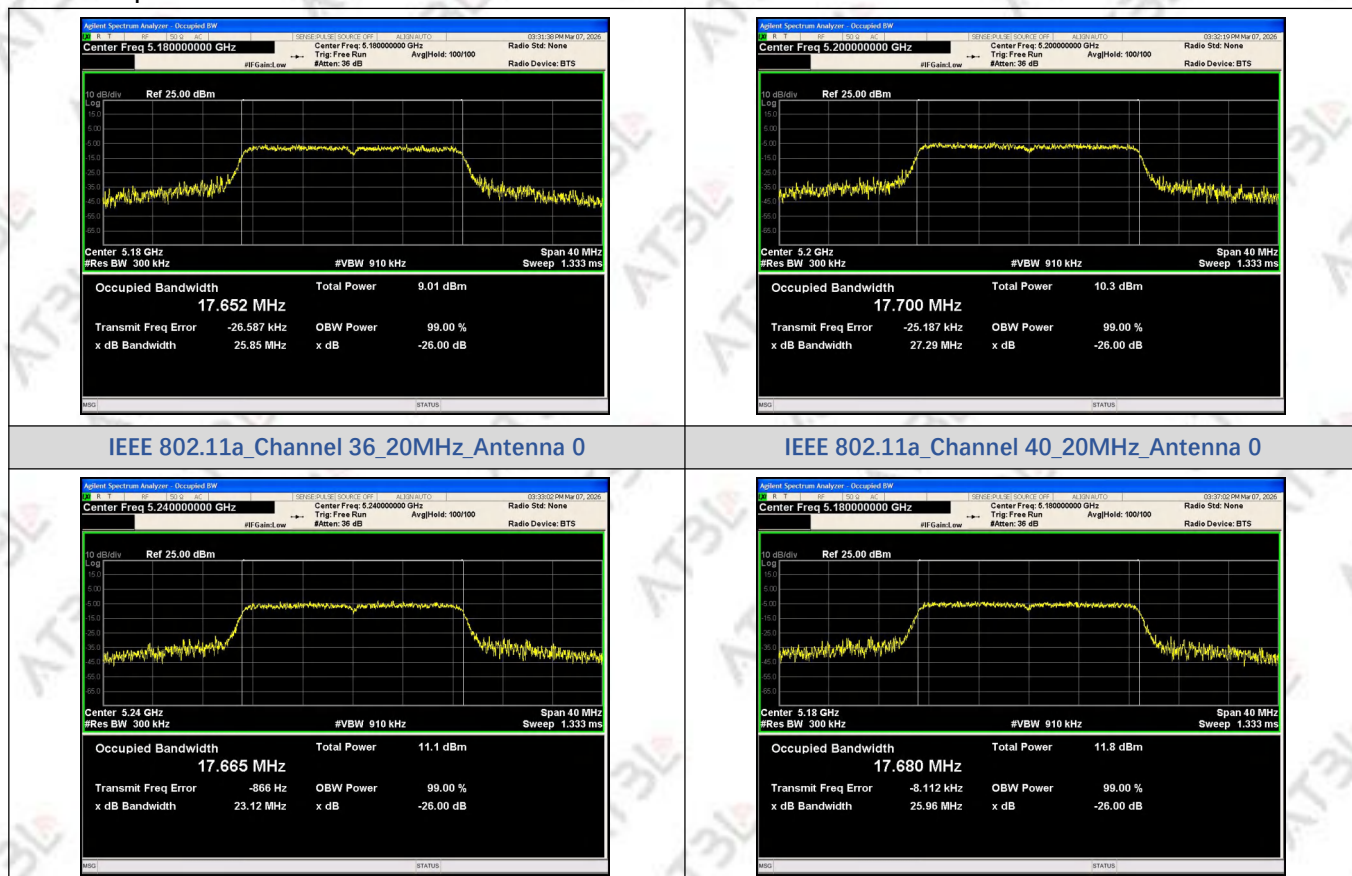
D1.Emission Bandwidth

26dB Bandwidth

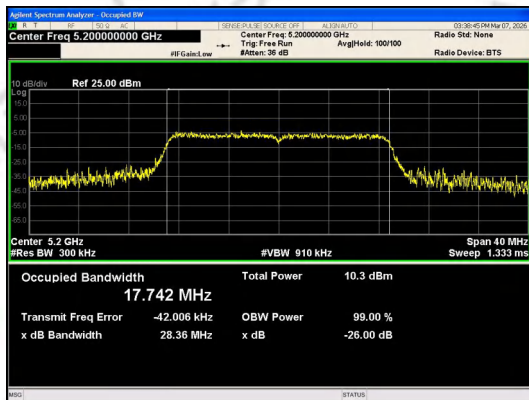
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	0	5180	25.85
	40		5200	27.79
	48		5240	23.12
IEEE 802.11n_20	36		5180	25.96
	40		5200	28.36
	48		5240	26.66
IEEE 802.11n_40	38		5190	46.86
	46		5230	44.51
IEEE 802.11ac_20	36		5180	26.05
	40		5200	24.08
	48		5240	24.93
IEEE 802.11ac_40	38		5190	41.96
	46		5230	41.42
IEEE 802.11ac_80	42		5210	85.31

