

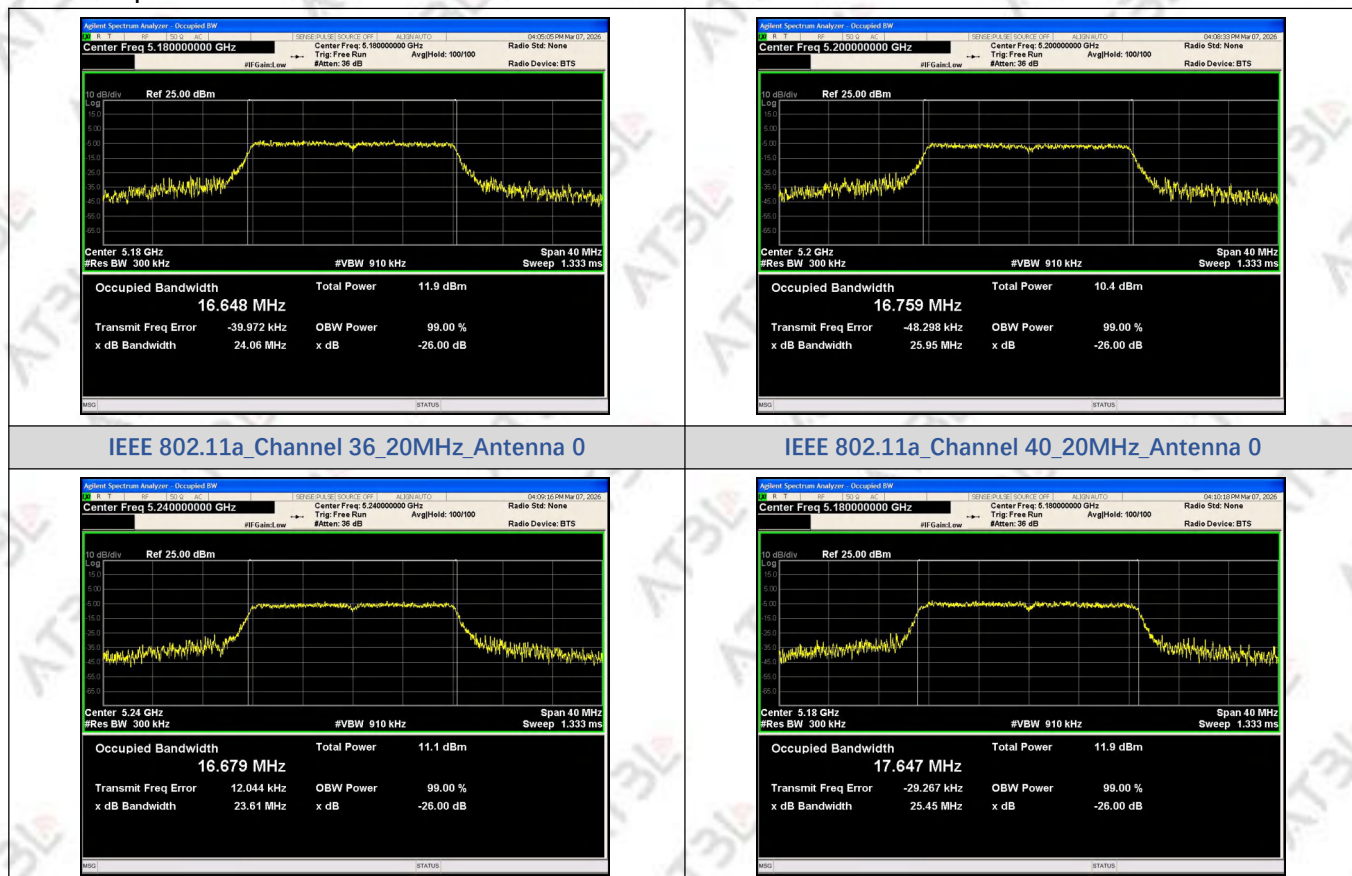
D1.Emission Bandwidth

26dB Bandwidth

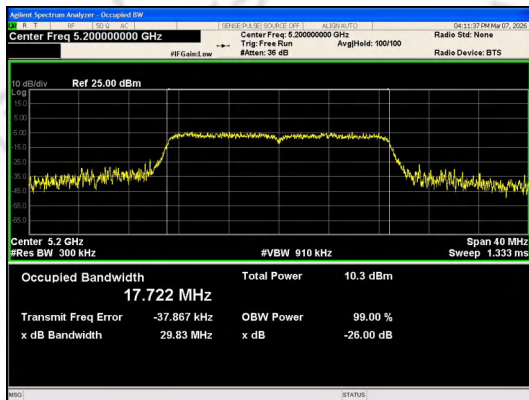
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	0	5180	24.06
	40		5200	25.95
	48		5240	23.61
IEEE 802.11n_20	36		5180	25.45
	40		5200	29.83
	48		5240	25.06
IEEE 802.11n_40	38		5190	45.01
	46		5230	44.98
IEEE 802.11ac_20	36		5180	27.74
	40		5200	28.94
	48		5240	21.66
IEEE 802.11ac_40	38		5190	40.44
	46		5230	41.41
IEEE 802.11ac_80	42		5210	85.28

