Appendix Report A

Report No.:	CISRR25011311004
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

Test Result

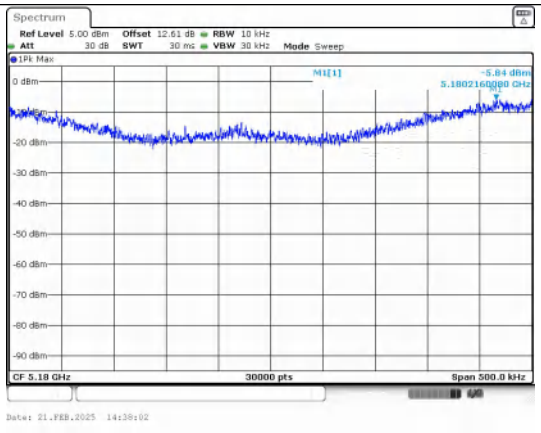
Condition	Mode	Ch.	RU & Index	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	N/A	0	5180.0	5180.216008	41.7	Within authorized band	PASS
		40			5200.0	5200.234842	45.16		PASS
		48			5240.0	5240.231542	44.19		PASS
		52			5260.0	5260.240892	45.8		PASS
		60			5300.0	5300.223392	42.15		PASS
		64			5320.0	5320.226208	42.52		PASS
	IEEE 802.11n_20	36			5180.0	5180.237375	45.83		PASS
		40			5200.0	5200.247692	47.63		PASS
		48			5240.0	5240.247158	47.17		PASS
		52			5260.0	5260.230725	43.86		PASS
		60			5300.0	5300.237175	44.75		PASS
		64			5320.0	5320.244908	46.04		PASS
	IEEE 802.11n_40	38			5190.0	5190.245758	47.35		PASS
		46			5230.0	5229.976858	-4.42		PASS
		54			5270.0	5270.179858	34.13		PASS
		62			5310.0	5310.245042	46.15		PASS
	IEEE 802.11ac_20	36			5180.0	5180.230525	44.5		PASS
		40			5200.0	5200.229825	44.2		PASS
		48			5240.0	5240.242508	46.28		PASS
		52			5260.0	5260.226092	42.98		PASS
		60			5300.0	5300.235208	44.38		PASS
		64			5320.0	5320.191892	36.07		PASS
	IEEE 802.11ac_40	38			5190.0	5190.177125	34.13		PASS
		46			5230.0	5230.231108	44.19		PASS
		54			5270.0	5270.187358	35.55		PASS

		62			5310.0	5309.980375	-3.7		PASS
	IEEE 802.11ac_80	42			5210.0	5210.227875	43.74		PASS
		58			5290.0	5290.231025	43.67		PASS
	IEEE 802.11ax_20	36	SU		5180.0	5179.762442	-45.86		PASS
		40			5200.0	5199.825042	-33.65		PASS
		48			5240.0	5240.235958	45.03		PASS
		52			5260.0	5260.240392	45.7		PASS
		60			5300.0	5300.148558	28.03		PASS
		64			5320.0	5320.242192	45.52		PASS
		100			5500.0	5500.242758	44.14		PASS
		116			5580.0	5580.240508	43.1		PASS
		140			5700.0	5699.806492	-33.95		PASS
	IEEE 802.11ax_40	38			5190.0	5189.768675	-44.57		PASS
		46			5230.0	5229.762842	-45.35		PASS
		54			5270.0	5270.224442	42.59		PASS
		62			5310.0	5309.761125	-44.99		PASS
		102			5510.0	5509.756408	-44.21		PASS
		110			5550.0	5550.214308	38.61		PASS
		134			5670.0	5669.762558	-41.88		PASS
	IEEE 802.11ax_80	42			5210.0	5209.760808	-45.91		PASS
		58			5290.0	5289.759958	-45.38		PASS
		106			5530.0	5529.760808	-43.25		PASS
		122			5610.0	5609.757192	-43.28		PASS

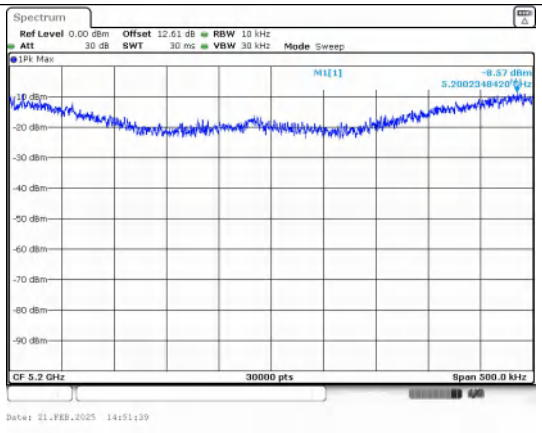
Test Graphs

NT/NV

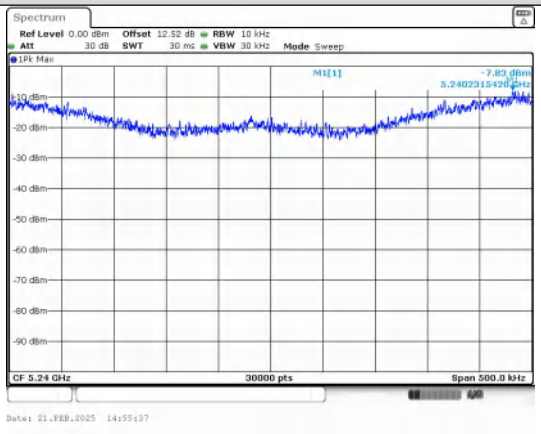
IEEE 802.11a



NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz



NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz



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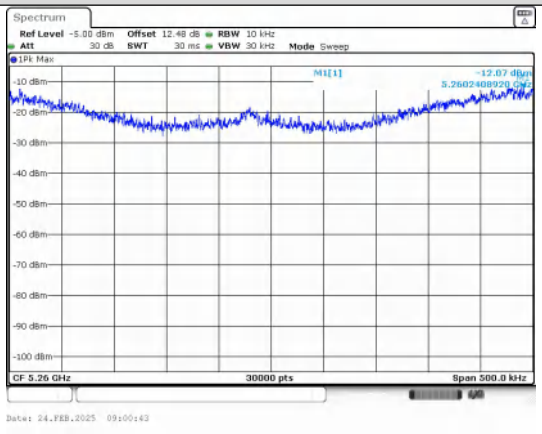

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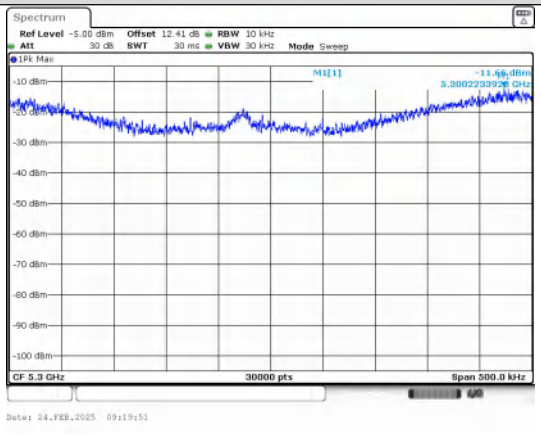

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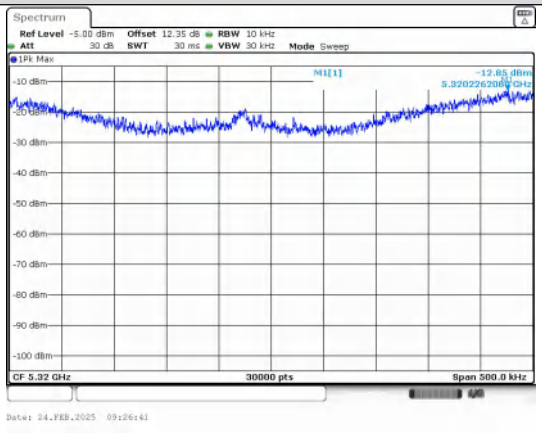

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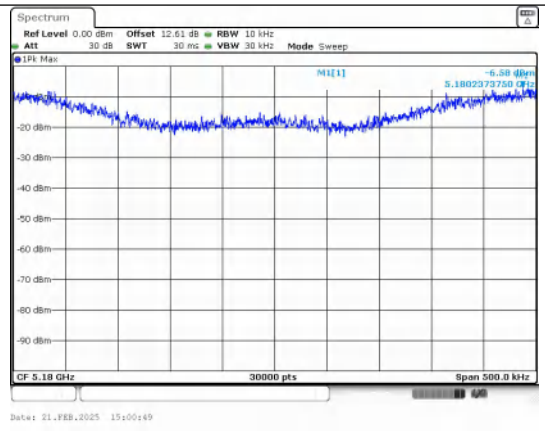
IEEE 802.11n_20



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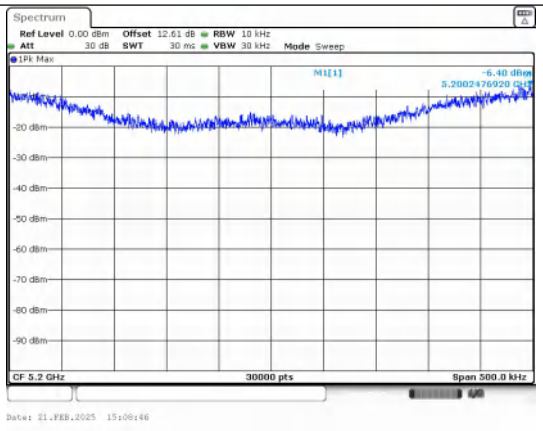

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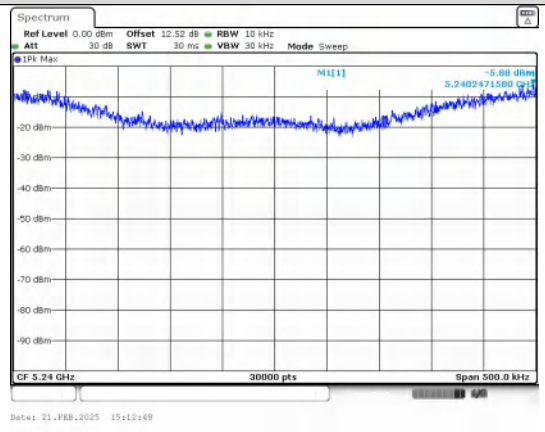

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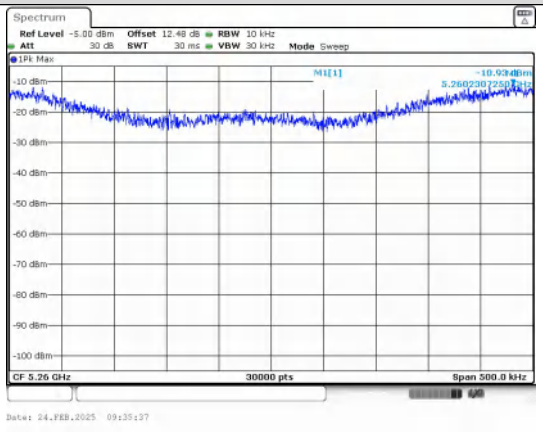

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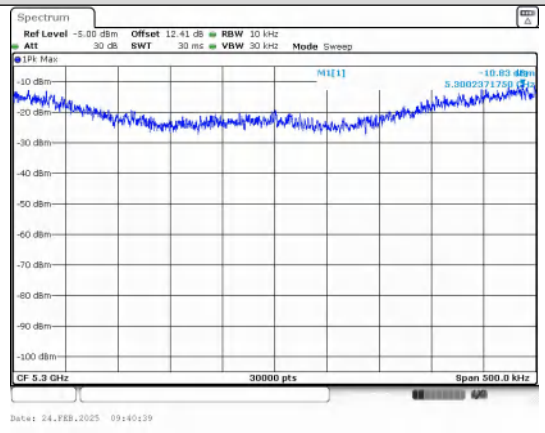

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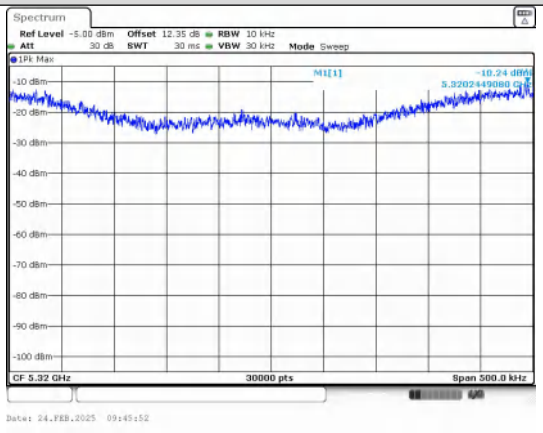
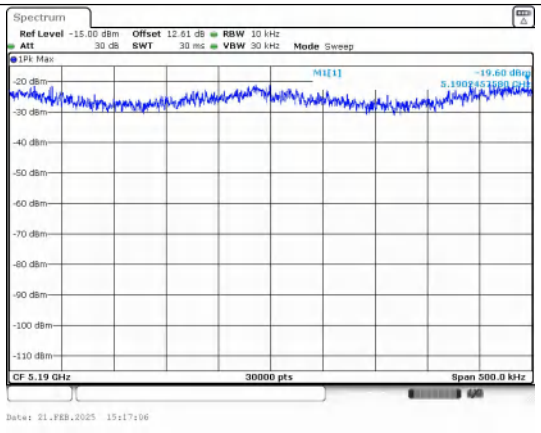
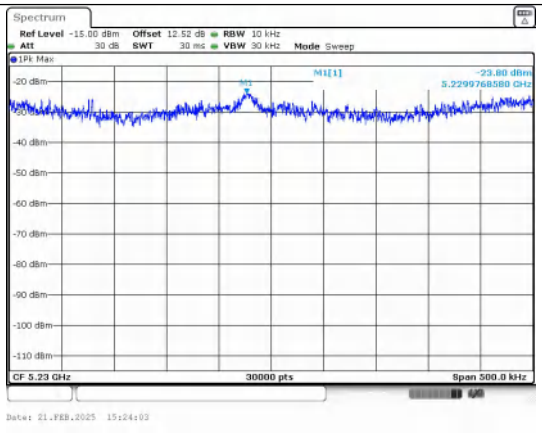
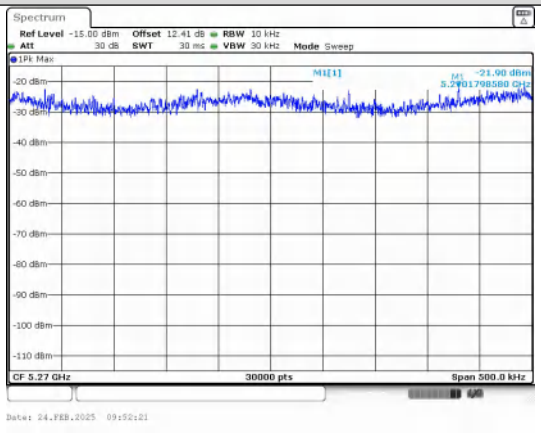
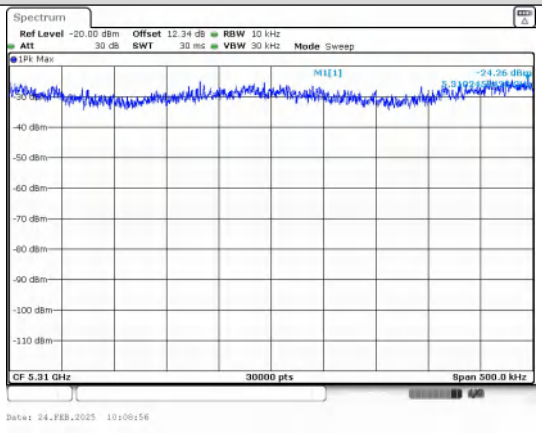
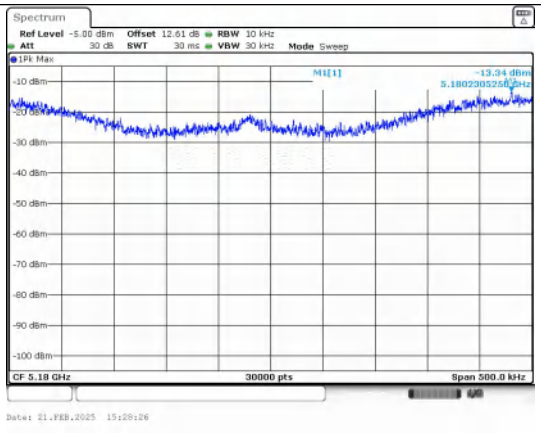


NT/NV_Antenna 0
IEEE 802.11n_Channel 64_20MHz

IEEE 802.11n_40

	
NT/NV_Antenna 0 **IEEE 802.11n_Channel 38_40MHz**	**NT/NV_Antenna 0** **IEEE 802.11n_Channel 46_40MHz**
	
NT/NV_Antenna 0 **IEEE 802.11n_Channel 54_40MHz**	**NT/NV_Antenna 0** **IEEE 802.11n_Channel 62_40MHz**

IEEE 802.11ac_20



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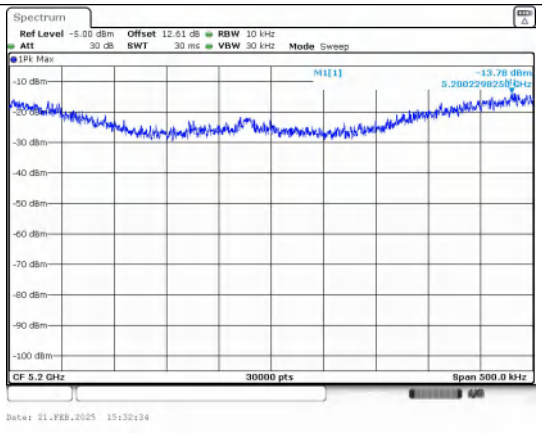

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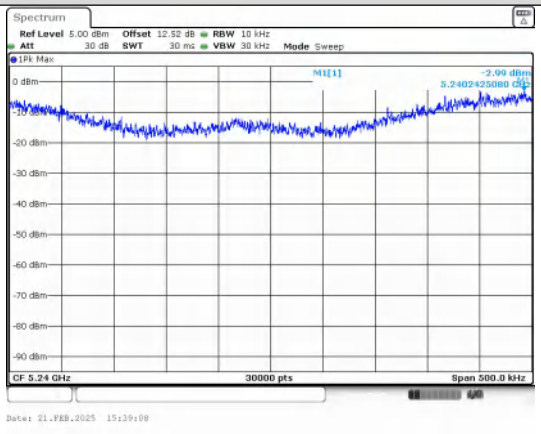
IEEE 802.11ac_Channel 40_20MHz



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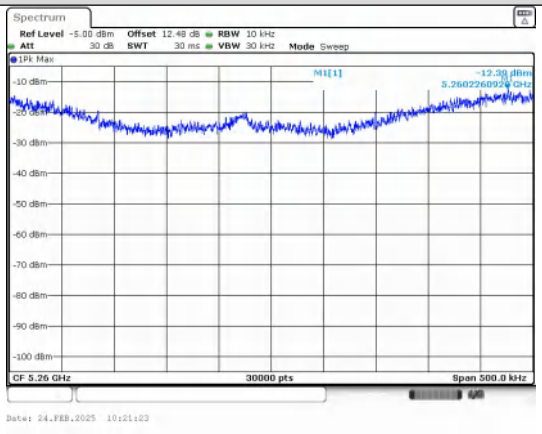

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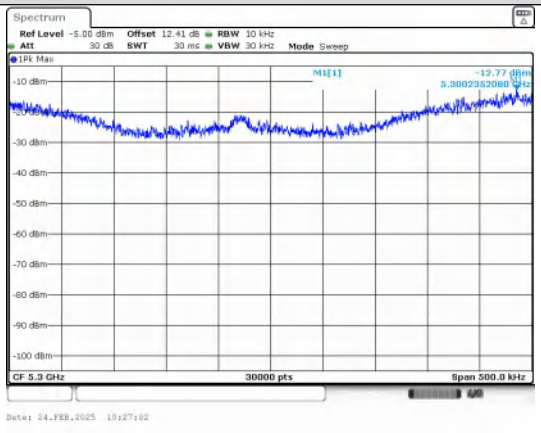

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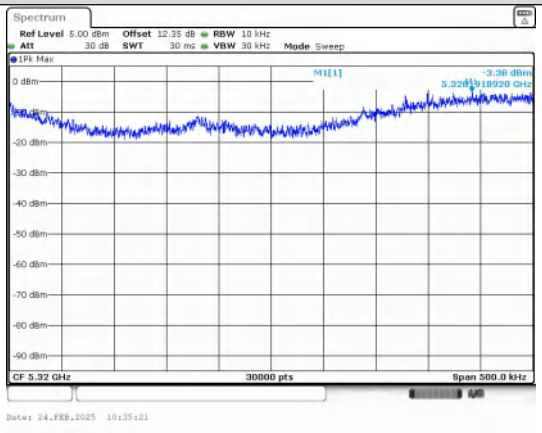
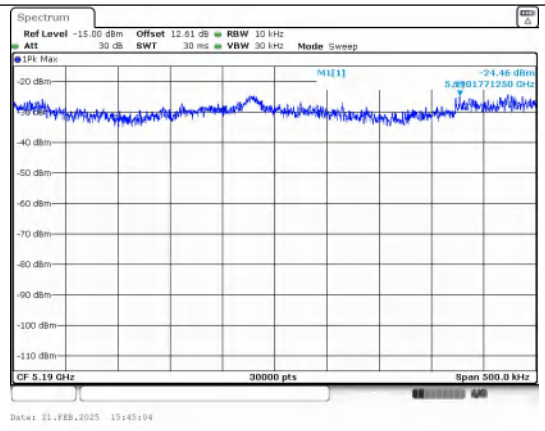


NT/NV_Antenna 0
IEEE 802.11ac_Channel 64_20MHz

IEEE 802.11ac_40



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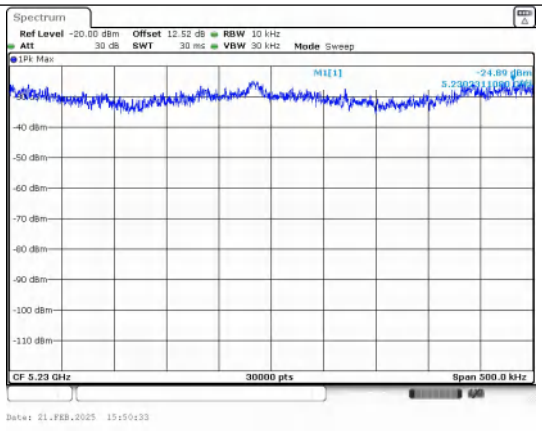
IEEE 802.11ac_Channel 38_40MHz



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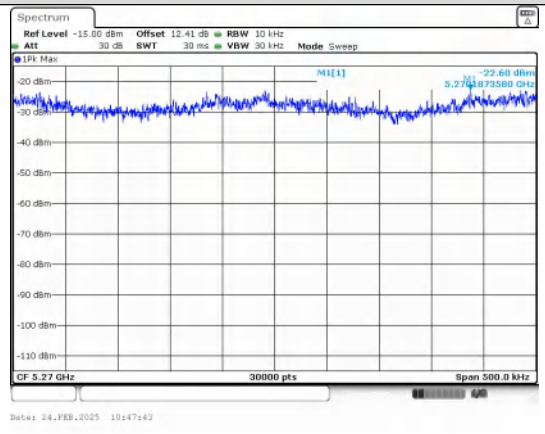

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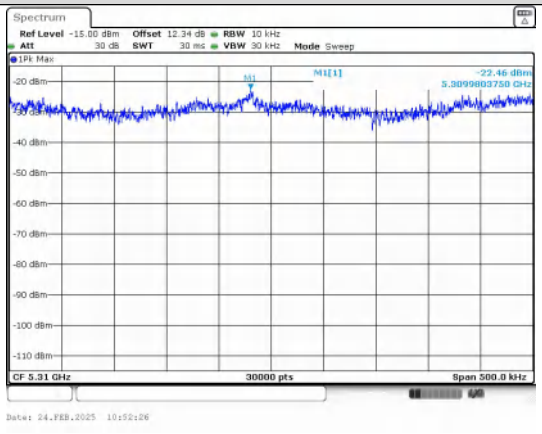
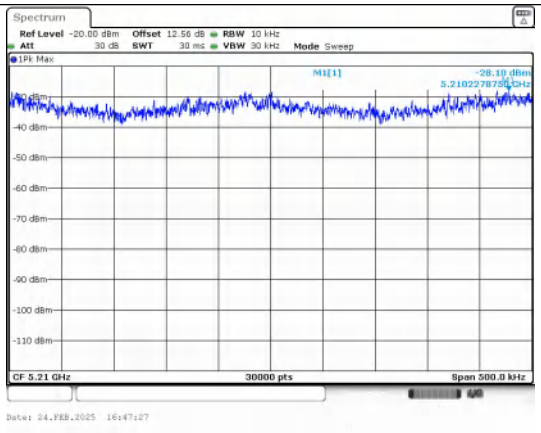