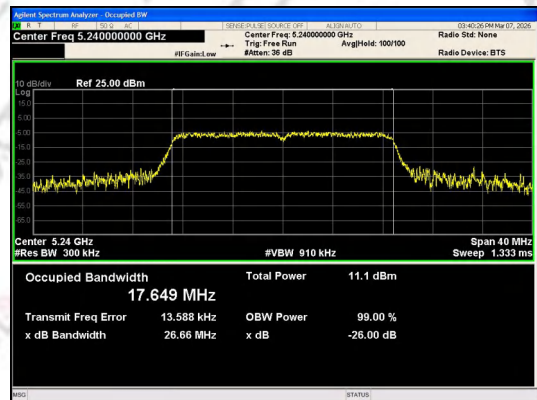
Test Graphs



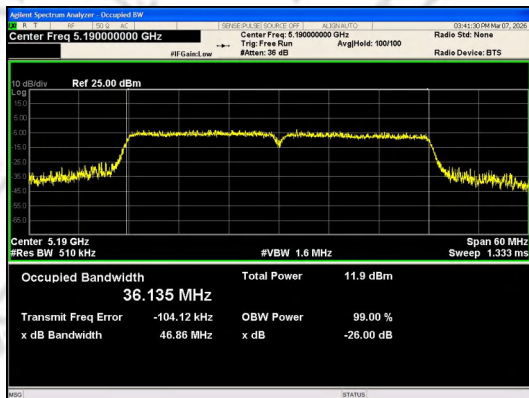
IEEE 802.11a_Channel 48_20MHz_Antenna 0



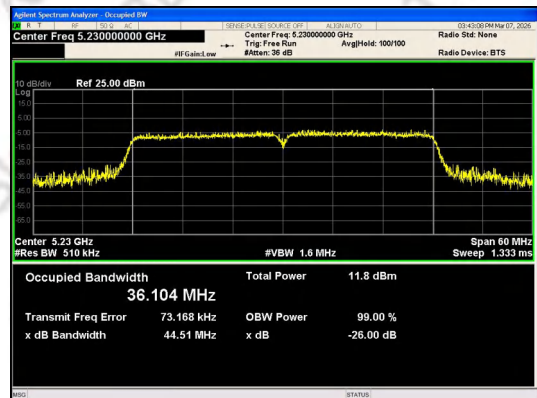
IEEE 802.11n_Channel 36_20MHz_Antenna 0



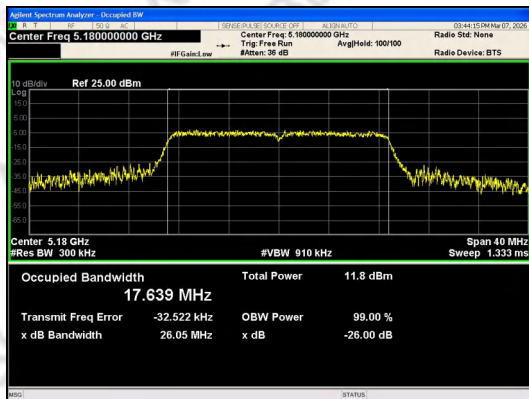
IEEE 802.11n_Channel 40_20MHz_Antenna 0



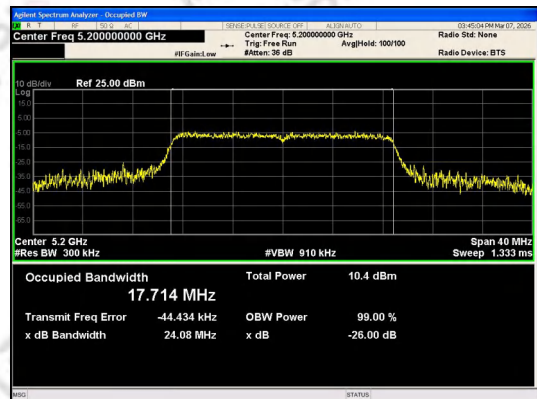
IEEE 802.11n_Channel 48_20MHz_Antenna 0



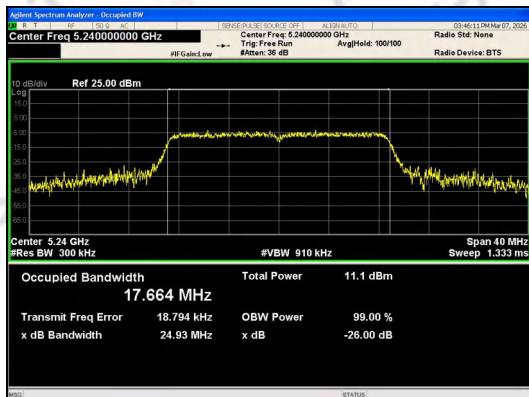
IEEE 802.11n_Channel 38_40MHz_Antenna 0



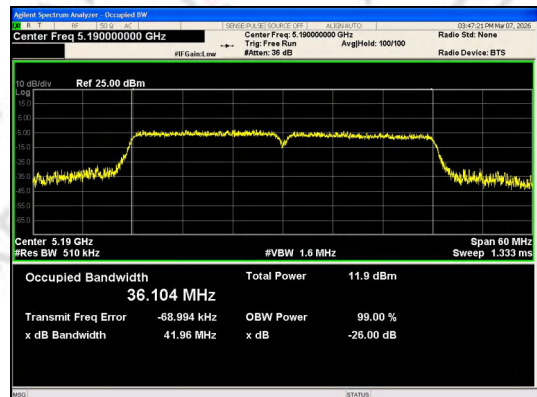
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0

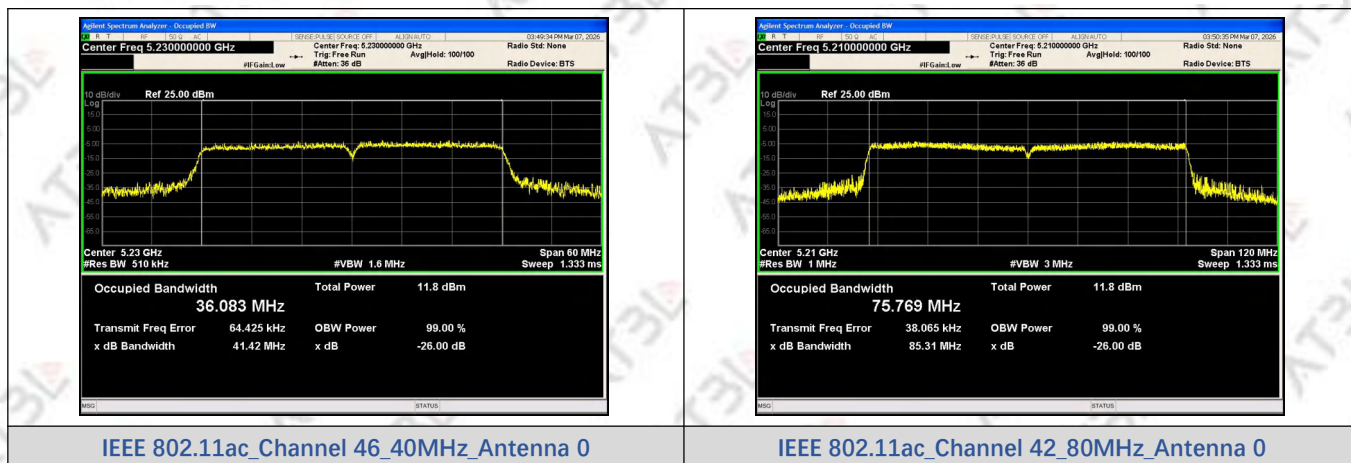


IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



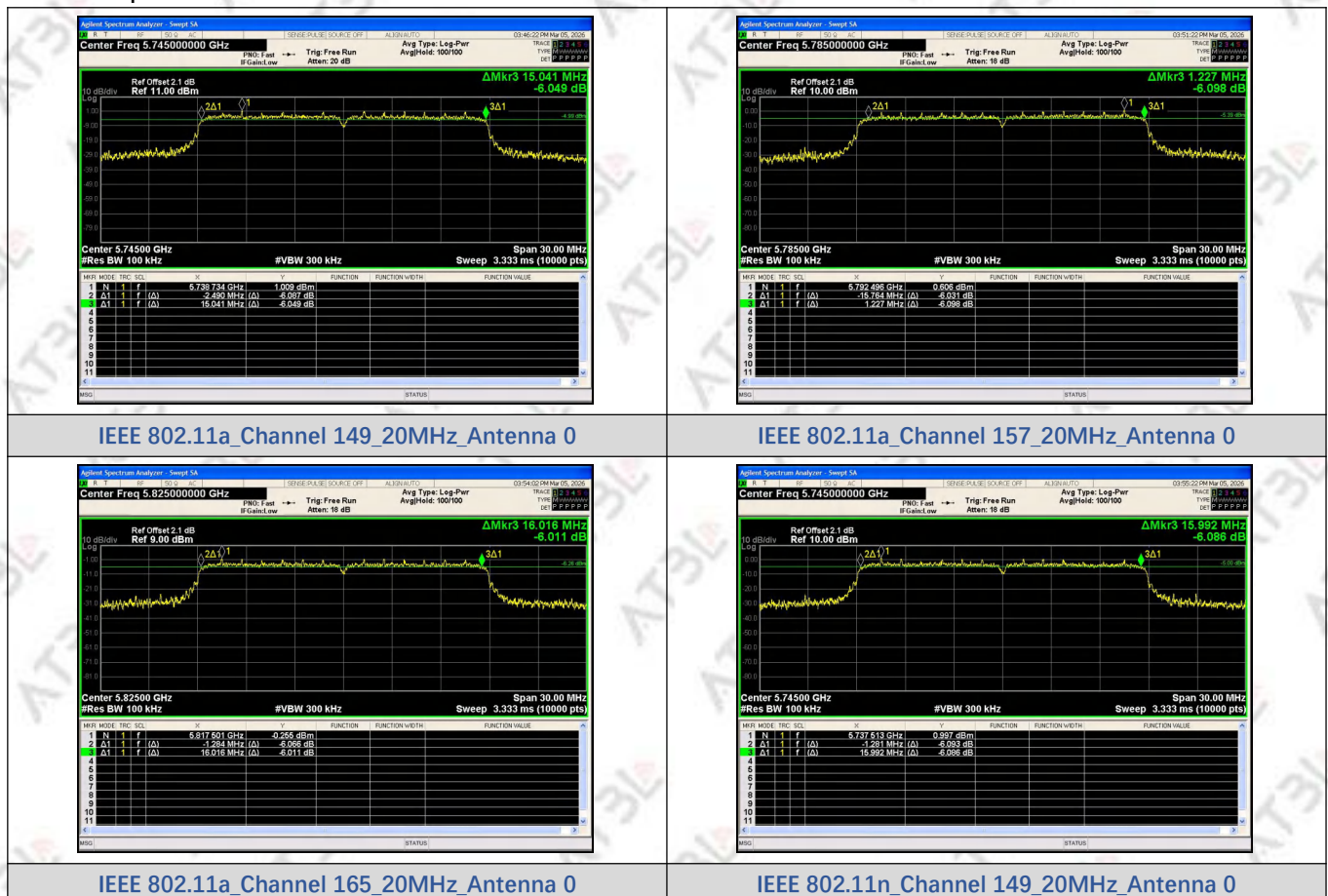
D2.Minimum Emission Bandwidth for the band 5.725–5.85 GHz