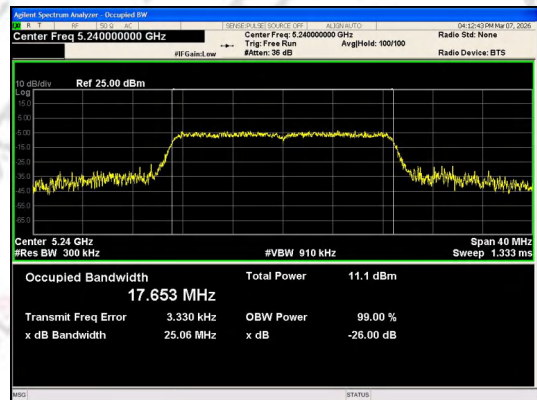
Test Graphs



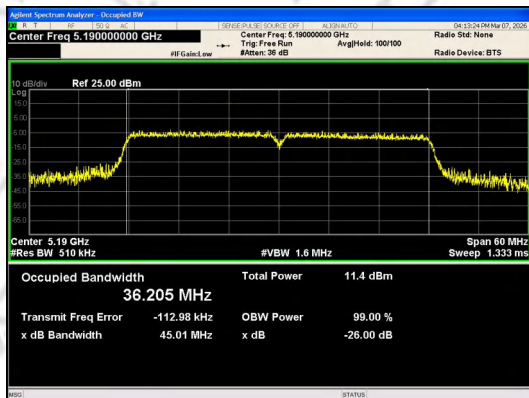
IEEE 802.11a_Channel 48_20MHz_Antenna 0



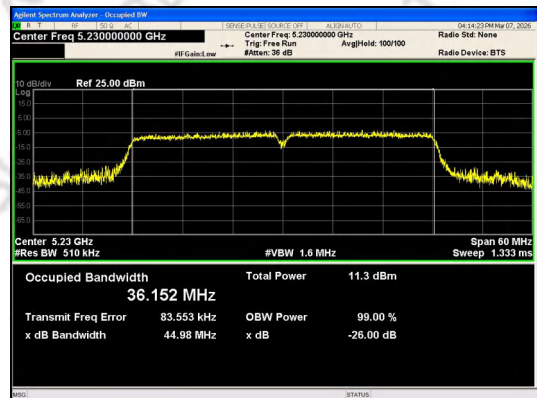
IEEE 802.11n_Channel 36_20MHz_Antenna 0



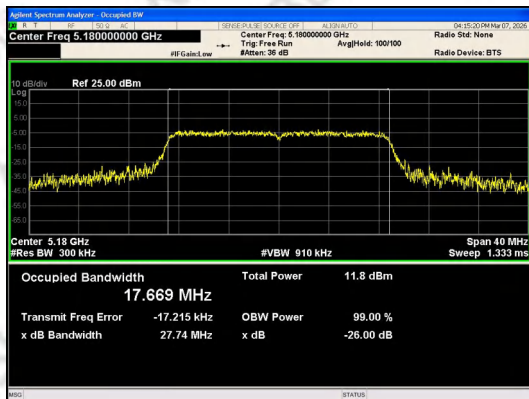
IEEE 802.11n_Channel 40_20MHz_Antenna 0



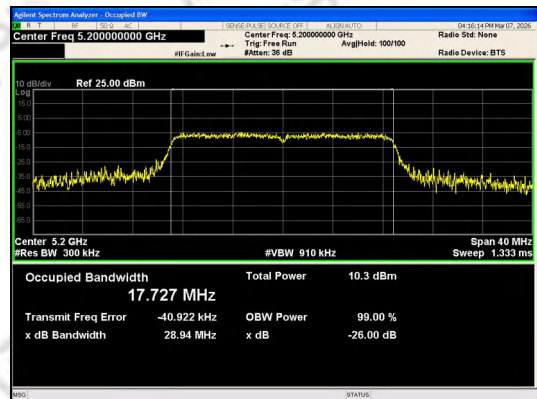
IEEE 802.11n_Channel 48_20MHz_Antenna 0



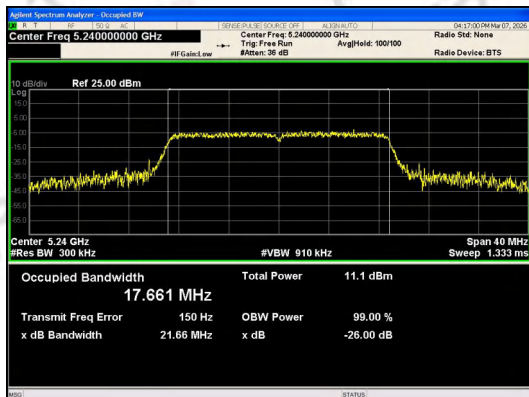
IEEE 802.11n_Channel 38_40MHz_Antenna 0



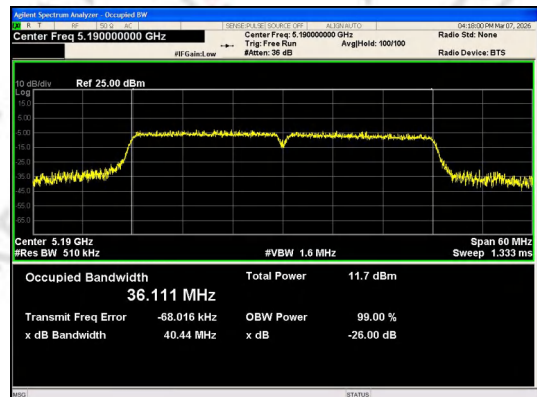
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0

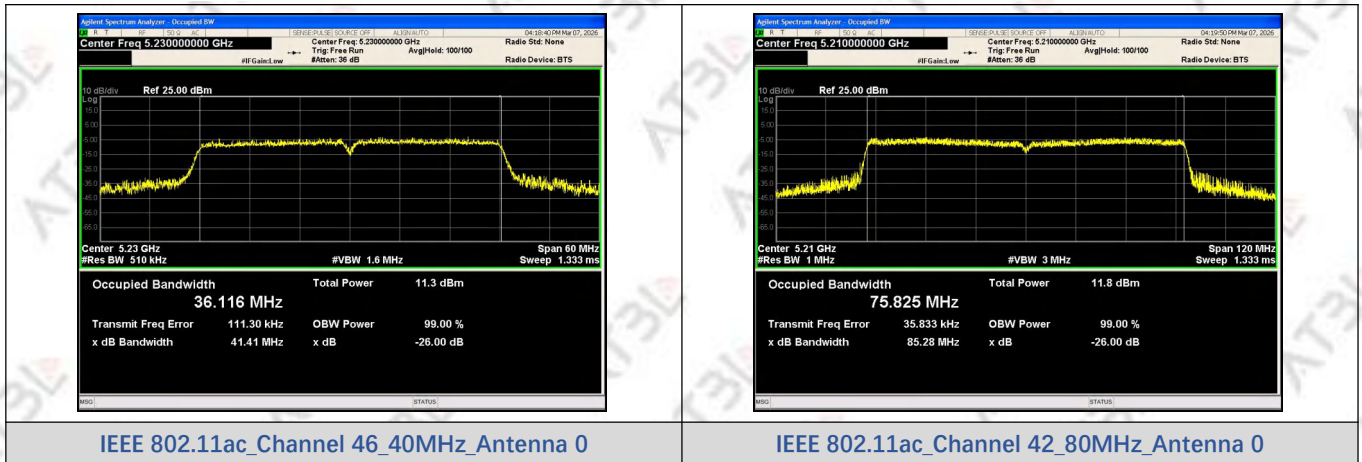


IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0

IEEE 802.11ac_Channel 38_40MHz_Antenna 0



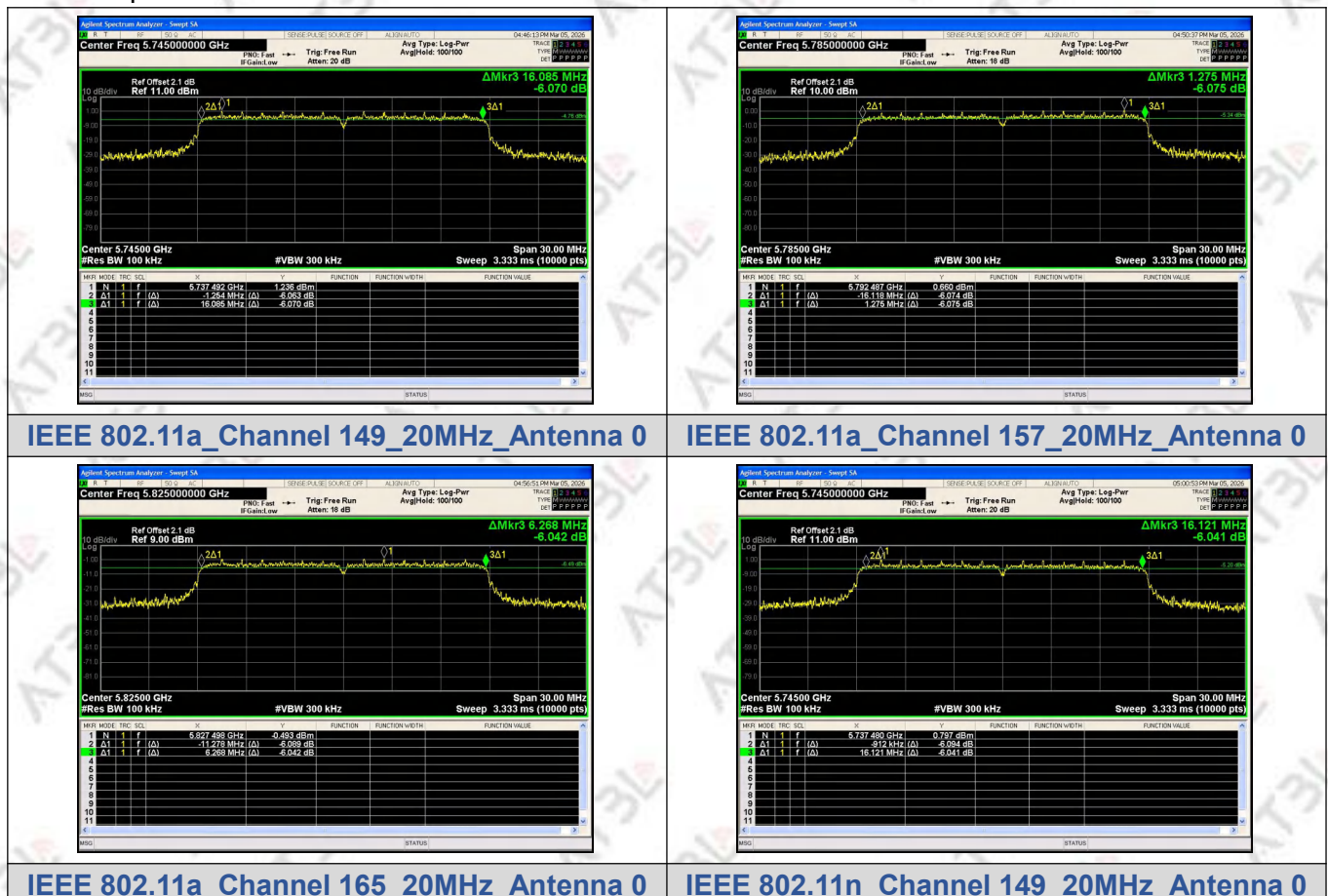
D2. Minimum Emission Bandwidth for the band 5.725–5.85 GHz

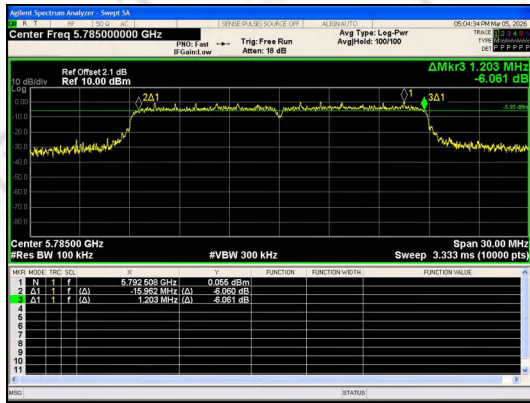
6dB Bandwidth

Test Result

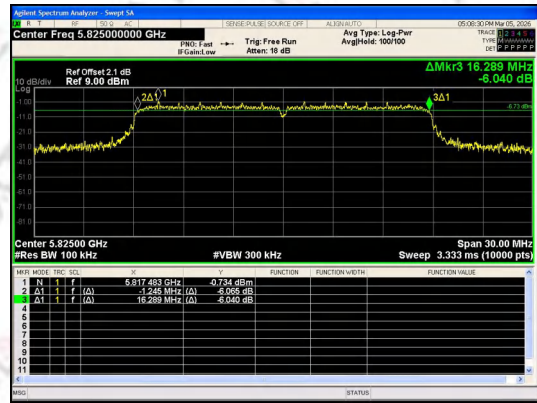
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	17.34	≥0.5	PASS
	157		5785	17.39		PASS
	165		5825	17.55		PASS
IEEE 802.11n_20	149		5745	17.03		PASS
	157		5785	17.16		PASS
	165		5825	17.53		PASS
IEEE 802.11n_40	151		5755	36.37		PASS
	159		5795	35.83		PASS
IEEE 802.11ac_20	149		5745	17.42		PASS
	157		5785	17.35		PASS
	165		5825	17.53		PASS
IEEE 802.11ac_40	151		5755	36.05		PASS
	159		5795	35.33		PASS
IEEE 802.11ac_80	155		5775	73.96		PASS