NT/NV_Antenna 0
IEEE 802.11ac_Channel 62_40MHz

IEEE 802.11ac_80



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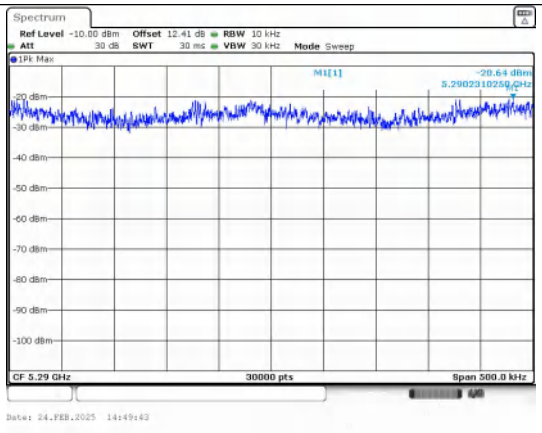

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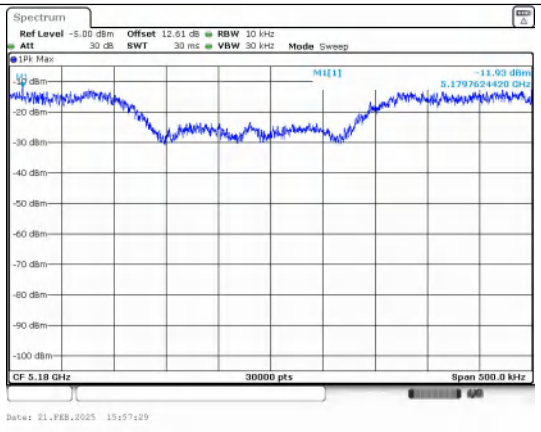
IEEE 802.11ac_Channel 58_80MHz

IEEE 802.11ax_20



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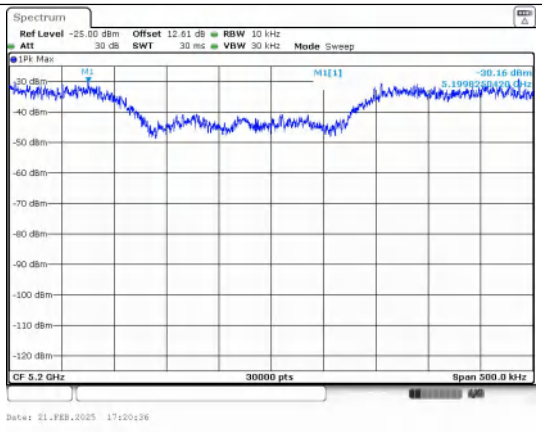

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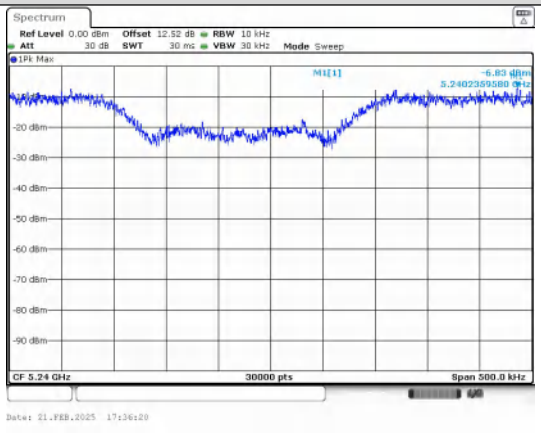

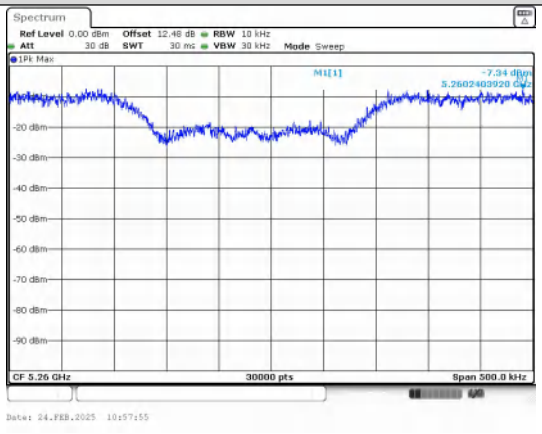

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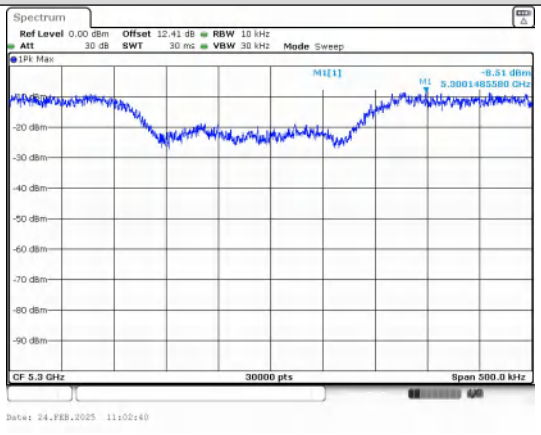
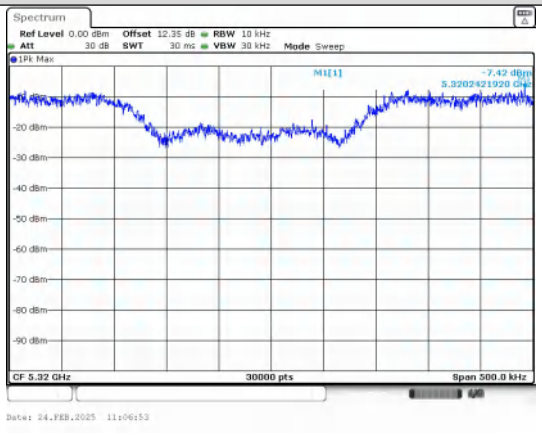
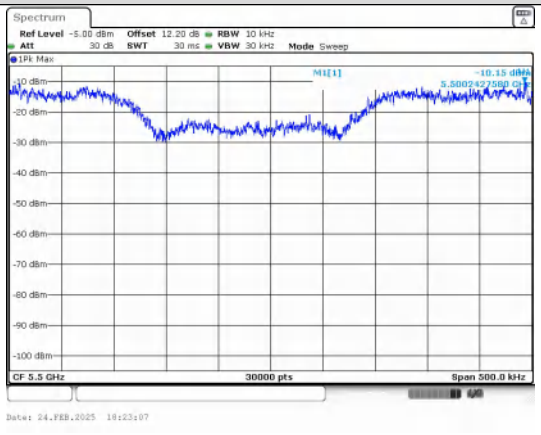
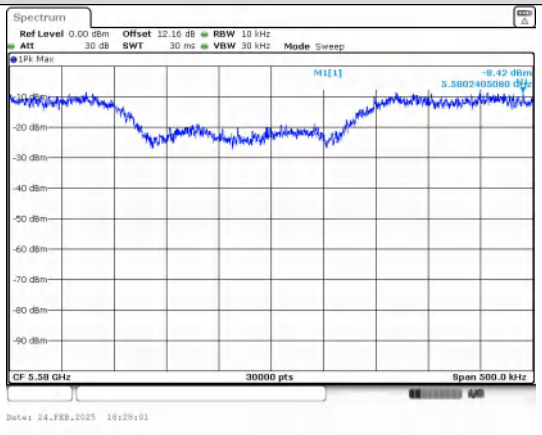
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 60_20MHz	**NT/NV_Antenna 0 IEEE 802.11ax_Channel 64_20MHz**
	
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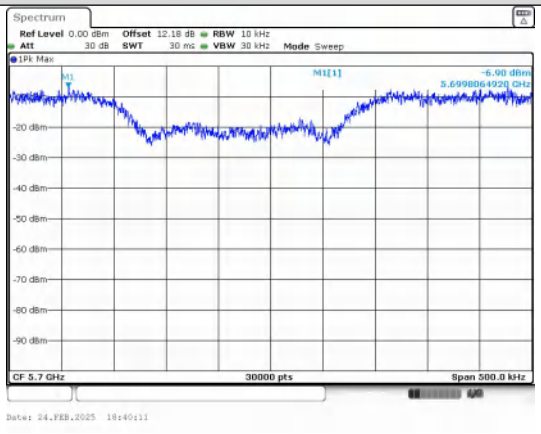
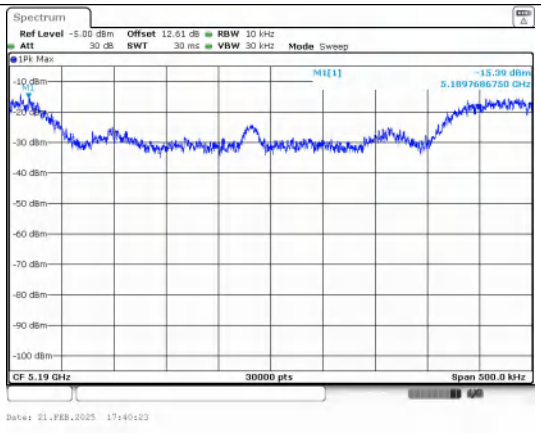
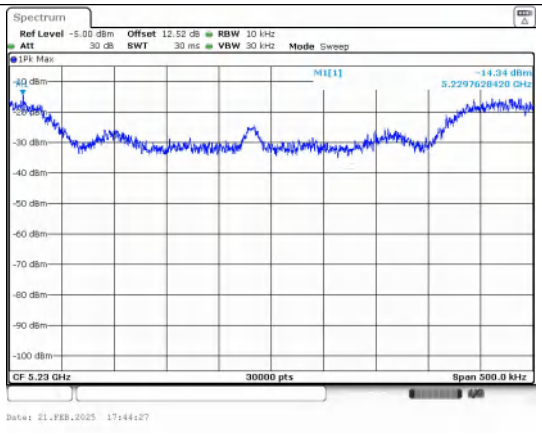
	
NT/NV_Antenna 0	

IEEE 802.11ax_Channel 140_20MHz

IEEE 802.11ax_40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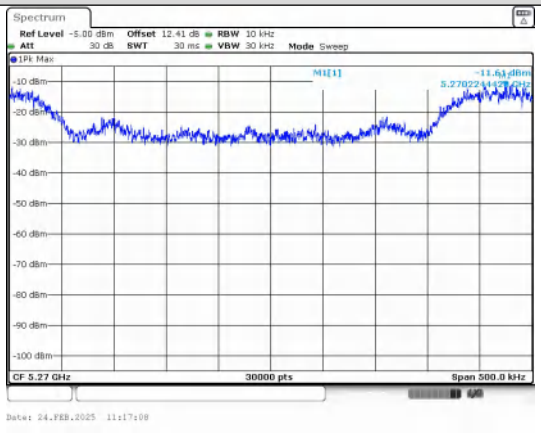
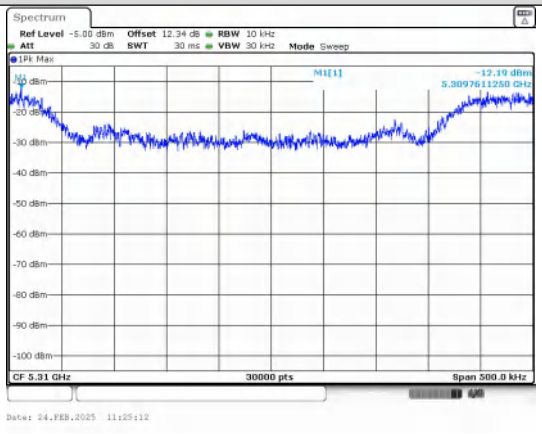
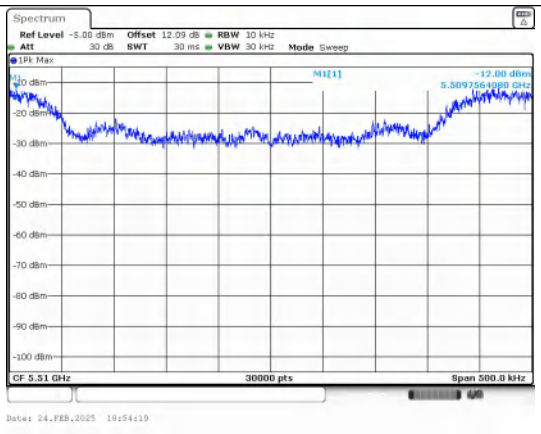
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 54_40MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 62_40MHz



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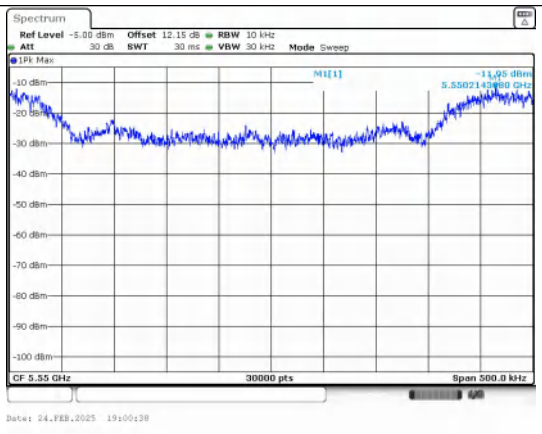
IEEE 802.11ax_Channel 102_40MHz



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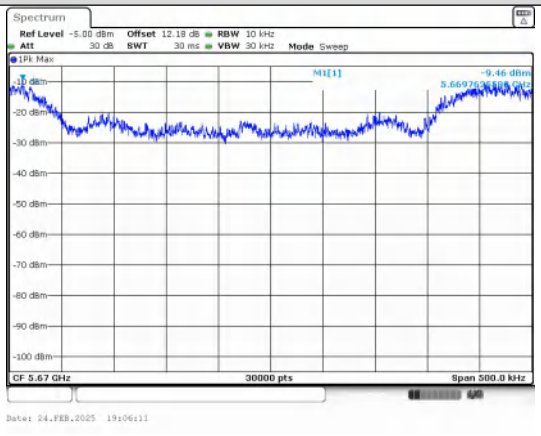
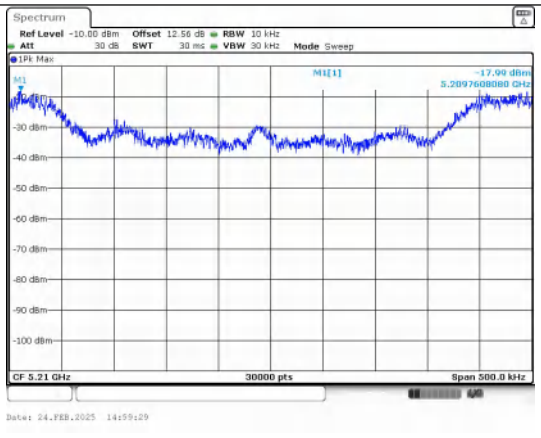
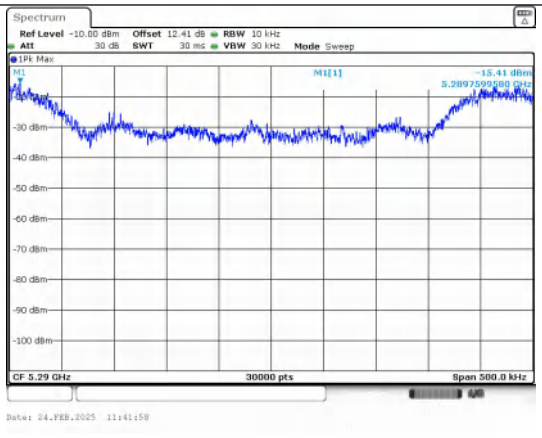
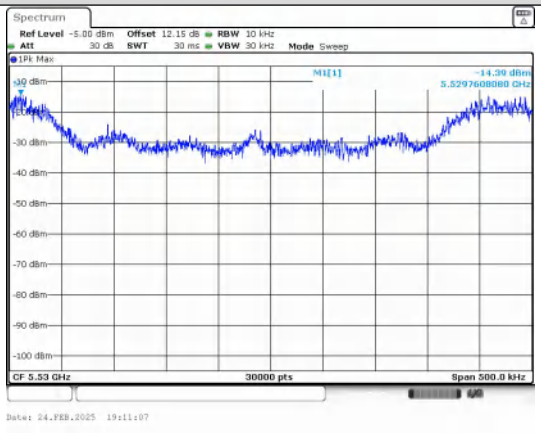
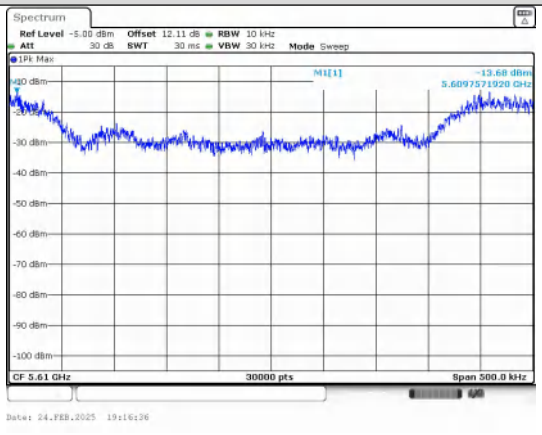


NT/NV_Antenna 0
IEEE 802.11ax_Channel 134_40MHz

IEEE 802.11ax_80





NT/NV_Antenna 0 IEEE 802.11ax_Channel 42_80MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 58_80MHz
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 106_80MHz	**NT/NV_Antenna 0 IEEE 802.11ax_Channel 122_80MHz**

Duty Cycle

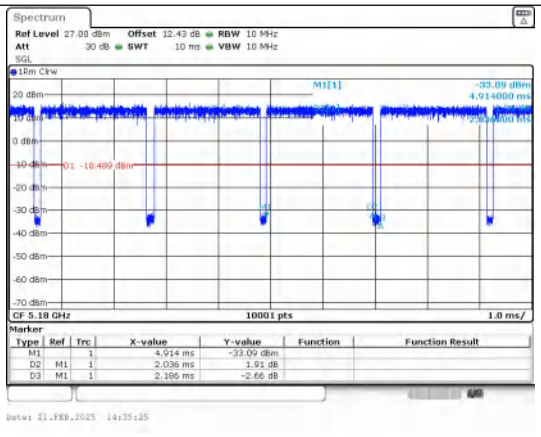
Test Result

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	N/A	1	2.036	2.186	93.14	0.9314	0.3086	0.4912
		40			2.036	2.186	93.14	0.9314	0.3086	0.4912
		48			2.036	2.150	94.70	0.9470	0.2365	0.4912
		52			2.036	2.186	93.14	0.9314	0.3086	0.4912
		60			2.036	2.480	82.10	0.8210	0.8566	0.4912
		64			2.036	2.262	90.01	0.9001	0.4571	0.4912
		100			2.036	2.172	93.74	0.9374	0.2808	0.4912
		116			2.036	2.217	91.84	0.9184	0.3697	0.4912
		140			2.036	2.181	93.35	0.9335	0.2989	0.4912
IEEE 802.11n_20	MCS 0	36			0.546	0.662	82.47	0.8247	0.837	1.8315
		40			0.546	0.661	82.53	0.8253	0.8339	1.8315
		48			0.546	0.725	75.35	0.7535	1.2292	1.8315
		52			0.546	0.983	55.54	0.5554	2.5539	1.8315
		60			0.546	0.720	75.85	0.7585	1.2004	1.8315
		64			0.546	0.720	75.86	0.7586	1.1999	1.8315
		100			0.546	0.665	82.03	0.8203	0.8603	1.8315
		116			0.546	0.693	78.83	0.7883	1.0331	1.8315
		140			0.546	0.783	69.73	0.6973	1.5658	1.8315
IEEE 802.11n_40		38			0.526	0.641	82.04	0.8204	0.8597	1.9011
		46			0.526	0.640	82.10	0.8210	0.8566	1.9011
		54			0.526	0.716	73.39	0.7339	1.3436	1.9011
		62			0.526	0.944	55.70	0.5570	2.5414	1.9011
		110			0.526	0.645	81.53	0.8153	0.8868	1.9011

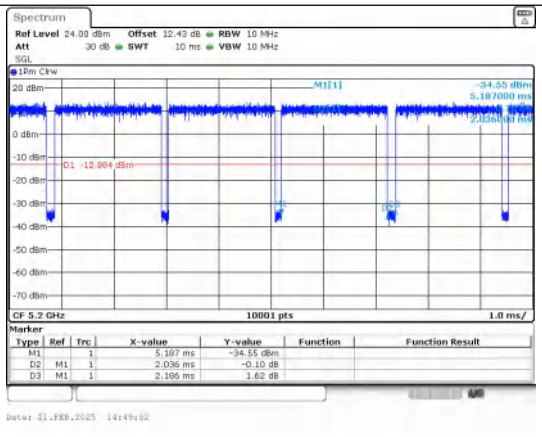
		134			0.523	0.973	53.74	0.5374	2.697	1.9120
IEEE 802.11ac_20		36			2.571	2.684	95.81	0.9581	0.1859	0.3890
		40			2.568	2.745	93.55	0.9355	0.2896	0.3894
		48			3.414	3.527	96.81	0.9681	0.1408	0.2929
		52			2.568	2.686	95.61	0.9561	0.195	0.3894
		60			2.568	3.003	85.51	0.8551	0.6798	0.3894
		64			3.414	3.621	94.28	0.9428	0.2558	0.2929
		100			2.571	2.686	95.70	0.9570	0.1909	0.3890
		116			2.569	2.829	90.83	0.9083	0.4177	0.3893
		140			3.414	3.565	95.75	0.9575	0.1886	0.2929
IEEE 802.11ac_40		38			0.409	0.628	65.20	0.6520	1.8575	2.4450
		46			0.410	0.668	61.34	0.6134	2.1226	2.4390
		54			0.409	0.537	76.13	0.7613	1.1844	2.4450
		62			0.409	0.646	63.38	0.6338	1.9805	2.4450
		110			0.410	0.873	46.95	0.4695	3.2836	2.4390
		134			0.410	0.873	47.00	0.4700	3.279	2.4390
IEEE 802.11ac_80		42			0.213	0.350	60.82	0.6082	2.1595	4.6948
		58			0.214	0.694	30.79	0.3079	5.1159	4.6729
		106			0.214	0.613	34.86	0.3486	4.5767	4.6729
		122			0.213	0.332	64.07	0.6407	1.9335	4.6948
IEEE 802.11ax_20		36	SU		0.520	0.635	81.81	0.8181	0.8719	1.9231
		40			0.520	0.729	71.24	0.7124	1.4728	1.9231
		48			0.520	0.636	81.75	0.8175	0.8751	1.9231
		52			0.520	0.747	69.54	0.6954	1.5777	1.9231
		60			0.520	0.675	76.96	0.7696	1.1373	1.9231
		64			0.520	0.639	81.29	0.8129	0.8996	1.9231
		100			0.520	0.912	57.00	0.5700	2.4413	1.9231
		116			0.520	0.675	76.96	0.7696	1.1373	1.9231

		140			0.520	0.684	75.96	0.7596	1.1942	1.9231
IEEE 802.11ax_40		38			0.291	0.412	70.68	0.7068	1.507	3.4364
		46			0.291	0.443	65.76	0.6576	1.8204	3.4364
		54			0.292	0.782	37.39	0.3739	4.2724	3.4247
		62			0.292	0.407	71.62	0.7162	1.4497	3.4247
		102			0.292	0.447	65.21	0.6521	1.8569	3.4247
		110			0.292	0.438	66.60	0.6660	1.7653	3.4247
		134			0.292	0.501	58.25	0.5825	2.347	3.4247
IEEE 802.11ax_80		42			0.170	0.353	48.29	0.4829	3.1614	5.8824
		58			0.170	0.344	49.60	0.4960	3.0452	5.8824
		106			0.171	0.589	29.02	0.2902	5.373	5.8480
		122			0.170	0.371	45.98	0.4598	3.3743	5.8824