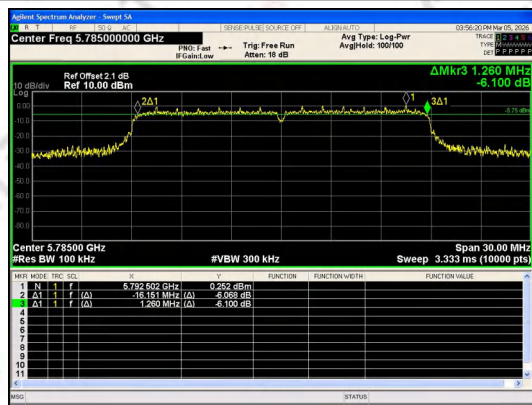
6dB Bandwidth

Test Result

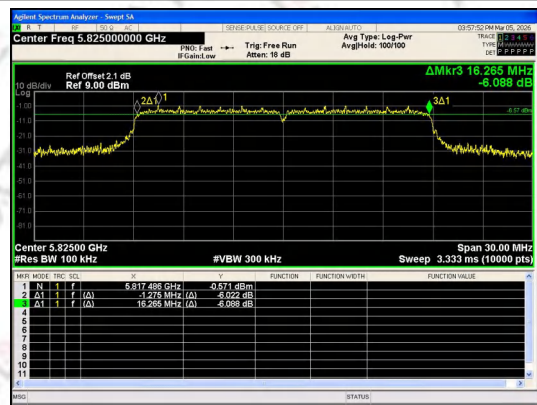
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	17.53	≥0.5	PASS
	157		5785	16.99		PASS
	165		5825	17.30		PASS
IEEE 802.11n_20	149		5745	17.27		PASS
	157		5785	17.41		PASS
	165		5825	17.54		PASS
IEEE 802.11n_40	151		5755	36.17		PASS
	159		5795	35.55		PASS
IEEE 802.11ac_20	149		5745	17.25		PASS
	157		5785	17.27		PASS
	165		5825	17.50		PASS
IEEE 802.11ac_40	151		5755	35.92		PASS
	159		5795	35.77		PASS
IEEE 802.11ac_80	155		5775	73.61		PASS

Test Graphs

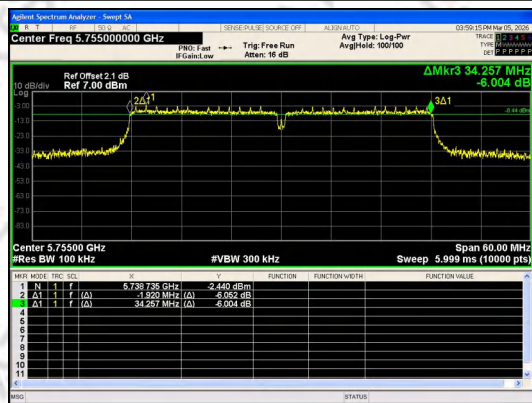




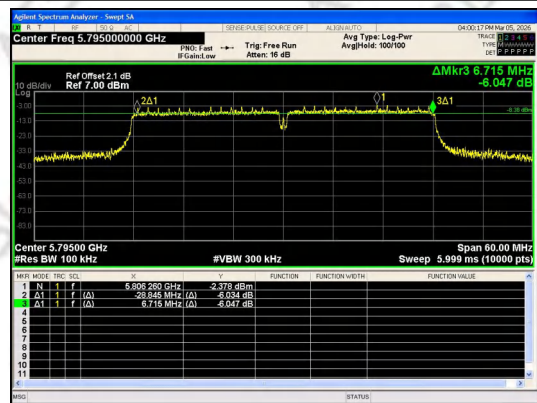
IEEE 802.11n_Channel 157_20MHz_Antenna 0



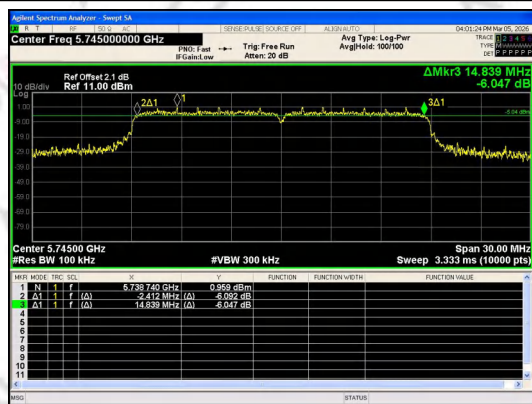
IEEE 802.11n_Channel 165_20MHz_Antenna 0



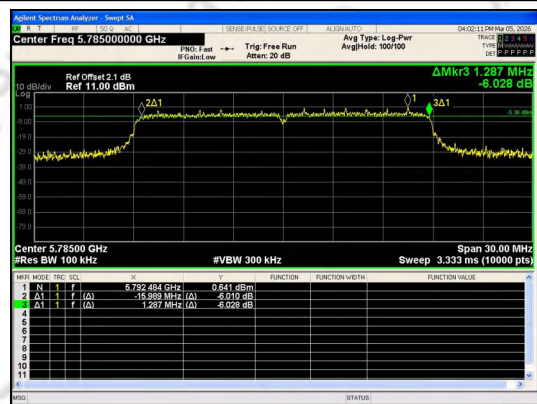
IEEE 802.11n_Channel 151_40MHz_Antenna 0



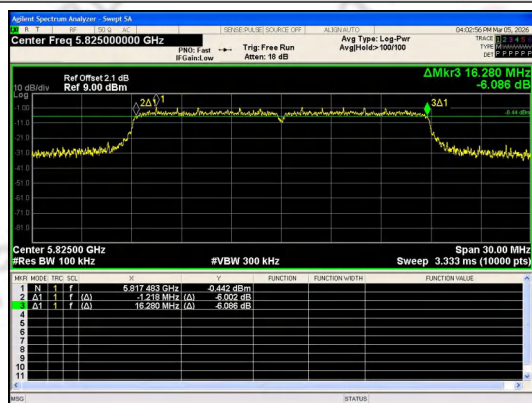
IEEE 802.11n_Channel 159_40MHz_Antenna 0



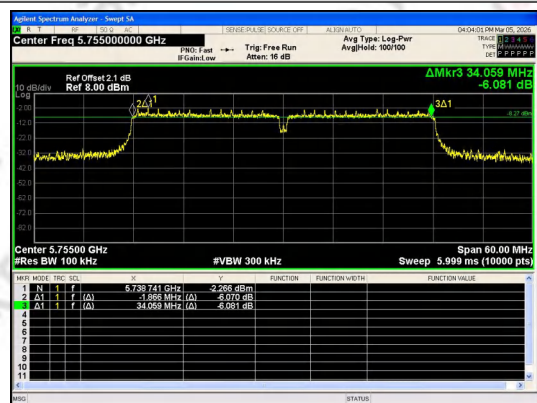
IEEE 802.11ac Channel 149 20MHz Antenna 0



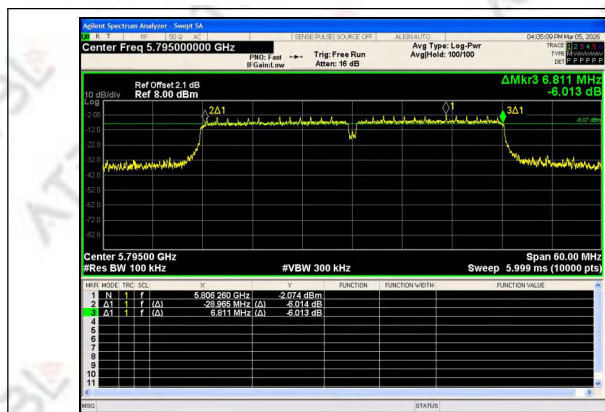
IEEE 802.11ac Channel 157 20MHz Antenna 0