Test Graphs

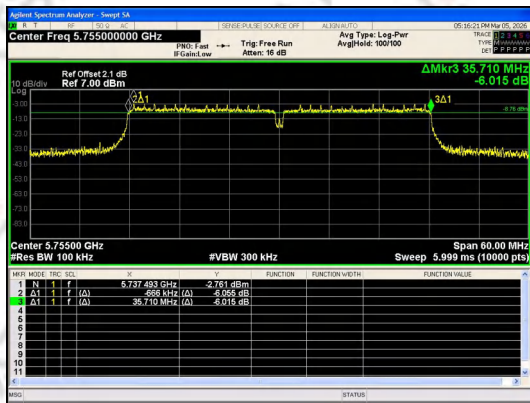




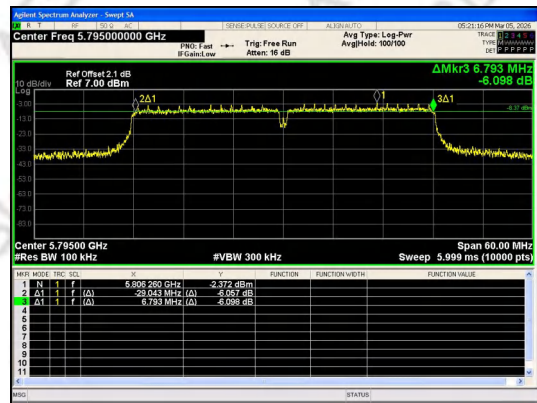
IEEE 802.11n_Channel 157_20MHz_Antenna 0



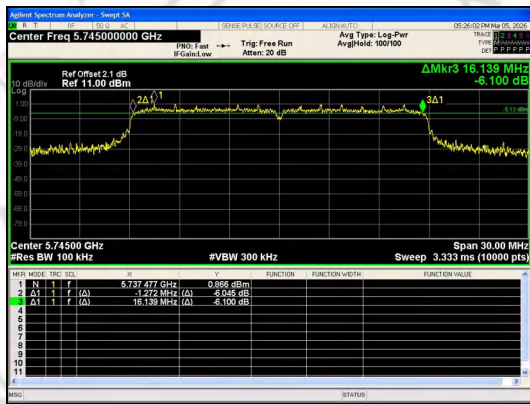
IEEE 802.11n_Channel 165_20MHz_Antenna 0



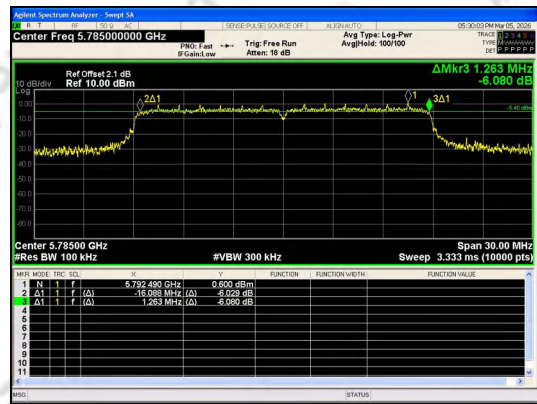
IEEE 802.11n_Channel 151_40MHz_Antenna 0



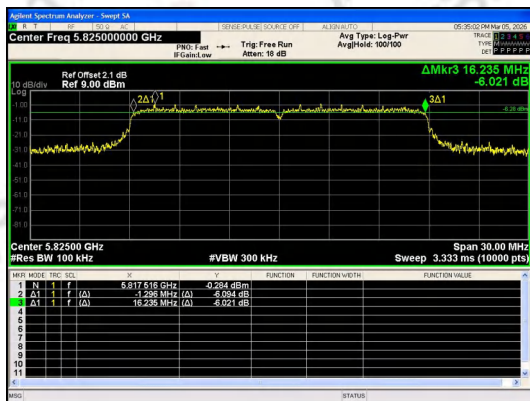
IEEE 802.11n_Channel 159_40MHz_Antenna 0



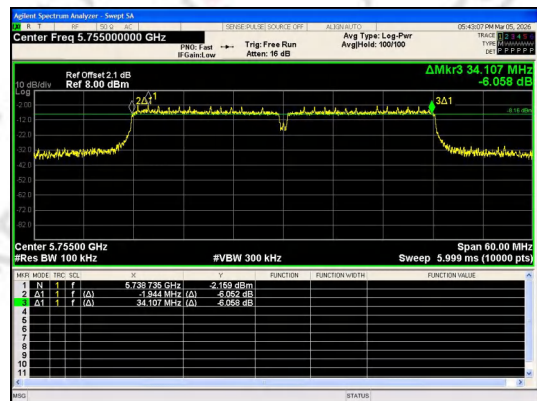
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



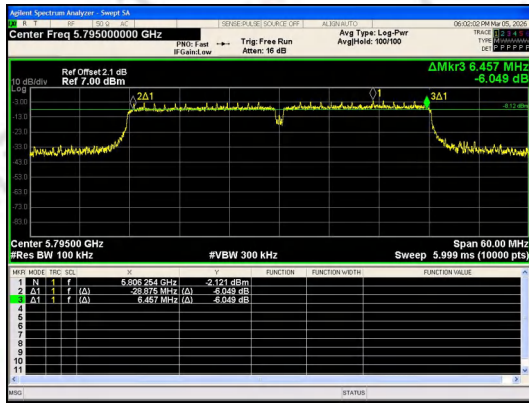
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



IEEE 802.11ac_Channel 165_20MHz_Antenna 0

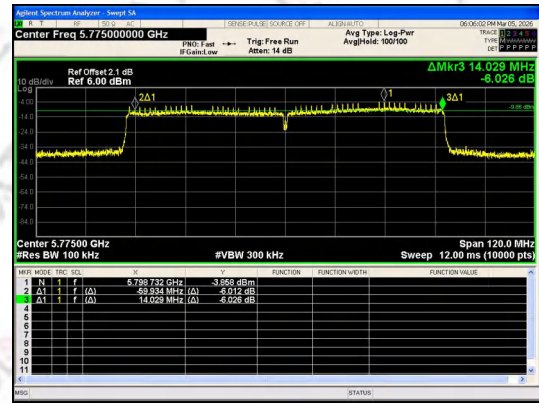


IEEE 802.11ac_Channel 151_40MHz_Antenna 0



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	13.74	≤23.97	PASS
	40	12.69	≤23.97	PASS
	48	12.87	≤23.97	PASS
IEEE 802.11n_20	36	13.51	≤23.97	PASS
	40	12.56	≤23.97	PASS
	48	12.59	≤23.97	PASS
IEEE 802.11n_40	38	12.83	≤23.97	PASS
	46	12.27	≤23.97	PASS
IEEE 802.11ac_20	36	13.67	≤23.97	PASS
	40	12.81	≤23.97	PASS
	48	12.87	≤23.97	PASS
IEEE 802.11ac_40	38	13.12	≤23.97	PASS
	46	12.5	≤23.97	PASS
IEEE 802.11ac_80	42	12.59	≤23.97	PASS

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	12.1	≤30	PASS
	157	11.38	≤30	PASS
	165	10.92	≤30	PASS
IEEE 802.11n_20	149	11.87	≤30	PASS
	157	11.18	≤30	PASS
	165	10.76	≤30	PASS
IEEE 802.11n_40	151	11.28	≤30	PASS
	159	11.2	≤30	PASS
IEEE 802.11ac_20	149	12.16	≤30	PASS
	157	11.49	≤30	PASS
	165	10.97	≤30	PASS
IEEE 802.11ac_40	151	11.46	≤30	PASS
	159	11.41	≤30	PASS
IEEE 802.11ac_80	155	12.84	≤30	PASS