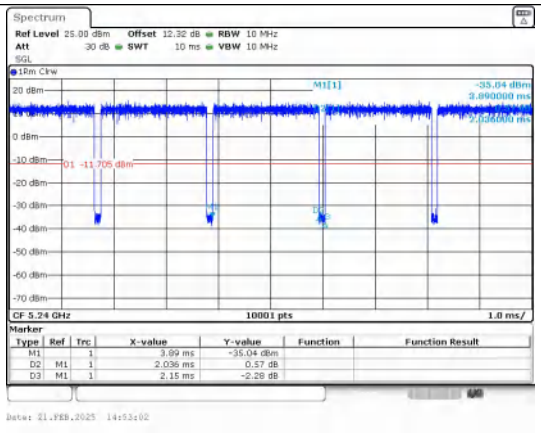
Test Graphs



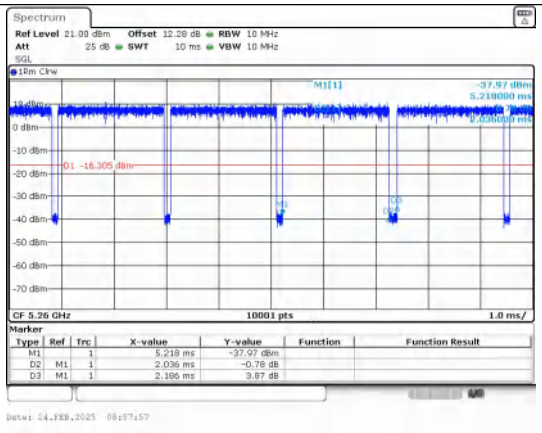
IEEE 802.11a_20MHz_Channel 36



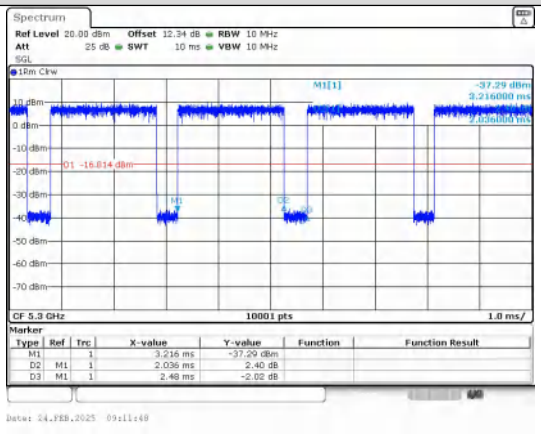
IEEE 802.11a_20MHz_Channel 40



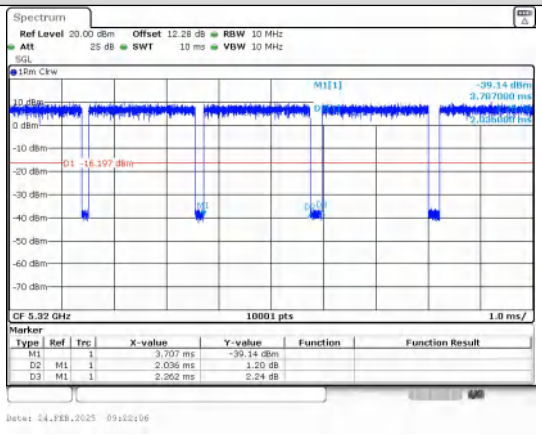
IEEE 802.11a_20MHz_Channel 48



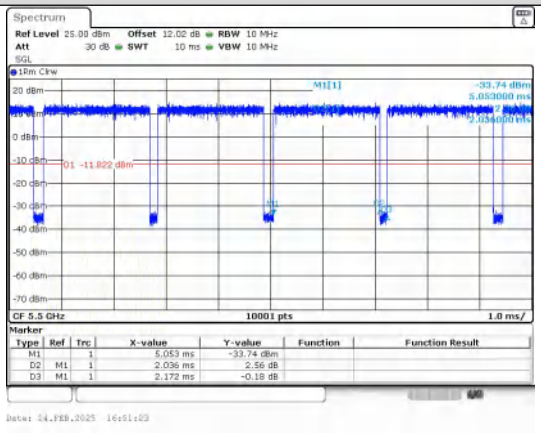
IEEE 802.11a_20MHz_Channel 52



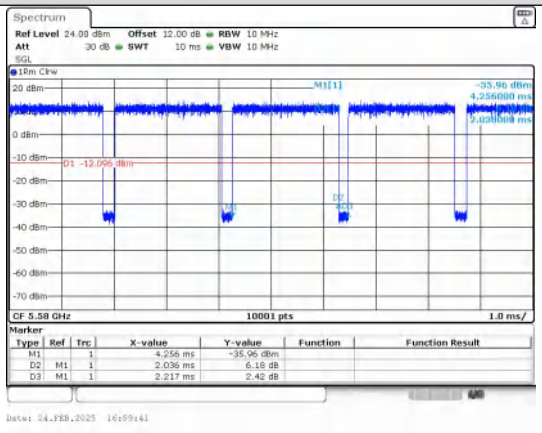
IEEE 802.11a_20MHz_Channel 60



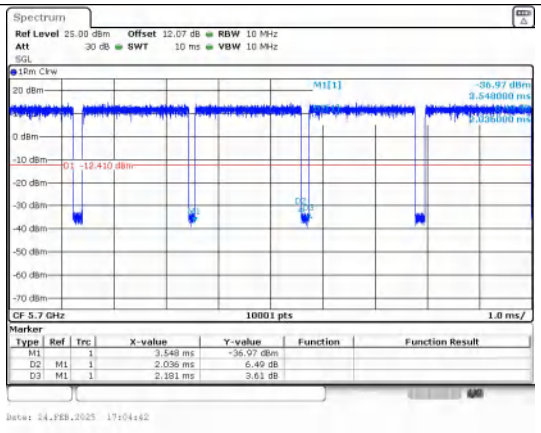
IEEE 802.11a_20MHz_Channel 64



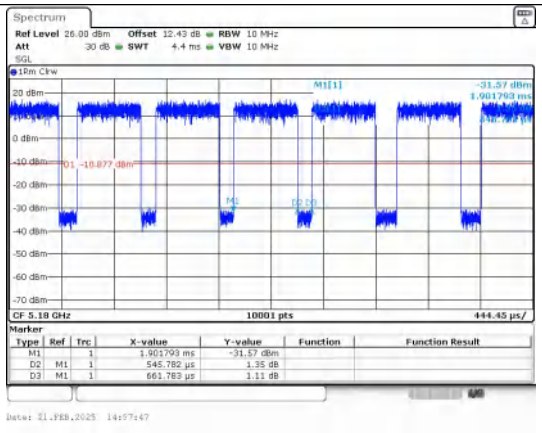
IEEE 802.11a_20MHz_Channel 100



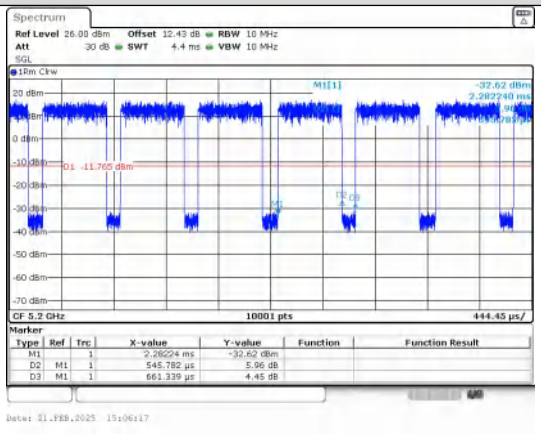
IEEE 802.11a_20MHz_Channel 116



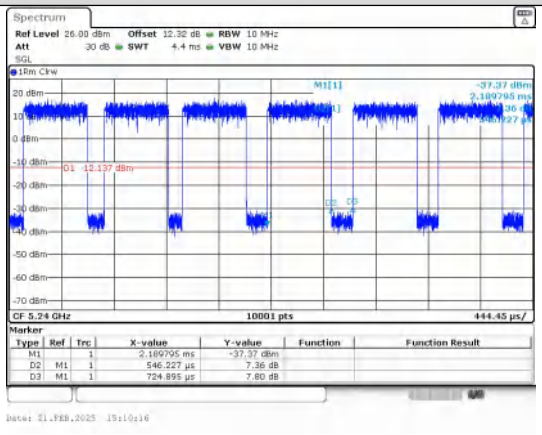
IEEE 802.11a_20MHz_Channel 140



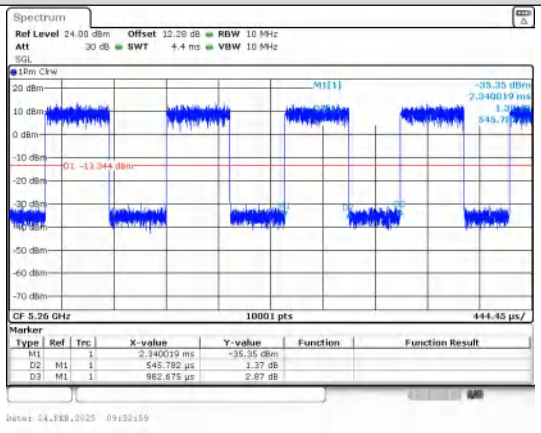
IEEE 802.11n_20MHz_Channel 36



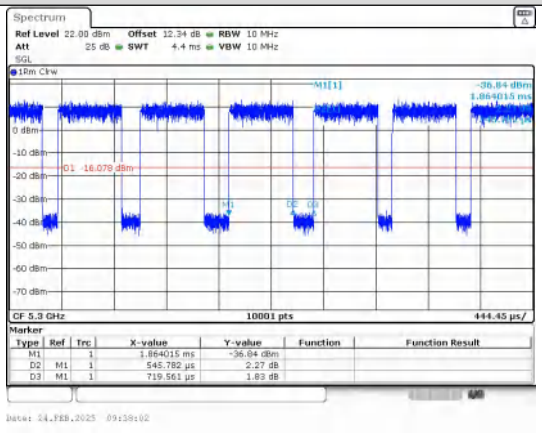
IEEE 802.11n_20MHz_Channel 40



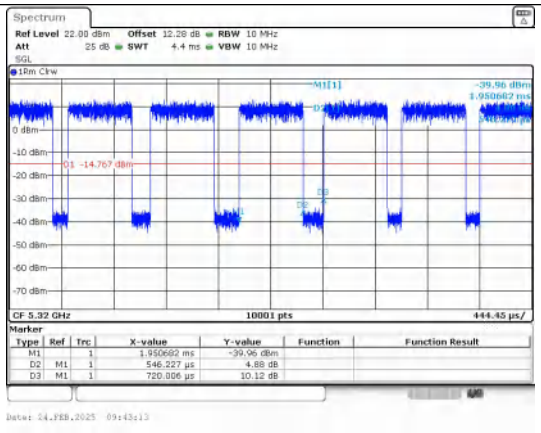
IEEE 802.11n_20MHz_Channel 48



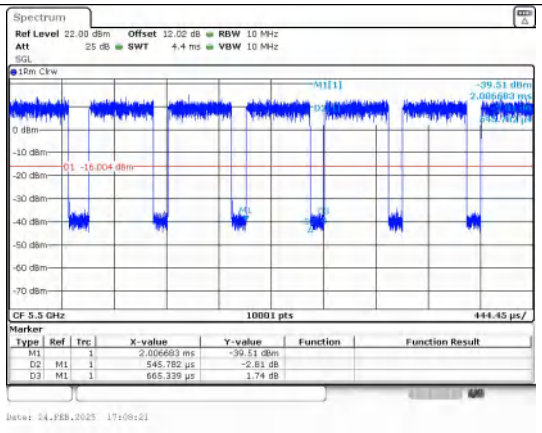
IEEE 802.11n_20MHz_Channel 52



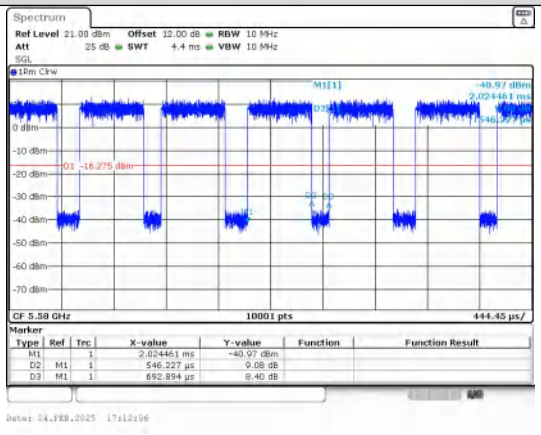
IEEE 802.11n_20MHz_Channel 60



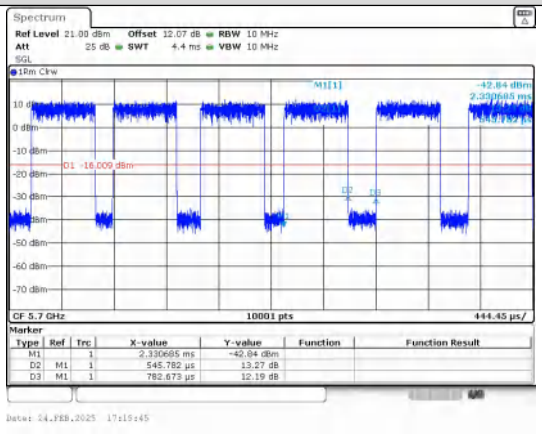
IEEE 802.11n_20MHz_Channel 64



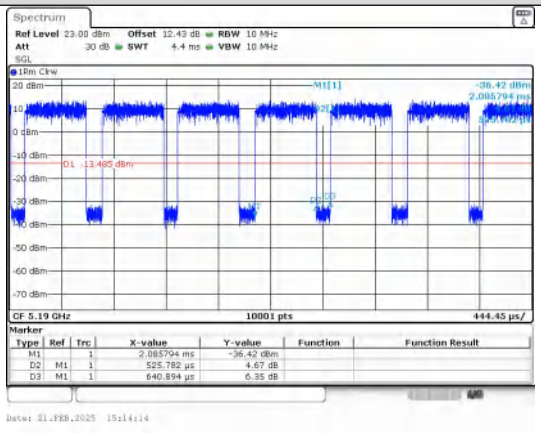
IEEE 802.11n_20MHz_Channel 100



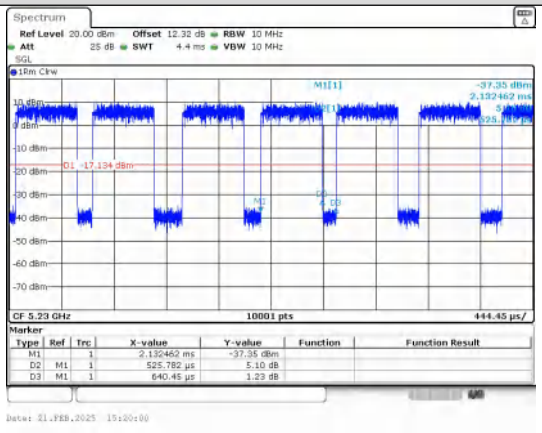
IEEE 802.11n_20MHz_Channel 116



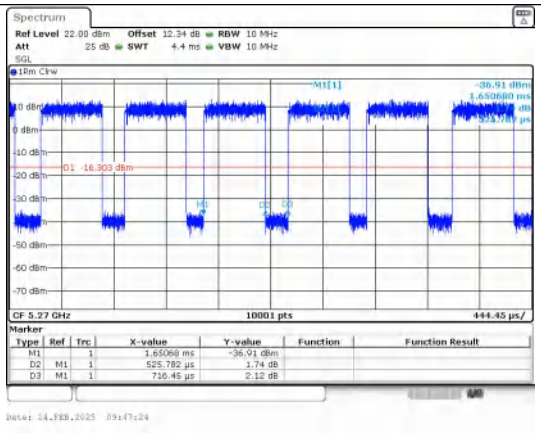
IEEE 802.11n_20MHz_Channel 140



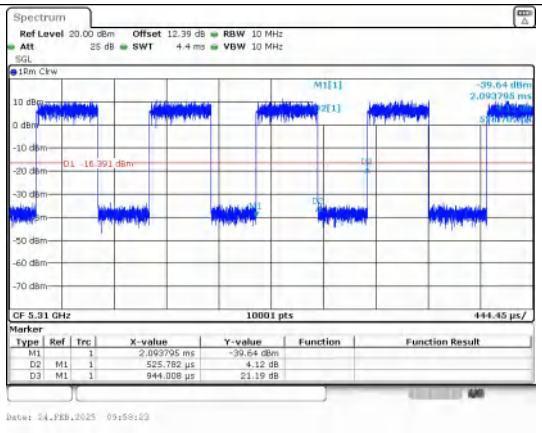
IEEE 802.11n_40MHz_Channel 38



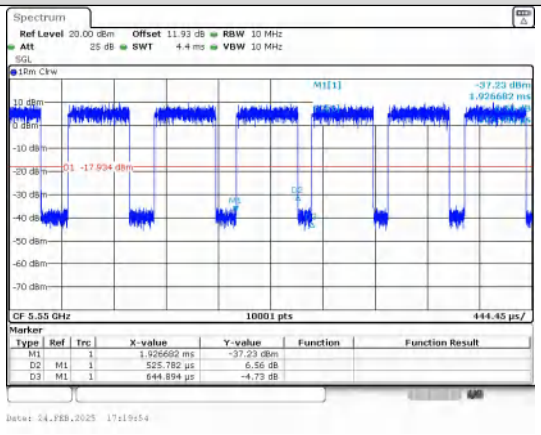
IEEE 802.11n_40MHz_Channel 46



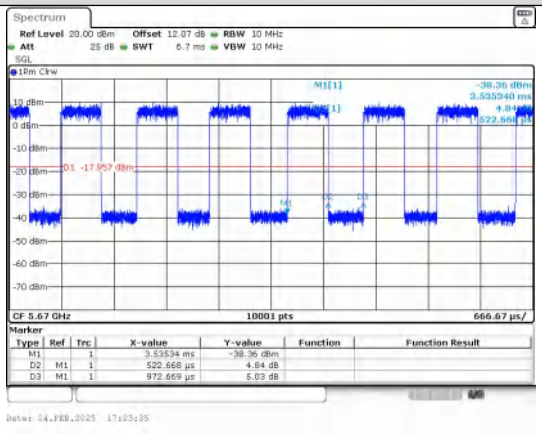
IEEE 802.11n_40MHz_Channel 54



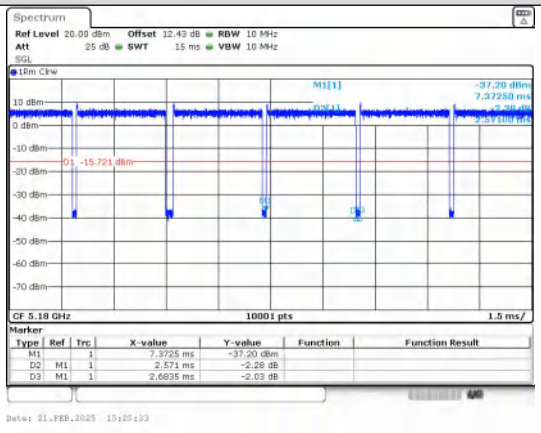
IEEE 802.11n_40MHz_Channel 62



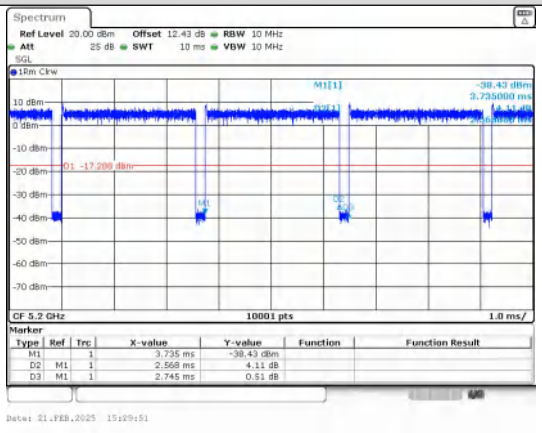
IEEE 802.11n_40MHz_Channel 110



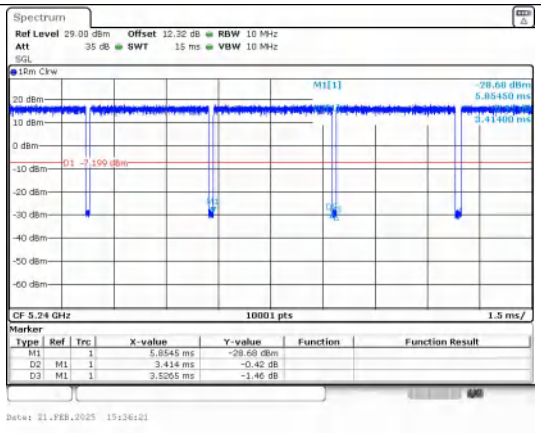
IEEE 802.11n_40MHz_Channel 134



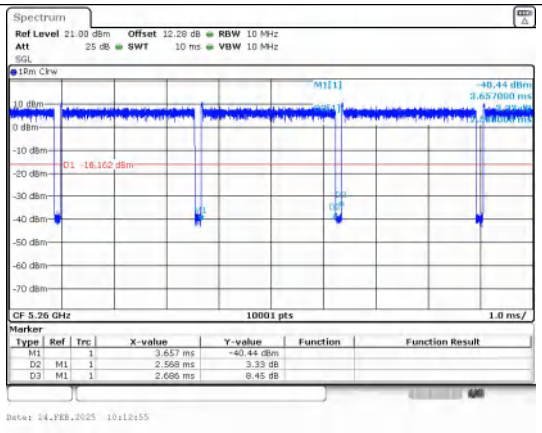
IEEE 802.11ac_20MHz_Channel 36



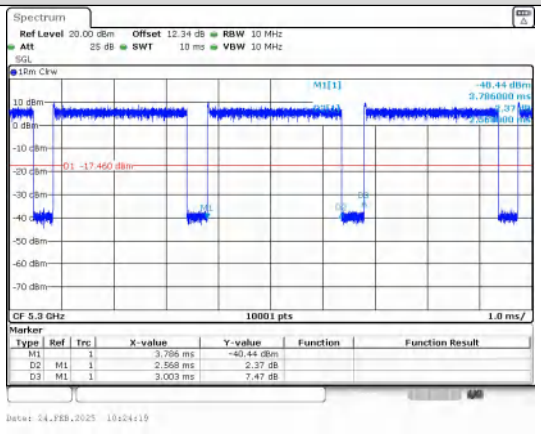
IEEE 802.11ac_20MHz_Channel 40



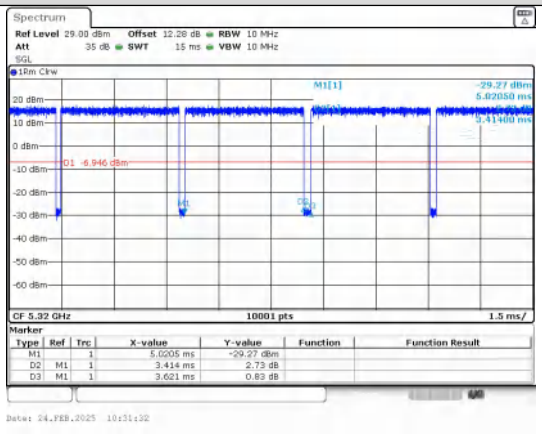
IEEE 802.11ac_20MHz_Channel 48



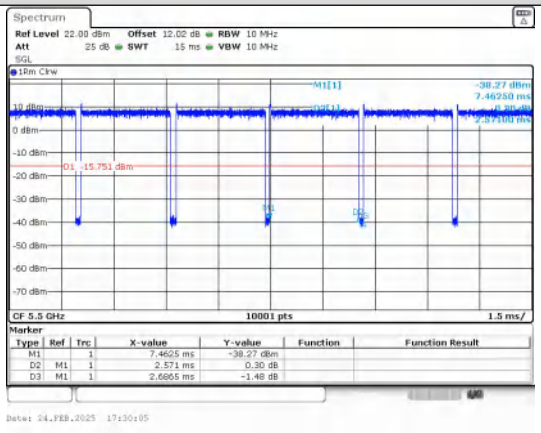
IEEE 802.11ac_20MHz_Channel 52



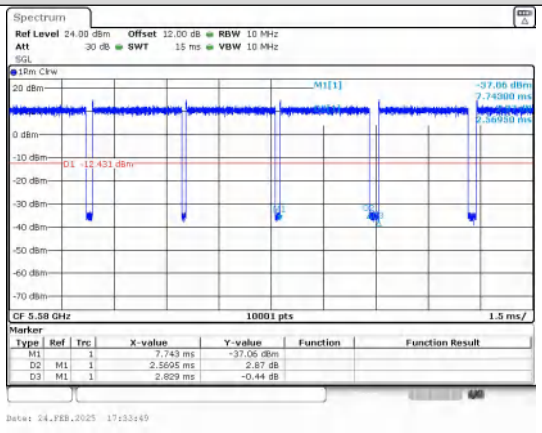
IEEE 802.11ac_20MHz_Channel 60



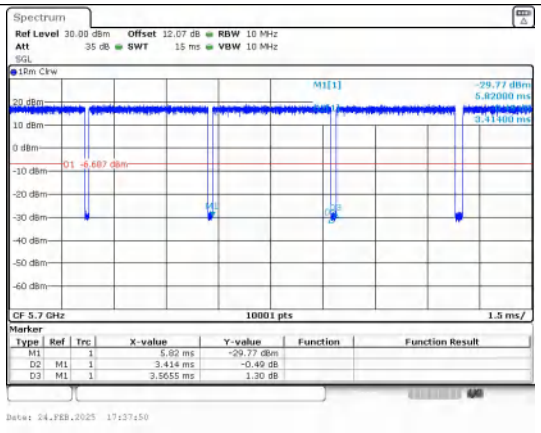
IEEE 802.11ac_20MHz_Channel 64



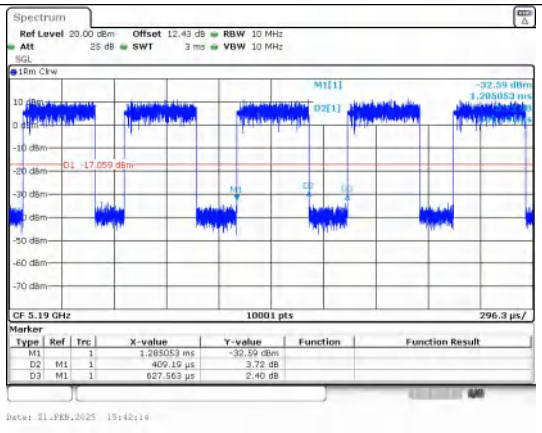
IEEE 802.11ac_20MHz_Channel 100



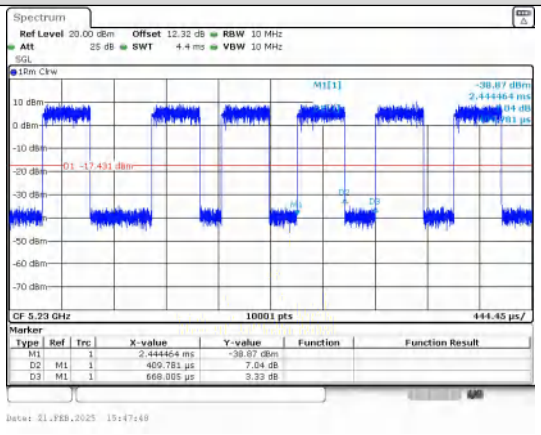
IEEE 802.11ac_20MHz_Channel 116



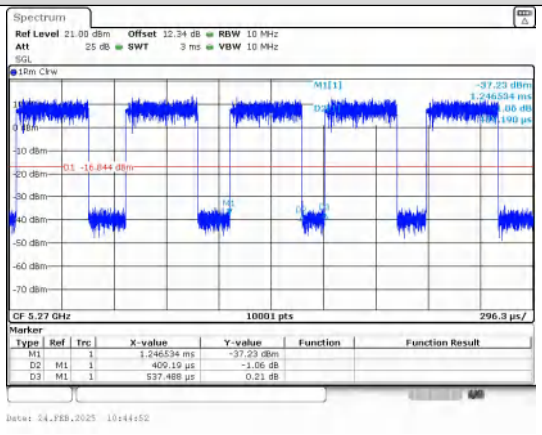
IEEE 802.11ac_20MHz_Channel 140



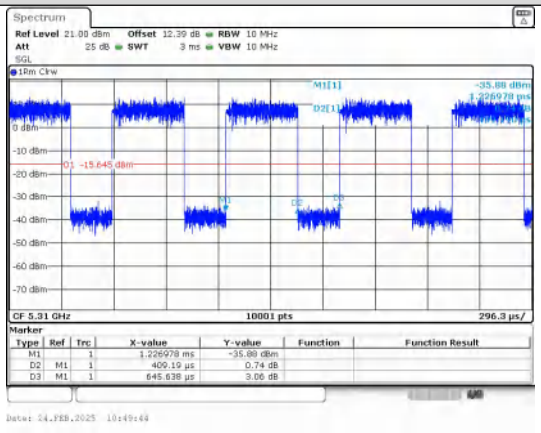
IEEE 802.11ac_40MHz_Channel 38



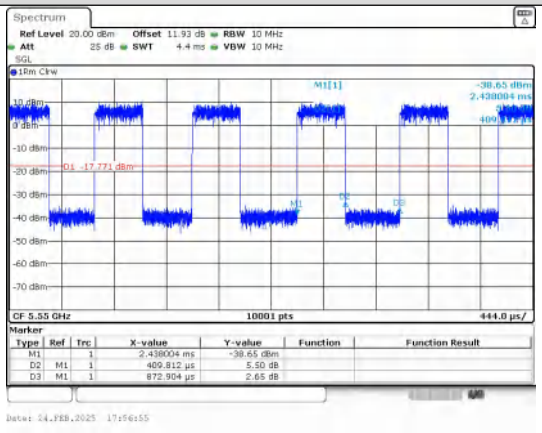
IEEE 802.11ac_40MHz_Channel 46



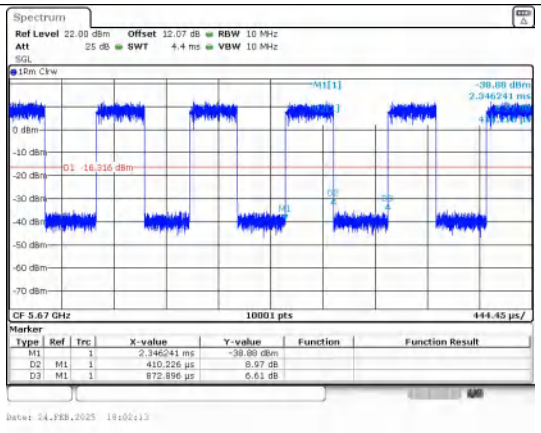
IEEE 802.11ac_40MHz_Channel 54



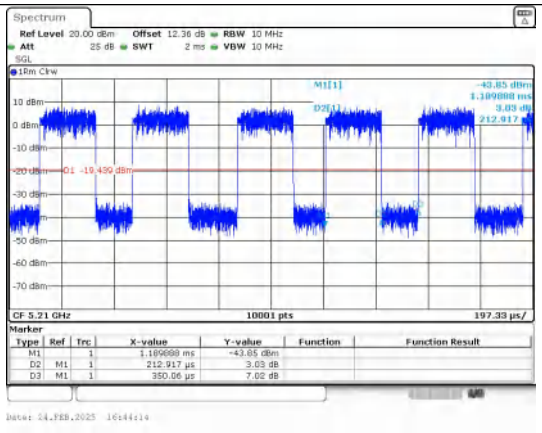
IEEE 802.11ac_40MHz_Channel 62



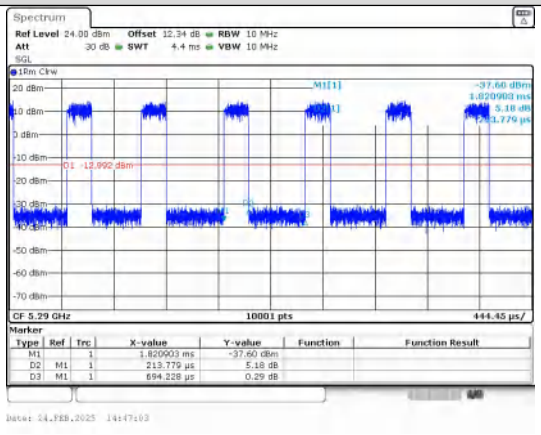
IEEE 802.11ac_40MHz_Channel 110



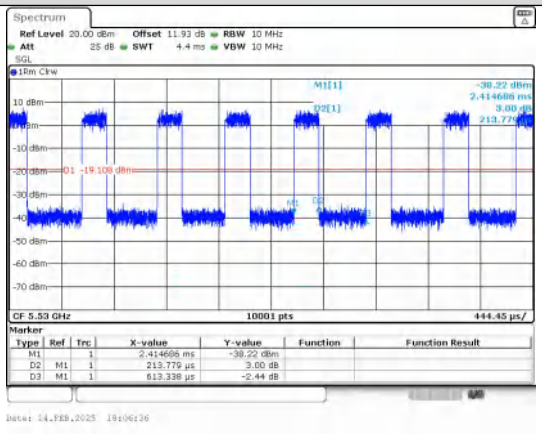