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	13.17	≤23.97	PASS
	40	12.09	≤23.97	PASS
	48	13.29	≤23.97	PASS
IEEE 802.11n_20	36	13.62	≤23.97	PASS
	40	12.57	≤23.97	PASS
	48	13.56	≤23.97	PASS
IEEE 802.11n_40	38	12.83	≤23.97	PASS
	46	12.91	≤23.97	PASS
IEEE 802.11ac_20	36	13.5	≤23.97	PASS
	40	12.55	≤23.97	PASS
	48	13.48	≤23.97	PASS
IEEE 802.11ac_40	38	12.84	≤23.97	PASS
	46	12.98	≤23.97	PASS
IEEE 802.11ac_80	42	12.91	≤23.97	PASS

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	11.05	≤30	PASS
	157	10.93	≤30	PASS
	165	10.09	≤30	PASS
IEEE 802.11n_20	149	11.28	≤30	PASS
	157	10.78	≤30	PASS
	165	10.45	≤30	PASS
IEEE 802.11n_40	151	10.4	≤30	PASS
	159	10.49	≤30	PASS
IEEE 802.11ac_20	149	11.02	≤30	PASS
	157	10.72	≤30	PASS
	165	10.31	≤30	PASS
IEEE 802.11ac_40	151	10.4	≤30	PASS
	159	10.59	≤30	PASS
IEEE 802.11ac_80	155	10.63	≤30	PASS

D4.Power Spectral Density

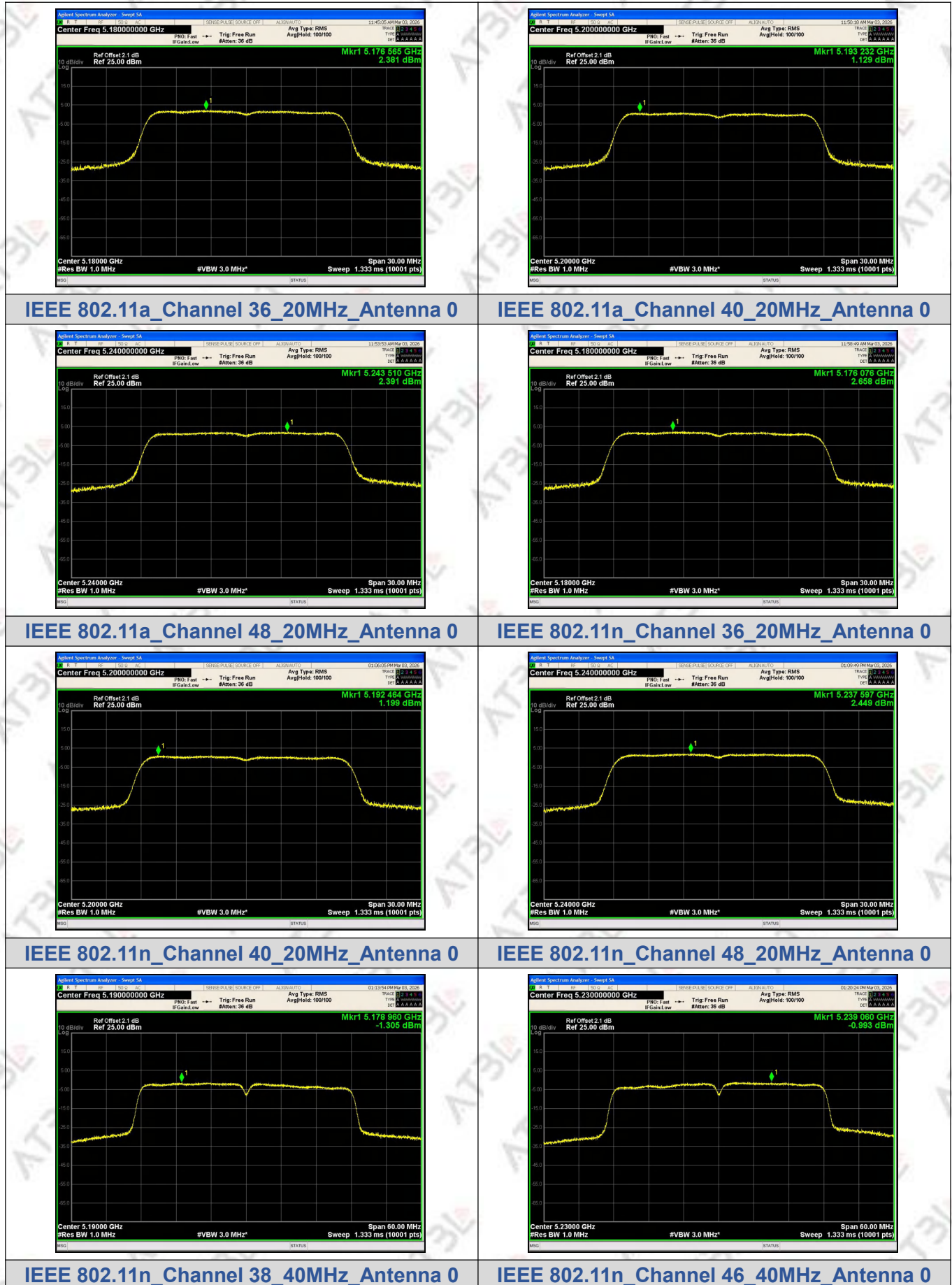
Test Result

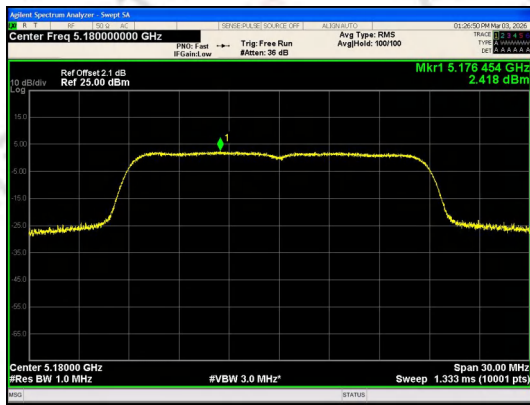
Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	2.381	0.1588	2.54	11	PASS
	40	1.129	0.1588	1.288		PASS
	48	2.391	0.1588	2.55		PASS
IEEE 802.11n_20	36	2.658	0.1913	2.849		PASS
	40	1.199	0.1913	1.39		PASS
	48	2.449	0.1913	2.64		PASS
IEEE 802.11n_40	38	-1.305	0.3791	-0.926		PASS
	46	-0.993	0.3773	-0.616		PASS
IEEE 802.11ac_20	36	2.418	0.19	2.608		PASS
	40	1.401	0.19	1.591		PASS
	48	2.697	0.1932	2.89		PASS
IEEE 802.11ac_40	38	-1.092	0.3744	-0.718		PASS
	46	-0.890	0.3768	-0.513		PASS
IEEE 802.11ac_80	42	-4.498	0.7109	-3.787		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	-3.074	0.1588	-2.915	30	PASS
	157	-3.405	0.1588	-3.246		PASS
	165	-4.149	0.1588	-3.99		PASS
IEEE 802.11n_20	149	-3.145	0.1913	-2.954		PASS
	157	-3.762	0.1913	-3.571		PASS
	165	-4.205	0.1913	-4.014		PASS
IEEE 802.11n_40	151	-7.096	0.3773	-6.719		PASS
	159	-6.808	0.3739	-6.434		PASS
IEEE 802.11ac_20	149	-3.493	0.19	-3.303		PASS
	157	-3.906	0.1904	-3.716		PASS
	165	-4.482	0.1904	-4.292		PASS
IEEE 802.11ac_40	151	-7.358	0.3768	-6.981		PASS
	159	-6.559	0.3744	-6.185		PASS
IEEE 802.11ac_80	155	-10.353	0.7109	-9.642		PASS

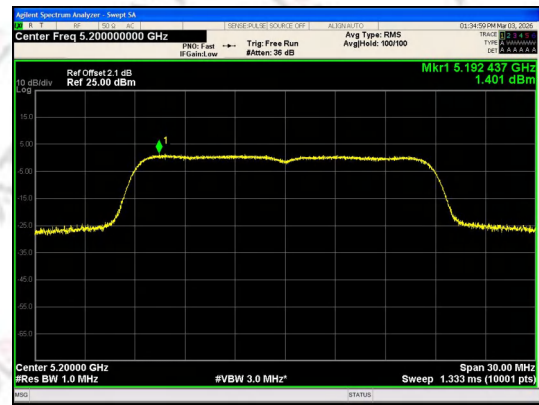
Note:Corr'd PSD=Meas PSD+Duty Cycle Factor (dB).