D4.Power Spectral Density

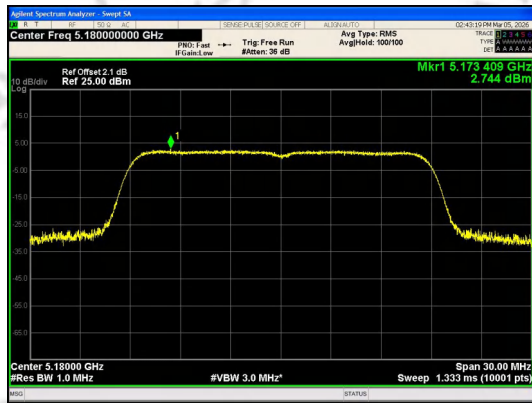
Test Result

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	2.744	0.19	2.934	10	PASS
	40	1.795	0.1904	1.985		PASS
	48	1.815	0.1904	2.005		PASS
IEEE 802.11n_20	36	2.423	0.1913	2.614		PASS
	40	1.638	0.1913	1.829		PASS
	48	1.548	0.1891	1.737		PASS
IEEE 802.11n_40	38	-0.734	0.3773	-0.357		PASS
	46	-1.401	0.3773	-1.024		PASS
IEEE 802.11ac_20	36	2.495	0.1904	2.685		PASS
	40	1.817	0.19	2.007		PASS
	48	1.713	0.1904	1.903		PASS
IEEE 802.11ac_40	38	-0.487	0.3744	-0.113		PASS
	46	-1.165	0.3749	-0.79		PASS
IEEE 802.11ac_80	42	-4.465	0.7084	-3.757		PASS

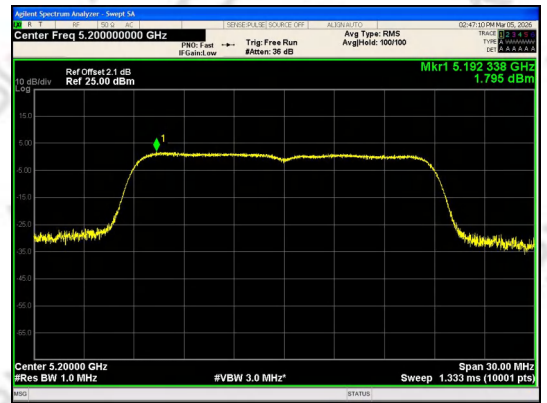
Mode	Channel	Ant. 0 Meas PSD (dBm/500kHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	-2.069	0.19	-1.879	30	PASS
	157	-2.636	0.1904	-2.446		PASS
	165	-3.771	0.1904	-3.581		PASS
IEEE 802.11n_20	149	-2.328	0.1913	-2.137		PASS
	157	-3.055	0.1913	-2.864		PASS
	165	-3.727	0.1886	-3.538		PASS
IEEE 802.11n_40	151	-5.732	0.3773	-5.355		PASS
	159	-6.049	0.3739	-5.675		PASS
IEEE 802.11ac_20	149	-2.189	0.1904	-1.999		PASS
	157	-2.725	0.1904	-2.535		PASS
	165	-3.536	0.1904	-3.346		PASS
IEEE 802.11ac_40	151	-5.838	0.3749	-5.463		PASS
	159	-5.883	0.3744	-5.509		PASS
IEEE 802.11ac_80	155	-8.140	0.7084	-7.432		PASS

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

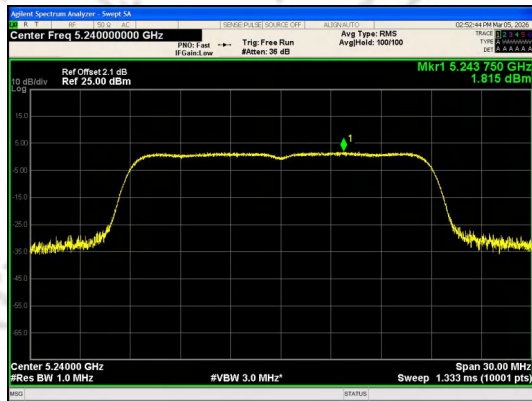
Duty cycle factor=10*log (1/duty cycle)



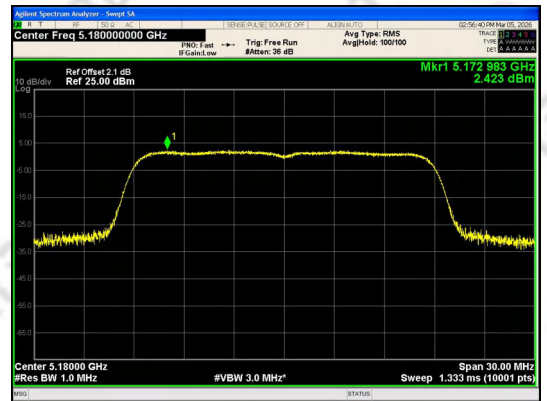
IEEE 802.11a_Channel 36_20MHz_Antenna 0



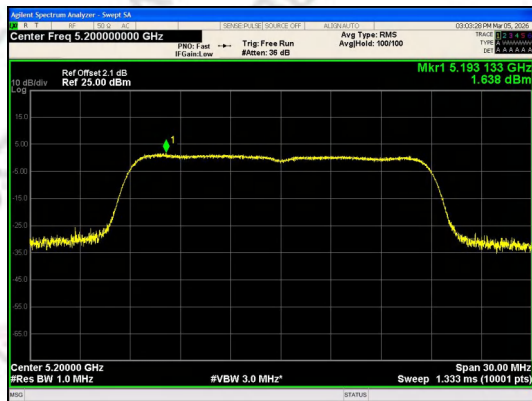
IEEE 802.11a_Channel 40_20MHz_Antenna 0



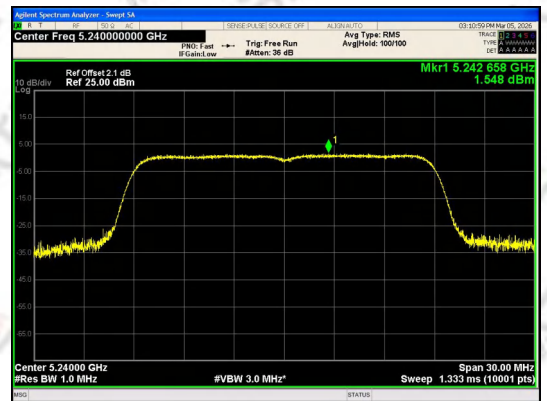
IEEE 802.11a_Channel 48_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 0



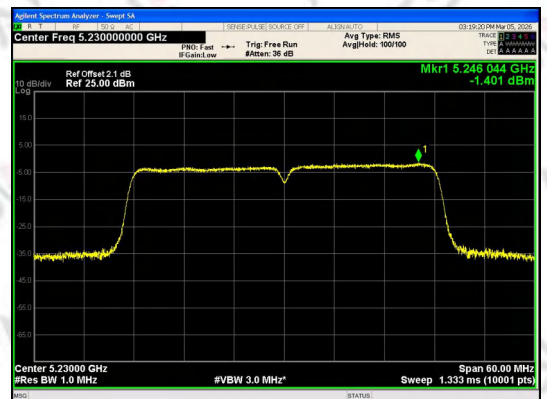
IEEE 802.11n_Channel 40_20MHz_Antenna 0



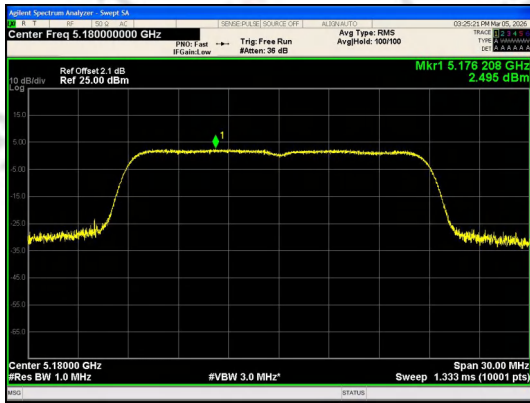
IEEE 802.11n_Channel 48_20MHz_Antenna 0



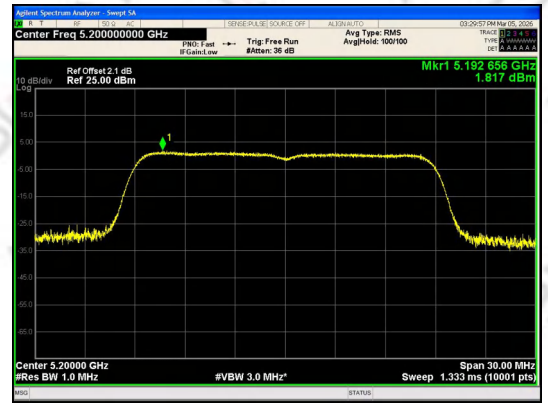
IEEE 802.11n_Channel 38_40MHz_Antenna 0



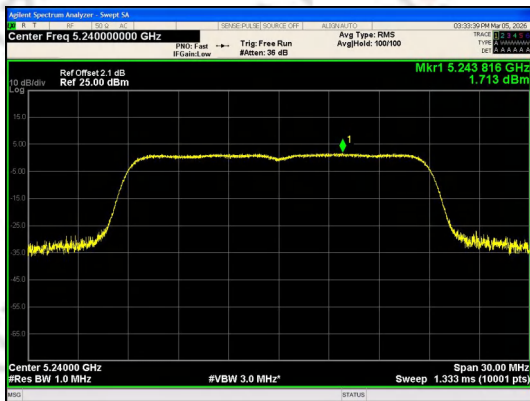
IEEE 802.11n_Channel 46_40MHz_Antenna 0



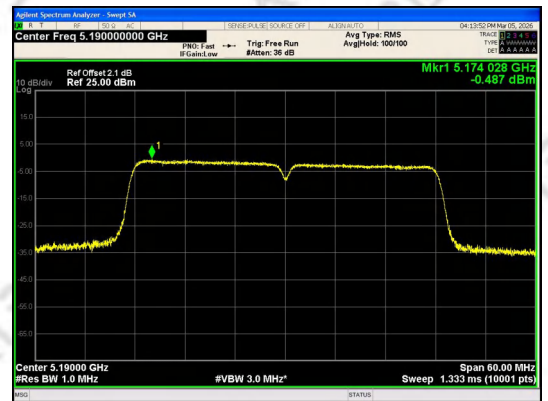
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