IEEE 802.11ac_40MHz_Channel 134



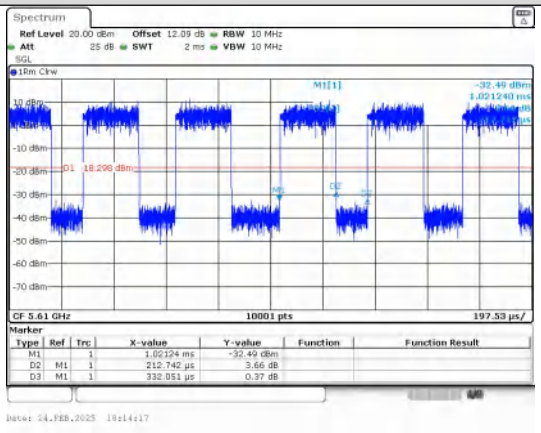
IEEE 802.11ac_80MHz_Channel 42



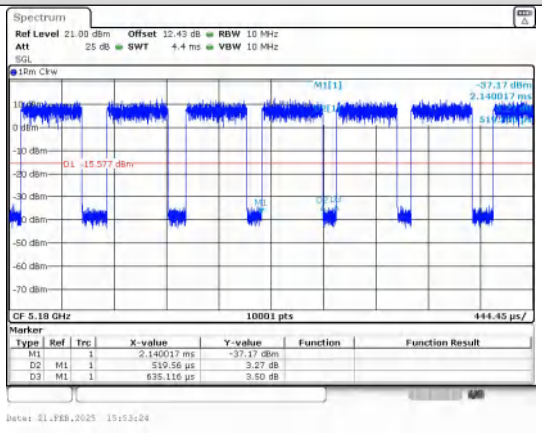
IEEE 802.11ac_80MHz_Channel 58



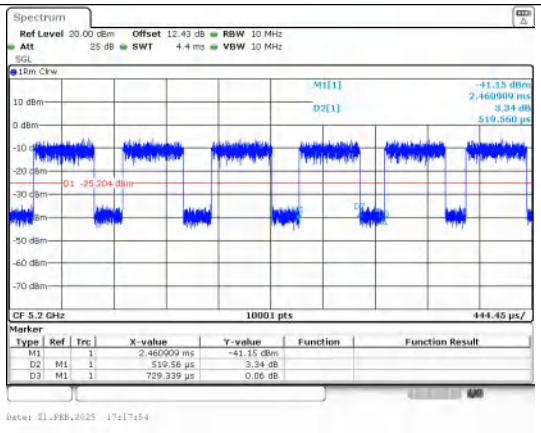
IEEE 802.11ac_80MHz_Channel 106



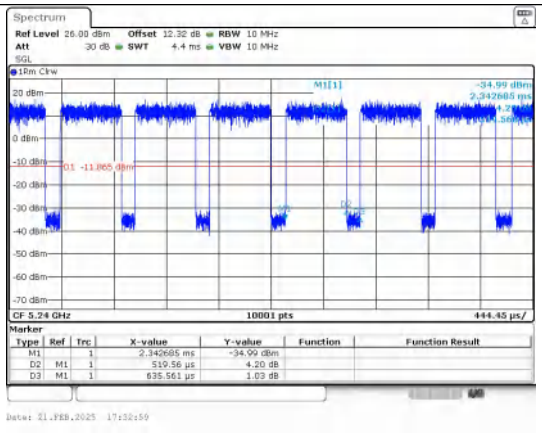
IEEE 802.11ac_80MHz_Channel 122



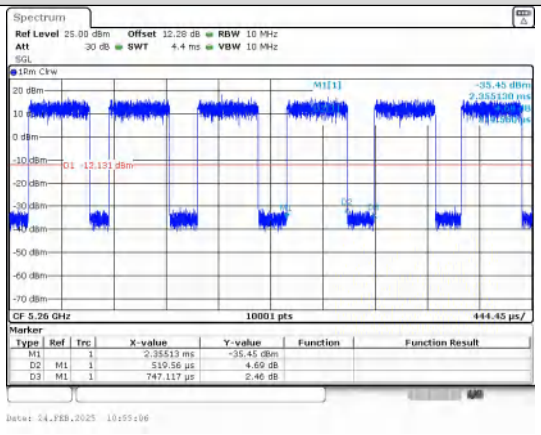
IEEE 802.11ax_20MHz_Channel 36



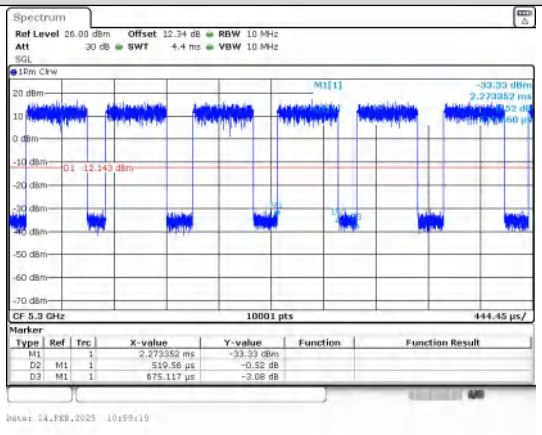
IEEE 802.11ax_20MHz_Channel 40



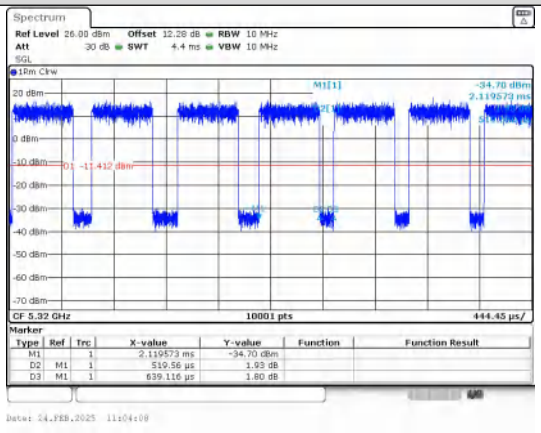
IEEE 802.11ax_20MHz_Channel 48



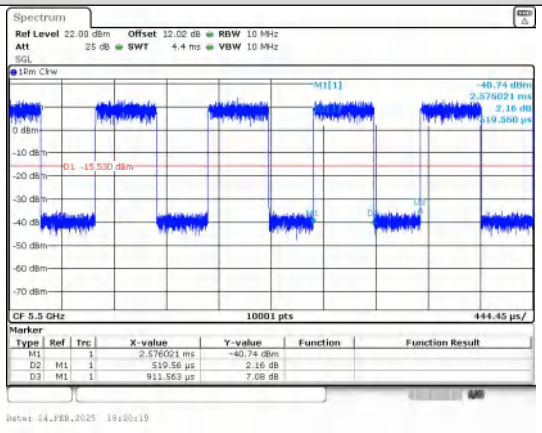
IEEE 802.11ax_20MHz_Channel 52



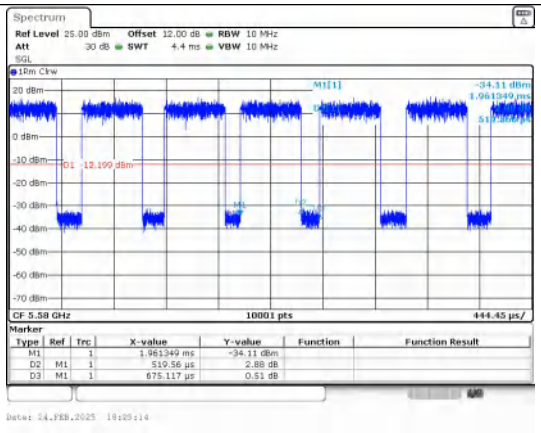
IEEE 802.11ax_20MHz_Channel 60



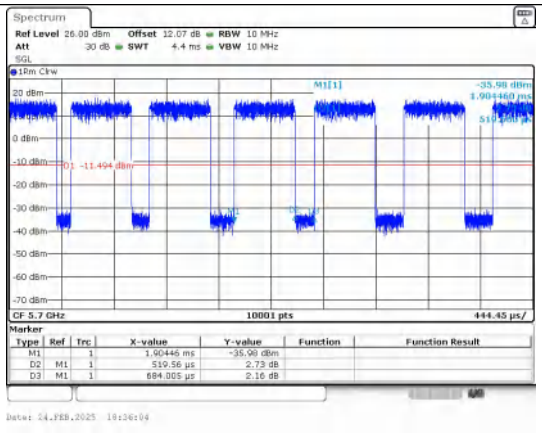
IEEE 802.11ax_20MHz_Channel 64



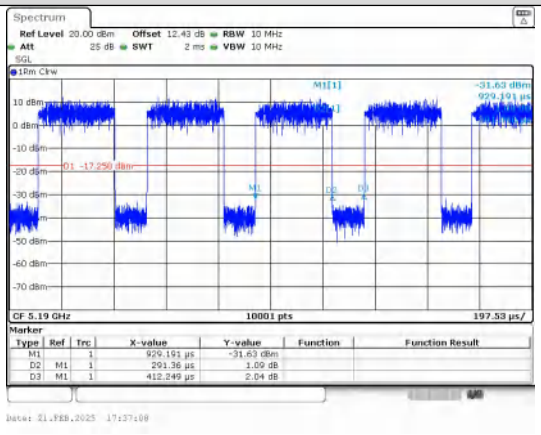
IEEE 802.11ax_20MHz_Channel 100



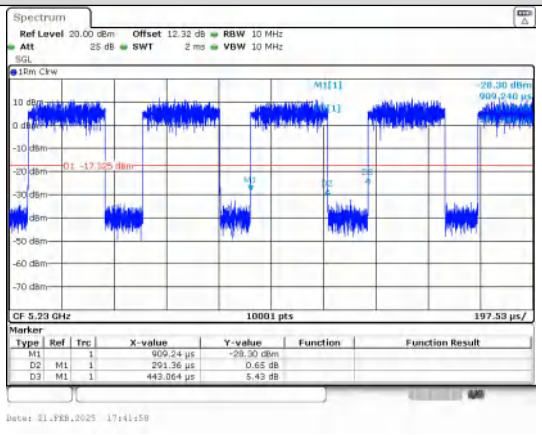
IEEE 802.11ax_20MHz_Channel 116



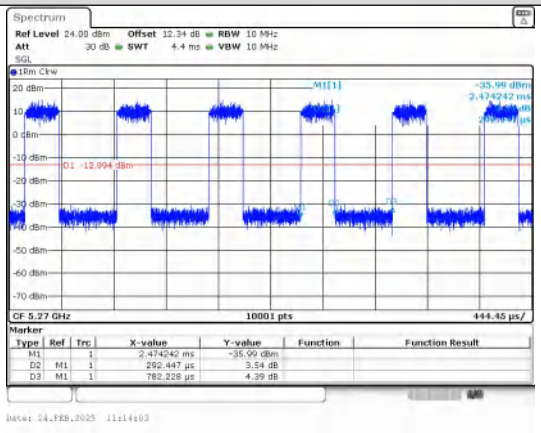
IEEE 802.11ax_20MHz_Channel 140



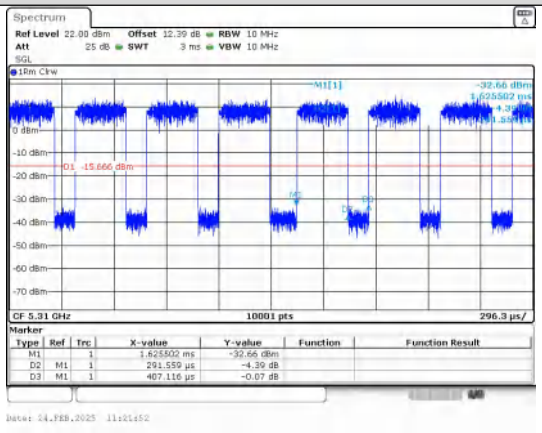
IEEE 802.11ax_40MHz_Channel 38



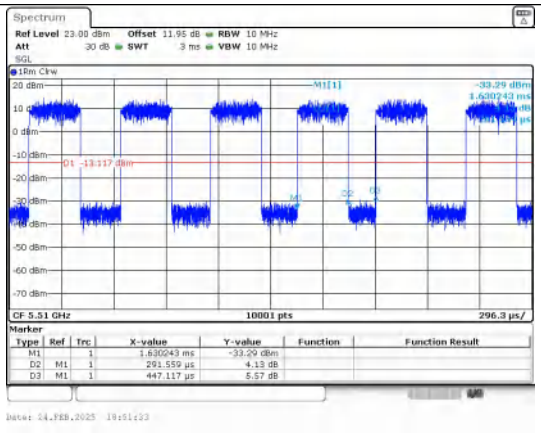
IEEE 802.11ax_40MHz_Channel 46



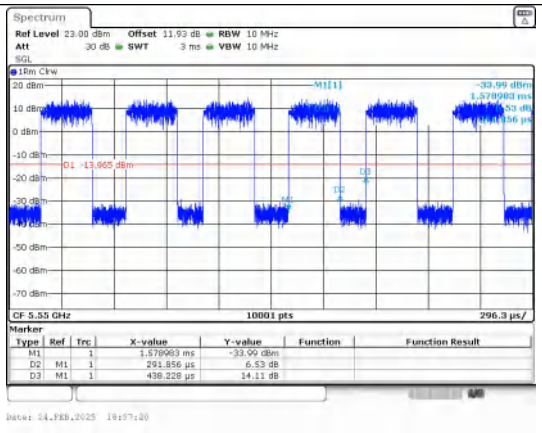
IEEE 802.11ax_40MHz_Channel 54



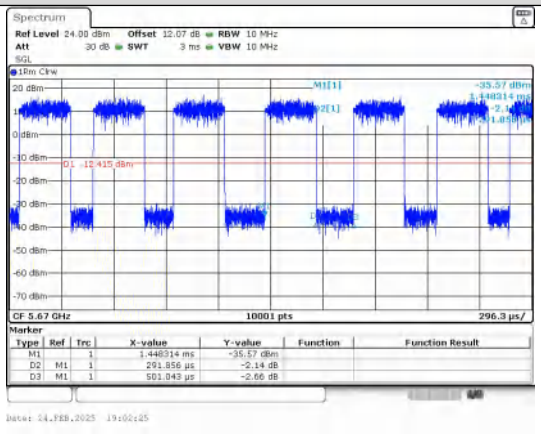
IEEE 802.11ax_40MHz_Channel 62



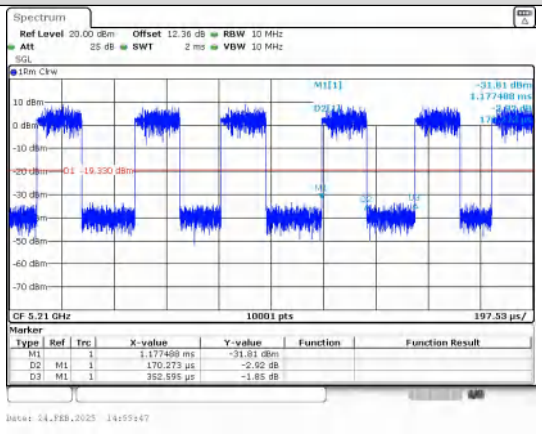
IEEE 802.11ax_40MHz_Channel 102



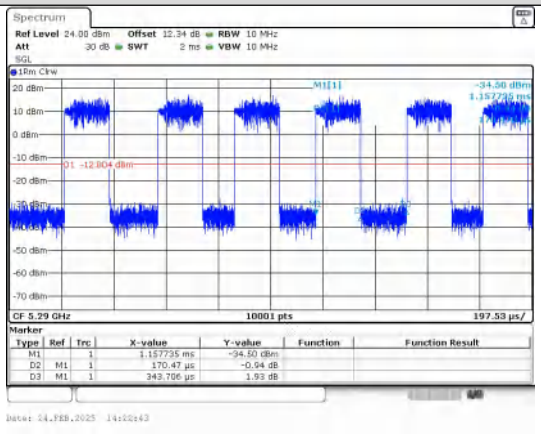
IEEE 802.11ax_40MHz_Channel 110



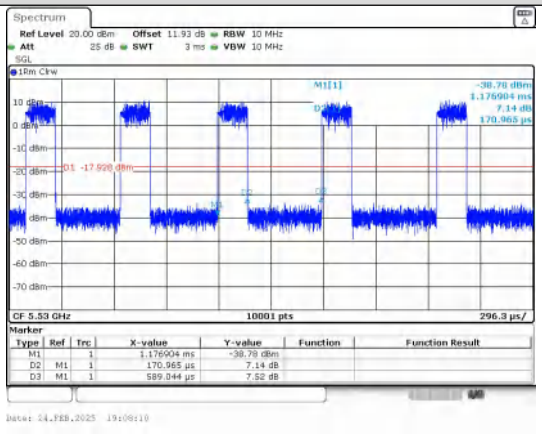
IEEE 802.11ax_40MHz_Channel 134



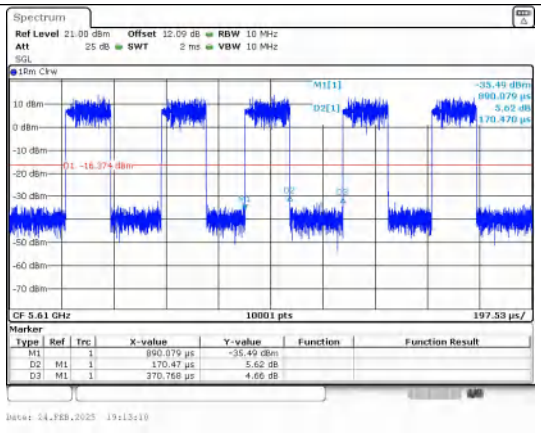
IEEE 802.11ax_80MHz_Channel 42



IEEE 802.11ax_80MHz_Channel 58



IEEE 802.11ax_80MHz_Channel 106



IEEE 802.11ax_80MHz_Channel 122

Frequency Stability

Test Result

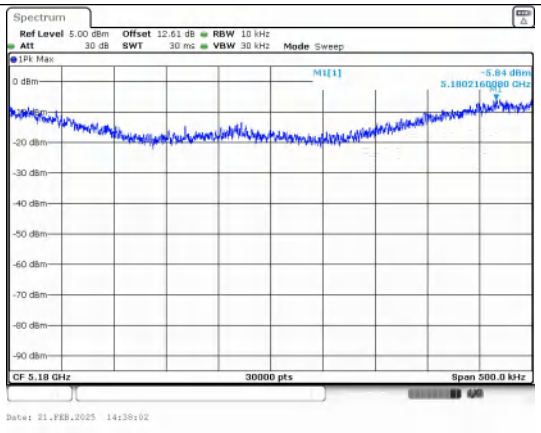
Condition	Mode	Ch.	RU & Index	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State
NT/NV	IEEE 802.11a	36	N/A	0	5180.0	5180.216008	41.7	Within authorized band	PASS
		40			5200.0	5200.234842	45.16		PASS
		48			5240.0	5240.231542	44.19		PASS
		52			5260.0	5260.240892	45.8		PASS
		60			5300.0	5300.223392	42.15		PASS
		64			5320.0	5320.226208	42.52		PASS
	IEEE 802.11n_20	36			5180.0	5180.237375	45.83		PASS
		40			5200.0	5200.247692	47.63		PASS
		48			5240.0	5240.247158	47.17		PASS
		52			5260.0	5260.230725	43.86		PASS
		60			5300.0	5300.237175	44.75		PASS
		64			5320.0	5320.244908	46.04		PASS
	IEEE 802.11n_40	38			5190.0	5190.245758	47.35		PASS
		46			5230.0	5229.976858	-4.42		PASS
		54			5270.0	5270.179858	34.13		PASS
		62			5310.0	5310.245042	46.15		PASS
	IEEE 802.11ac_20	36			5180.0	5180.230525	44.5		PASS
		40			5200.0	5200.229825	44.2		PASS
		48			5240.0	5240.242508	46.28		PASS
		52			5260.0	5260.226092	42.98		PASS
		60			5300.0	5300.235208	44.38		PASS
		64			5320.0	5320.191892	36.07		PASS
	IEEE 802.11ac_40	38			5190.0	5190.177125	34.13		PASS
		46			5230.0	5230.231108	44.19		PASS