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





IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 40_20MHz_Antenna 0



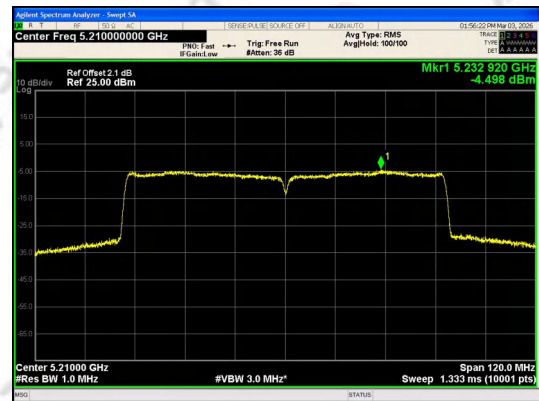
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



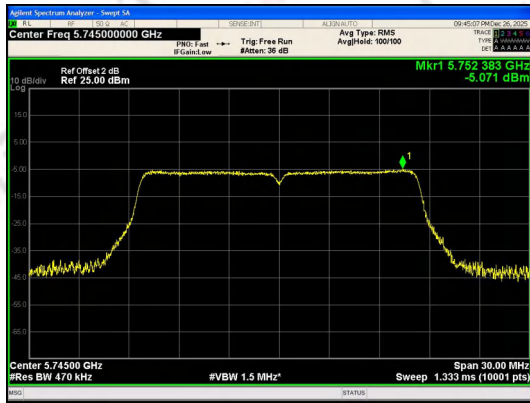
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



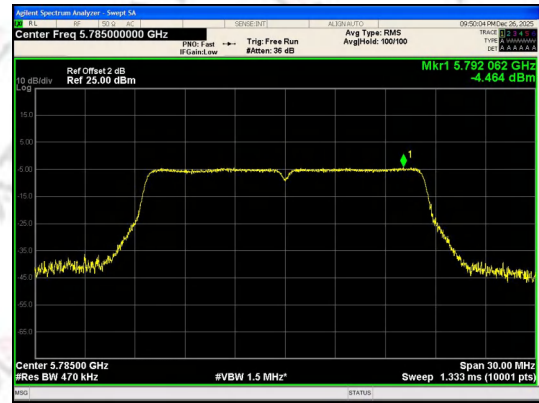
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



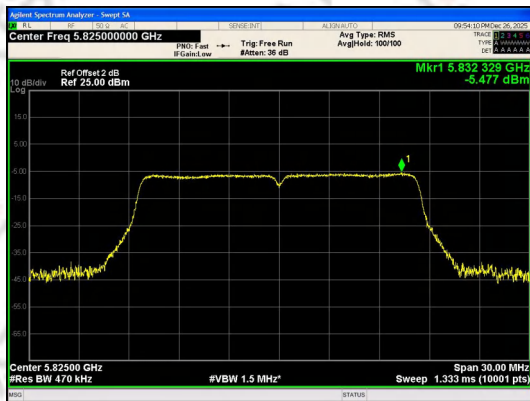
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



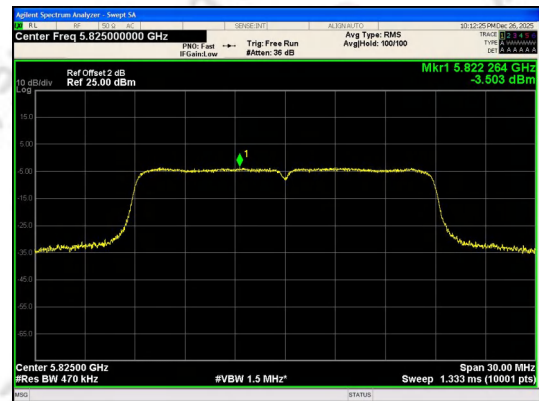
IEEE 802.11a_Channel 165_20MHz_Antenna 0



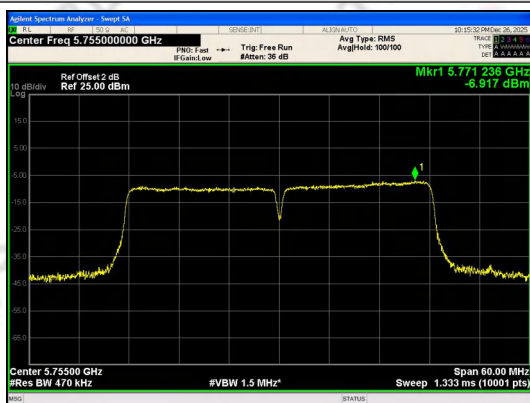
IEEE 802.11n_Channel 149_20MHz_Antenna 0



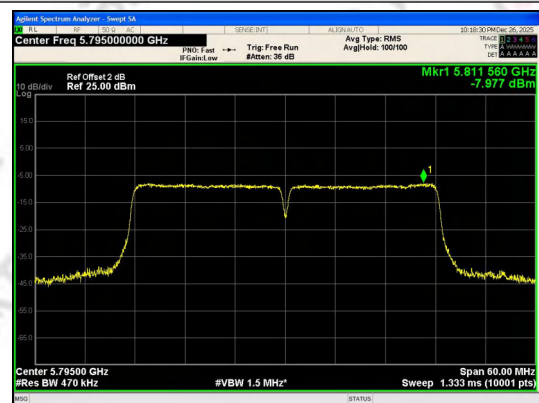
IEEE 802.11n_Channel 157_20MHz_Antenna 0



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

0



IEEE 802.11ac_Channel 157_20MHz_Antenna

0



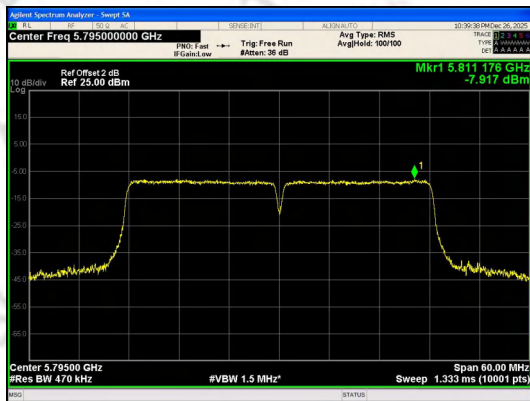
IEEE 802.11ac_Channel 165_20MHz_Antenna

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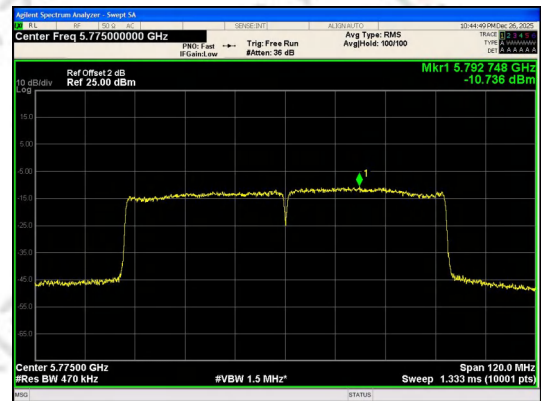
IEEE 802.11ac_Channel 151_40MHz_Antenna