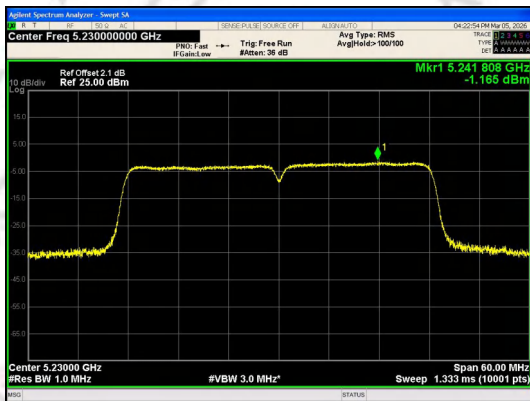
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



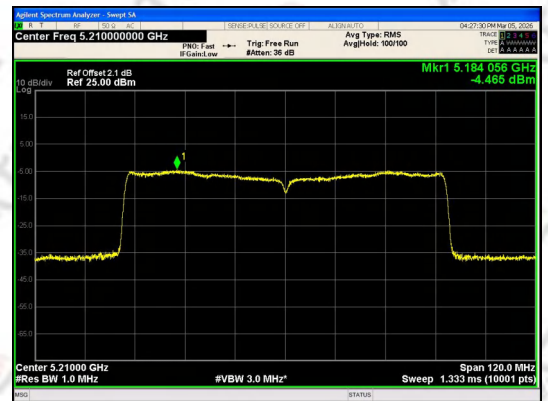
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



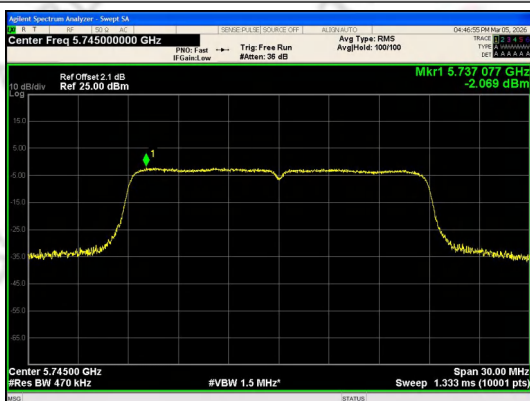
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



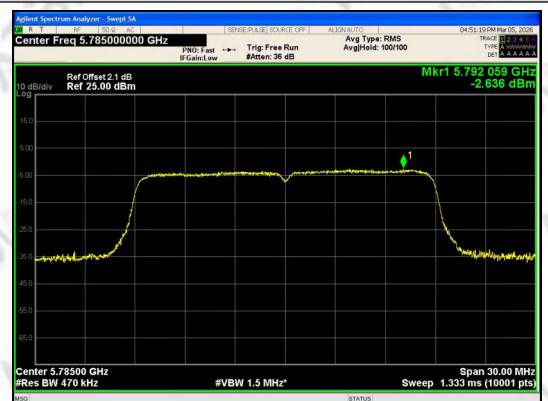
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



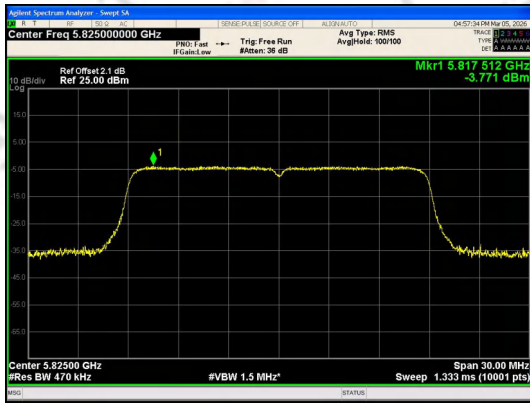
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



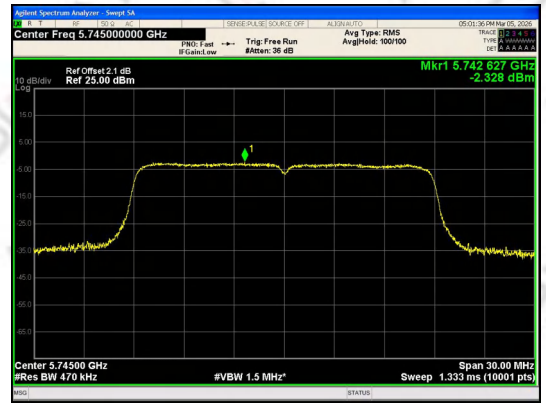
IEEE 802.11a_Channel 149_20MHz_Antenna 0



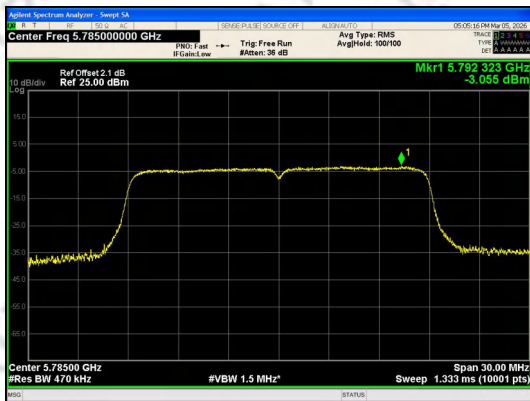
IEEE 802.11a_Channel 157_20MHz_Antenna 0



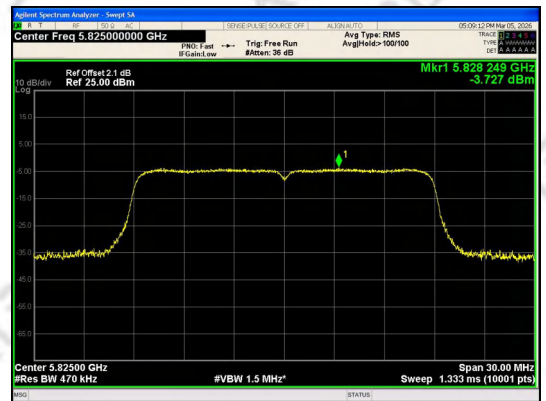
IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



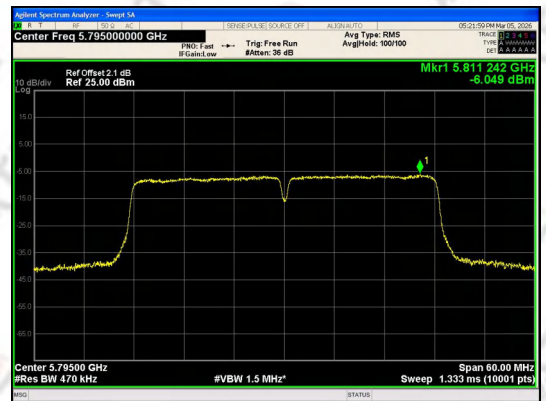
IEEE 802.11n_Channel 157_20MHz_Antenna 0



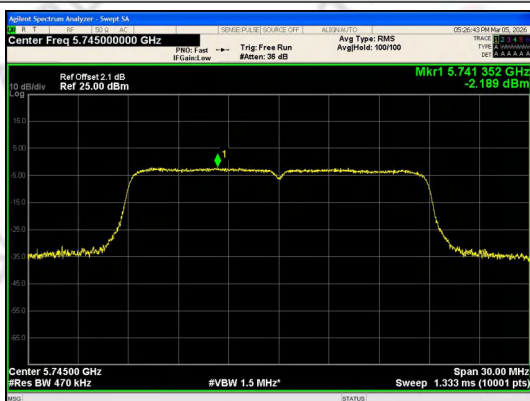
IEEE 802.11n_Channel 165_20MHz_Antenna 0