		54			5270.0	5270.187358	35.55		PASS
		62			5310.0	5309.980375	-3.7		PASS
	IEEE 802.11ac_80	42			5210.0	5210.227875	43.74		PASS
		58			5290.0	5290.231025	43.67		PASS
	IEEE 802.11ax_20	36	SU		5180.0	5179.762442	-45.86		PASS
		40			5200.0	5199.825042	-33.65		PASS
		48			5240.0	5240.235958	45.03		PASS
		52			5260.0	5260.240392	45.7		PASS
		60			5300.0	5300.148558	28.03		PASS
		64			5320.0	5320.242192	45.52		PASS
		100			5500.0	5500.242758	44.14		PASS
		116			5580.0	5580.240508	43.1		PASS
		140			5700.0	5699.806492	-33.95		PASS
	IEEE 802.11ax_40	38			5190.0	5189.768675	-44.57		PASS
		46			5230.0	5229.762842	-45.35		PASS
		54			5270.0	5270.224442	42.59		PASS
		62			5310.0	5309.761125	-44.99		PASS
		102			5510.0	5509.756408	-44.21		PASS
		110			5550.0	5550.214308	38.61		PASS
		134			5670.0	5669.762558	-41.88		PASS
	IEEE 802.11ax_80	42			5210.0	5209.760808	-45.91		PASS
		58			5290.0	5289.759958	-45.38		PASS
		106			5530.0	5529.760808	-43.25		PASS
		122			5610.0	5609.757192	-43.28		PASS

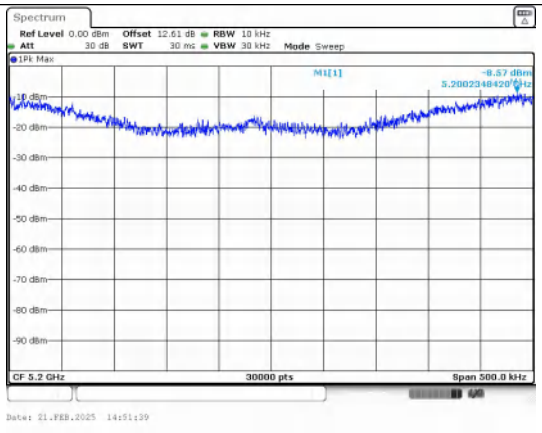
Test Graphs

NT/NV

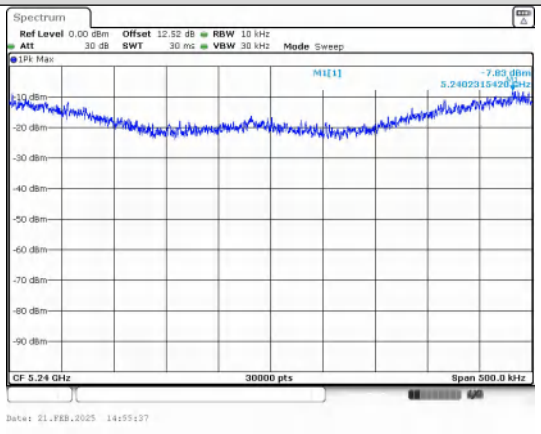
IEEE 802.11a



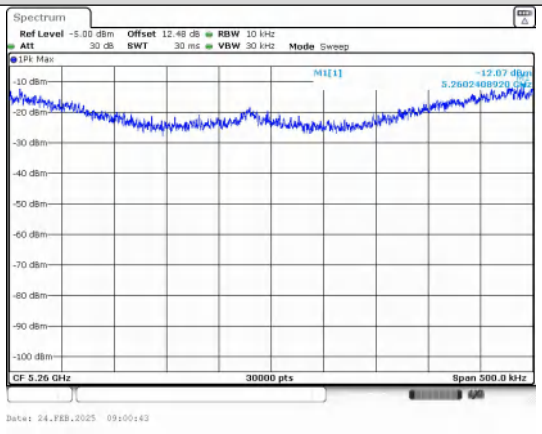
NT/NV_Antenna 0
IEEE 802.11a_Channel 36_20MHz



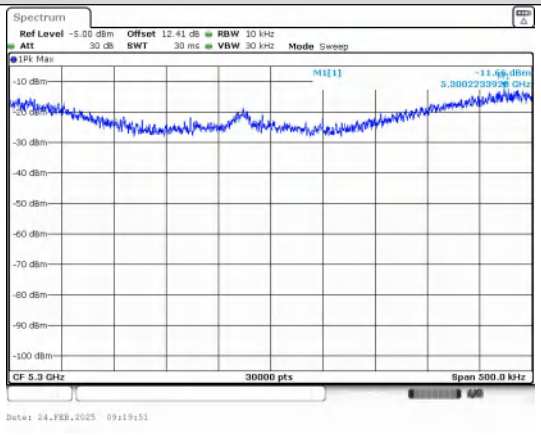
NT/NV_Antenna 0
IEEE 802.11a_Channel 40_20MHz



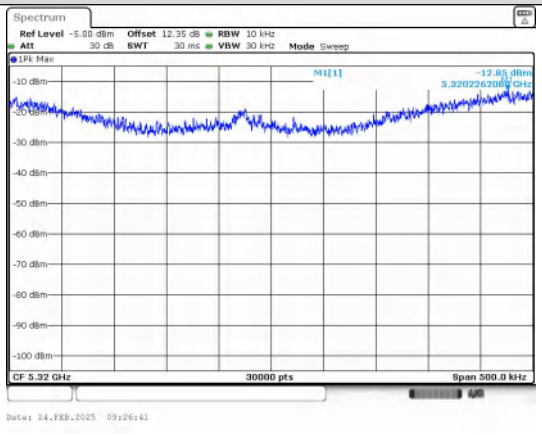
NT/NV_Antenna 0
IEEE 802.11a_Channel 48_20MHz



NT/NV_Antenna 0
IEEE 802.11a_Channel 52_20MHz

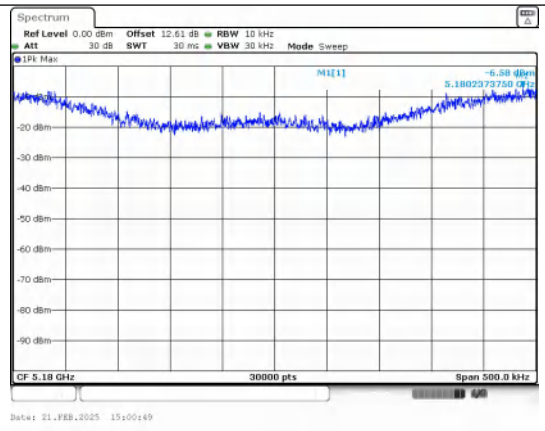


NT/NV_Antenna 0
IEEE 802.11a_Channel 60_20MHz

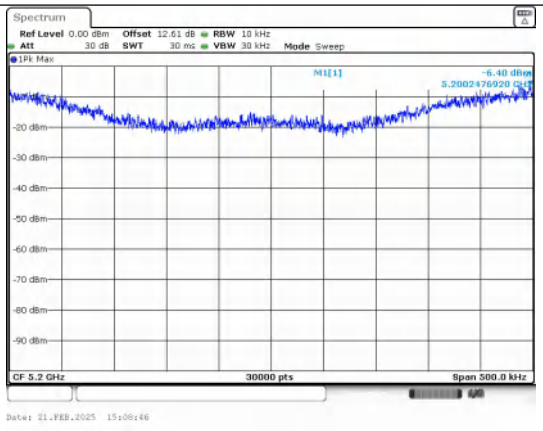


NT/NV_Antenna 0
IEEE 802.11a_Channel 64_20MHz

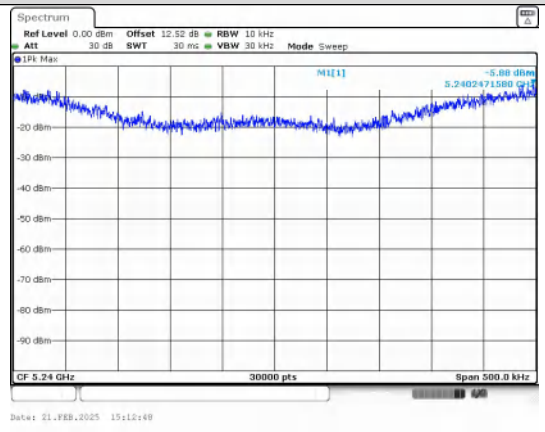
IEEE 802.11n_20



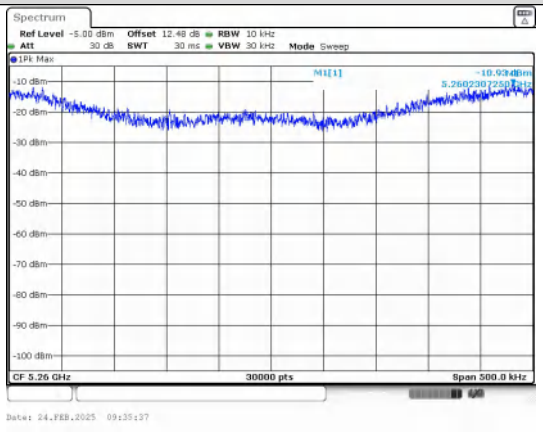
NT/NV_Antenna 0
IEEE 802.11n_Channel 36_20MHz



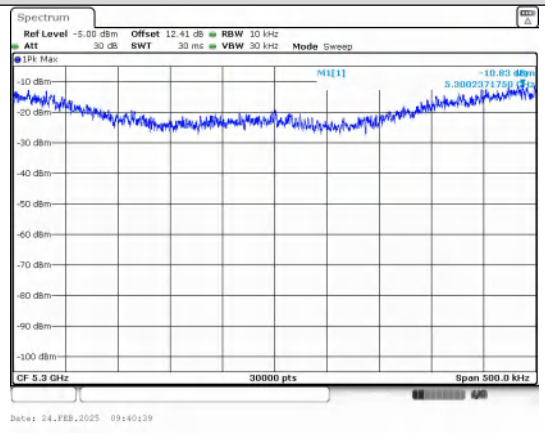
NT/NV_Antenna 0
IEEE 802.11n_Channel 40_20MHz



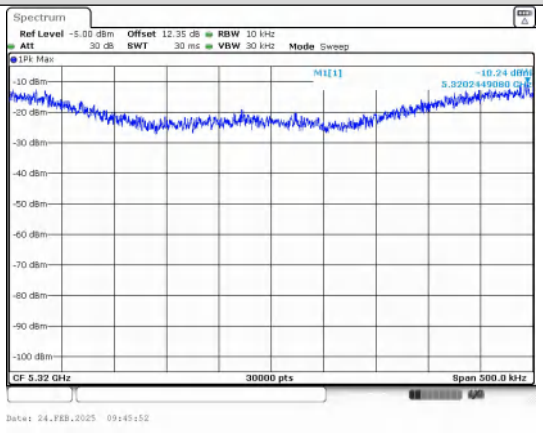
NT/NV_Antenna 0
IEEE 802.11n_Channel 48_20MHz



NT/NV_Antenna 0
IEEE 802.11n_Channel 52_20MHz

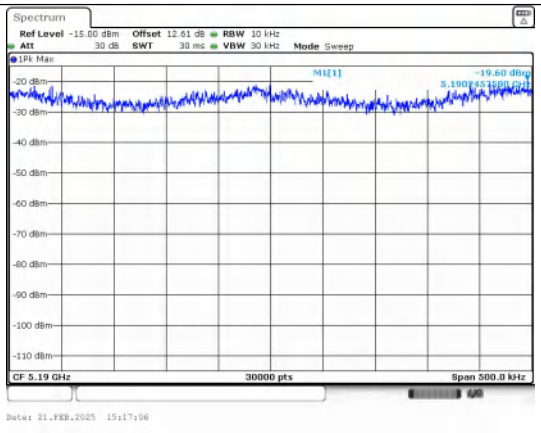
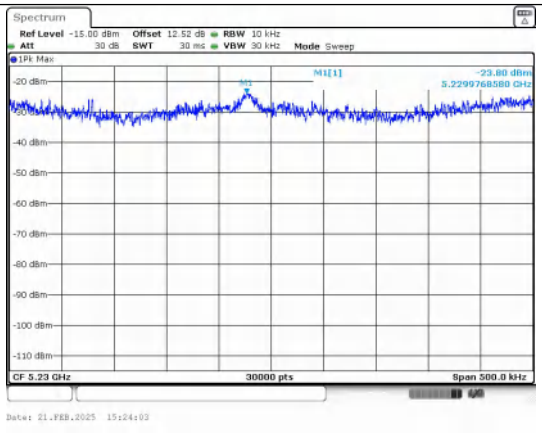
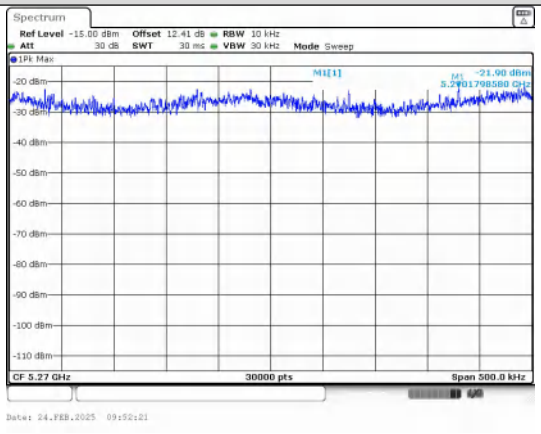
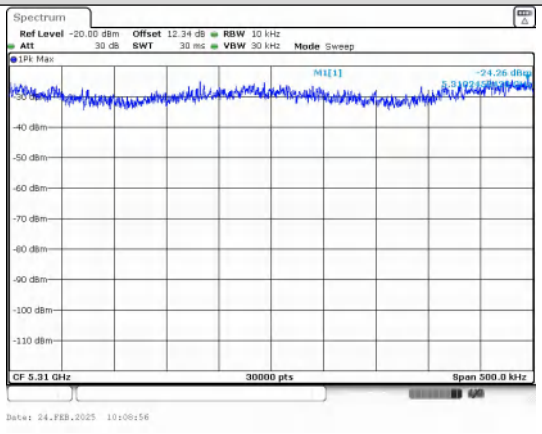


NT/NV_Antenna 0
IEEE 802.11n_Channel 60_20MHz

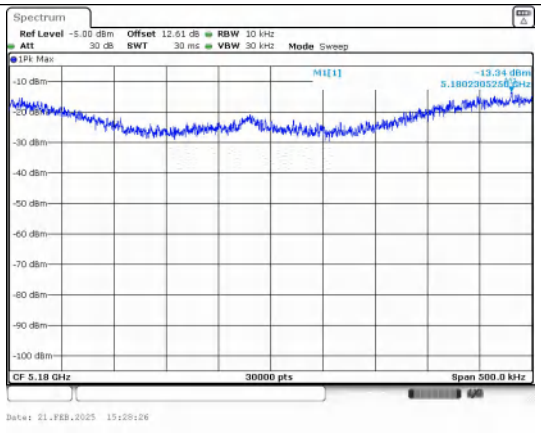


NT/NV_Antenna 0
IEEE 802.11n_Channel 64_20MHz

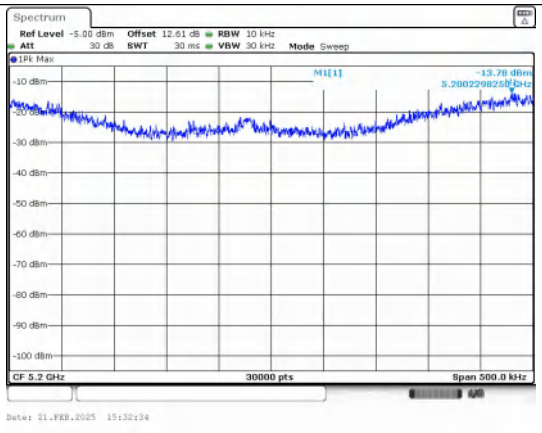
IEEE 802.11n_40

	
NT/NV_Antenna 0 **IEEE 802.11n_Channel 38_40MHz**	**NT/NV_Antenna 0** **IEEE 802.11n_Channel 46_40MHz**
	
NT/NV_Antenna 0 **IEEE 802.11n_Channel 54_40MHz**	**NT/NV_Antenna 0** **IEEE 802.11n_Channel 62_40MHz**

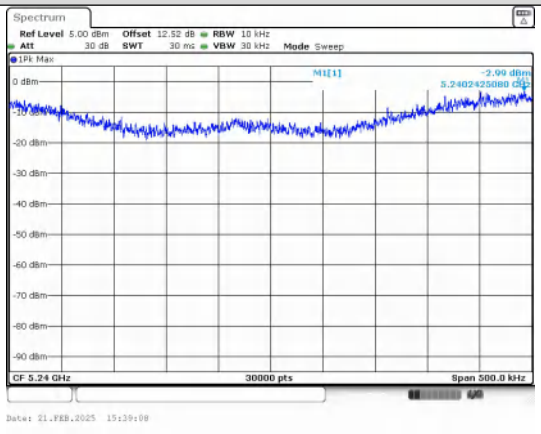
IEEE 802.11ac_20



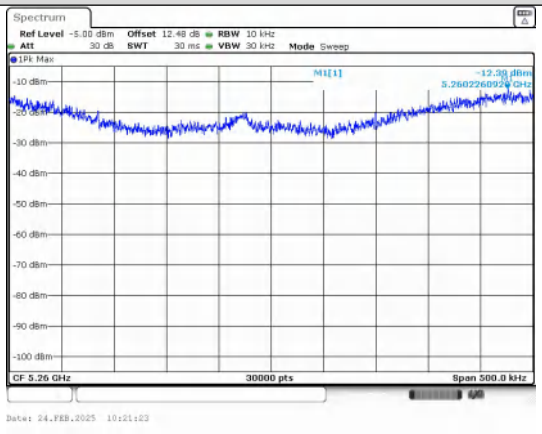
NT/NV_Antenna 0
IEEE 802.11ac_Channel 36_20MHz



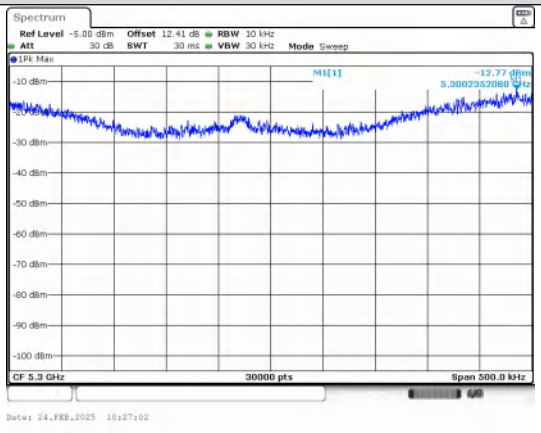
NT/NV_Antenna 0
IEEE 802.11ac_Channel 40_20MHz



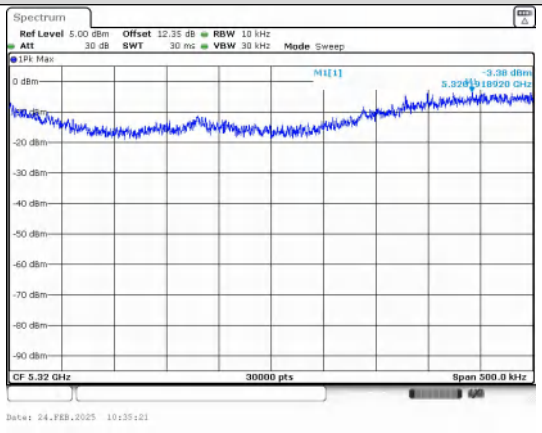
NT/NV_Antenna 0
IEEE 802.11ac_Channel 48_20MHz



NT/NV_Antenna 0
IEEE 802.11ac_Channel 52_20MHz

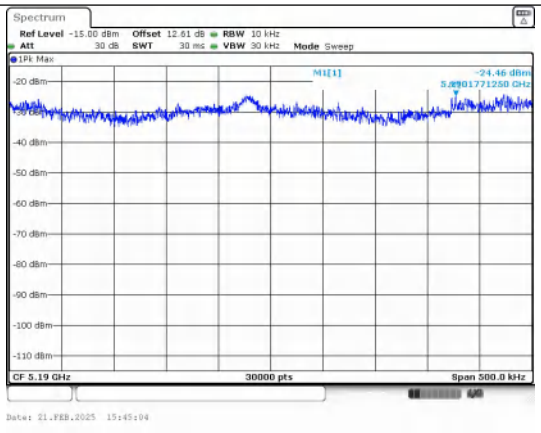


NT/NV_Antenna 0
IEEE 802.11ac_Channel 60_20MHz



NT/NV_Antenna 0
IEEE 802.11ac_Channel 64_20MHz

IEEE 802.11ac_40



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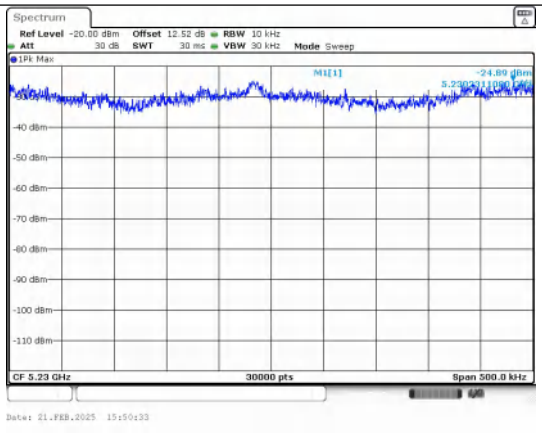

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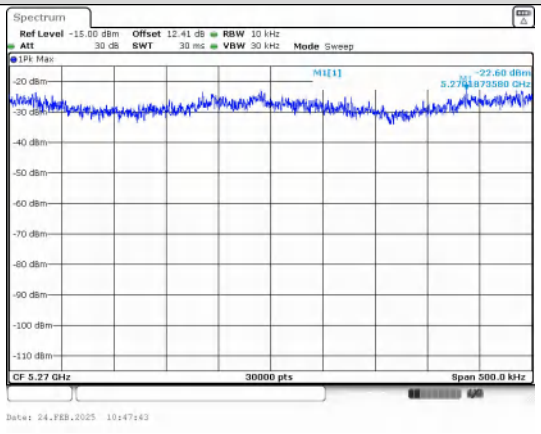

