

C1.Emission Bandwidth

26dB Bandwidth

Test Result

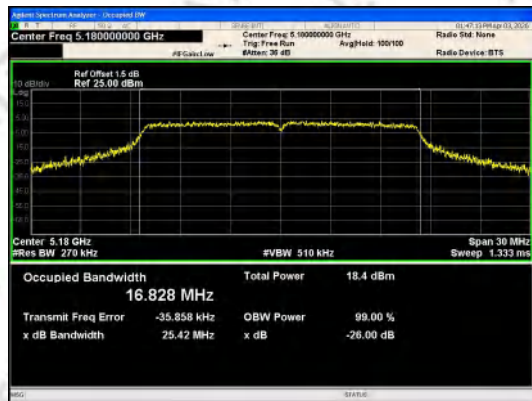
For Band1-Band3 test data:

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	N/A	0	5180	25.42
	40			5200	25.27
	48			5240	25.39
	52			5260	25.69
	60			5300	25.62
	64			5320	25.72
	100			5500	26.36
	120			5600	25.94
	140			5700	25.76
IEEE 802.11n_20	36	N/A	0	5180	26.70
	40			5200	26.63
	48			5240	27.23
	52			5260	26.52
	60			5300	26.13
	64			5320	26.95
	100			5500	26.48
	120			5600	27.49
	140			5700	27.01
IEEE 802.11n_40	38	N/A	0	5190	47.50
	46			5230	45.24
	54			5270	46.71
	62			5310	46.59
	102			5510	46.40
	118			5590	46.33
	134			5670	47.96
IEEE 802.11ac_20	36	N/A	0	5180	26.13
	40			5200	26.56
	48			5240	25.76
	52			5260	29.99
	60			5300	25.12
	64			5320	25.52
	100			5500	27.11
	120			5600	27.74
	140			5700	27.33
IEEE 802.11ac_40	38	N/A	0	5190	47.58
	46			5230	45.01

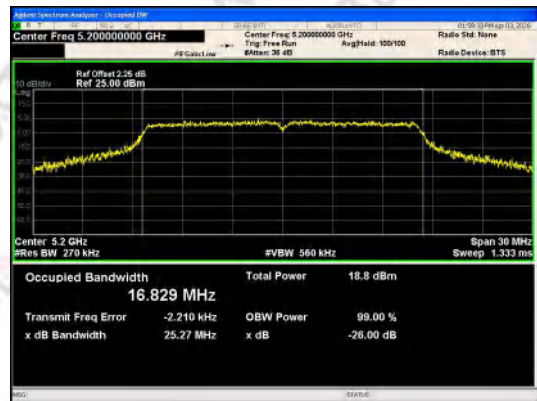
	54			5270	46.94
	62			5310	45.56
	102			5510	45.89
	118			5590	47.43
	134			5670	49.82
IEEE 802.11ax_20	36	SU		5180	25.16
	40			5200	26.71
	48			5240	24.88
	52			5260	25.74
	60			5300	26.03
	64			5320	25.68
	100			5500	28.10
	120			5600	26.51
	140			5700	25.17
IEEE 802.11ax_40	38			5190	44.77
	46			5230	44.58
	54			5270	46.10
	62			5310	44.97
	102			5510	45.65
	118			5590	46.94
	134			5670	46.86

Test Graphs

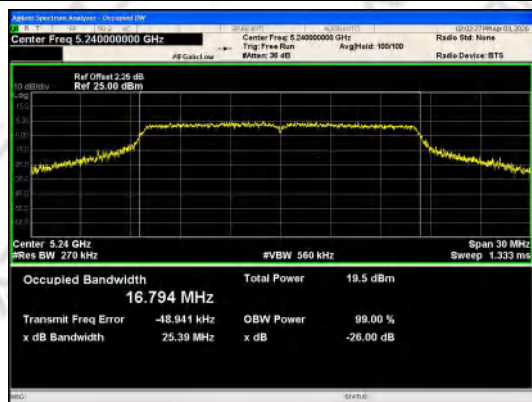
For Band1-Band3 test data:



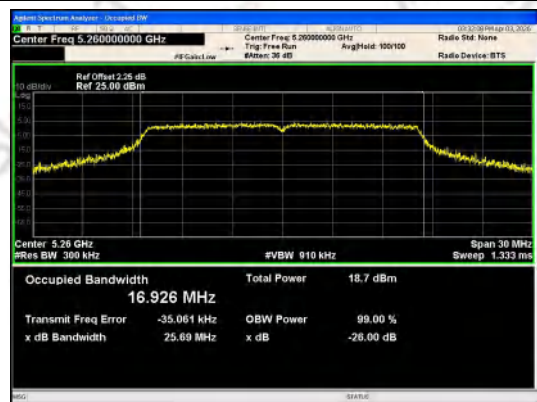
IEEE 802.11a_Channel 36_20MHz_Antenna 0



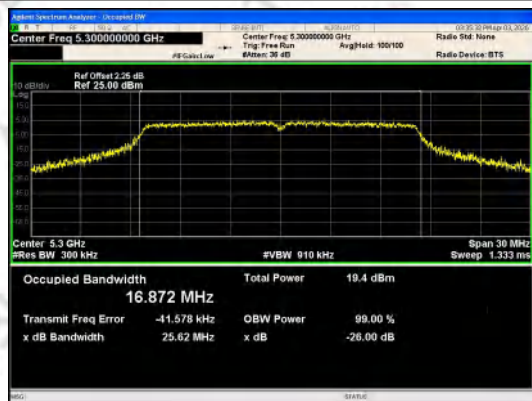
IEEE 802.11a_Channel 40_20MHz_Antenna 0



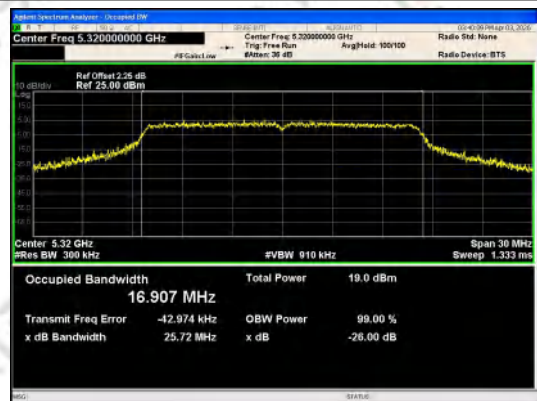
IEEE 802.11a_Channel 48_20MHz_Antenna 0



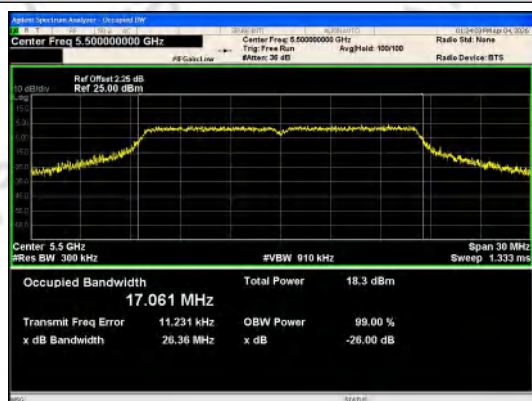
IEEE 802.11a_Channel 52_20MHz_Antenna 0



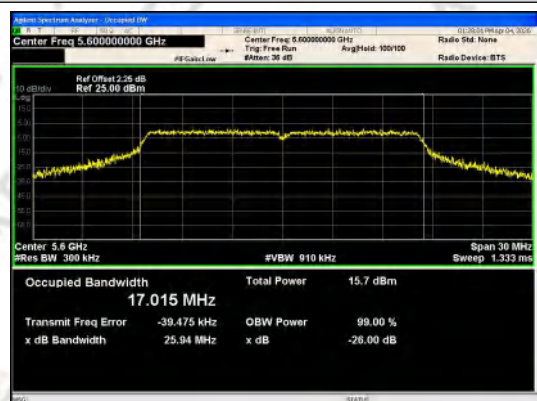
IEEE 802.11a_Channel 60_20MHz_Antenna 0



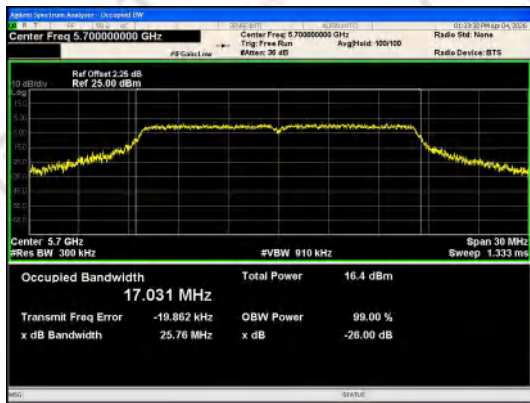
IEEE 802.11a_Channel 64_20MHz_Antenna 0



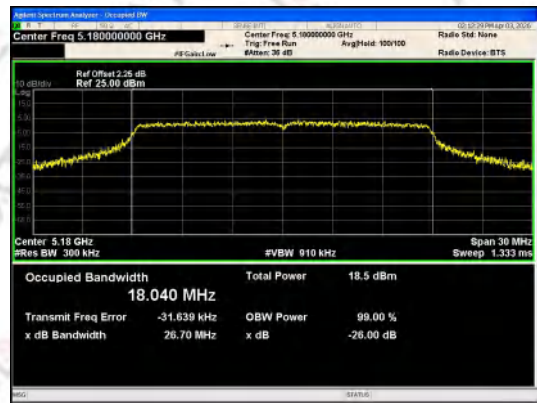
IEEE 802.11a_Channel 100_20MHz_Antenna 0



IEEE 802.11a_Channel 120_20MHz_Antenna 0



IEEE 802.11a_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 0



IEEE 802.11n_Channel 40_20MHz_Antenna 0



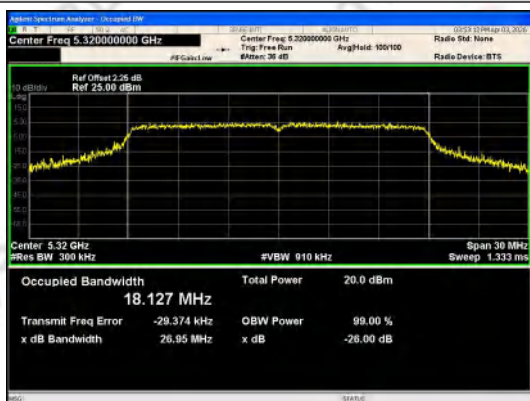
IEEE 802.11n_Channel 48_20MHz_Antenna 0



IEEE 802.11n_Channel 52_20MHz_Antenna 0



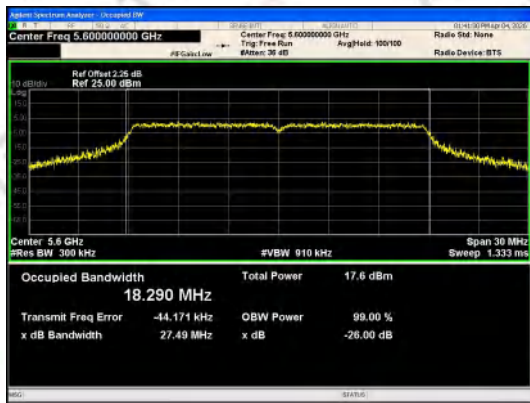
IEEE 802.11n_Channel 60_20MHz_Antenna 0



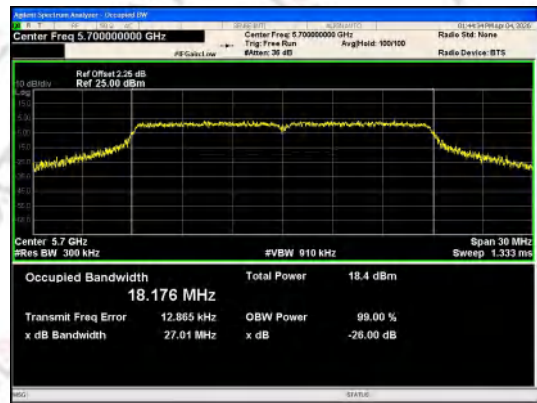
IEEE 802.11n_Channel 64_20MHz_Antenna 0



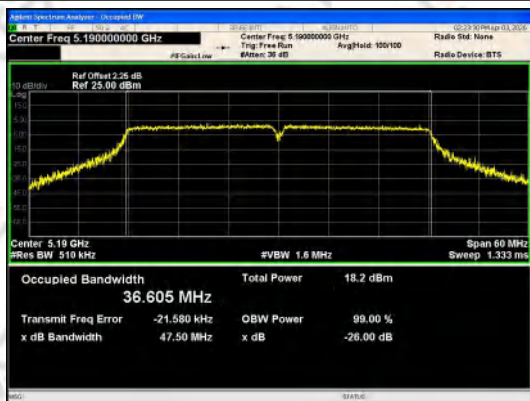
IEEE 802.11n_Channel 100_20MHz_Antenna 0



IEEE 802.11n_Channel 120_20MHz_Antenna 0



IEEE 802.11n_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 38_40MHz_Antenna 0