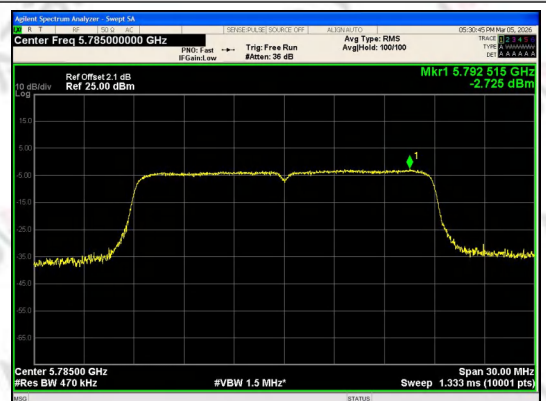
IEEE 802.11n_Channel 151_40MHz_Antenna 0



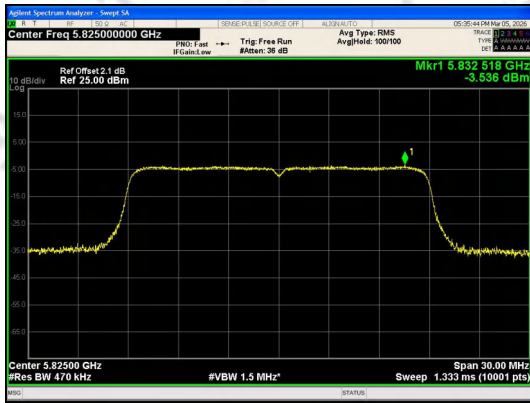
IEEE 802.11n_Channel 159_40MHz_Antenna 0



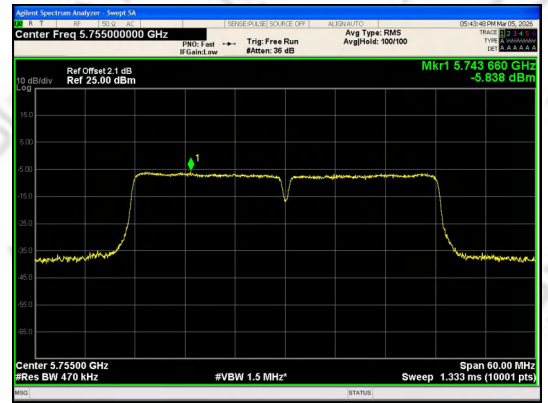
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 157_20MHz_Antenna 0



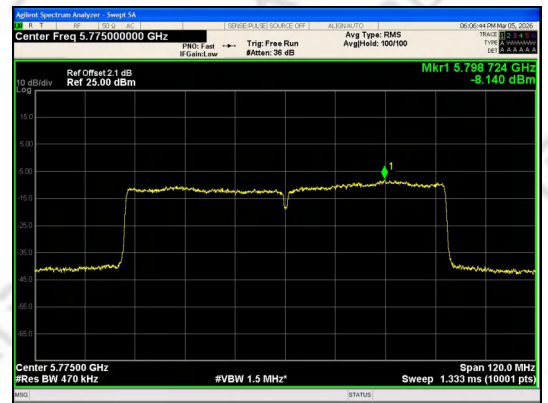
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 0



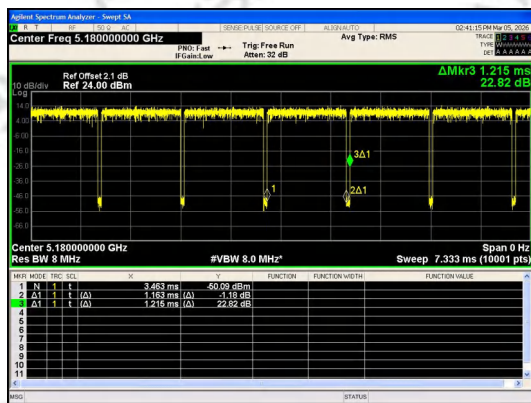
IEEE 802.11ac_Channel 155_80MHz_Antenna 0

D5.Duty Cycle

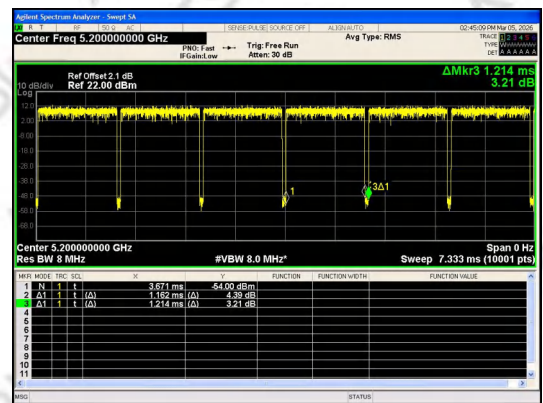
Test Result

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	1.163	1.215	95.72	0.9572	0.19
		40		1.162	1.214	95.71	0.9571	0.1904
		48		1.162	1.214	95.71	0.9571	0.1904
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	1.206	95.74	0.9574	0.1891
IEEE 802.11n_40		38		0.578	0.630	91.68	0.9168	0.3773
		46		0.578	0.631	91.68	0.9168	0.3773
IEEE 802.11ac_20	MCS 0	36		1.162	1.214	95.71	0.9571	0.1904
		40		1.163	1.215	95.72	0.9572	0.19
		48		1.162	1.214	95.71	0.9571	0.1904
IEEE 802.11ac_40		38		0.582	0.635	91.74	0.9174	0.3744
		46		0.582	0.634	91.73	0.9173	0.3749
IEEE 802.11ac_80		42		0.293	0.345	84.95	0.8495	0.7084

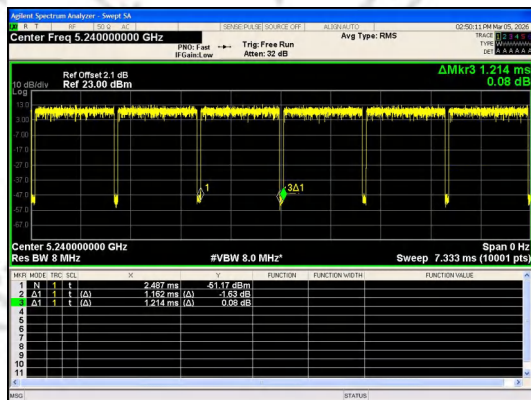
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	149	0	1.163	1.215	95.72	0.9572	0.19
		157		1.162	1.214	95.71	0.9571	0.1904
		165		1.162	1.214	95.71	0.9571	0.1904
IEEE 802.11n_20		149		1.155	1.207	95.69	0.9569	0.1913
		157		1.155	1.207	95.69	0.9569	0.1913
		165		1.156	1.207	95.75	0.9575	0.1886
IEEE 802.11n_40		151		0.578	0.631	91.68	0.9168	0.3773
		159		0.578	0.630	91.75	0.9175	0.3739
IEEE 802.11ac_20	MCS 0	149		1.162	1.214	95.71	0.9571	0.1904
		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	91.73	0.9173	0.3749
		159		0.582	0.635	91.74	0.9174	0.3744
IEEE 802.11ac_80		155		0.293	0.345	84.95	0.8495	0.7084