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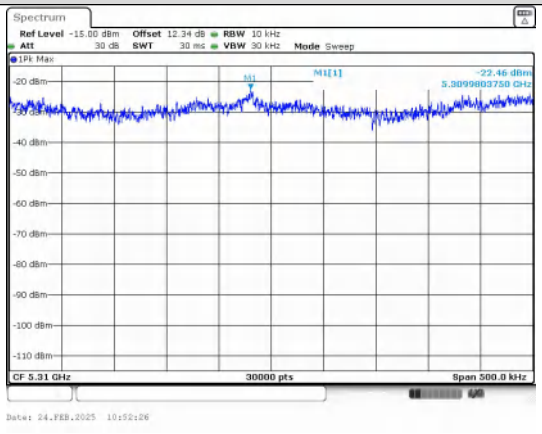

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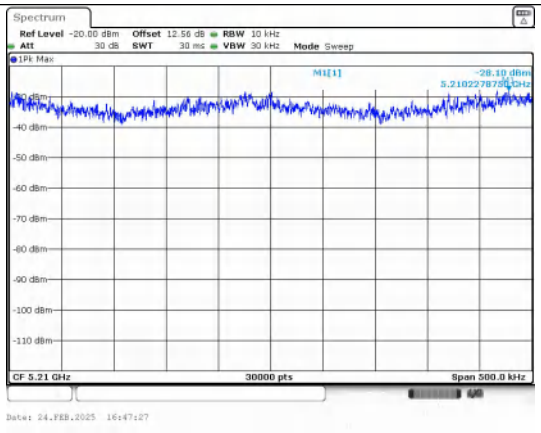
IEEE 802.11ac_Channel 62_40MHz

IEEE 802.11ac_80



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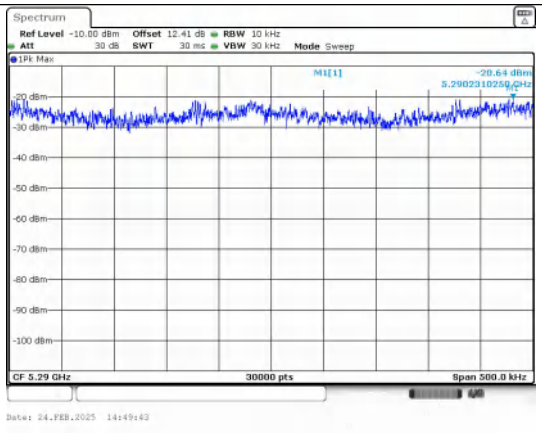
IEEE 802.11ac_Channel 42_80MHz



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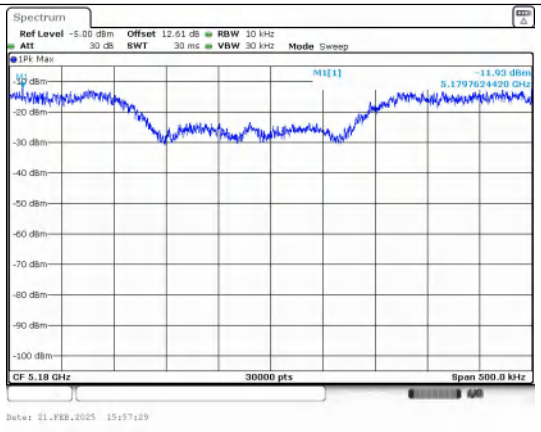
IEEE 802.11ac_Channel 58_80MHz

IEEE 802.11ax_20



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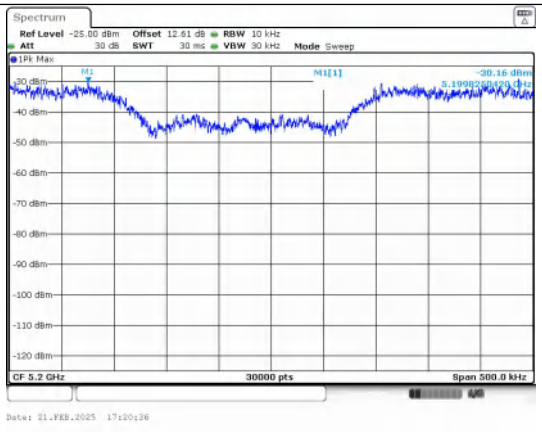
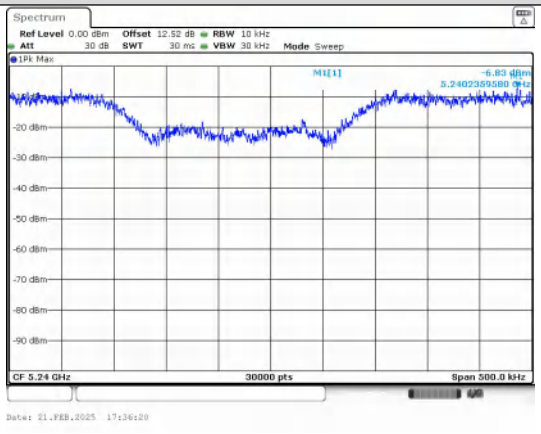
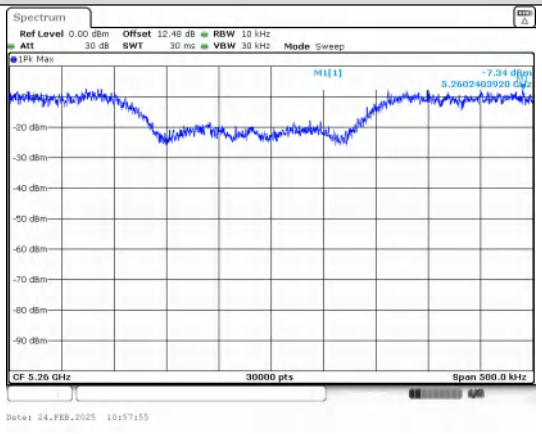
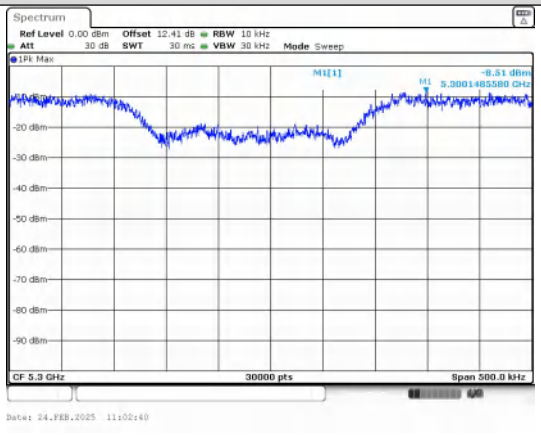
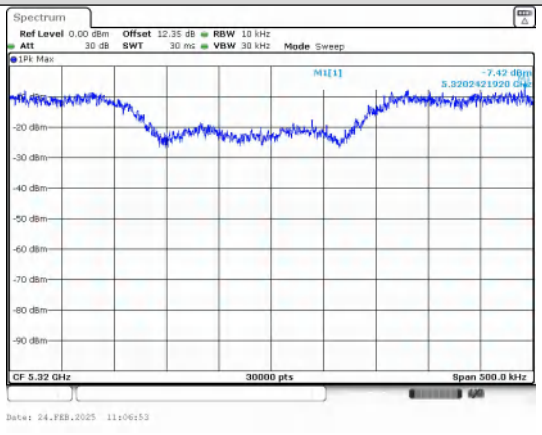
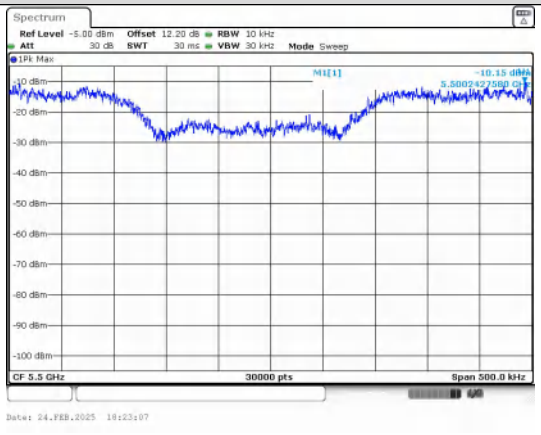
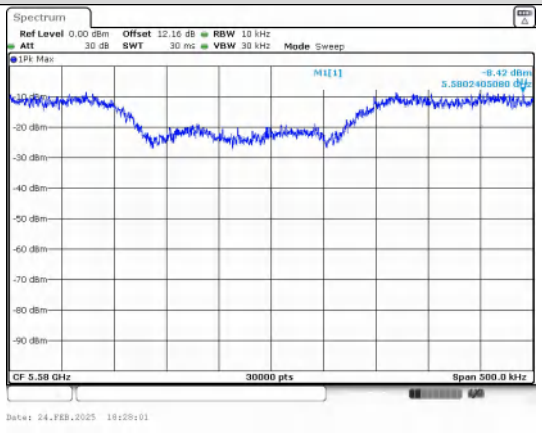
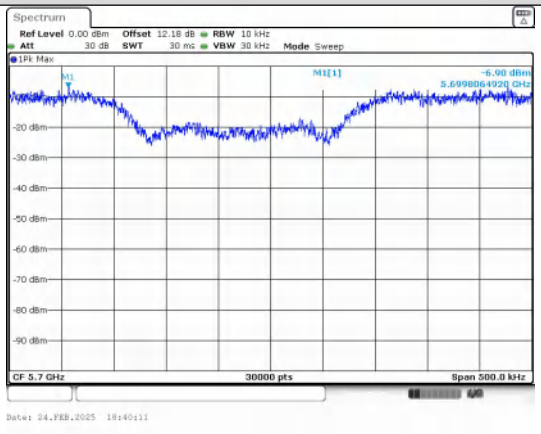
IEEE 802.11ax_Channel 36_20MHz



NT/NV_Antenna 0
IEEE 802.11ax_Channel 40_20MHz

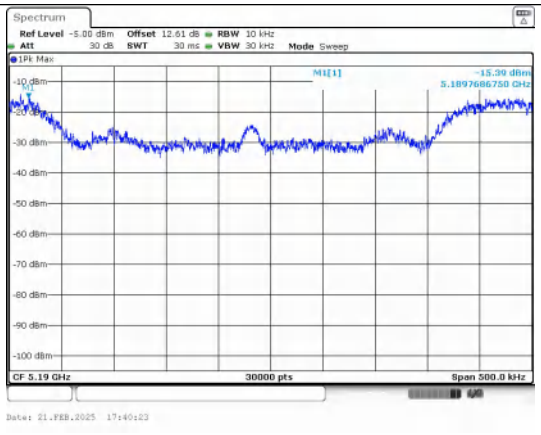
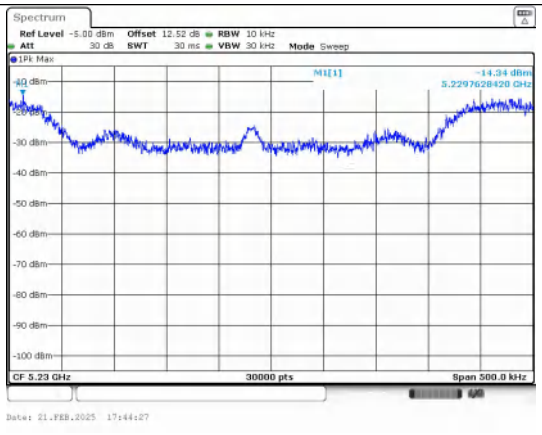
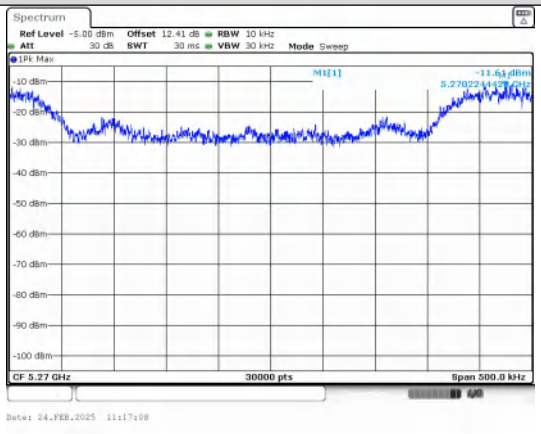
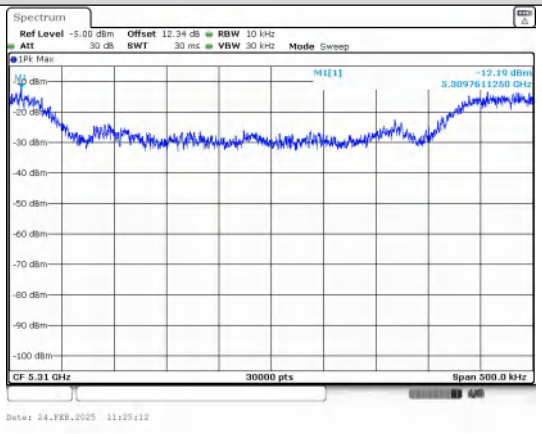


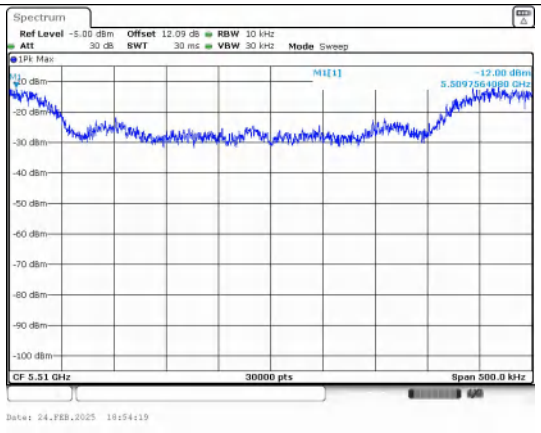


NT/NV_Antenna 0 IEEE 802.11ax_Channel 48_20MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 52_20MHz
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 60_20MHz	**NT/NV_Antenna 0 IEEE 802.11ax_Channel 64_20MHz**
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 100_20MHz	**NT/NV_Antenna 0 IEEE 802.11ax_Channel 116_20MHz**
	
NT/NV_Antenna 0	

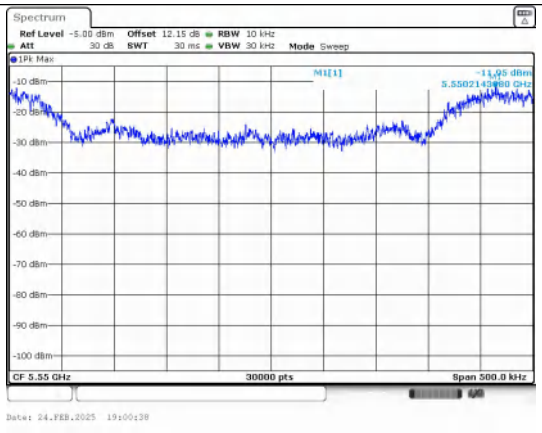
IEEE 802.11ax_Channel 140_20MHz

IEEE 802.11ax_40

	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 38_40MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 46_40MHz
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 54_40MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 62_40MHz



NT/NV_Antenna 0
IEEE 802.11ax_Channel 102_40MHz



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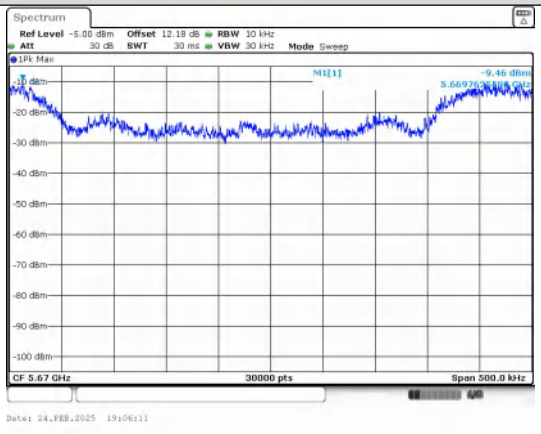
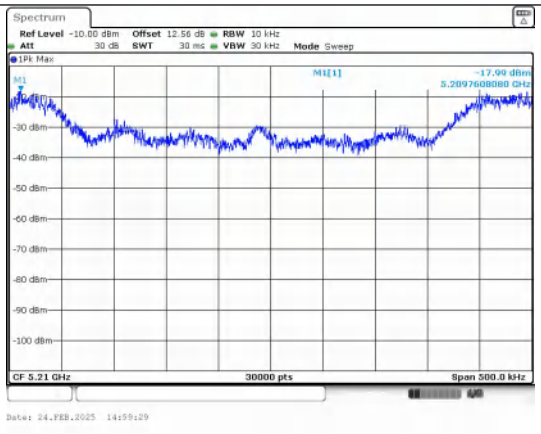
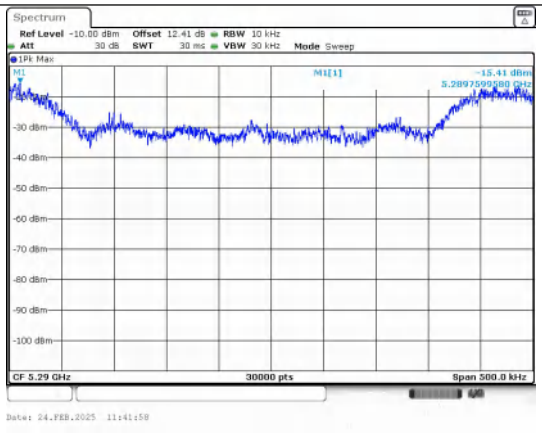
IEEE 802.11ax_Channel 110_40MHz

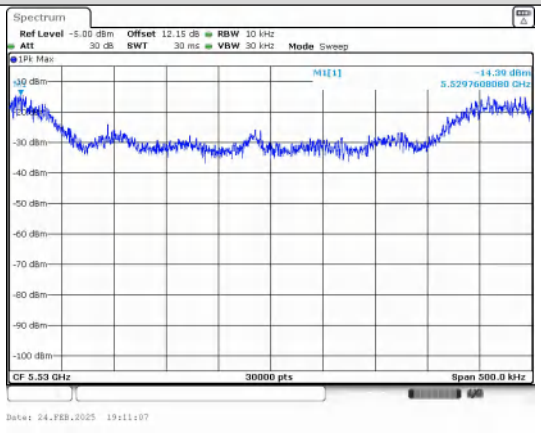
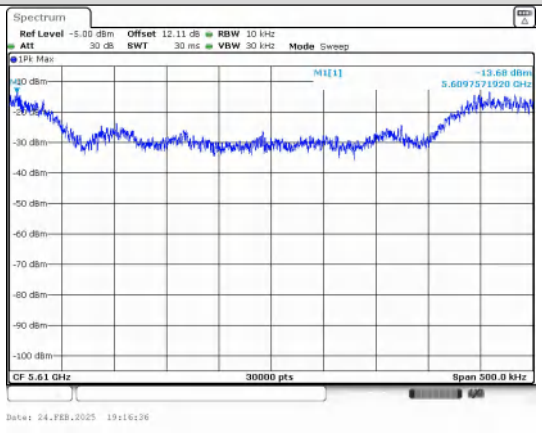


NT/NV_Antenna 0
IEEE 802.11ax_Channel 134_40MHz

IEEE 802.11ax_80





NT/NV_Antenna 0 IEEE 802.11ax_Channel 42_80MHz	NT/NV_Antenna 0 IEEE 802.11ax_Channel 58_80MHz
	
NT/NV_Antenna 0 IEEE 802.11ax_Channel 106_80MHz	**NT/NV_Antenna 0 IEEE 802.11ax_Channel 122_80MHz**

Peak Power Spectral Density

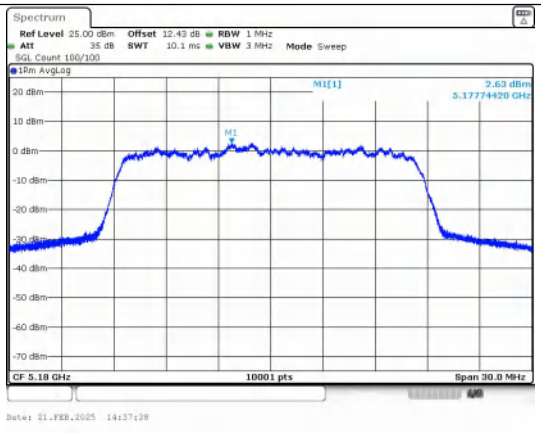
Test Result

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	N/A	2.630	2.929	11	PASS
	40		0.560	0.859		PASS
	48		-0.190	0.109		PASS
	52		-3.200	-2.901		PASS
	60		-3.970	-3.671		PASS
	64		-3.440	-3.141		PASS
	100		0.710	1.009		PASS
	116		0.990	1.289		PASS
	140		0.800	1.099		PASS
IEEE 802.11n_20	36		-1.220	0.346		PASS
	40		-2.980	-1.414		PASS
	48		-1.540	0.026		PASS
	52		-9.140	-7.574		PASS
	60		-8.500	-6.934		PASS
	64		-10.370	-8.804		PASS
	100		-5.350	-3.784		PASS
	116		-6.430	-4.864		PASS
	140		-7.450	-5.884		PASS
IEEE 802.11n_40	38		-4.260	-1.563		PASS
	46		-7.360	-4.663		PASS
	54		-6.010	-3.313		PASS
	62		-8.080	-5.383		PASS
	110		-13.820	-11.123		PASS
	134		-10.760	-8.063		PASS

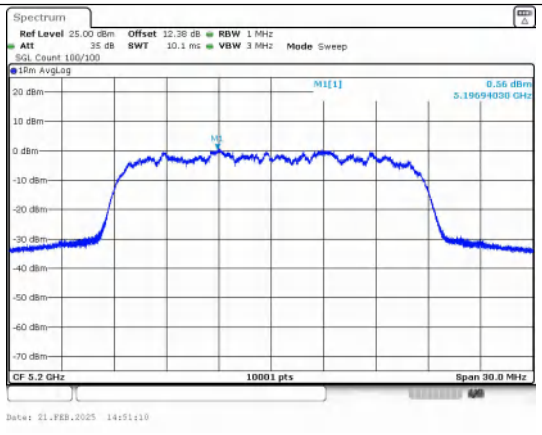
IEEE 802.11ac_20	36		-4.540	-4.351		PASS
	40		-4.950	-4.761		PASS
	48		5.140	5.329		PASS
	52		-3.820	-3.631		PASS
	60		-4.790	-4.601		PASS
	64		5.040	5.229		PASS
	100		-2.440	-2.251		PASS
	116		0.130	0.319		PASS
	140		7.120	7.309		PASS
IEEE 802.11ac_40	38		-8.630	-5.351		PASS
	46		-10.310	-7.031		PASS
	54		-8.540	-5.261		PASS
	62		-16.690	-13.411		PASS
	110		-10.650	-7.371		PASS
	134		-6.880	-3.601		PASS
IEEE 802.11ac_80	42		-17.140	-15.207		PASS
	58		-17.320	-15.386		PASS
	106		-19.290	-17.357		PASS
	122		-13.980	-12.046		PASS
IEEE 802.11ax_20	36	SU	-6.720	-5.526		PASS
	40		-22.630	-21.436		PASS
	48		-1.610	-0.416		PASS
	52		-3.620	-2.426		PASS
	60		-4.180	-2.986		PASS
	64		-3.420	-2.226		PASS
	100		-5.810	-4.616		PASS
	116		-3.980	-2.786		PASS
	140		-2.770	-1.576		PASS

IEEE 802.11ax_40	38		-11.400	-9.053		PASS
	46		-11.910	-9.563		PASS
	54		-16.710	-14.363		PASS
	62		-17.630	-15.283		PASS
	102		-17.290	-14.943		PASS
	110		-8.720	-6.373		PASS
	134		-8.560	-6.213		PASS
IEEE 802.11ax_80	42		-16.830	-13.456		PASS
	58		-13.050	-9.676		PASS
	106		-22.670	-19.296		PASS
	122		-15.340	-11.966		PASS