0



IEEE 802.11ac_Channel 159_40MHz_Antenna

0



IEEE 802.11ac_Channel 155_80MHz_Antenna

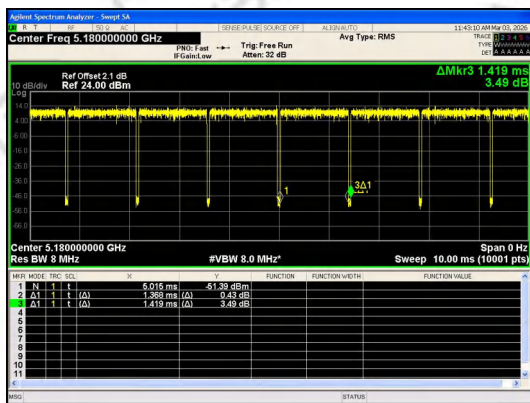
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D5.Duty Cycle

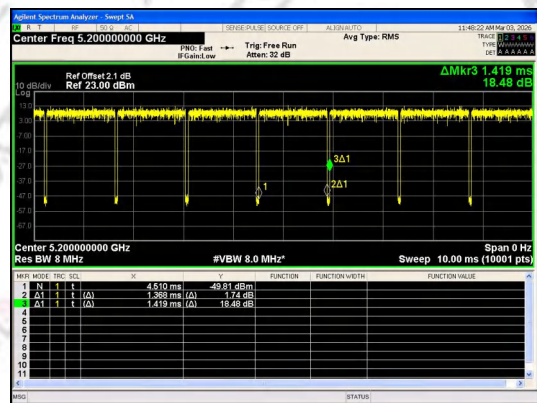
Test Result

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	1.368	1.419	96.41	0.9641	0.1588
		40		1.368	1.419	96.41	0.9641	0.1588
		48		1.368	1.419	96.41	0.9641	0.1588
IEEE 802.11n_20	36	1.155		1.207	95.69	0.9569	0.1913	
	40	1.155		1.207	95.69	0.9569	0.1913	
	48	1.155		1.207	95.69	0.9569	0.1913	
IEEE 802.11n_40	38	0.578		0.631	91.64	0.9164	0.3791	
	46	0.578		0.631	91.68	0.9168	0.3773	
IEEE 802.11ac_20	MCS 0	36		1.163	1.215	95.72	0.9572	0.19
		40		1.163	1.215	95.72	0.9572	0.19
		48		1.162	1.215	95.65	0.9565	0.1932
IEEE 802.11ac_40		38		0.582	0.635	91.74	0.9174	0.3744
		46		0.582	0.634	91.69	0.9169	0.3768
IEEE 802.11ac_80		42		0.293	0.345	84.90	0.8490	0.7109

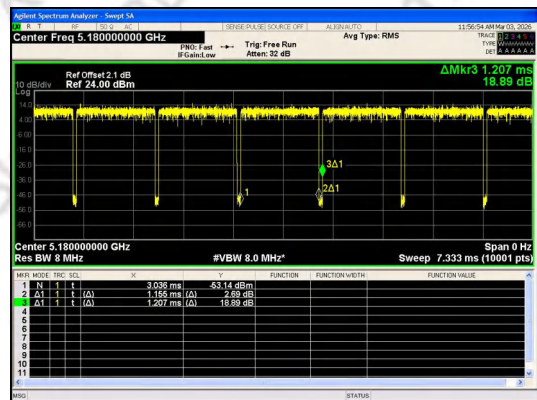
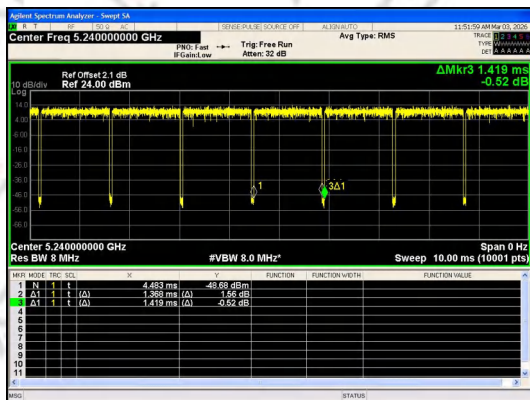
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	0	1.368	1.419	96.41	0.9641	0.1588
		157		1.368	1.419	96.41	0.9641	0.1588
		165		1.368	1.419	96.41	0.9641	0.1588
IEEE 802.11n_20	149	1.155		1.207	95.69	0.9569	0.1913	
	157	1.155		1.207	95.69	0.9569	0.1913	
	165	1.155		1.207	95.69	0.9569	0.1913	
IEEE 802.11n_40	151	0.578		0.630	91.68	0.9168	0.3773	
	159	0.578		0.630	91.75	0.9175	0.3739	
IEEE 802.11ac_20	MCS 0	149		1.163	1.215	95.72	0.9572	0.19
		157		1.162	1.214	95.71	0.9571	0.1904
		165		1.162	1.214	95.71	0.9571	0.1904
IEEE 802.11ac_40		151		0.582	0.634	91.69	0.9169	0.3768
		159		0.582	0.635	91.74	0.9174	0.3744
IEEE 802.11ac_80		155		0.293	0.345	84.90	0.8490	0.7109



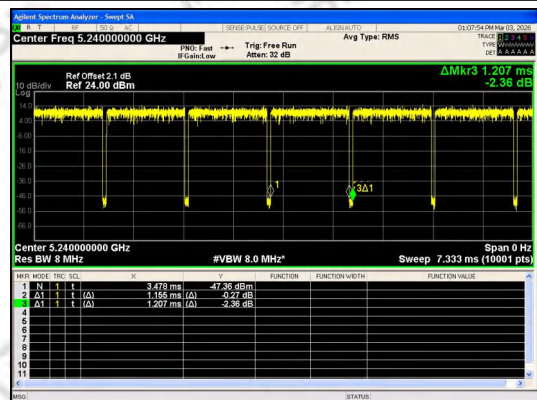
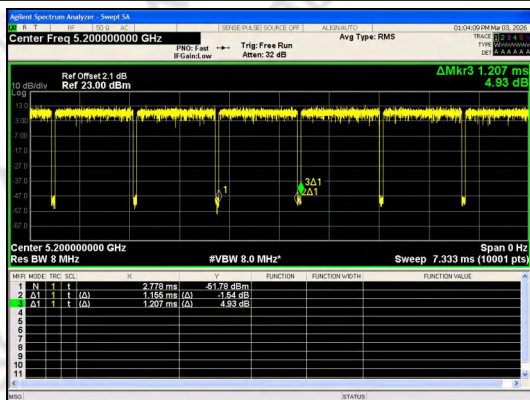
IEEE 802.11a_20MHz_Channel 36