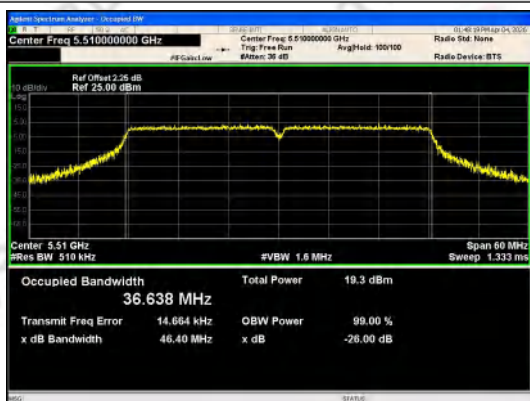
IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11n_Channel 54_40MHz_Antenna 0



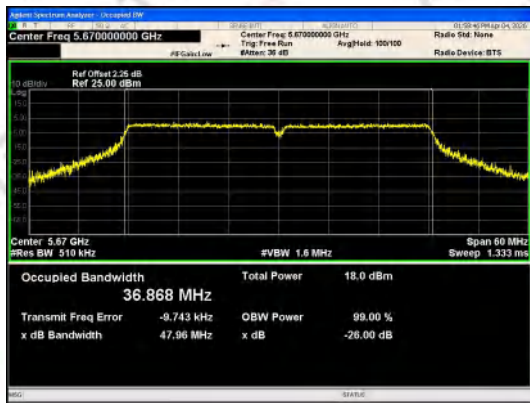
IEEE 802.11n_Channel 62_40MHz_Antenna 0



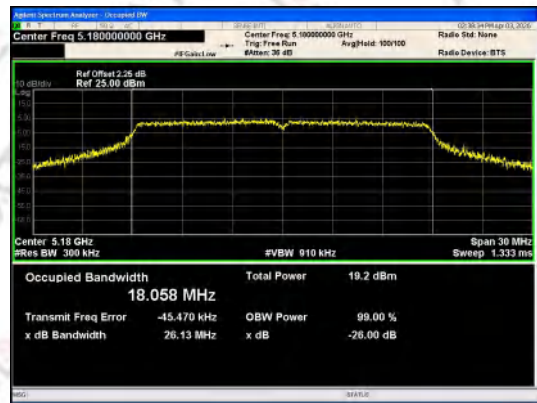
IEEE 802.11n_Channel 102_40MHz_Antenna 0



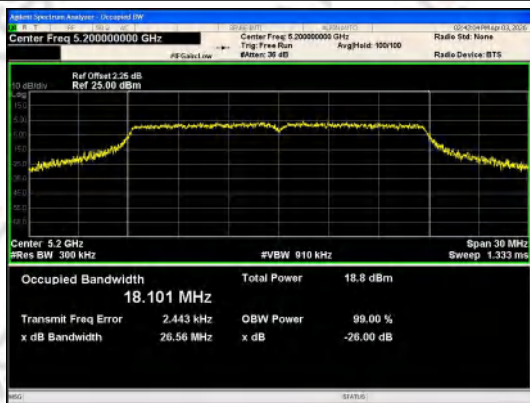
IEEE 802.11n_Channel 118_40MHz_Antenna 0



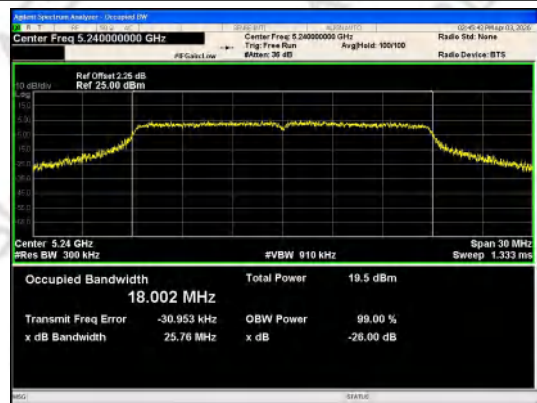
IEEE 802.11n_Channel 134_40MHz_Antenna 0



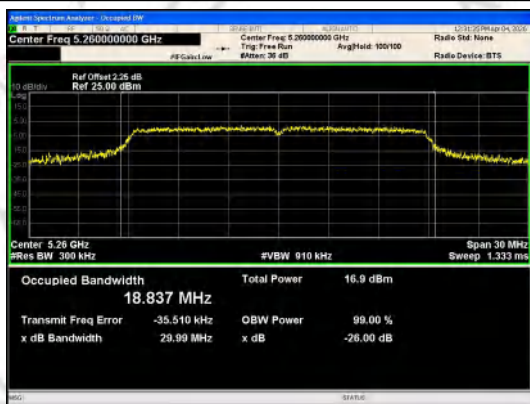
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



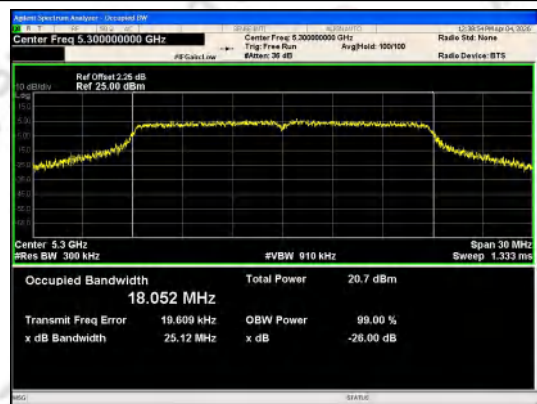
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



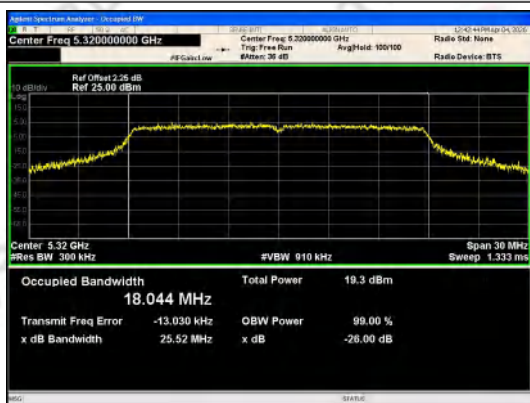
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



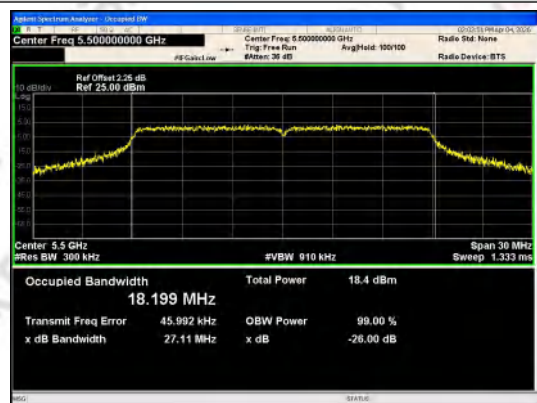
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



IEEE 802.11ac_Channel 60_20MHz_Antenna 0



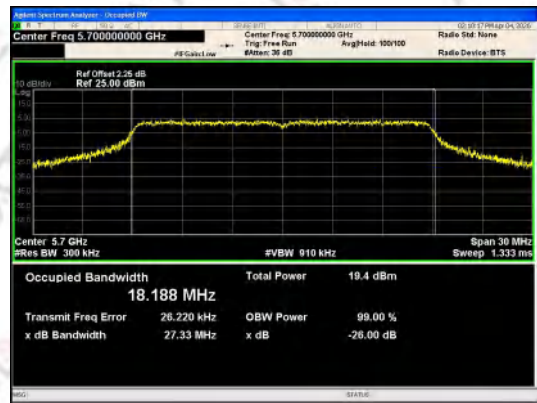
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



IEEE 802.11ac_Channel 100_20MHz_Antenna 0



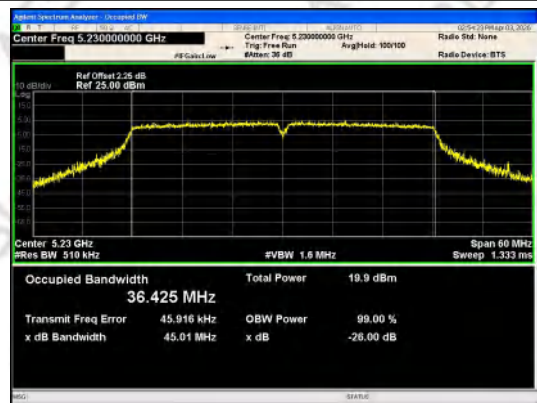
IEEE 802.11ac_Channel 120_20MHz_Antenna 0



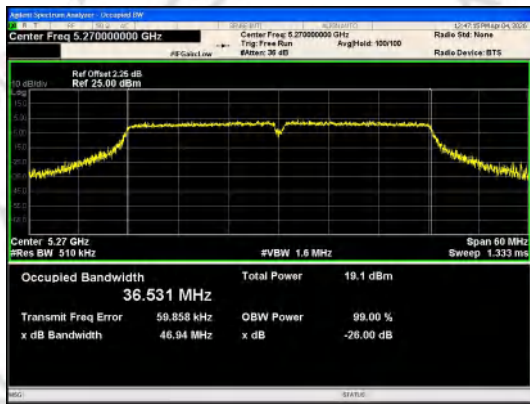
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



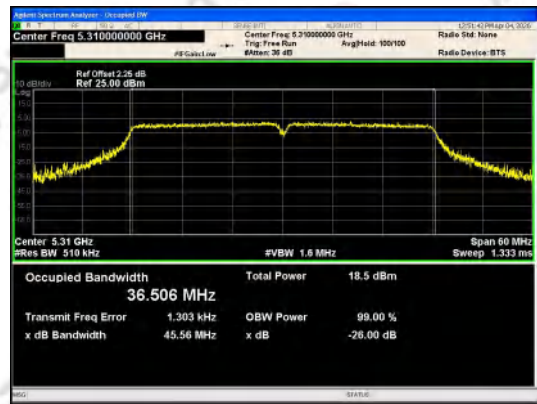
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



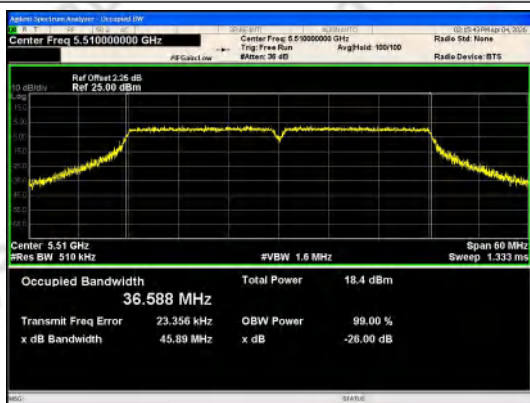
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



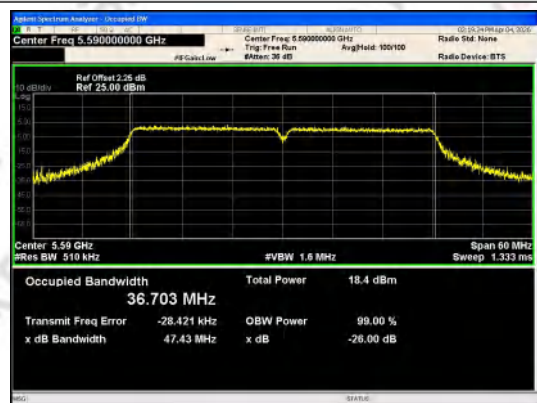
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



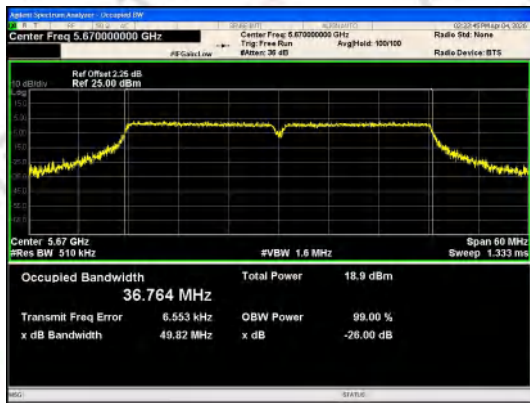
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



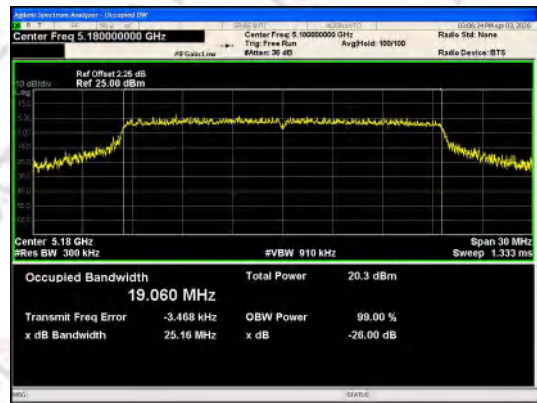
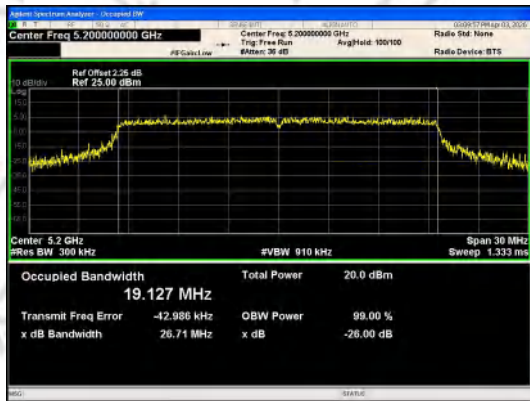
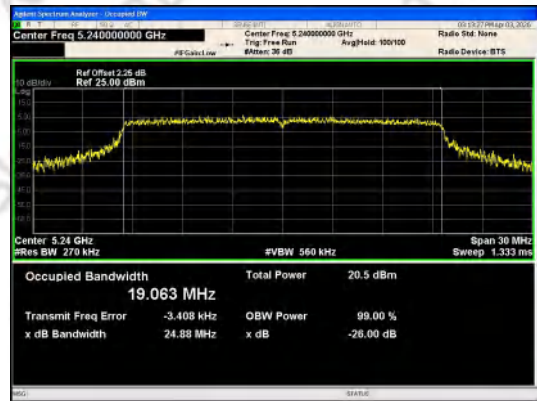
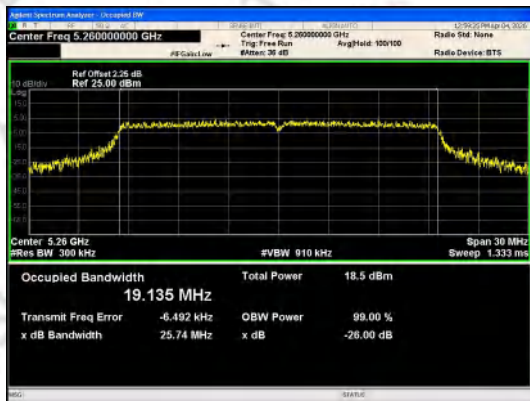
IEEE 802.11ac_Channel 102_40MHz_Antenna 0