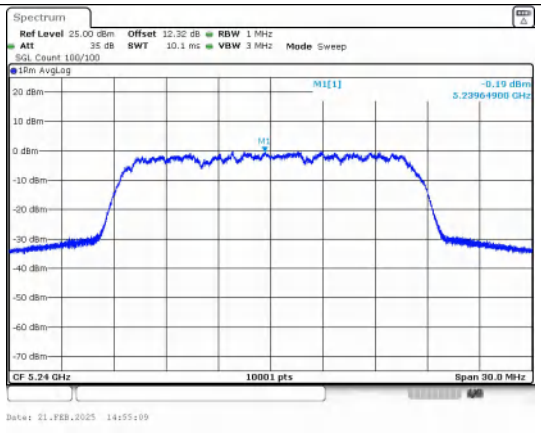
Test Graphs



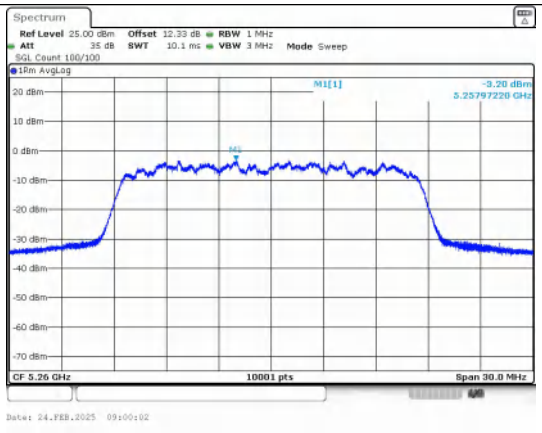
IEEE 802.11a_Channel 36_20MHz_Antenna 0



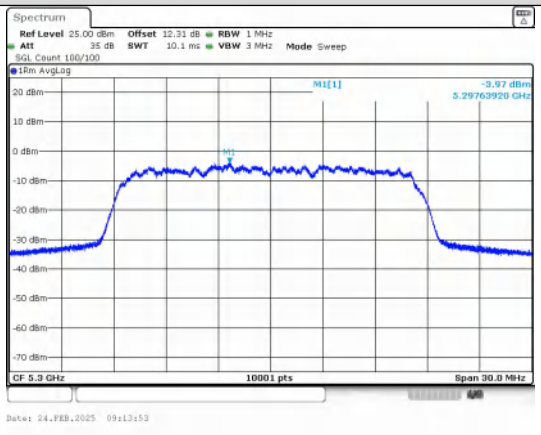
IEEE 802.11a_Channel 40_20MHz_Antenna 0



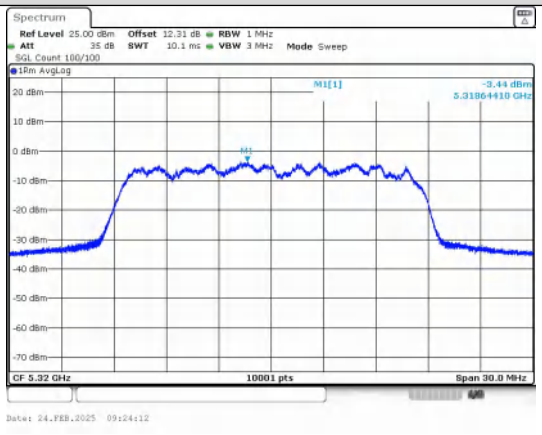
IEEE 802.11a_Channel 48_20MHz_Antenna 0



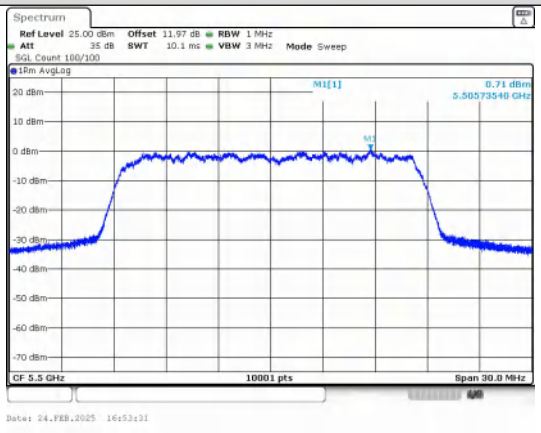
IEEE 802.11a_Channel 52_20MHz_Antenna 0



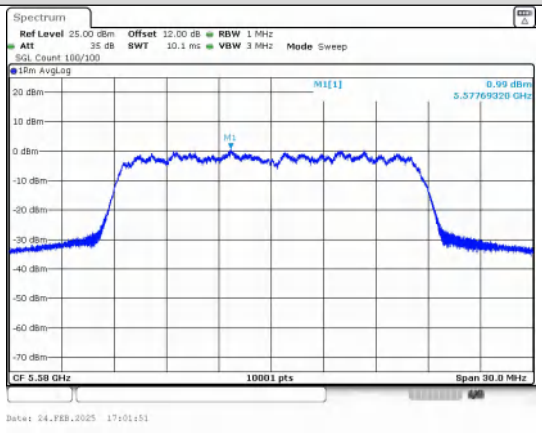
IEEE 802.11a_Channel 60_20MHz_Antenna 0



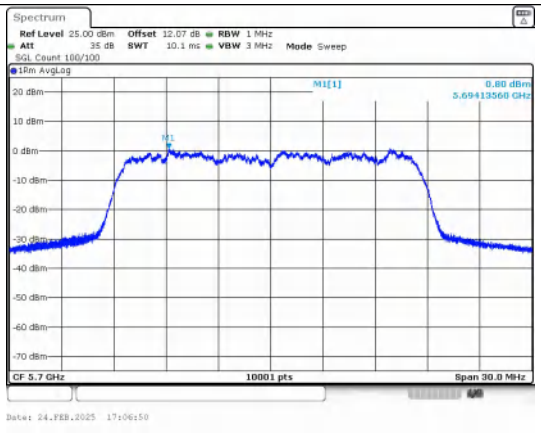
IEEE 802.11a_Channel 64_20MHz_Antenna 0



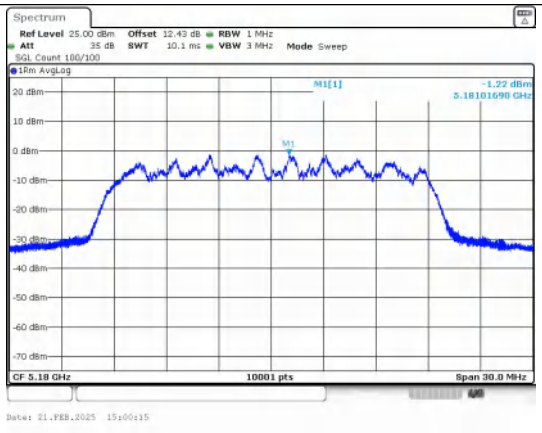
IEEE 802.11a_Channel 100_20MHz_Antenna 0



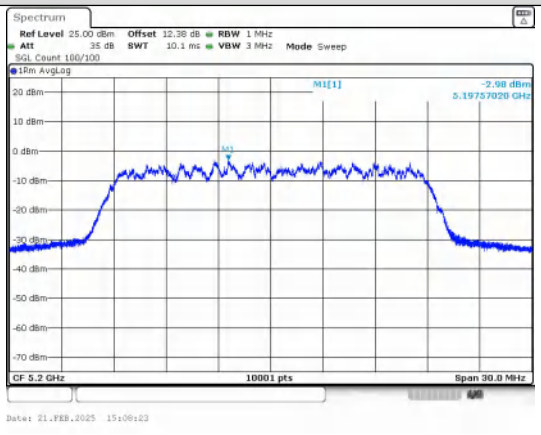
IEEE 802.11a_Channel 116_20MHz_Antenna 0



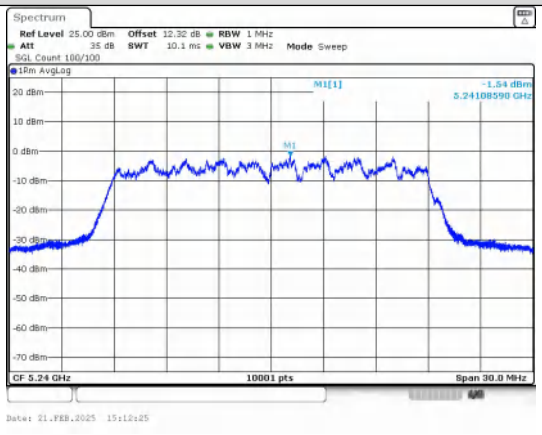
IEEE 802.11a_Channel 140_20MHz_Antenna 0



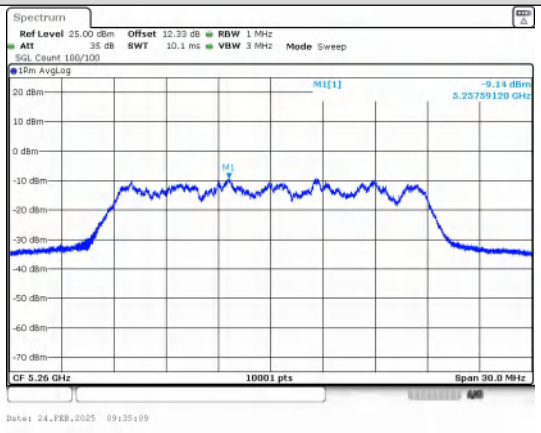
IEEE 802.11n_Channel 36_20MHz_Antenna 0



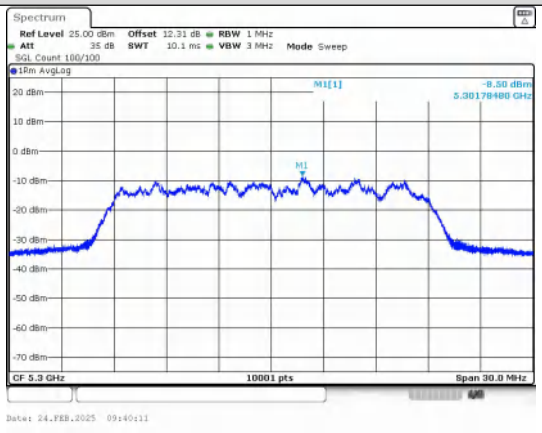
IEEE 802.11n_Channel 40_20MHz_Antenna 0



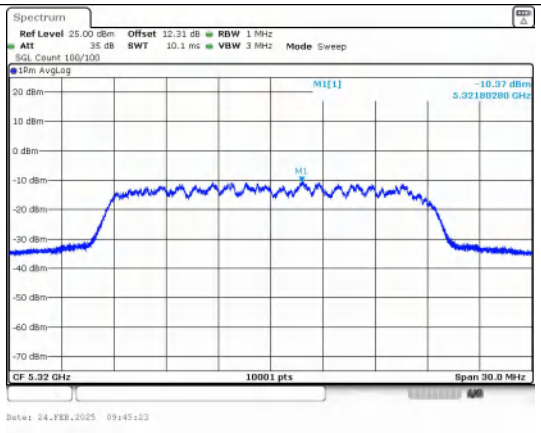
IEEE 802.11n_Channel 48_20MHz_Antenna 0



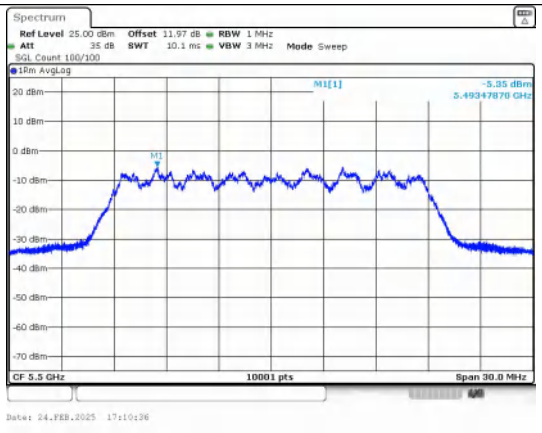
IEEE 802.11n_Channel 52_20MHz_Antenna 0



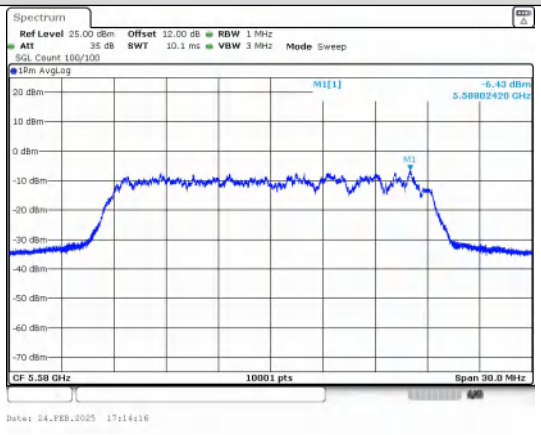
IEEE 802.11n_Channel 60_20MHz_Antenna 0



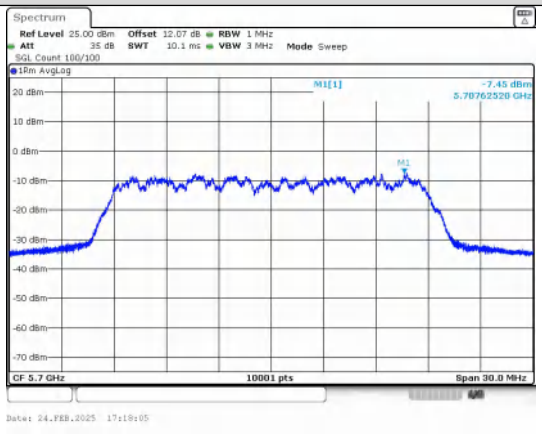
IEEE 802.11n_Channel 64_20MHz_Antenna 0



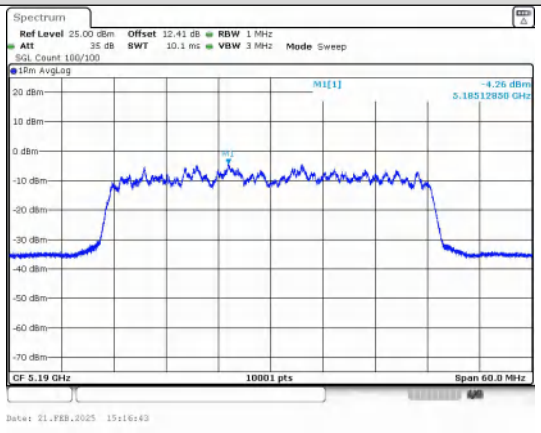
IEEE 802.11n_Channel 100_20MHz_Antenna 0



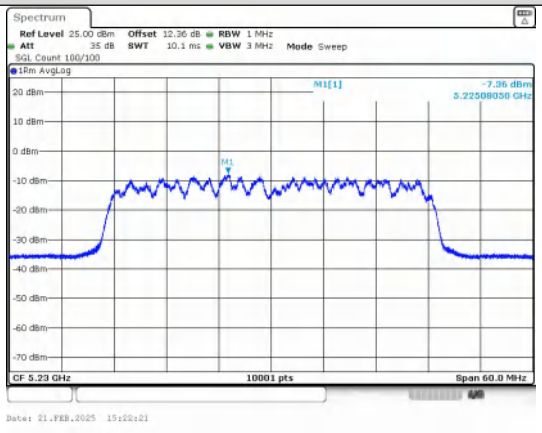
IEEE 802.11n_Channel 116_20MHz_Antenna 0



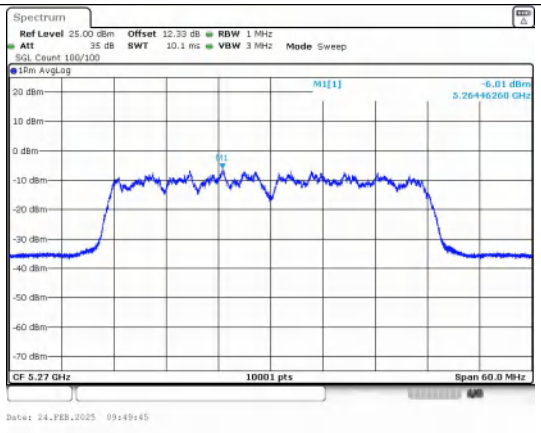
IEEE 802.11n_Channel 140_20MHz_Antenna 0



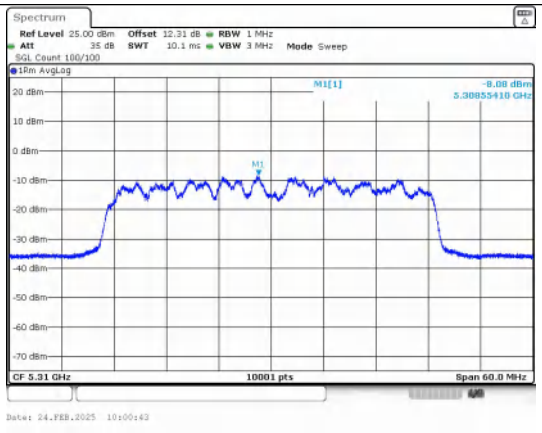
IEEE 802.11n_Channel 38_40MHz_Antenna 0



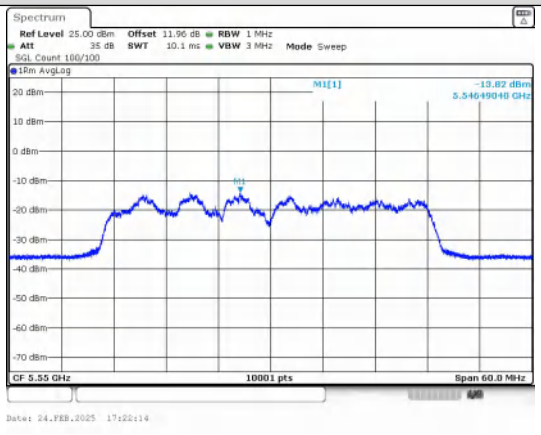
IEEE 802.11n_Channel 46_40MHz_Antenna 0



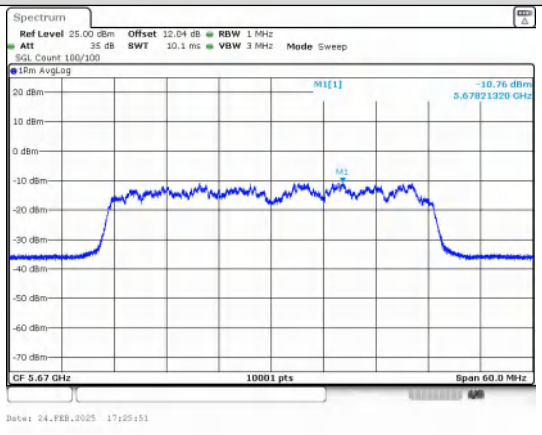
IEEE 802.11n_Channel 54_40MHz_Antenna 0



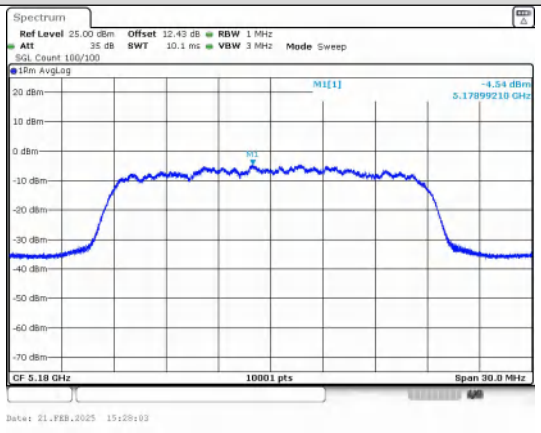
IEEE 802.11n_Channel 62_40MHz_Antenna 0



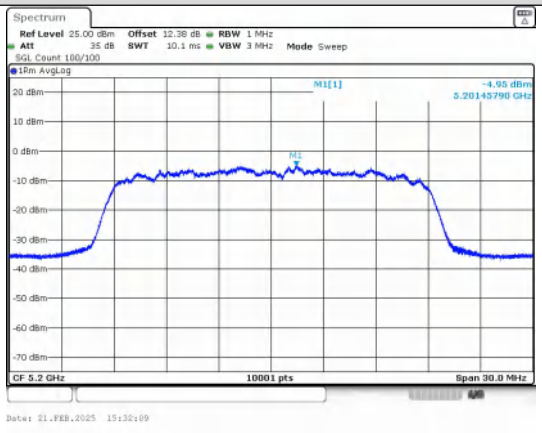
IEEE 802.11n_Channel 110_40MHz_Antenna 0



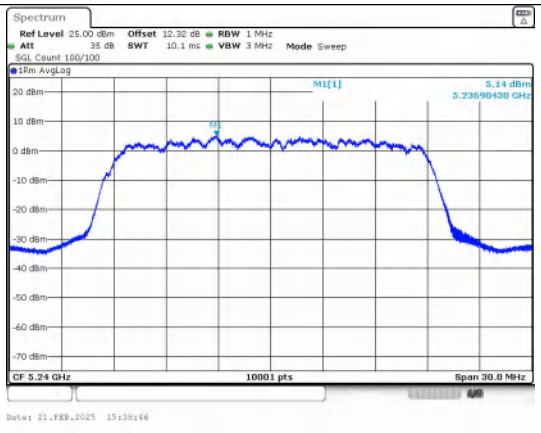
IEEE 802.11n_Channel 134_40MHz_Antenna 0



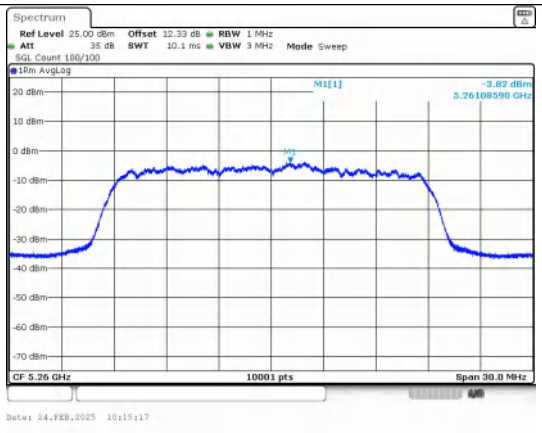
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



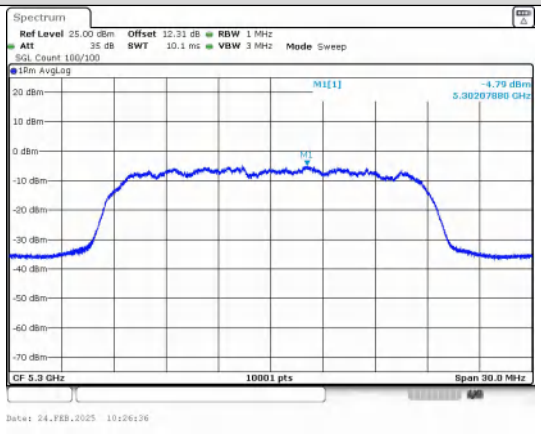
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



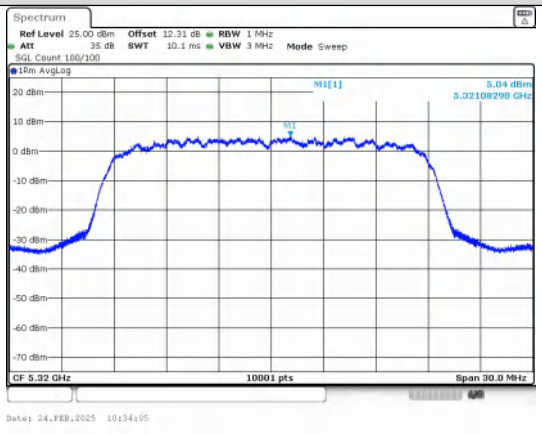
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



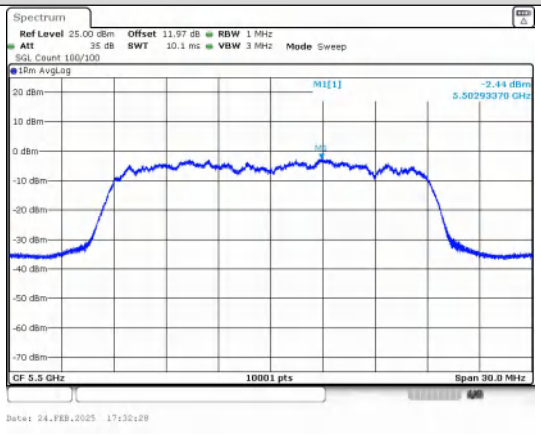
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



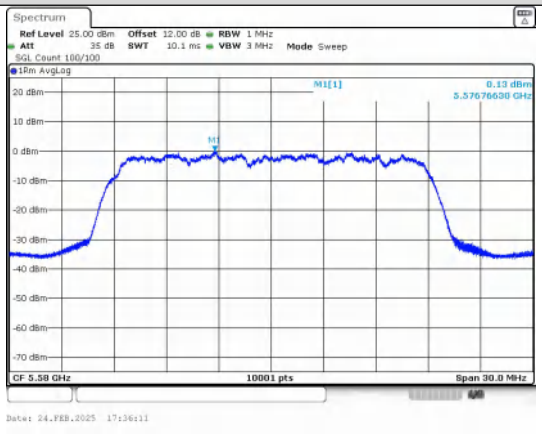
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



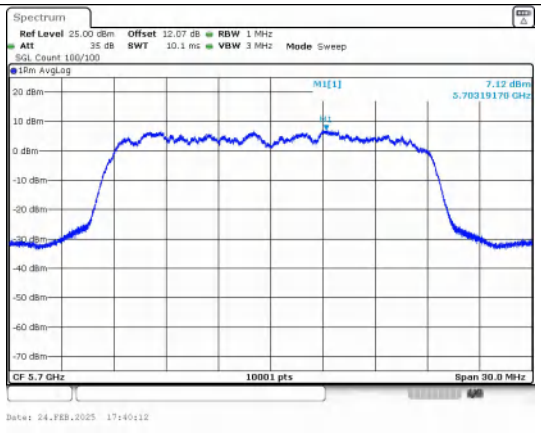
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