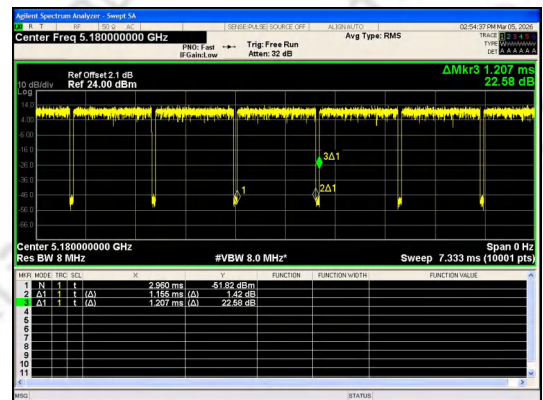
IEEE 802.11a_20MHz_Channel 36



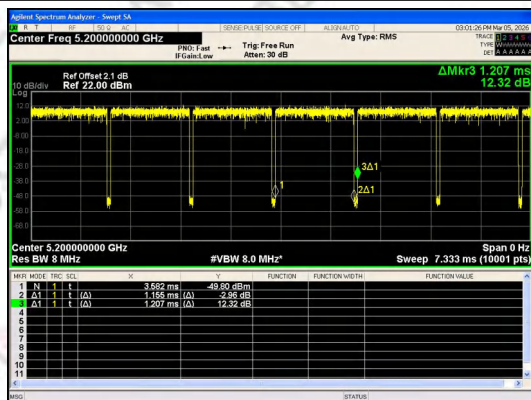
IEEE 802.11a_20MHz_Channel 40



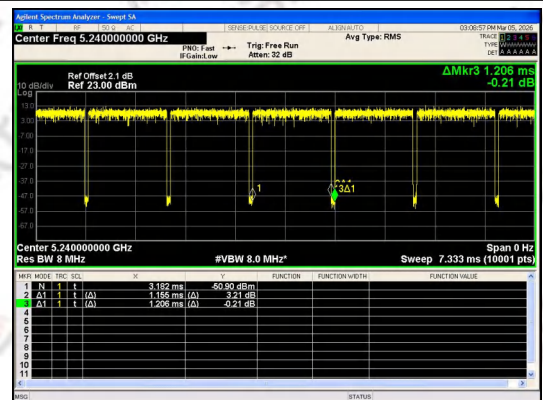
IEEE 802.11a_20MHz_Channel 48



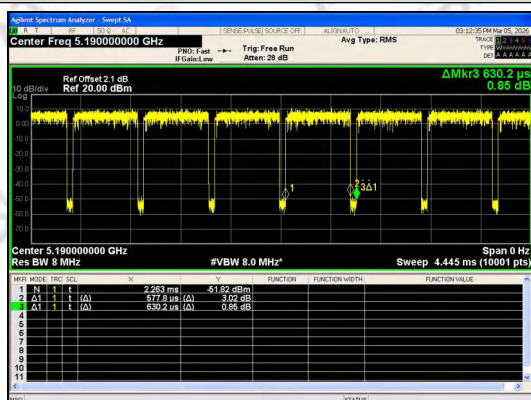
IEEE 802.11n_20MHz_Channel 36



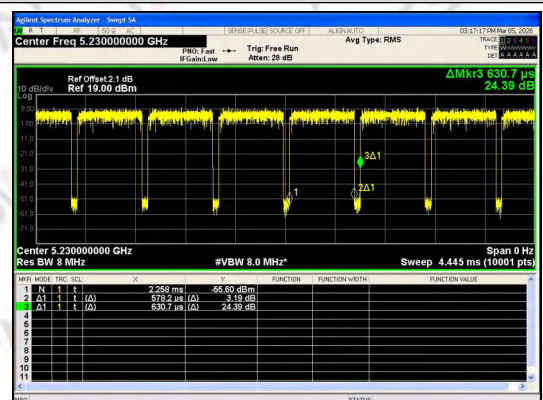
IEEE 802.11n_20MHz_Channel 40



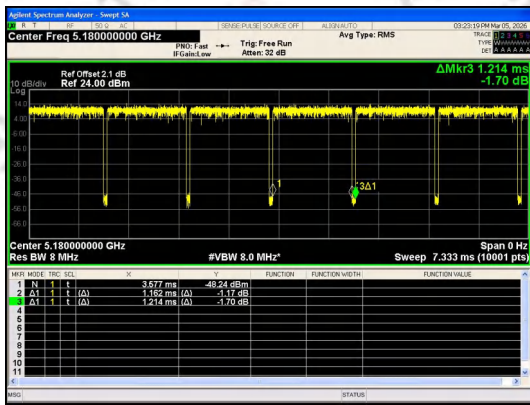
IEEE 802.11n_20MHz_Channel 48



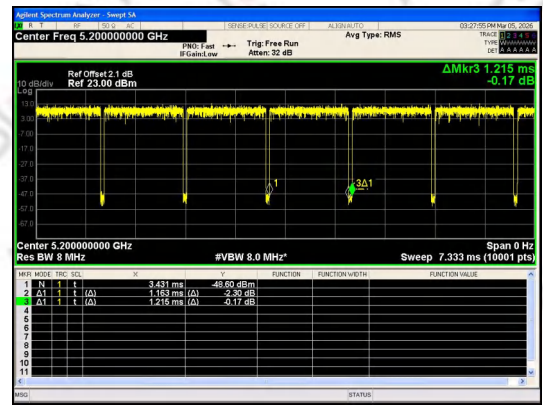
IEEE 802.11n_40MHz_Channel 38



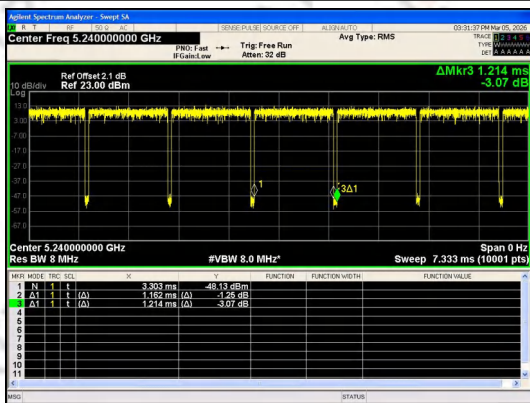
IEEE 802.11n_40MHz_Channel 46



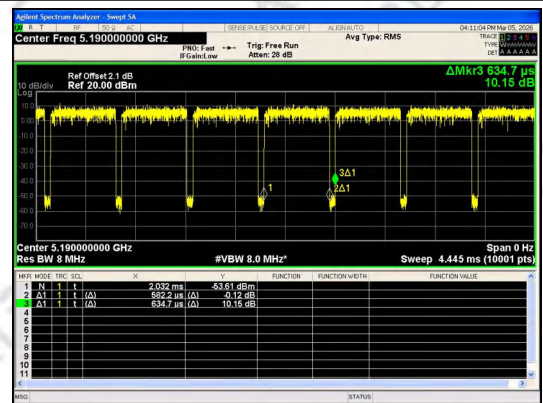
IEEE 802.11ac_20MHz_Channel 36



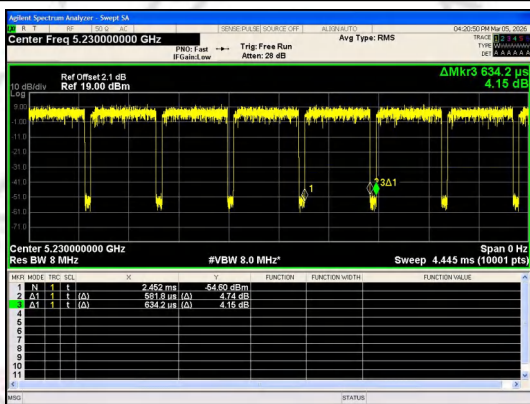
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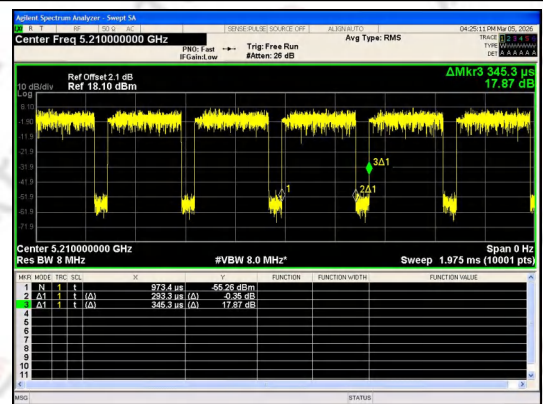
IEEE 802.11ac_20MHz_Channel 48



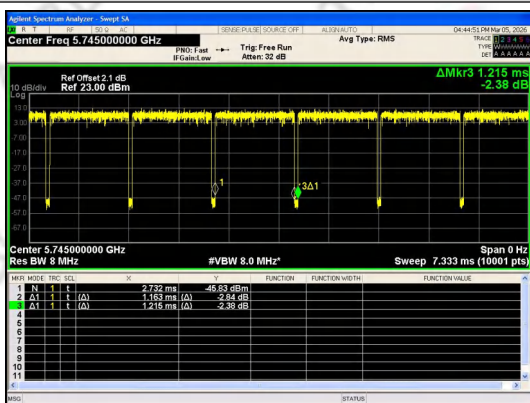
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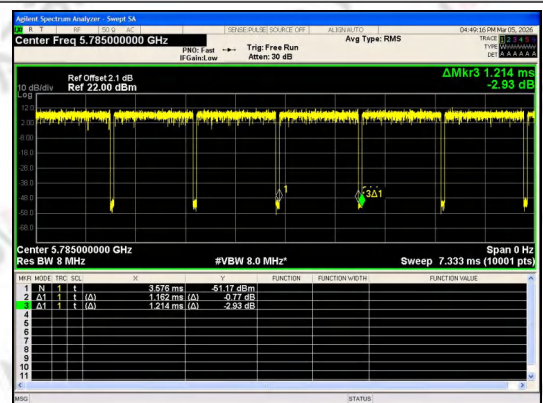
IEEE 802.11ac_40MHz_Channel 46