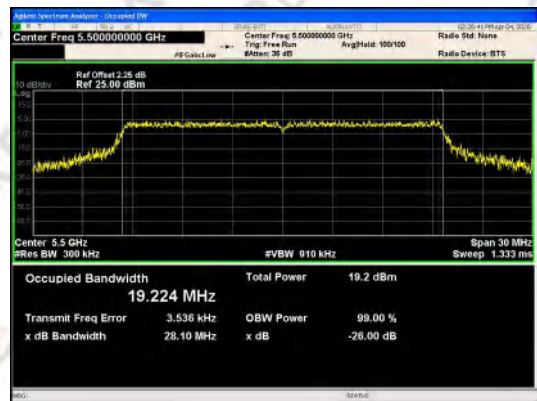
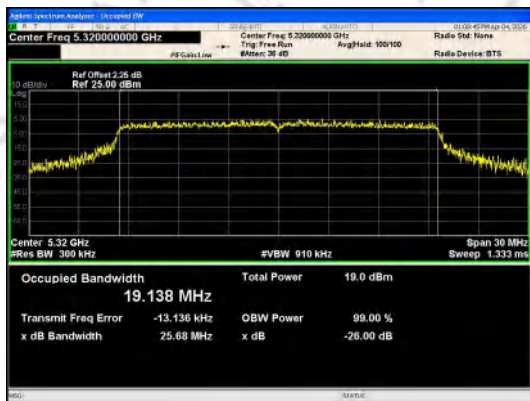


IEEE 802.11ac_Channel 118_40MHz_Antenna 0

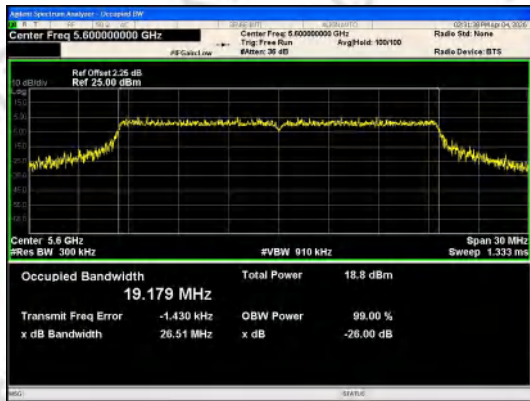


IEEE 802.11ac_Channel 134_40MHz_Antenna 0

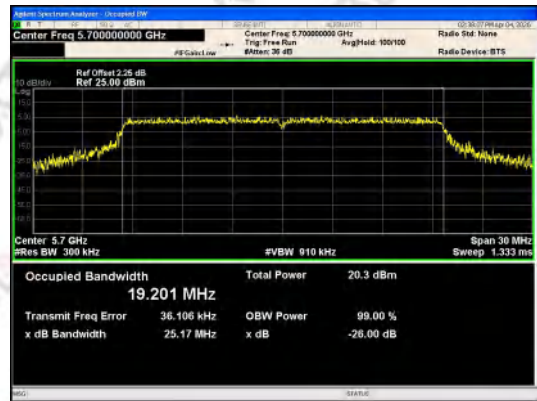

IEEE 802.11ax_Channel 36_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 40_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 48_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 52_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 60_20MHz_Antenna
0_RU&Index SU


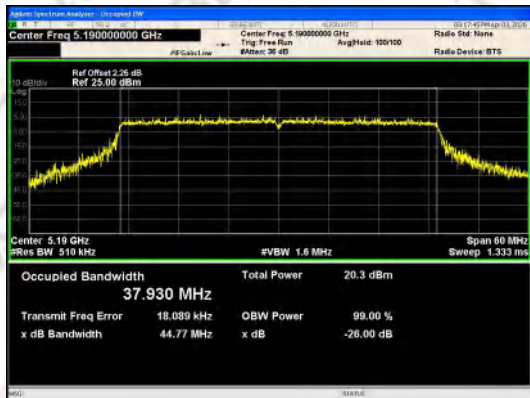
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



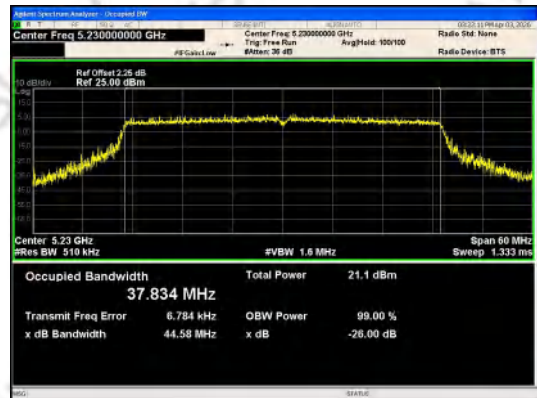
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



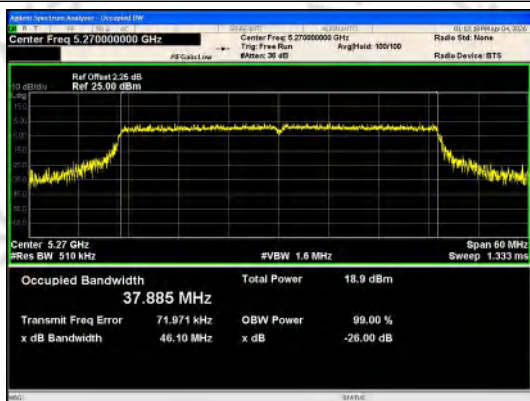
IEEE 802.11ax_Channel 120_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU

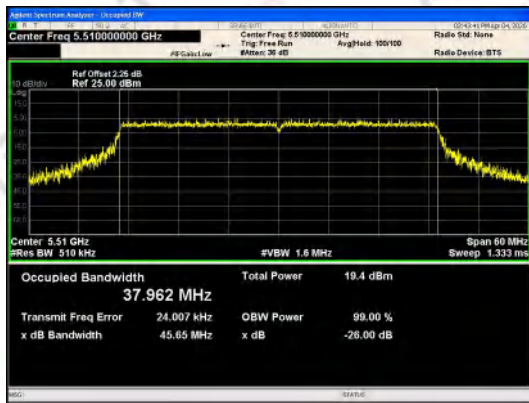


IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU

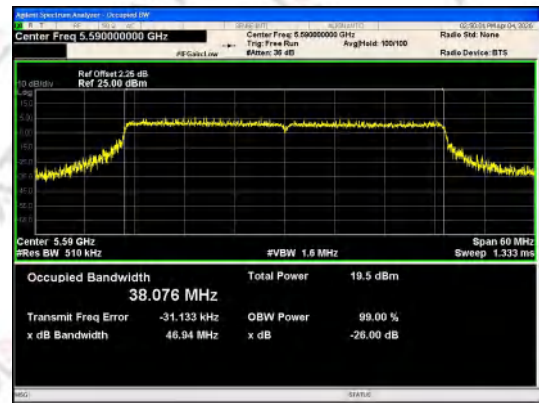


IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU

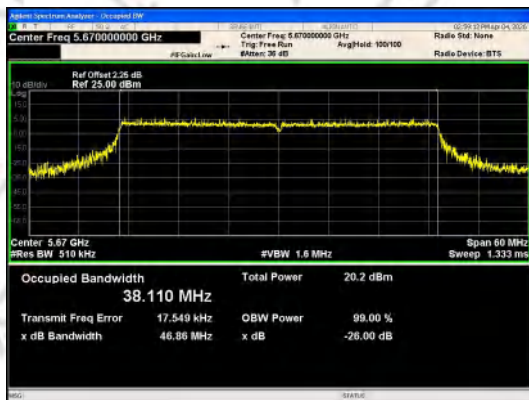
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 102_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 118_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 134_40MHz_Antenna
0_RU&Index SU

C2.Minimum Emission Bandwidth for U-NII-3

Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	N/A	0	5745	16.36	≥0.5	PASS
	157			5785	16.33		PASS
	165			5825	16.35		PASS
IEEE 802.11n_20	149			5745	17.56		PASS
	157			5785	17.57		PASS
	165			5825	17.57		PASS
IEEE 802.11n_40	151			5755	36.28		PASS
	159			5795	36.33		PASS
IEEE 802.11ac_20	149			5745	17.58		PASS
	157			5785	17.57		PASS
	165			5825	18.19		PASS
IEEE 802.11ac_40	151			5755	36.30		PASS
	159			5795	36.38		PASS
IEEE 802.11ax_20	149	SU		5745	18.99		PASS
	157			5785	19.07		PASS
	165			5825	18.86		PASS
IEEE 802.11ax_40	151			5755	37.86		PASS
	159			5795	37.95		PASS

Test Graphs



IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



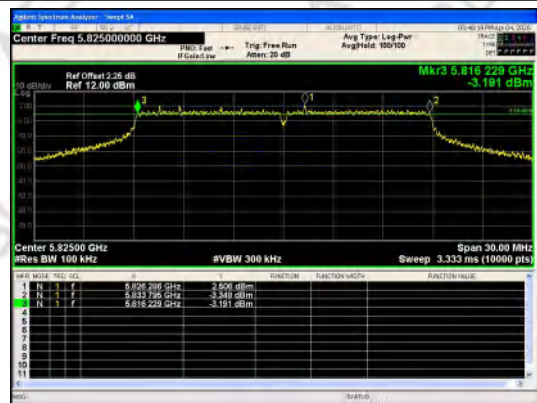
IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



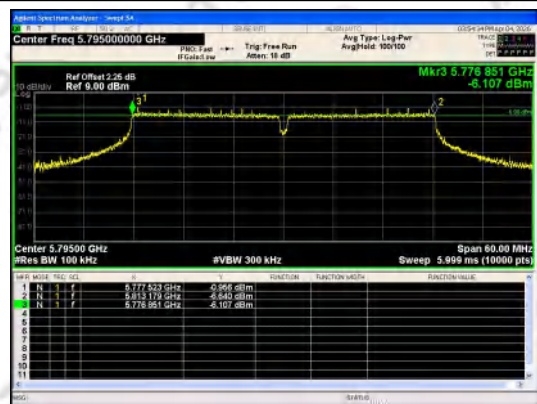
IEEE 802.11n_Channel 157_20MHz_Antenna 0



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



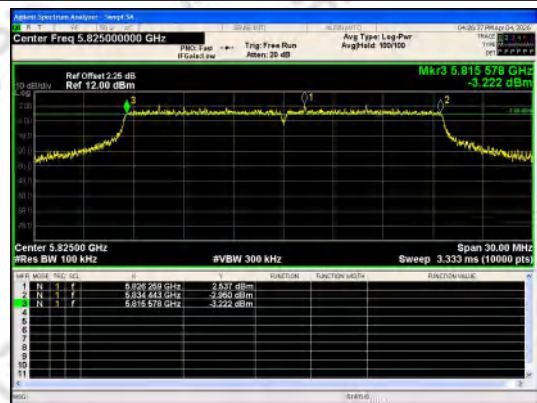
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



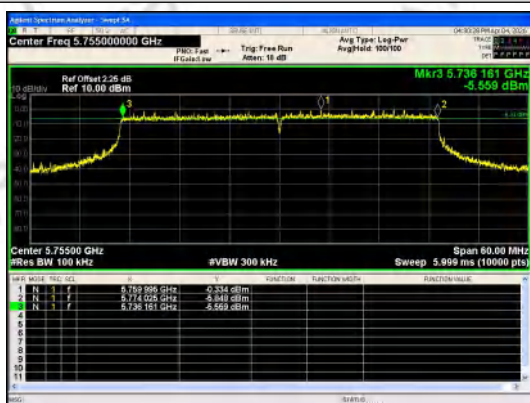
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



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



IEEE 802.11ax_Channel 159_40MHz_Antenna

C3.Maximum Conducted Average Output Power

Test Result

For Band1-Band3 test data:

Mode	Channel	Average Output Power (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	12.32	≤23.97	PASS
	40	12.04	≤23.97	PASS
	48	12.71	≤23.97	PASS
	52	12.77	≤23.97	PASS
	60	12.69	≤23.97	PASS
	64	13.26	≤23.97	PASS
	100	12.38	≤23.97	PASS
	120	12.12	≤23.97	PASS
	140	12.36	≤23.97	PASS
IEEE 802.11n_20	36	12.60	≤23.97	PASS
	40	12.14	≤23.97	PASS
	48	12.80	≤23.97	PASS
	52	13.62	≤23.97	PASS
	60	13.34	≤23.97	PASS
	64	12.97	≤23.97	PASS
	100	12.50	≤23.97	PASS
	120	11.92	≤23.97	PASS
	140	12.40	≤23.97	PASS
IEEE 802.11n_40	38	12.96	≤23.97	PASS
	46	14.26	≤23.97	PASS
	54	12.76	≤23.97	PASS
	62	13.40	≤23.97	PASS
	102	12.07	≤23.97	PASS
	118	12.37	≤23.97	PASS
	134	12.75	≤23.97	PASS
IEEE 802.11ac_20	36	13.03	≤23.97	PASS
	40	12.80	≤23.97	PASS
	48	13.60	≤23.97	PASS
	52	13.64	≤23.97	PASS
	60	13.57	≤23.97	PASS
	64	13.10	≤23.97	PASS
	100	12.85	≤23.97	PASS
	120	12.89	≤23.97	PASS
	140	12.41	≤23.97	PASS
IEEE 802.11ac_40	38	13.02	≤23.97	PASS
	46	13.81	≤23.97	PASS
	54	13.08	≤23.97	PASS

	62	12.26	≤23.97	PASS
	102	12.36	≤23.97	PASS
	118	12.44	≤23.97	PASS
	134	12.50	≤23.97	PASS
IEEE 802.11ax_20	36	13.51	≤23.97	PASS
	40	13.38	≤23.97	PASS
	48	13.91	≤23.97	PASS
	52	13.11	≤23.97	PASS
	60	12.53	≤23.97	PASS
	64	12.22	≤23.97	PASS
	100	12.60	≤23.97	PASS
	120	12.08	≤23.97	PASS
	140	12.35	≤23.97	PASS
IEEE 802.11ax_40	38	13.15	≤23.97	PASS
	46	13.88	≤23.97	PASS
	54	12.93	≤23.97	PASS
	62	12.39	≤23.97	PASS
	102	12.22	≤23.97	PASS
	118	12.38	≤23.97	PASS
	134	12.64	≤23.97	PASS

For Band4 test data:

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	11.81	≤30	PASS
	157	12.14	≤30	PASS
	165	12.65	≤30	PASS
IEEE 802.11n_20	149	11.81	≤30	PASS
	157	11.96	≤30	PASS
	165	12.71	≤30	PASS
IEEE 802.11n_40	151	12.99	≤30	PASS
	159	11.96	≤30	PASS
IEEE 802.11ac_20	149	12.64	≤30	PASS
	157	12.01	≤30	PASS
	165	12.73	≤30	PASS
IEEE 802.11ac_40	151	12.97	≤30	PASS
	159	11.88	≤30	PASS
IEEE 802.11ax_20	149	12.61	≤30	PASS
	157	11.84	≤30	PASS
	165	12.45	≤30	PASS
IEEE 802.11ax_40	151	12.73	≤30	PASS
	159	11.90	≤30	PASS

Note:

The Average Output Power test results already include the Duty Cycle Factor.

C4.Power Spectral Density

Test Result

For Band1-Band3 test data:

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz)	Duty Cycle Factor	Ant. 0 Corr'd PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	36	2.107	0.4005	2.508	11	PASS
	40	1.453	0.4005	1.854		PASS
	48	2.016	0.4024	2.418		PASS
	52	2.095	0.4005	2.496		PASS
	60	2.067	0.4005	2.468		PASS
	64	2.377	0.4005	2.777		PASS
	100	1.462	0.4005	1.863		PASS
	120	0.933	0.4005	1.334		PASS
	140	1.648	0.3972	2.045		PASS
IEEE 802.11n_20	36	1.929	0.4306	2.36		PASS
	40	1.290	0.4306	1.721		PASS
	48	2.041	0.4306	2.472		PASS
	52	2.799	0.4306	3.23		PASS
	60	2.518	0.4311	2.949		PASS
	64	1.971	0.4306	2.402		PASS
	100	1.103	0.4306	1.534		PASS
	120	0.549	0.4306	0.98		PASS
	140	1.281	0.4273	1.708		PASS
IEEE 802.11n_40	38	-0.799	0.4426	-0.356		PASS
	46	0.414	0.4431	0.857		PASS
	54	-1.156	0.4431	-0.713		PASS
	62	-0.347	0.4484	0.101		PASS
	102	-2.183	0.4465	-1.736		PASS
	118	-1.634	0.4484	-1.186		PASS
	134	-1.124	0.4465	-0.678		PASS
IEEE 802.11ac_20	36	2.335	0.4282	2.763		PASS
	40	2.182	0.4302	2.612		PASS
	48	2.792	0.4302	3.222		PASS
	52	2.819	0.4302	3.249		PASS
	60	2.737	0.4302	3.167		PASS
	64	2.513	0.4302	2.943		PASS
	100	1.225	0.4302	1.655		PASS
	120	1.526	0.4302	1.956		PASS
	140	1.148	0.4263	1.574		PASS
IEEE 802.11ac_40	38	-1.195	0.4465	-0.749		PASS
	46	0.331	0.446	0.777		PASS
	54	-1.062	0.4426	-0.619		PASS
	62	-1.564	0.4465	-1.118		PASS
	102	-1.953	0.4441	-1.509		PASS

	118	-1.443	0.4479	-0.995		PASS
	134	-1.171	0.4465	-0.725		PASS
IEEE 802.11ax_20	36	2.424	0.5596	2.984		PASS
	40	1.971	0.5596	2.531		PASS
	48	2.565	0.5601	3.125		PASS
	52	1.649	0.5567	2.206		PASS
	60	1.677	0.5567	2.234		PASS
	64	0.964	0.5596	1.524		PASS
	100	0.971	0.5552	1.526		PASS
	120	0.522	0.5601	1.082		PASS
	140	0.938	0.5547	1.493		PASS
IEEE 802.11ax_40	38	-1.063	0.5527	-0.51		PASS
	46	-0.065	0.5527	0.488		PASS
	54	-1.422	0.5527	-0.869		PASS
	62	-1.489	0.5552	-0.934		PASS
	102	-2.491	0.5547	-1.936		PASS
	118	-1.897	0.5601	-1.337		PASS
	134	-1.363	0.5616	-0.801		PASS

For the Band4 GHz bands test data:

Mode	Channel	Ant. 0 Meas PSD (dBm/500kHz)	Duty Cycle Factor	Ant. 0 Corr'd PSD (dBm/470kHz)	Ant. 0 Corr'd PSD (dBm/500kHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	149	-2.281	0.3972	-1.884	-1.62	30	PASS
	157	-1.682	0.3991	-1.283	-1.01		PASS
	165	-1.652	0.3972	-1.255	-0.99		PASS
IEEE 802.11n_20	149	-2.785	0.4292	-2.356	-2.09		PASS
	157	-2.149	0.4273	-1.722	-1.45		PASS
	165	-2.042	0.4273	-1.615	-1.35		PASS
IEEE 802.11n_40	151	-4.069	0.7816	-3.287	-3.02		PASS
	159	-5.222	0.4446	-4.777	-4.51		PASS
IEEE 802.11ac_20	149	-1.693	0.4302	-1.263	-0.99		PASS
	157	-2.157	0.4282	-1.729	-1.46		PASS
	165	-1.997	0.4282	-1.569	-1.30		PASS
IEEE 802.11ac_40	151	-4.232	0.4441	-3.788	-3.52		PASS
	159	-5.511	0.4441	-5.067	-4.80		PASS
IEEE 802.11ax_20	149	-1.484	0.5571	-0.927	-0.66		PASS
	157	-2.365	0.5601	-1.805	-1.54		PASS
	165	-2.129	0.5552	-1.574	-1.31		PASS
IEEE 802.11ax_40	151	-4.322	0.5576	-3.764	-3.50		PASS
	159	-5.513	0.5571	-4.956	-4.69		PASS

Note:

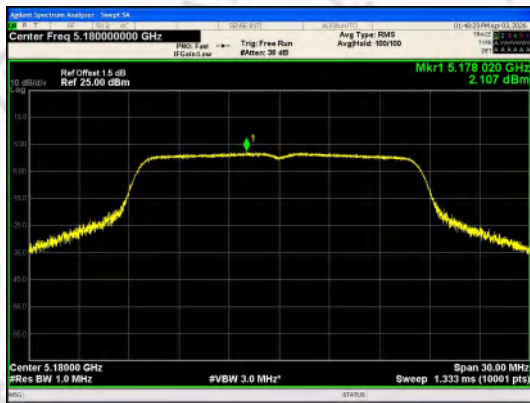
Corr'd PSD=Meas PSD+Duty Cycle Factor (dB).

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

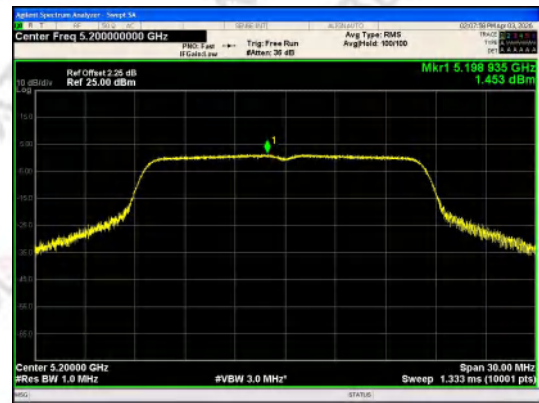
Ant. 0 Corr'd PSD (dBm/500kHz)=Ant. 0 Corr'd PSD (dBm/470kHz)+10*LOG(500/470)

Test Graphs

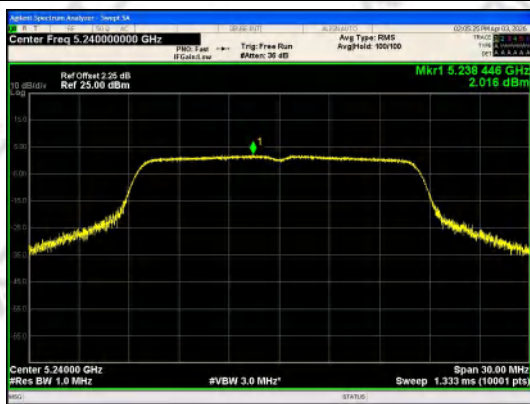
For Band1-Band3 test data:



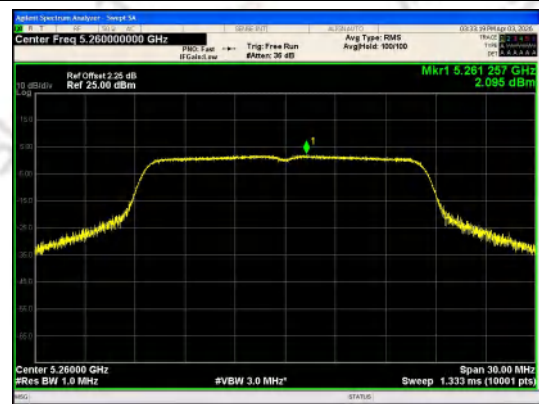
IEEE 802.11a_Channel 36_20MHz_Antenna 0



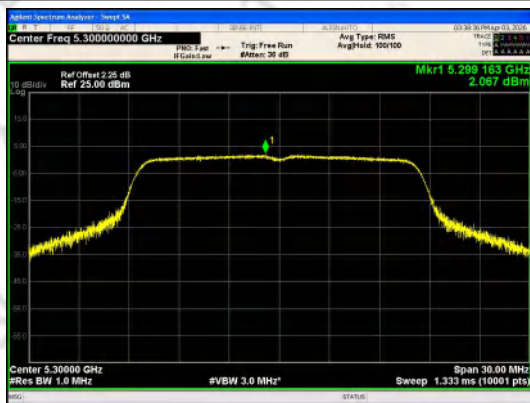
IEEE 802.11a_Channel 40_20MHz_Antenna 0



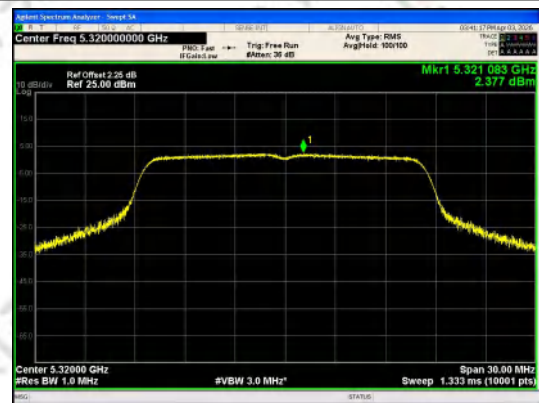
IEEE 802.11a_Channel 48_20MHz_Antenna 0



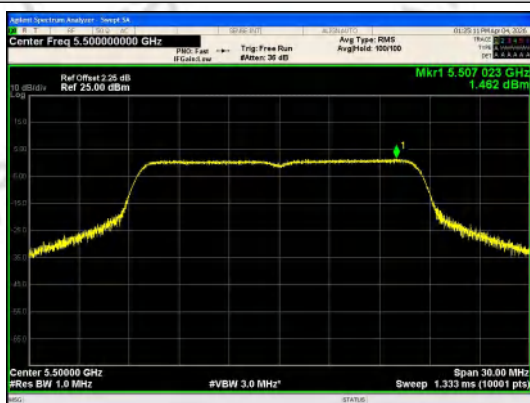
IEEE 802.11a_Channel 52_20MHz_Antenna 0



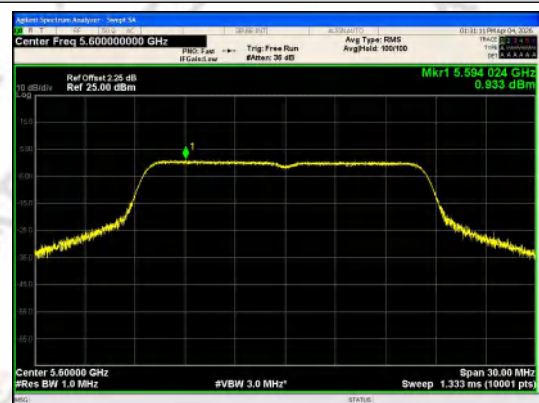
IEEE 802.11a_Channel 60_20MHz_Antenna 0



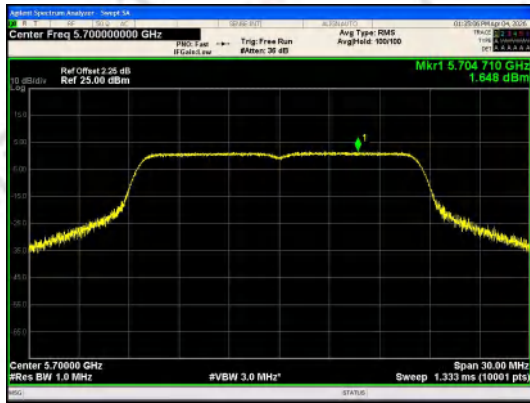
IEEE 802.11a_Channel 64_20MHz_Antenna 0



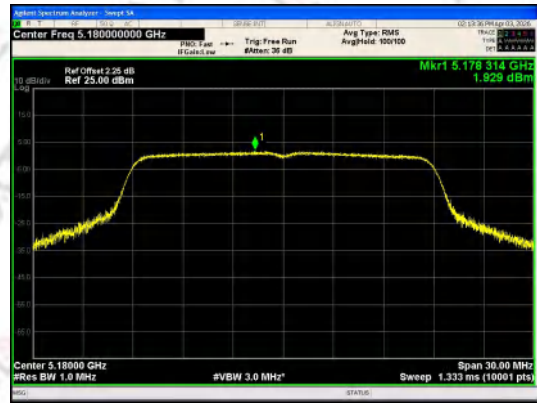
IEEE 802.11a_Channel 100_20MHz_Antenna 0



IEEE 802.11a_Channel 120_20MHz_Antenna 0



IEEE 802.11a_Channel 140_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



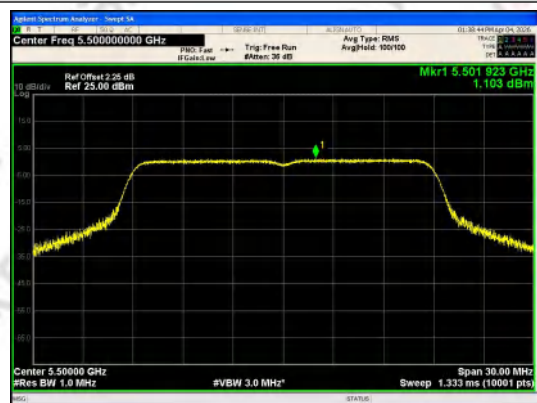
IEEE 802.11n_Channel 52_20MHz_Antenna 0



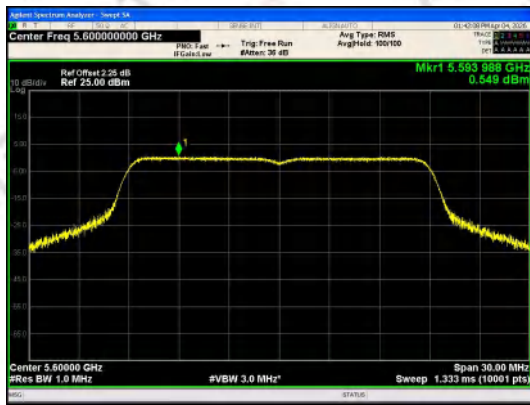
IEEE 802.11n_Channel 60_20MHz_Antenna 0



IEEE 802.11n_Channel 64_20MHz_Antenna 0



IEEE 802.11n_Channel 100_20MHz_Antenna 0



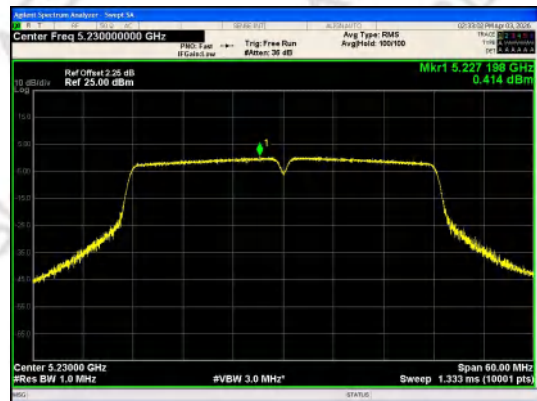
IEEE 802.11n_Channel 120_20MHz_Antenna 0



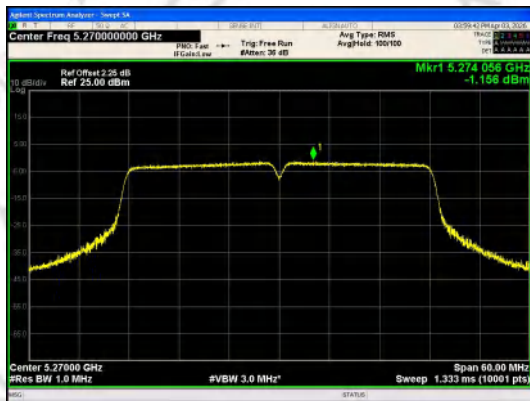
IEEE 802.11n_Channel 140_20MHz_Antenna 0



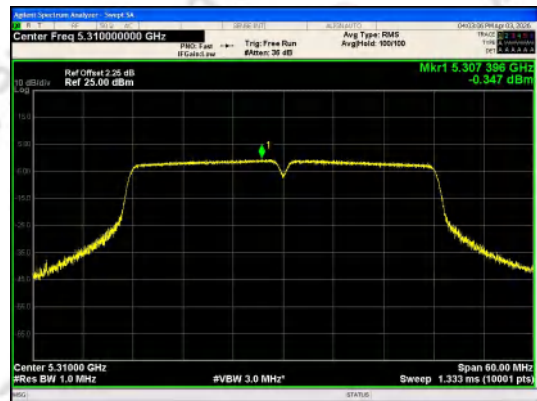
IEEE 802.11n_Channel 38_40MHz_Antenna 0



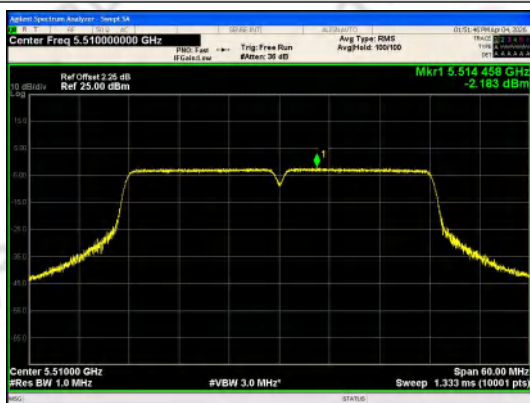
IEEE 802.11n_Channel 46_40MHz_Antenna 0



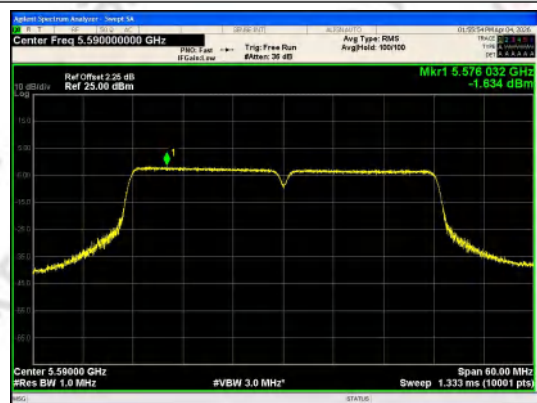
IEEE 802.11n_Channel 54_40MHz_Antenna 0



IEEE 802.11n_Channel 62_40MHz_Antenna 0



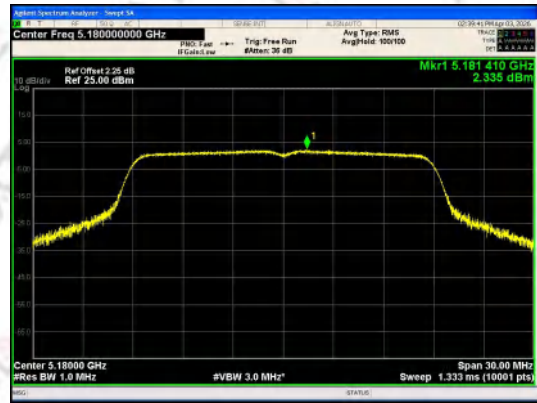
IEEE 802.11n_Channel 102_40MHz_Antenna 0



IEEE 802.11n_Channel 118_40MHz_Antenna 0



IEEE 802.11n_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 40_20MHz_Antenna 0



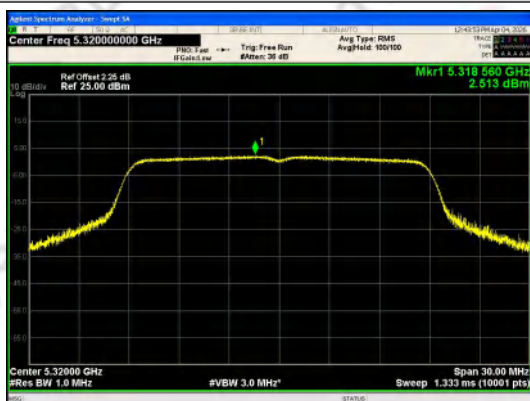
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



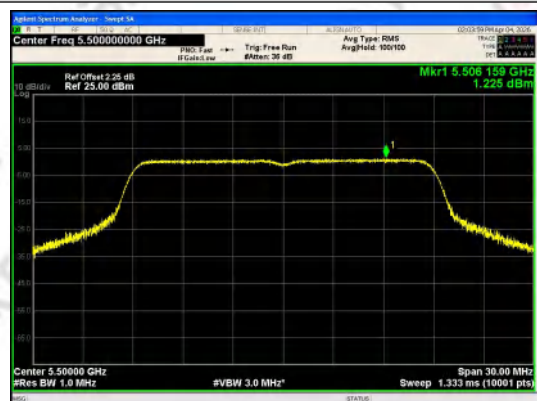
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



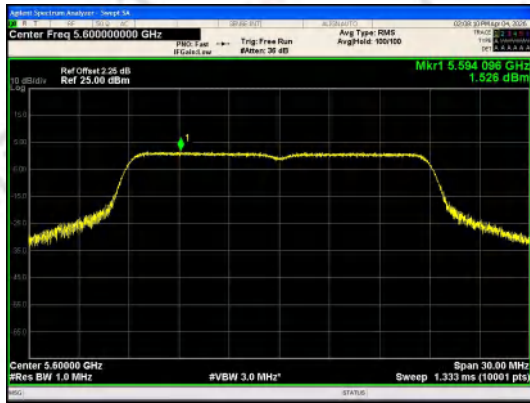
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



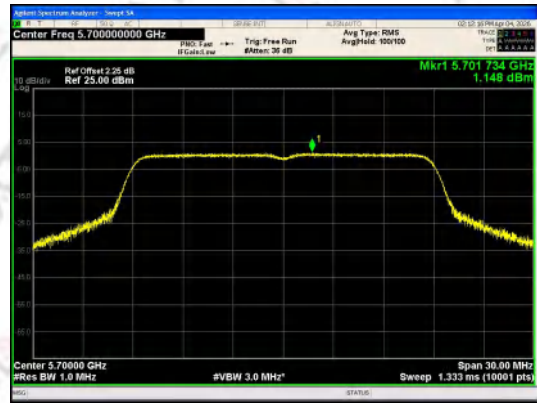
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



IEEE 802.11ac_Channel 100_20MHz_Antenna 0



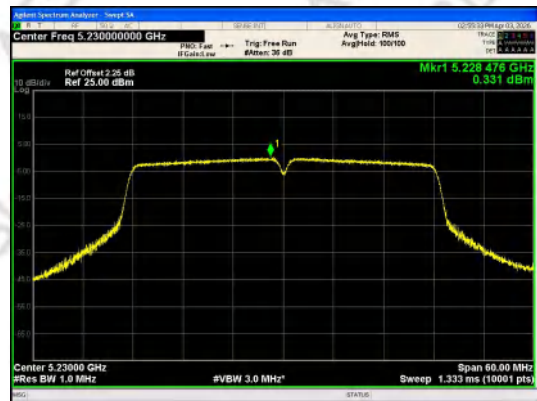
IEEE 802.11ac_Channel 120_20MHz_Antenna 0