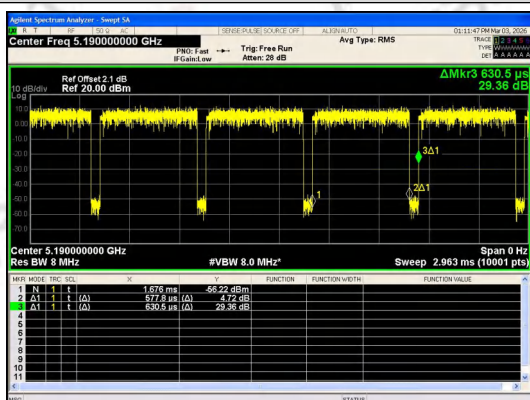
IEEE 802.11a_20MHz_Channel 40



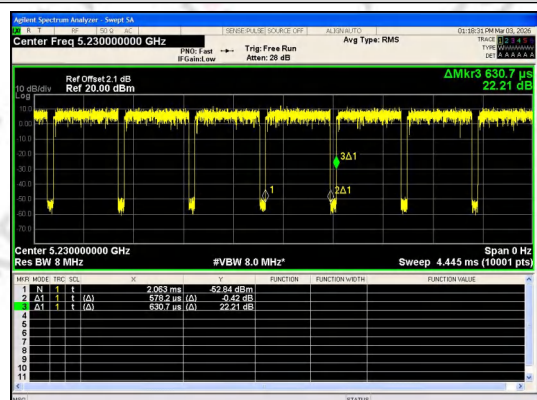
IEEE 802.11n_20MHz_Channel 36



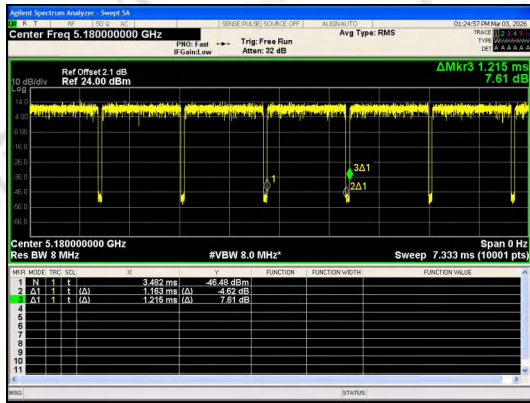
IEEE 802.11n_20MHz_Channel 48



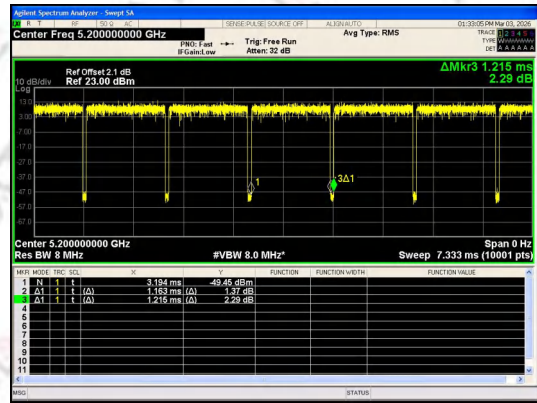
IEEE 802.11n_40MHz_Channel 38



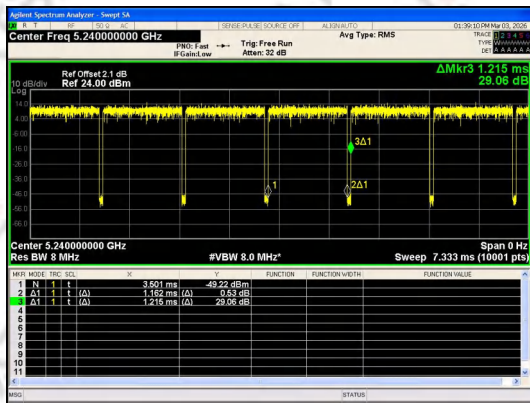
IEEE 802.11n_40MHz_Channel 46



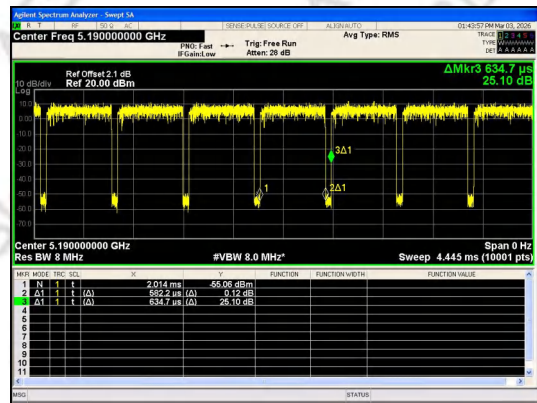
IEEE 802.11ac_20MHz_Channel 36



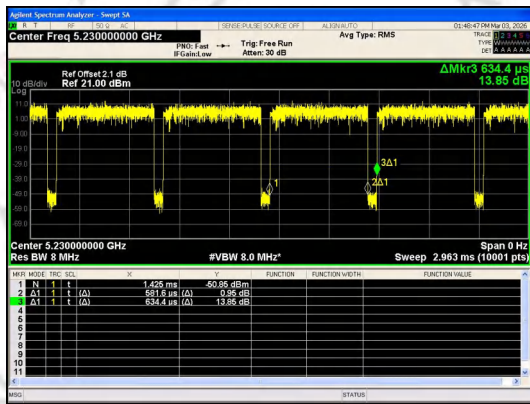
IEEE 802.11ac_20MHz_Channel 40



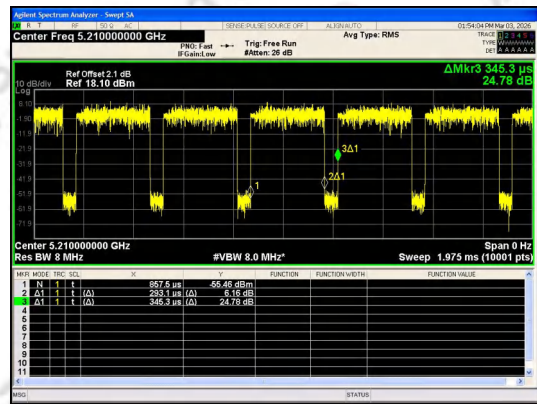
IEEE 802.11ac_20MHz_Channel 48



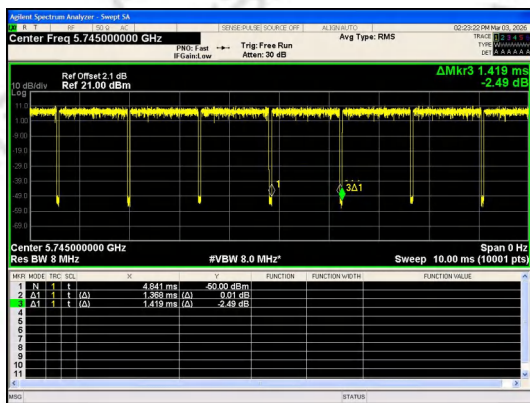
IEEE 802.11ac_40MHz_Channel 38



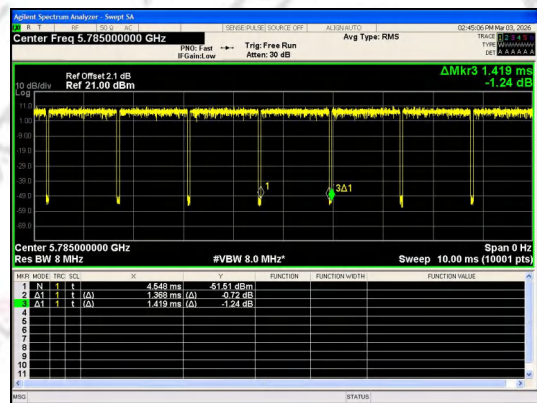
IEEE 802.11ac_40MHz_Channel 46



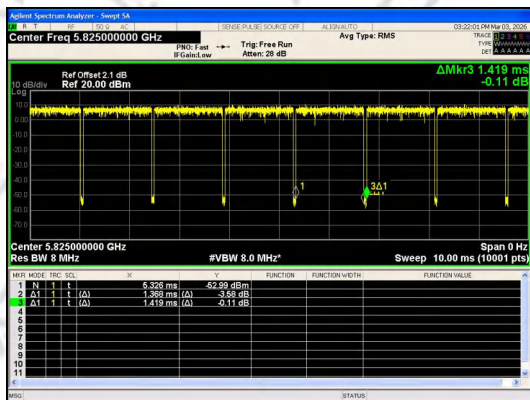
IEEE 802.11ac_80MHz_Channel 42



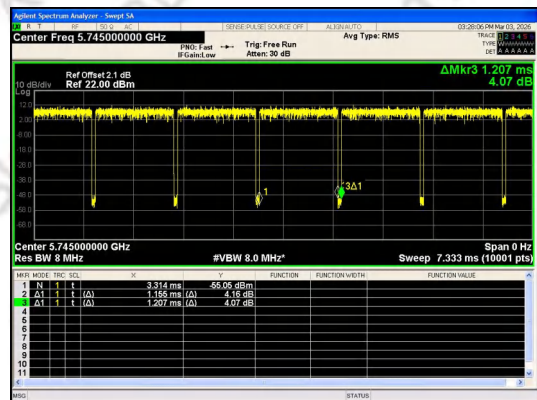
IEEE 802.11a_20MHz_Channel 149