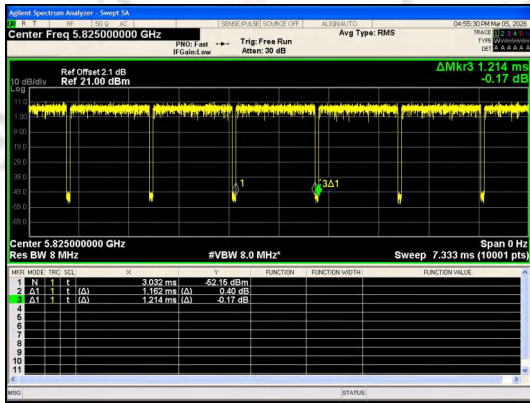
IEEE 802.11ac_80MHz_Channel 42



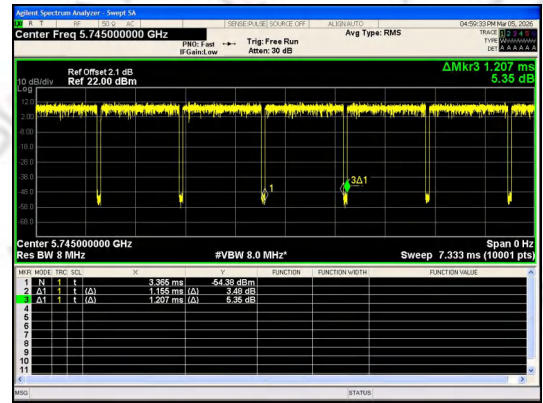
IEEE 802.11a_20MHz_Channel 149



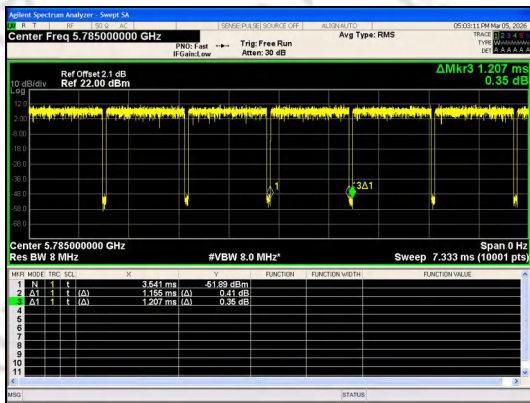
IEEE 802.11a_20MHz_Channel 157



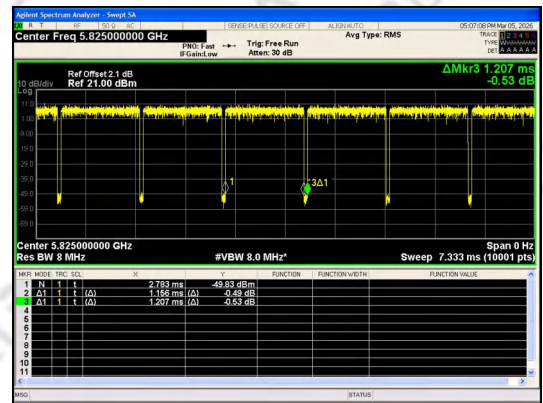
IEEE 802.11a_20MHz_Channel 165



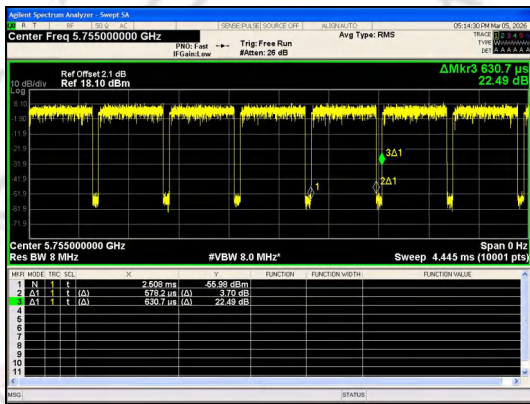
IEEE 802.11n_20MHz_Channel 149



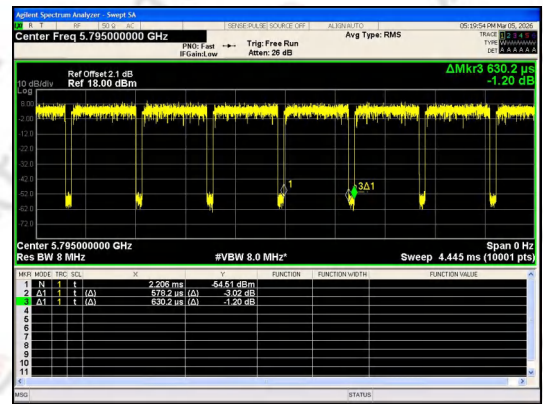
IEEE 802.11n_20MHz_Channel 157



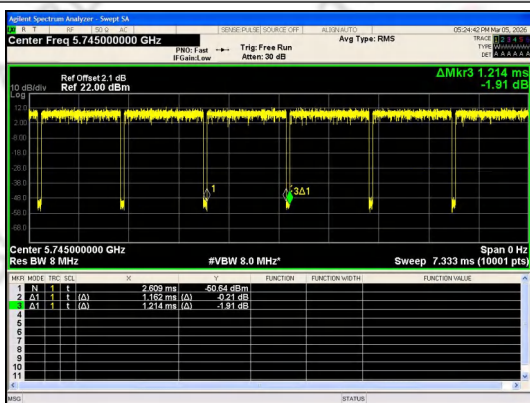
IEEE 802.11n_20MHz_Channel 165



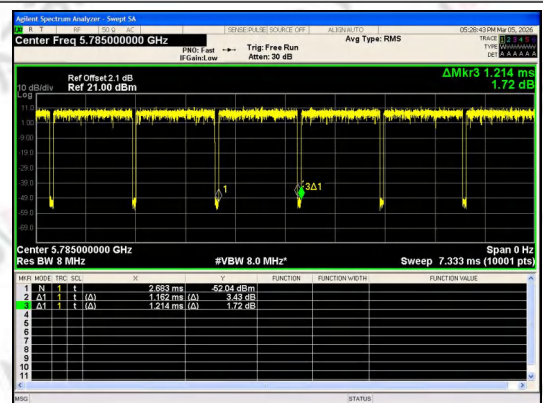
IEEE 802.11n_40MHz_Channel 151



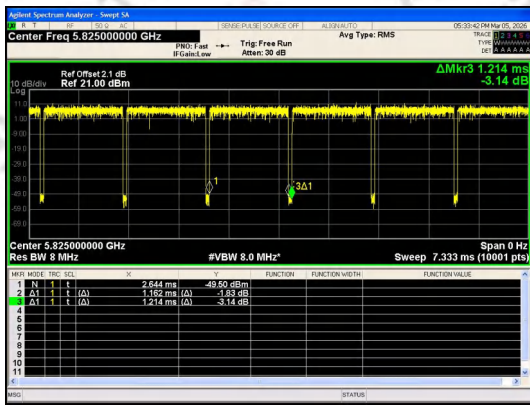
IEEE 802.11n_40MHz_Channel 159



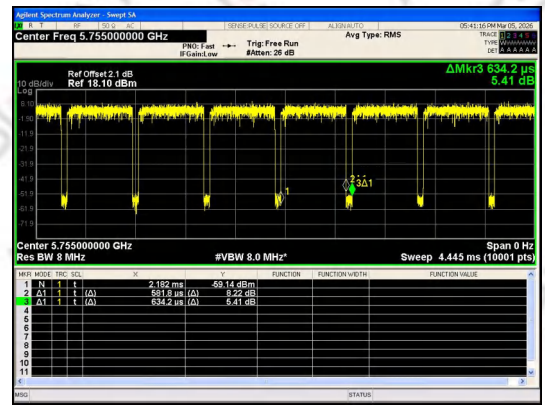
IEEE 802.11ac_20MHz_Channel 149



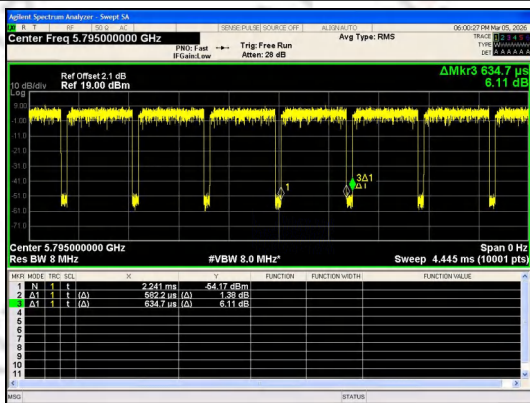
IEEE 802.11ac_20MHz_Channel 157



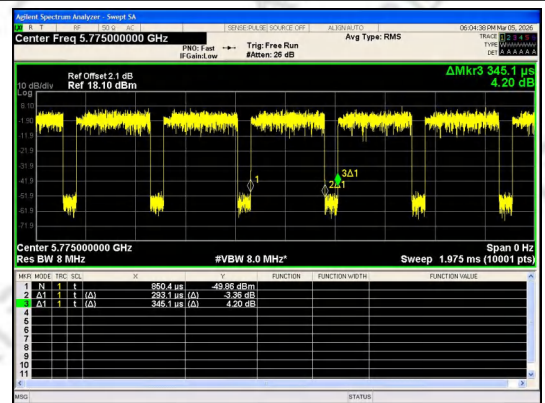
IEEE 802.11ac_20MHz_Channel 165



IEEE 802.11ac_40MHz_Channel 151



IEEE 802.11ac_40MHz_Channel 159



IEEE 802.11ac_80MHz_Channel 155

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