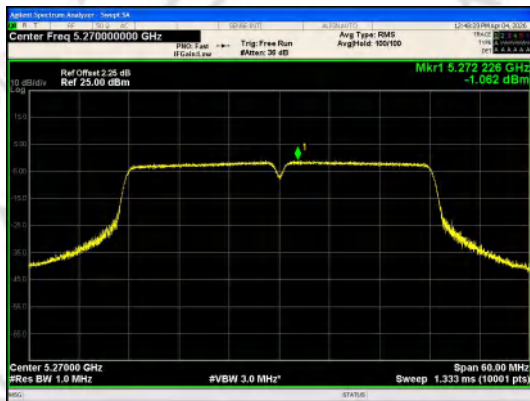
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



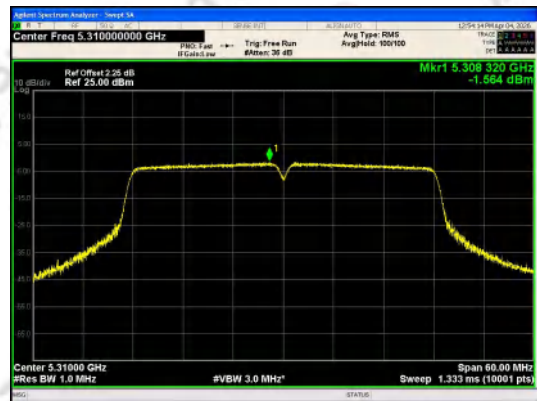
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



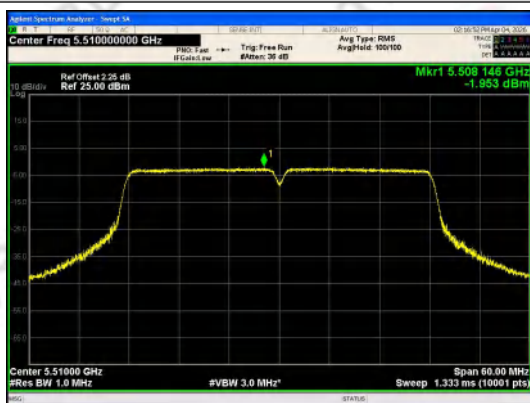
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 54_40MHz_Antenna 0



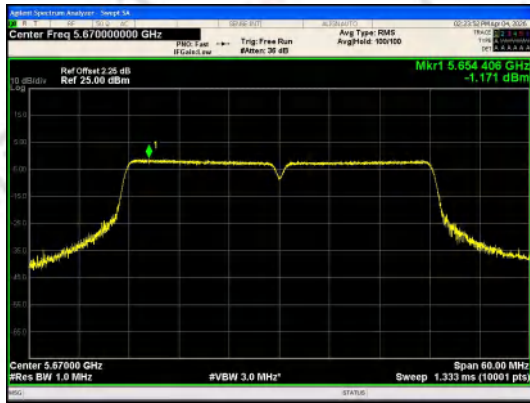
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



IEEE 802.11ac_Channel 102_40MHz_Antenna 0

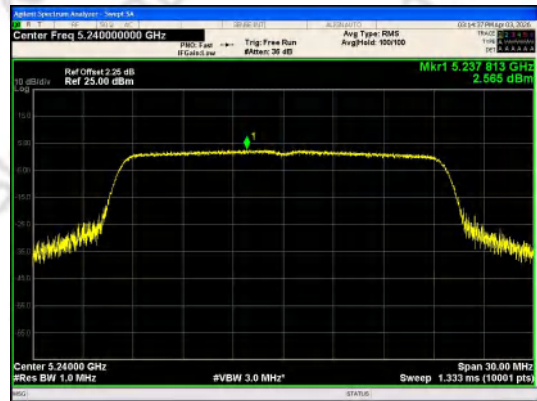


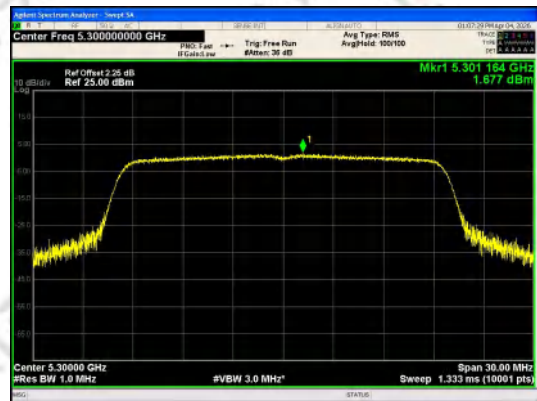
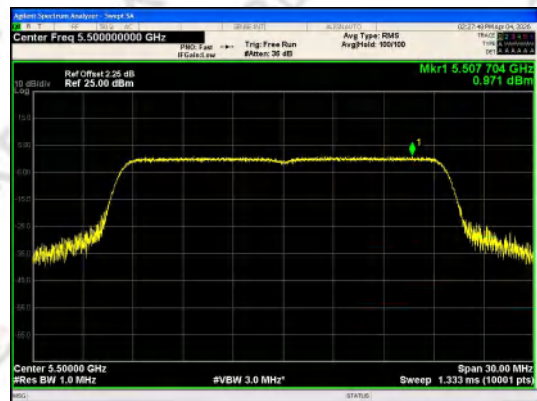
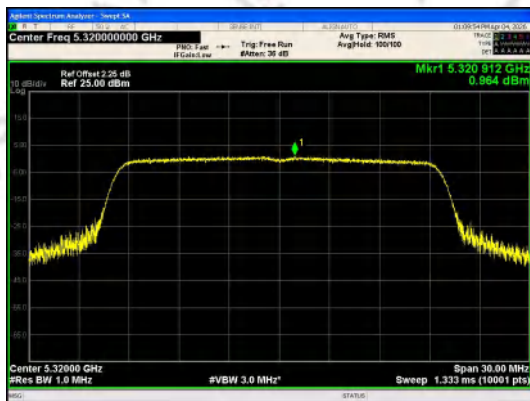
IEEE 802.11ac_Channel 118_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 0


IEEE 802.11ax_Channel 36_20MHz_Antenna
0_RU&Index SU

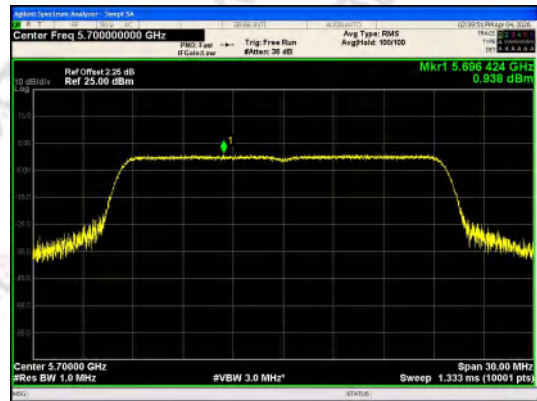
IEEE 802.11ax_Channel 40_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 48_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 52_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 60_20MHz_Antenna
0_RU&Index SU


IEEE 802.11ax_Channel 64_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 100_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 120_20MHz_Antenna
0_RU&Index SU



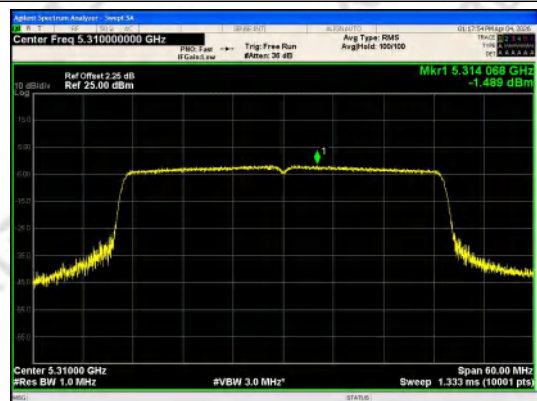
IEEE 802.11ax_Channel 140_20MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 38_40MHz_Antenna
0_RU&Index SU

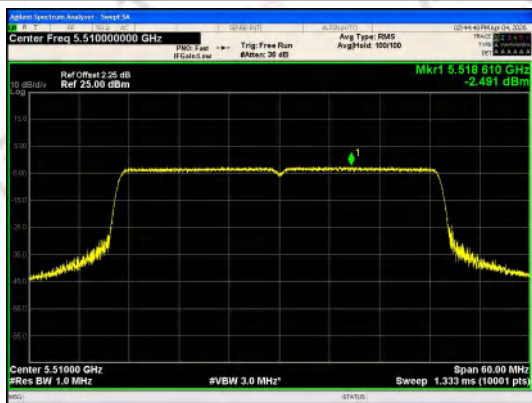


IEEE 802.11ax_Channel 46_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 54_40MHz_Antenna
0_RU&Index SU

IEEE 802.11ax_Channel 62_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 102_40MHz_Antenna
0_RU&Index SU

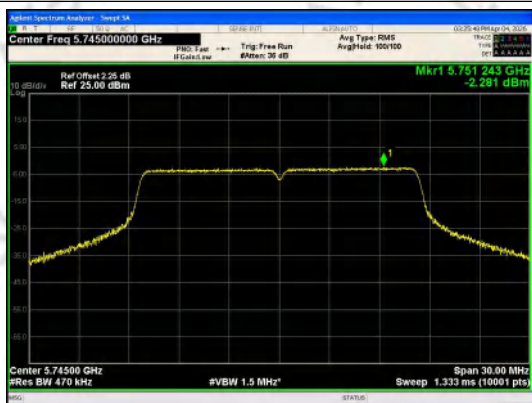


IEEE 802.11ax_Channel 118_40MHz_Antenna
0_RU&Index SU

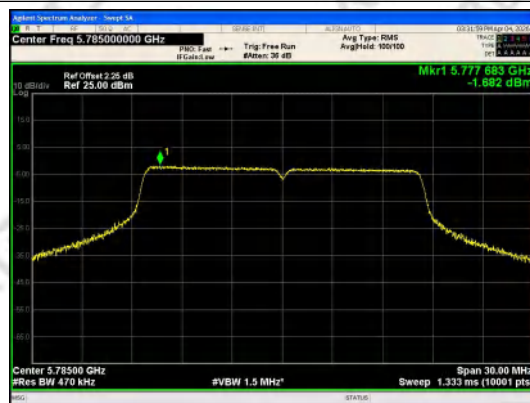


IEEE 802.11ax_Channel 134_40MHz_Antenna
0_RU&Index SU

For Band4 test data:



IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 157_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 0



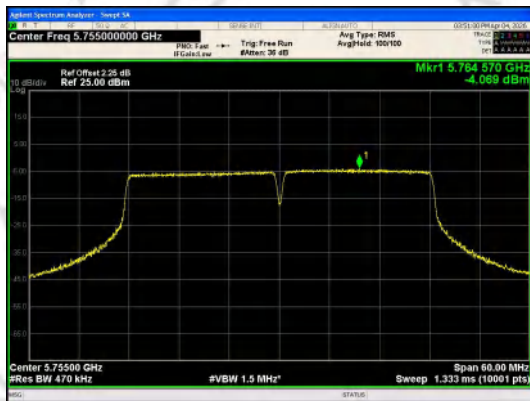
IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 0



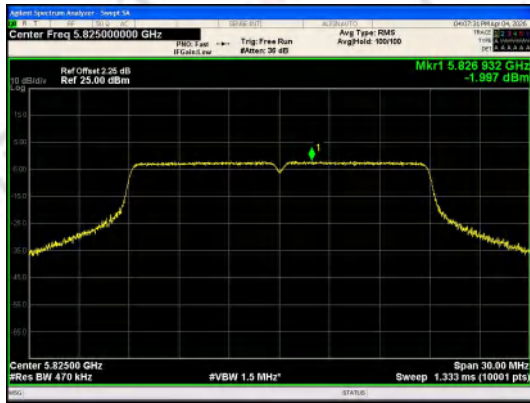
IEEE 802.11n_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 157_20MHz_Antenna 0



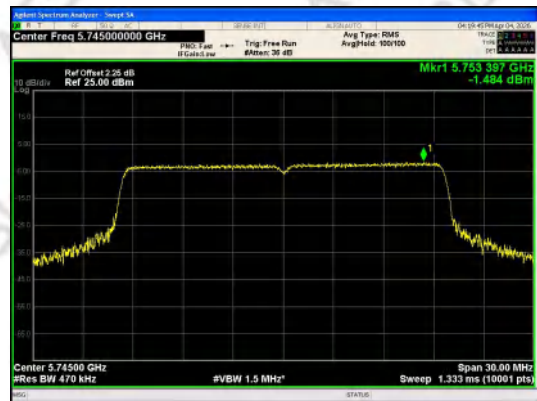
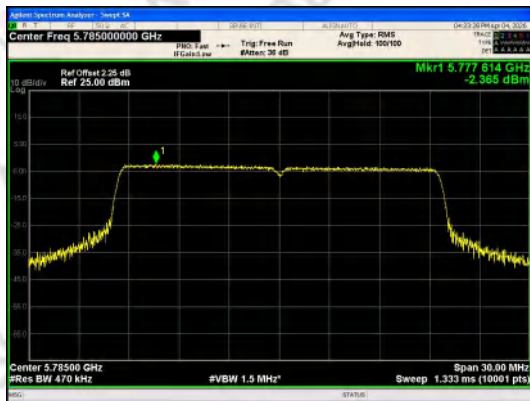
IEEE 802.11ac_Channel 165_20MHz_Antenna 0