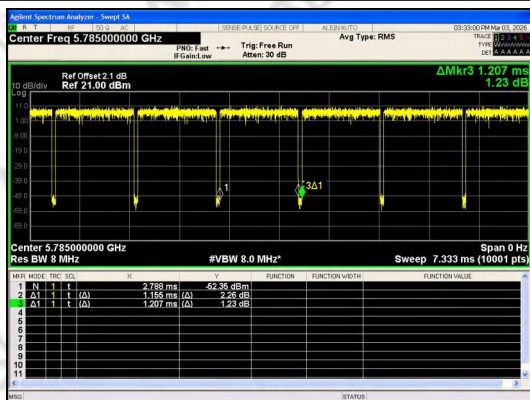
IEEE 802.11a_20MHz_Channel 157



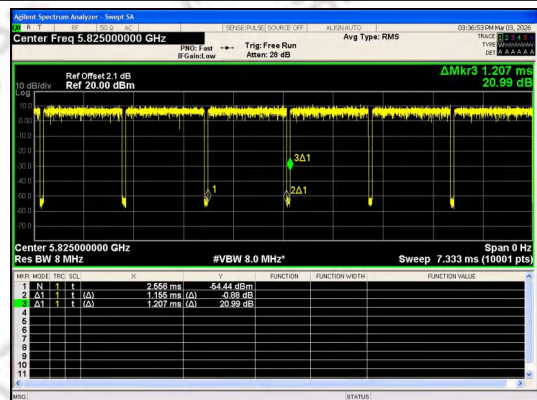
IEEE 802.11a_20MHz_Channel 165



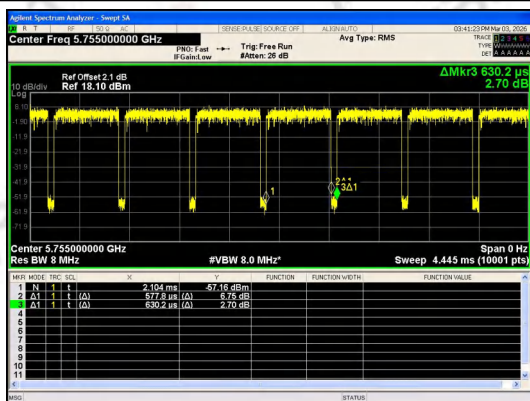
IEEE 802.11n_20MHz_Channel 149



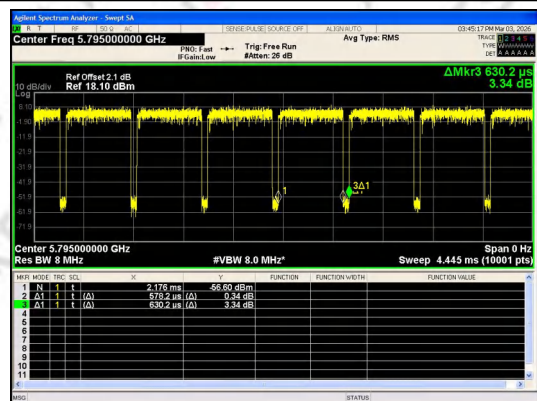
IEEE 802.11n_20MHz_Channel 157



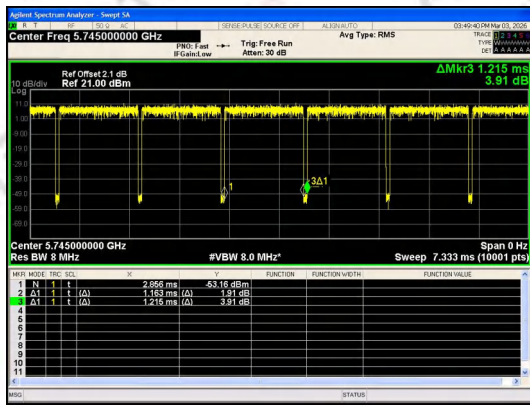
IEEE 802.11n_20MHz_Channel 165



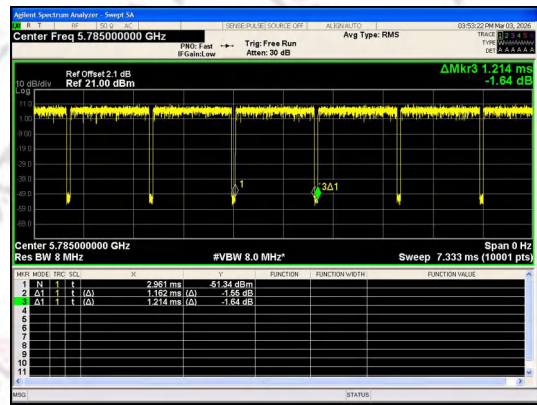
IEEE 802.11n_40MHz_Channel 151



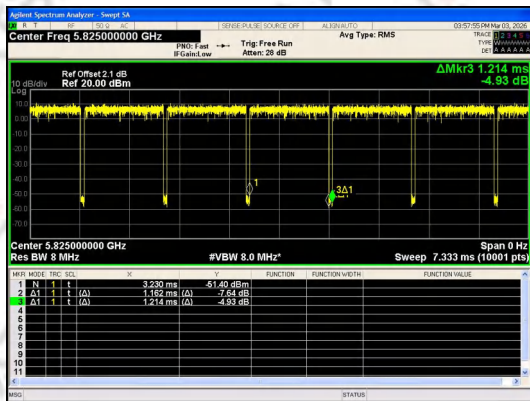
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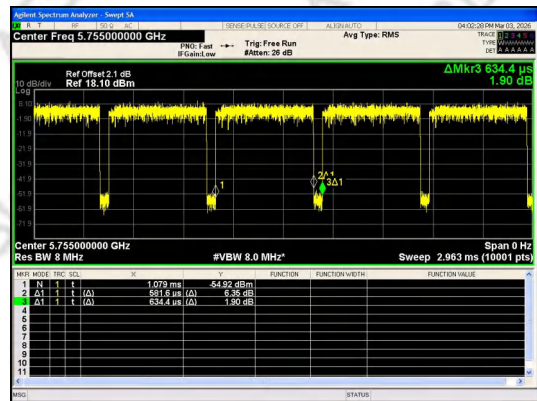
IEEE 802.11ac_20MHz_Channel 149



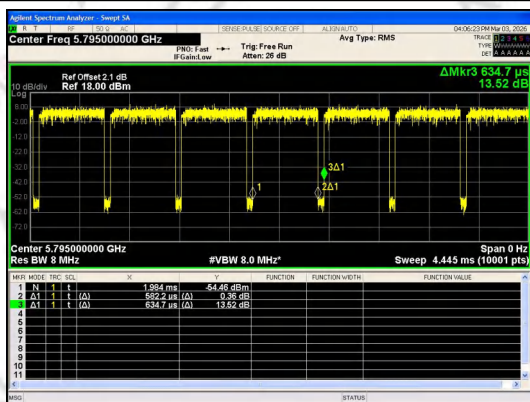
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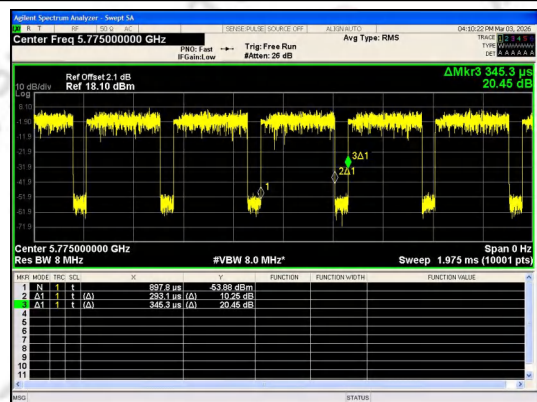
IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



IEEE 802.11ac_80MHz_Channel 155

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