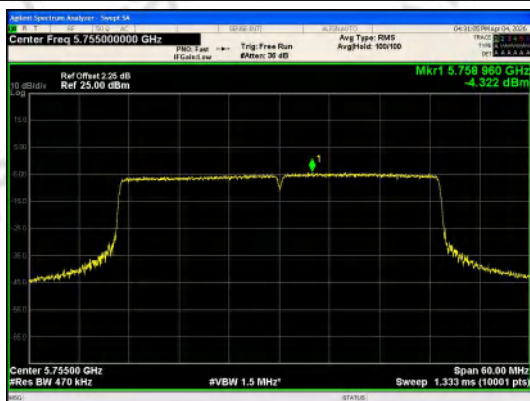


IEEE 802.11ac_Channel 151_40MHz_Antenna 0

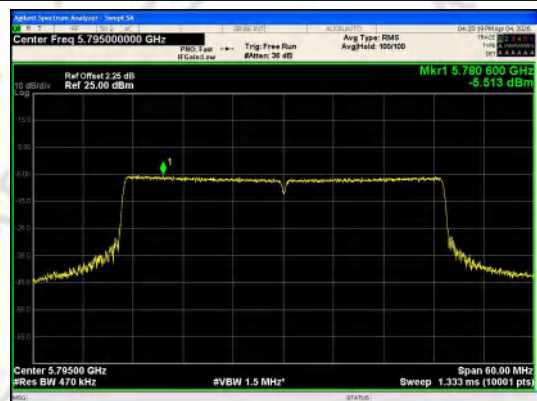


IEEE 802.11ac_Channel 159_40MHz_Antenna 0


IEEE 802.11ax_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



IEEE 802.11ax_Channel 159_40MHz_Antenna

C5.Duty Cycle

Test Result

For Band1-Band3 test data:

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	0	5.374	5.893	91.19	0.9119	0.4005
		40			5.372	5.891	91.19	0.9119	0.4005
		48			5.372	5.893	91.15	0.9115	0.4024
		52			5.374	5.893	91.19	0.9119	0.4005
		60			5.374	5.893	91.19	0.9119	0.4005
		64			5.372	5.891	91.19	0.9119	0.4005
		100			5.374	5.893	91.19	0.9119	0.4005
		120			5.374	5.893	91.19	0.9119	0.4005
		140			5.374	5.889	91.26	0.9126	0.3972
IEEE 802.11n_20		36	N/A	0	4.978	5.497	90.56	0.9056	0.4306
		40			4.978	5.497	90.56	0.9056	0.4306
		48			4.978	5.497	90.56	0.9056	0.4306
		52			4.978	5.497	90.56	0.9056	0.4306
		60			4.975	5.494	90.55	0.9055	0.4311
		64			4.978	5.497	90.56	0.9056	0.4306
		100			4.978	5.497	90.56	0.9056	0.4306
		120			4.978	5.497	90.56	0.9056	0.4306
		140			4.978	5.492	90.63	0.9063	0.4273
IEEE 802.11n_40	MCS 0	38	N/A	0	4.794	5.309	90.31	0.9031	0.4426
		46			4.792	5.306	90.30	0.9030	0.4431
		54			4.792	5.306	90.30	0.9030	0.4431
		62			4.792	5.313	90.19	0.9019	0.4484
		102			4.794	5.313	90.23	0.9023	0.4465
		118			4.792	5.313	90.19	0.9019	0.4484
		134			4.792	5.311	90.23	0.9023	0.4465
IEEE 802.11ac_20		36	N/A	0	4.984	5.501	90.61	0.9061	0.4282
		40			4.984	5.503	90.57	0.9057	0.4302
		48			4.984	5.503	90.57	0.9057	0.4302
		52			4.984	5.503	90.57	0.9057	0.4302
		60			4.987	5.506	90.57	0.9057	0.4302
		64			4.984	5.503	90.57	0.9057	0.4302
		100			4.987	5.506	90.57	0.9057	0.4302
		120			4.987	5.506	90.57	0.9057	0.4302
		140			4.987	5.501	90.65	0.9065	0.4263
IEEE 802.11ac_40		38	N/A	0	4.796	5.315	90.23	0.9023	0.4465
		46			4.799	5.318	90.24	0.9024	0.446
		54			4.796	5.311	90.31	0.9031	0.4426
		62			4.796	5.315	90.23	0.9023	0.4465

		102			4.799	5.315	90.28	0.9028	0.4441
		118			4.796	5.318	90.20	0.9020	0.4479
		134			4.796	5.315	90.23	0.9023	0.4465
IEEE 802.11ax_20		36	SU		3.792	4.313	87.91	0.8791	0.5596
		40			3.790	4.312	87.91	0.8791	0.5596
		48			3.789	4.310	87.90	0.8790	0.5601
		52			3.794	4.313	87.97	0.8797	0.5567
		60			3.794	4.313	87.97	0.8797	0.5567
		64			3.792	4.313	87.91	0.8791	0.5596
		100			3.790	4.307	88.00	0.8800	0.5552
		120			3.789	4.310	87.90	0.8790	0.5601
		140			3.792	4.309	88.01	0.8801	0.5547
		38			3.792	4.307	88.05	0.8805	0.5527
		46			3.790	4.304	88.05	0.8805	0.5527
IEEE 802.11ax_40		54			3.792	4.307	88.05	0.8805	0.5527
		62			3.789	4.306	88.00	0.8800	0.5552
		102			3.792	4.309	88.01	0.8801	0.5547
		118			3.789	4.310	87.90	0.8790	0.5601
		134			3.789	4.312	87.87	0.8787	0.5616

For Band4 test data:

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	0	5.372	5.887	91.26	0.9126	0.3972
		157			5.372	5.889	91.22	0.9122	0.3991
		165			5.372	5.887	91.26	0.9126	0.3972
IEEE 802.11n_20	149	4.978			5.494	90.59	0.9059	0.4292	
	157	4.978			5.492	90.63	0.9063	0.4273	
	165	4.978			5.492	90.63	0.9063	0.4273	
IEEE 802.11n_40	151	4.794			5.739	83.53	0.8353	0.7816	
	159	4.794			5.311	90.27	0.9027	0.4446	
IEEE 802.11ac_20	MCS 0	149			4.984	5.503	90.57	0.9057	0.4302
		157			4.984	5.501	90.61	0.9061	0.4282
		165			4.984	5.501	90.61	0.9061	0.4282
IEEE 802.11ac_40		151			4.799	5.315	90.28	0.9028	0.4441
		159			4.799	5.315	90.28	0.9028	0.4441
IEEE 802.11ax_20		149			3.792	4.311	87.96	0.8796	0.5571
		157			3.789	4.310	87.90	0.8790	0.5601
		165			3.790	4.307	88.00	0.8800	0.5552
IEEE 802.11ax_40		151			3.790	4.309	87.95	0.8795	0.5576
		159			3.792	4.311	87.96	0.8796	0.5571

Test Graphs

For Band1-Band3 test data:



IEEE 802.11a_20MHz_Channel 36



IEEE 802.11a_20MHz_Channel 40



IEEE 802.11a_20MHz_Channel 48



IEEE 802.11a_20MHz_Channel 52



IEEE 802.11a_20MHz_Channel 60



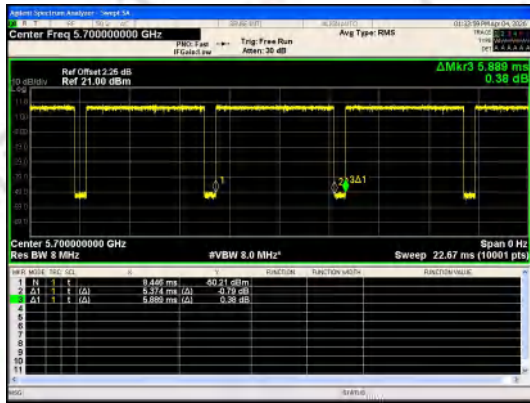
IEEE 802.11a_20MHz_Channel 64



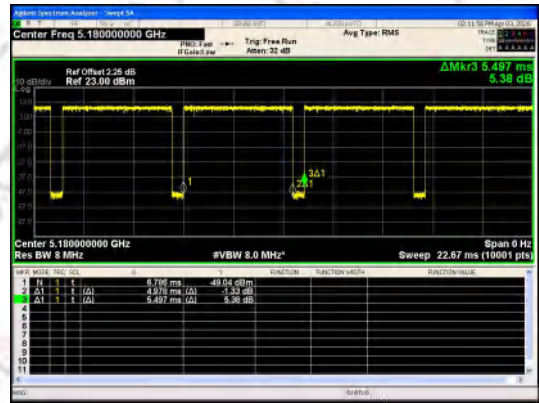
IEEE 802.11a_20MHz_Channel 100



IEEE 802.11a_20MHz_Channel 120



IEEE 802.11a_20MHz_Channel 140



IEEE 802.11n_20MHz_Channel 36



IEEE 802.11n_20MHz_Channel 40



IEEE 802.11n_20MHz_Channel 48



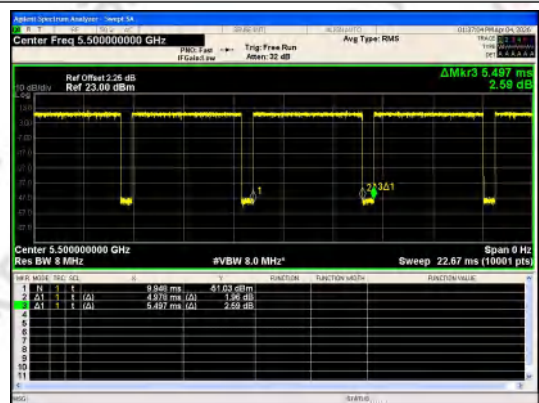
IEEE 802.11n_20MHz_Channel 52



IEEE 802.11n_20MHz_Channel 60



IEEE 802.11n_20MHz_Channel 64



IEEE 802.11n_20MHz_Channel 100



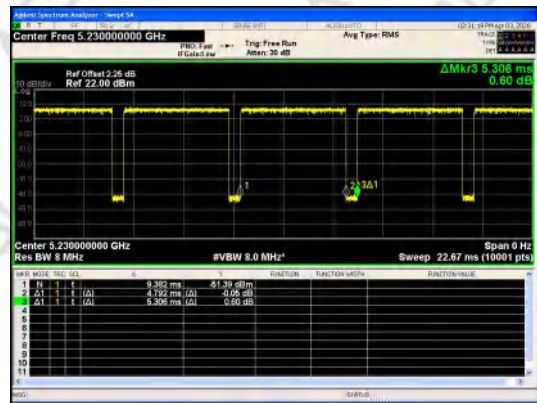
IEEE 802.11n_20MHz_Channel 120

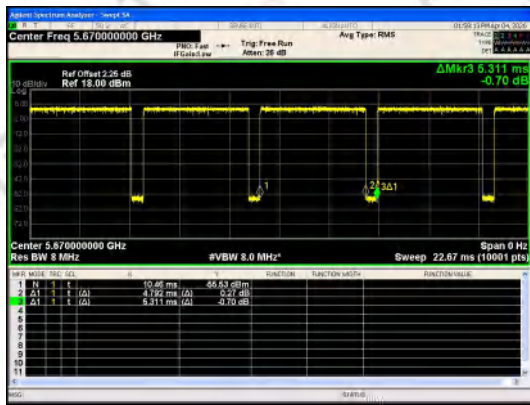


IEEE 802.11n_20MHz_Channel 140



IEEE 802.11n_40MHz_Channel 38

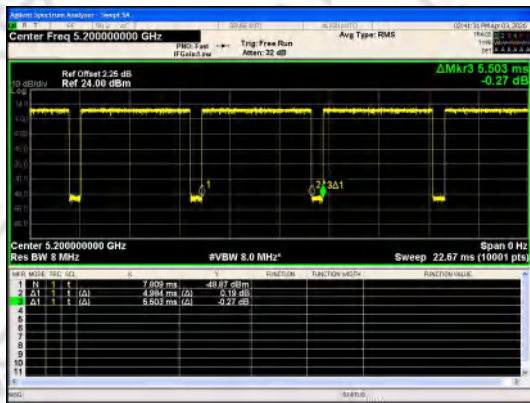




IEEE 802.11n_40MHz_Channel 134

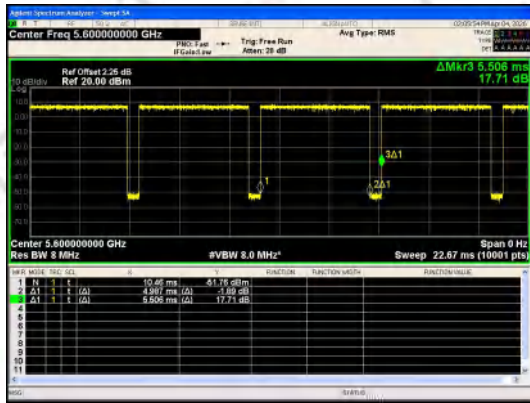


IEEE 802.11ac_20MHz_Channel 36

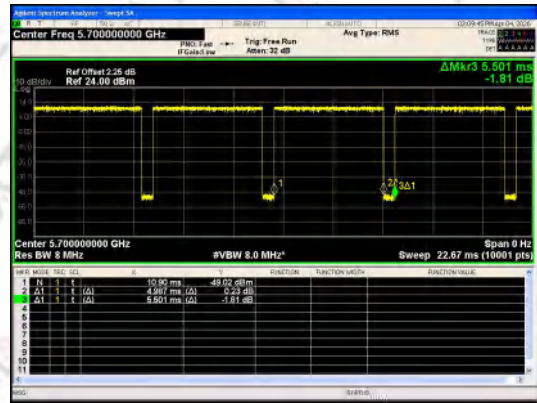


IEEE 802.11ac_20MHz_Channel 40

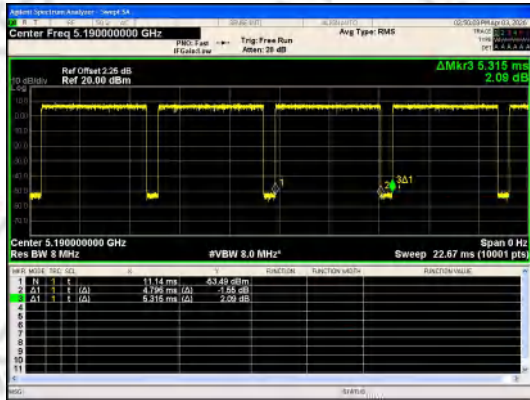




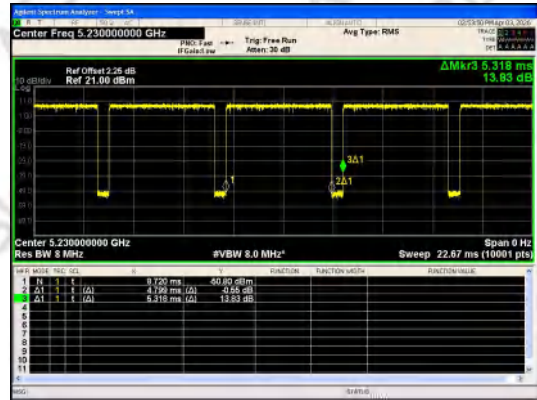
IEEE 802.11ac_20MHz_Channel 120

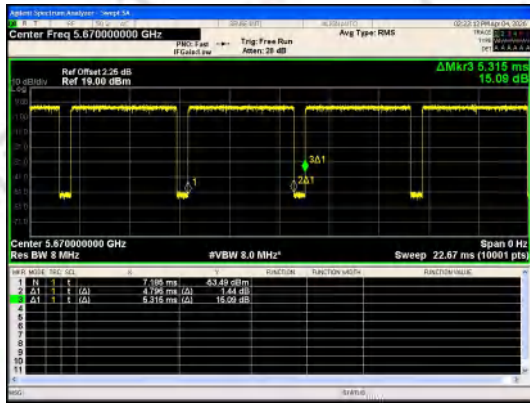


IEEE 802.11ac_20MHz_Channel 140

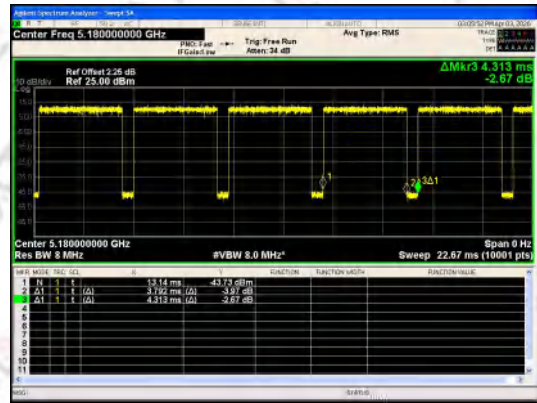


IEEE 802.11ac_40MHz_Channel 38

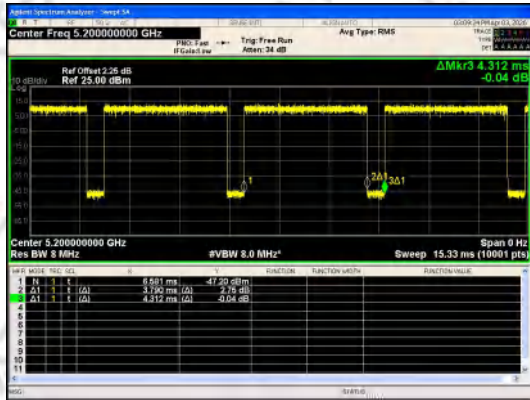




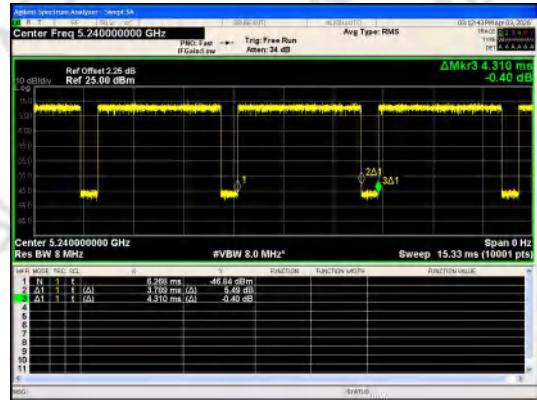
IEEE 802.11ac_40MHz_Channel 134

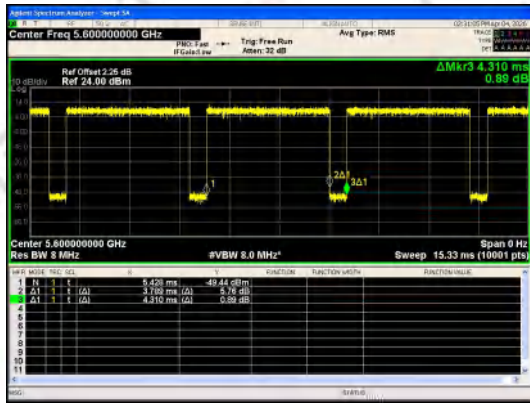


IEEE 802.11ax_20MHz_Channel 36

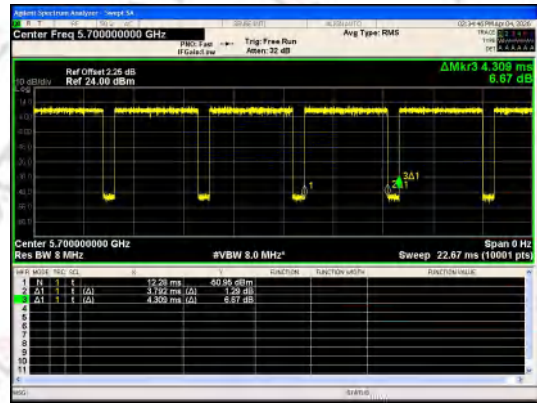


IEEE 802.11ax_20MHz_Channel 40

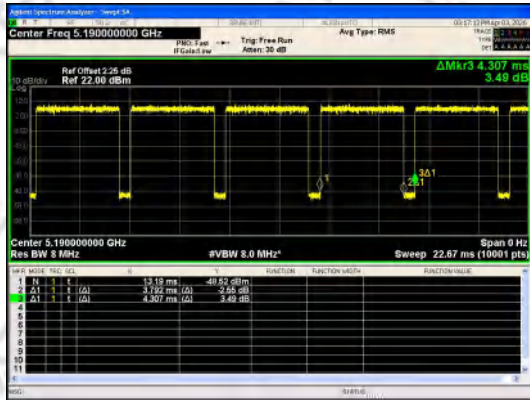




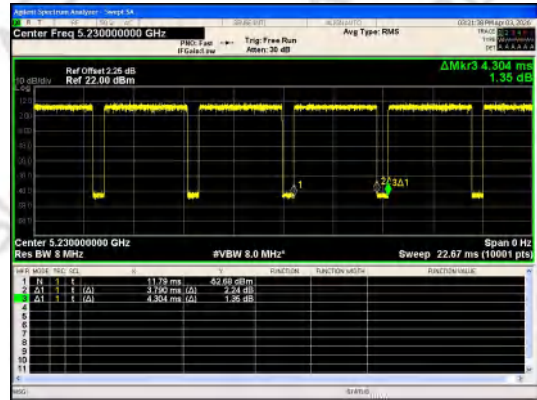
IEEE 802.11ax_20MHz_Channel 120



IEEE 802.11ax_20MHz_Channel 140



IEEE 802.11ax_40MHz_Channel 38



IEEE 802.11ax_40MHz_Channel 46



IEEE 802.11ax_40MHz_Channel 54



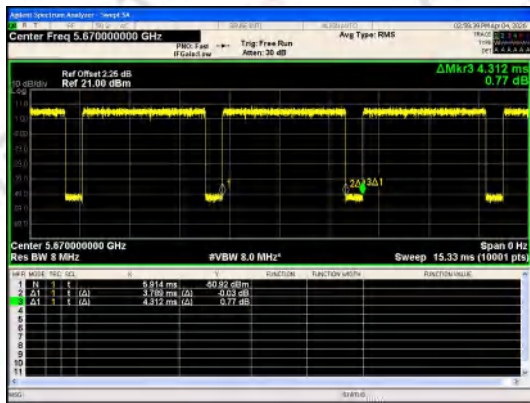
IEEE 802.11ax_40MHz_Channel 62



IEEE 802.11ax_40MHz_Channel 102



IEEE 802.11ax_40MHz_Channel 118



IEEE 802.11ax_40MHz_Channel 134

For Band4 test data:



IEEE 802.11a_20MHz_Channel 149



IEEE 802.11a_20MHz_Channel 157



IEEE 802.11a_20MHz_Channel 165



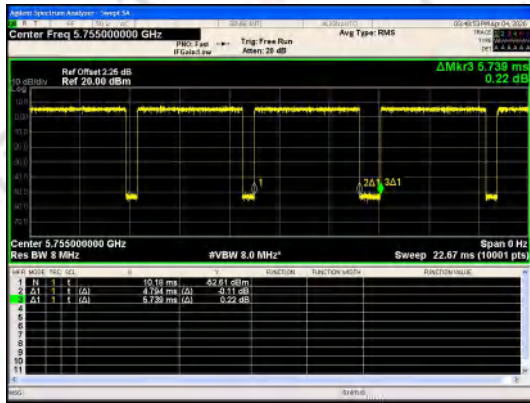
IEEE 802.11n_20MHz_Channel 149



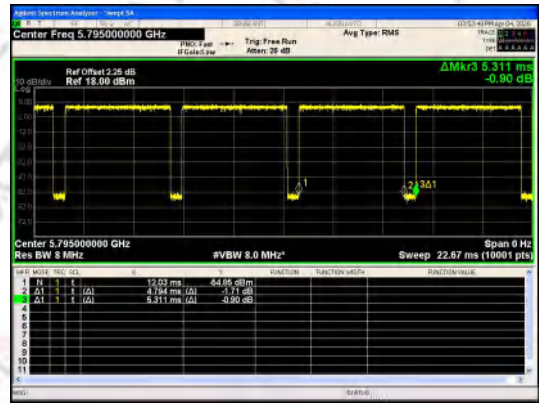
IEEE 802.11n_20MHz_Channel 157



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



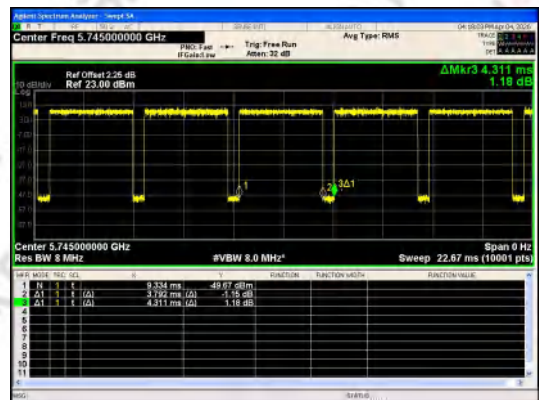
IEEE 802.11ac_20MHz_Channel 165



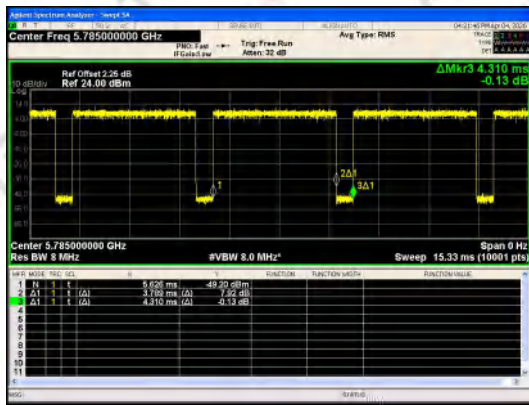
IEEE 802.11ac_40MHz_Channel 151



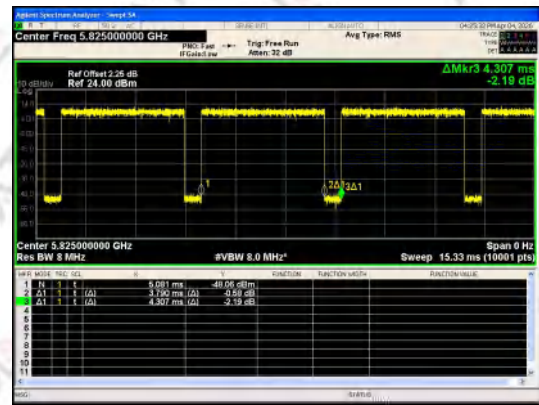
IEEE 802.11ac_40MHz_Channel 159



IEEE 802.11ax_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

*****END*****