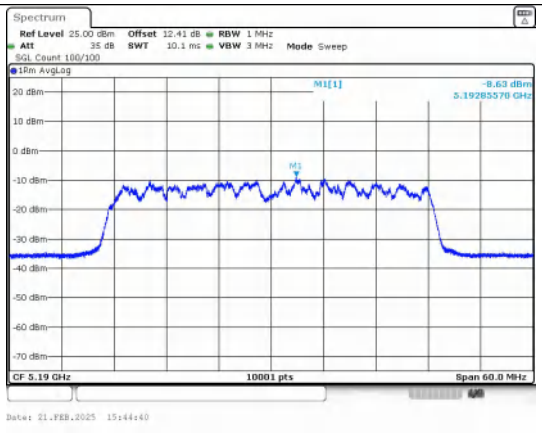
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



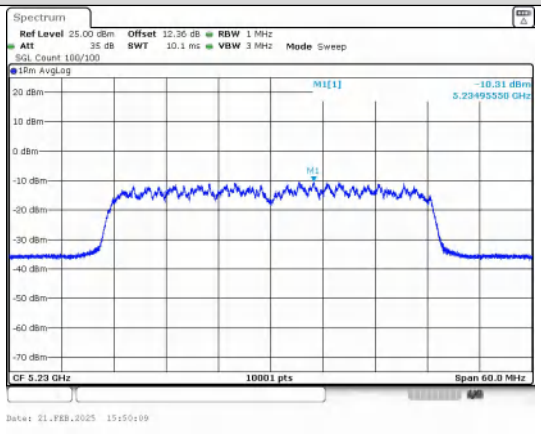
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



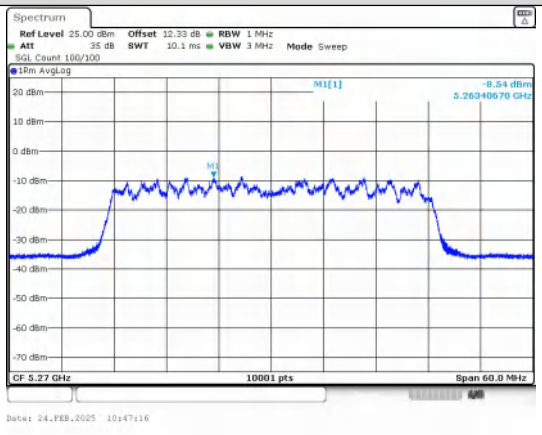
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



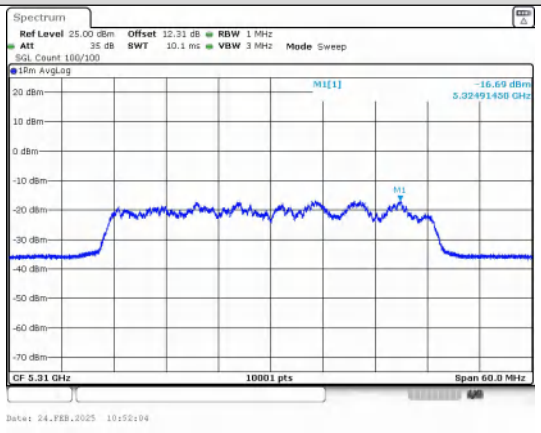
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



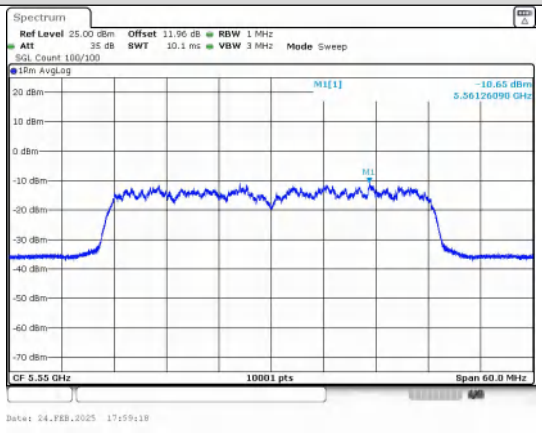
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



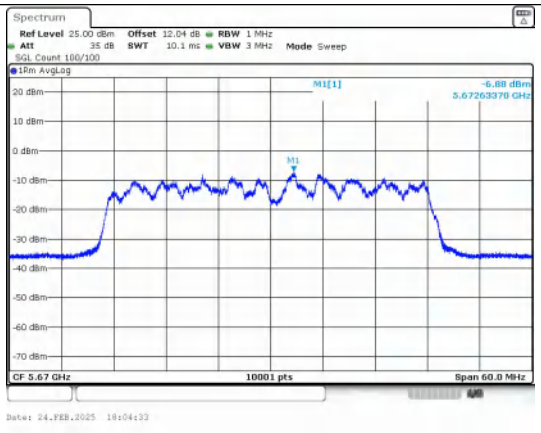
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



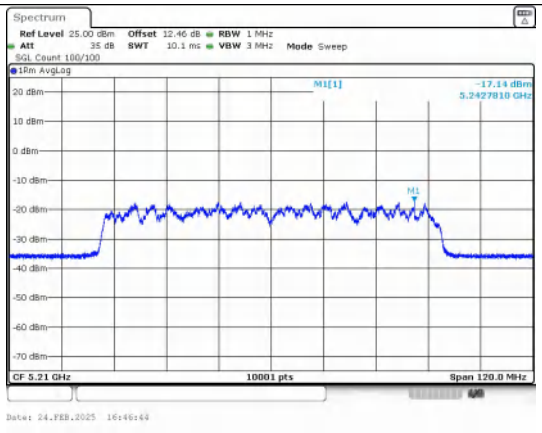
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



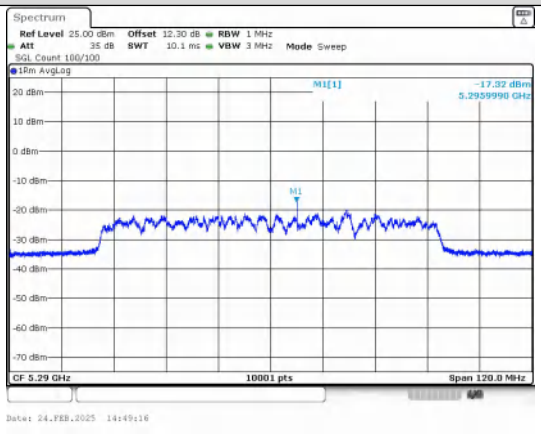
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



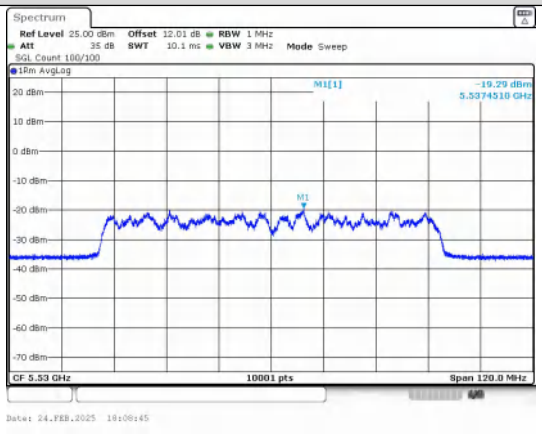
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



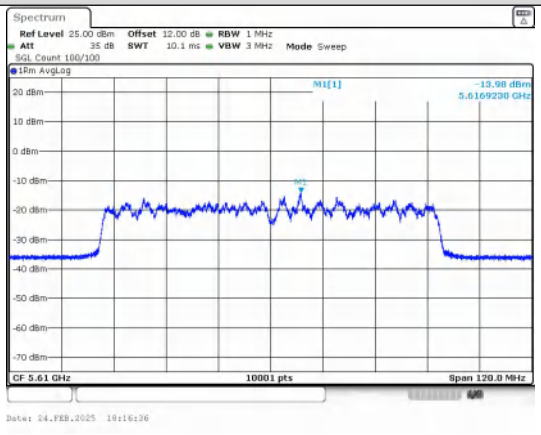
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



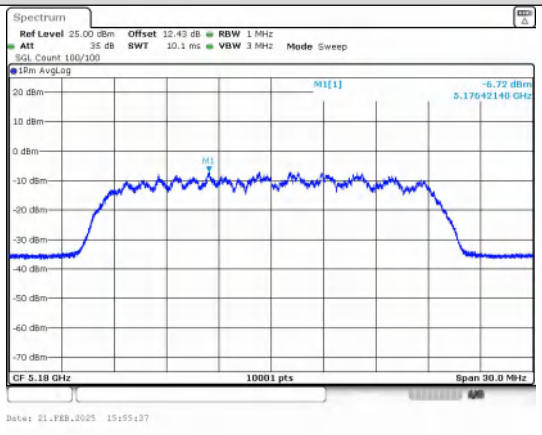
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



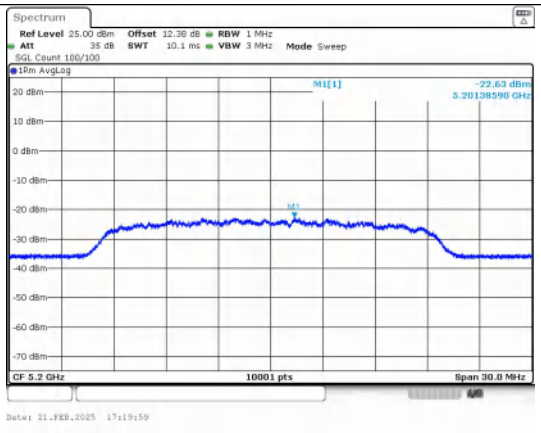
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



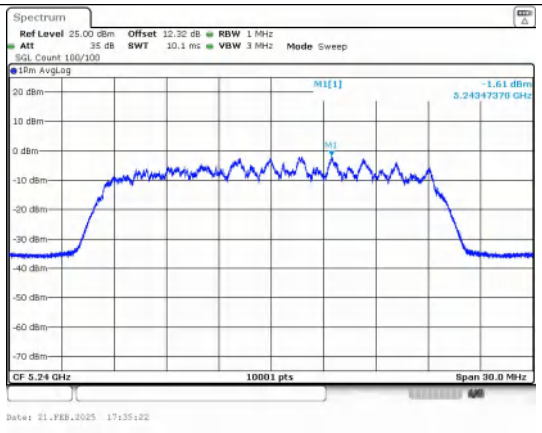
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



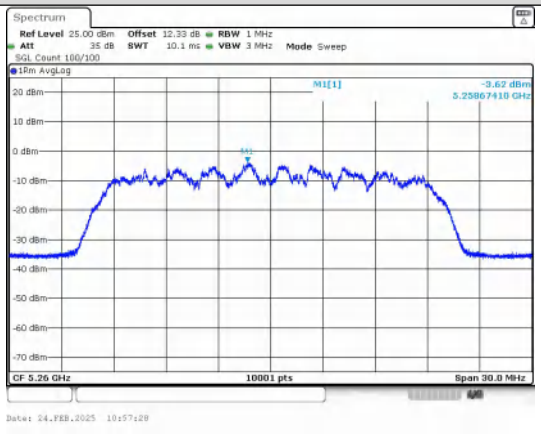
IEEE 802.11ax_Channel 36_20MHz_Antenna 0_RU&Index SU



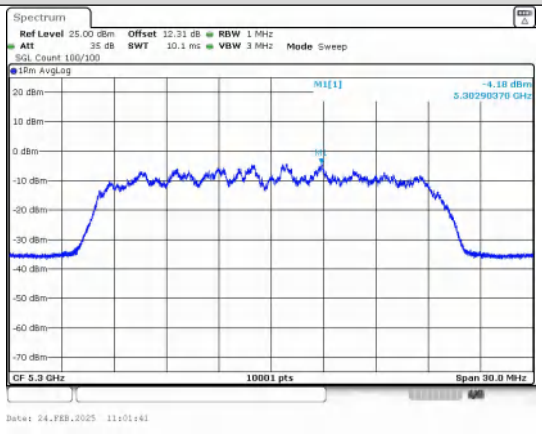
IEEE 802.11ax_Channel 40_20MHz_Antenna 0_RU&Index SU



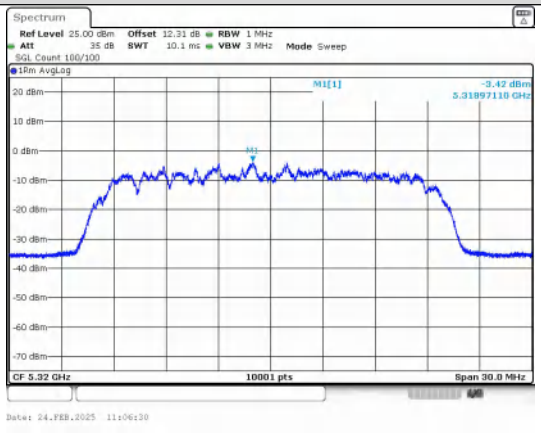
IEEE 802.11ax_Channel 48_20MHz_Antenna 0_RU&Index SU



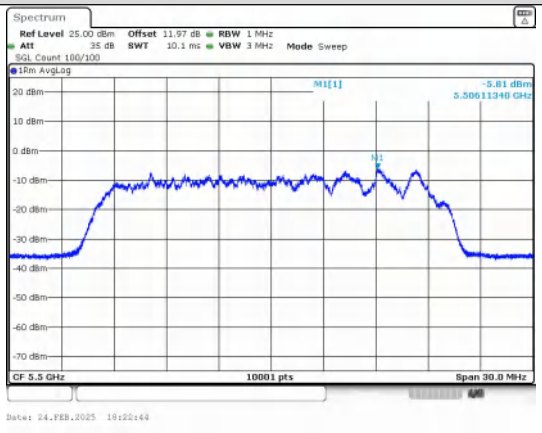
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



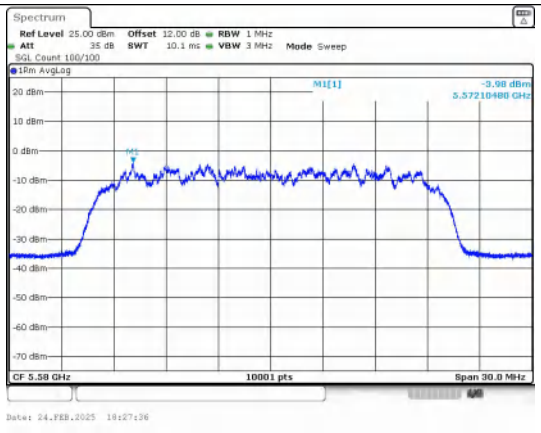
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



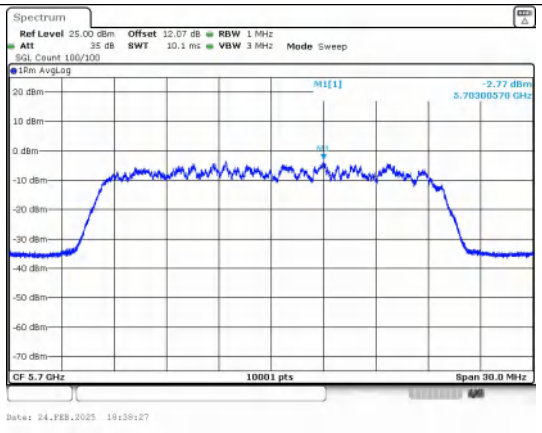
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



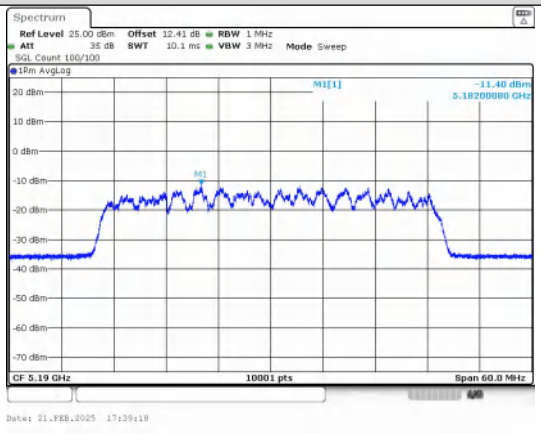
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



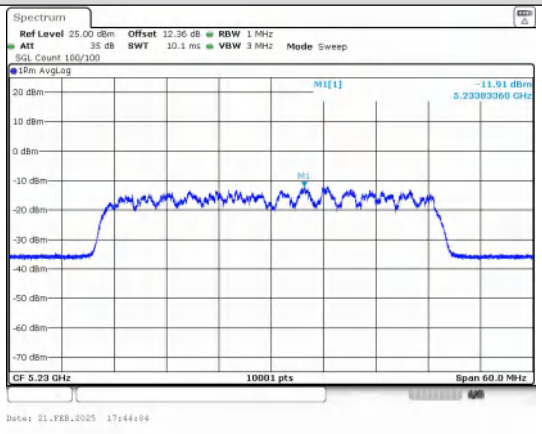
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



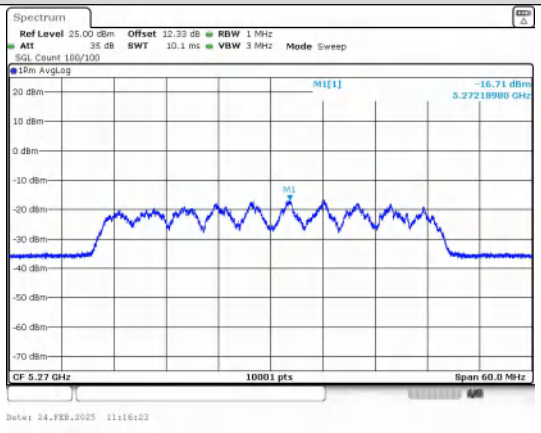
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



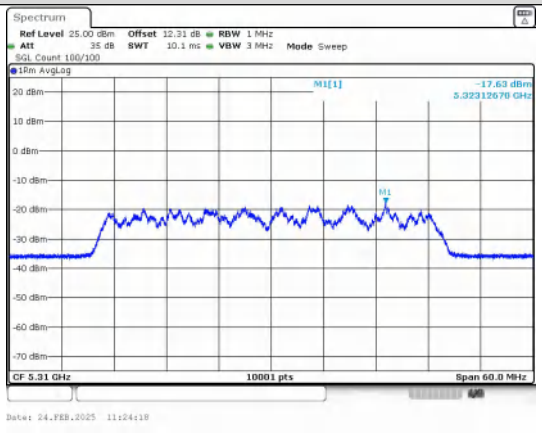
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



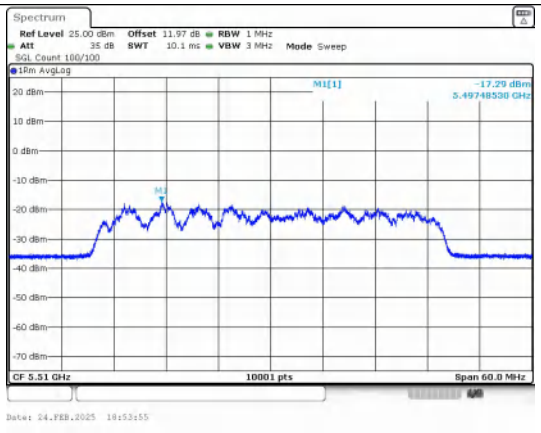
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



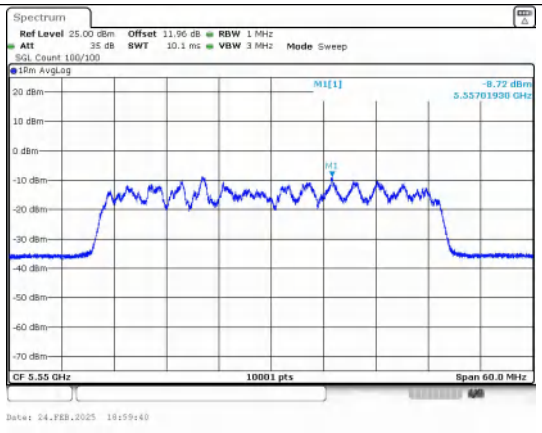
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



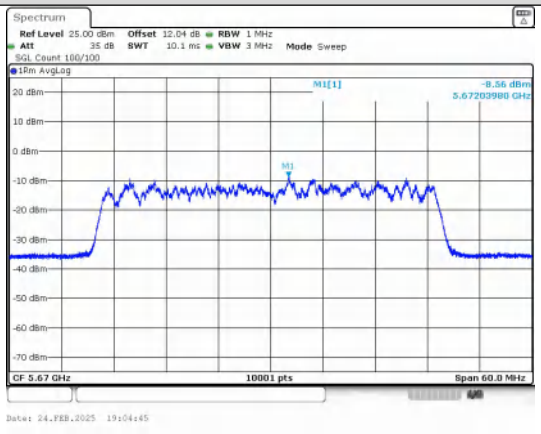
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



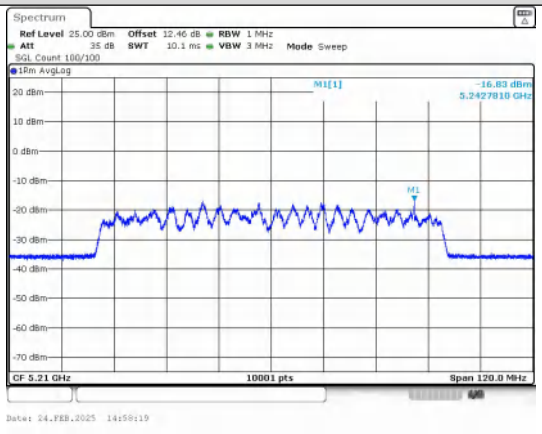
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



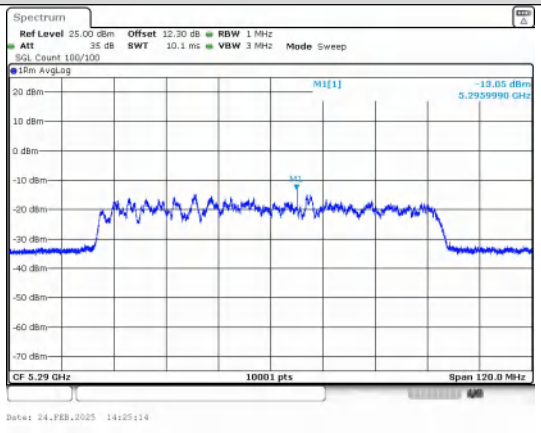
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



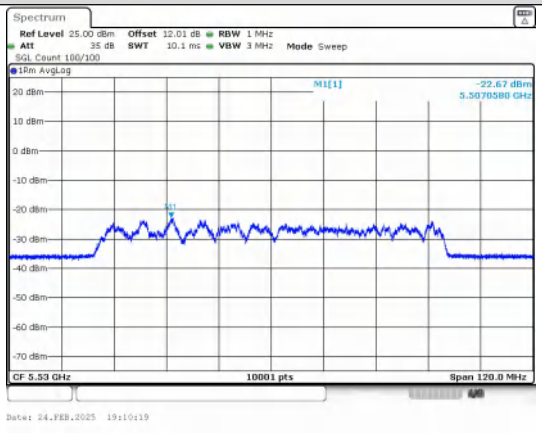
IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



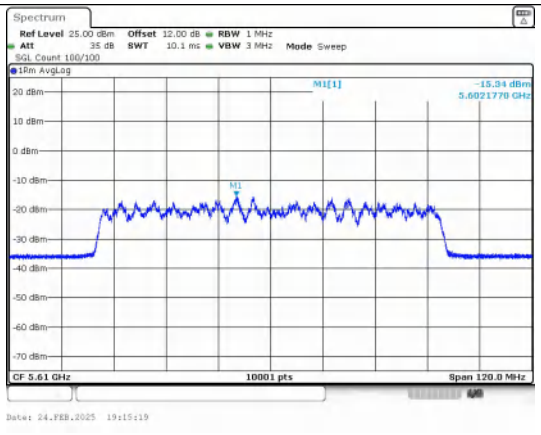
IEEE 802.11ax_Channel 42_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU

Conducted Peak Output Power

Conducted output power

Mode	Channel	RU & Index	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11ax_20	36	SU	2.798	3.99	≤24	PASS
	40		-12.988	-11.79	≤24	PASS
	48		6.285	7.48	≤24	PASS
IEEE 802.11ax_40	38		0.692	3.04	≤24	PASS
	46		0.489	2.84	≤24	PASS
IEEE 802.11ax_80	42		-3.568	-0.19	≤24	PASS

Conducted Output Power

Conducted output power

Mode	Channel	RU & Index	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	N/A	12.147	12.45	≤24	PASS
	40		9.986	10.28	≤24	PASS
	48		9.864	10.16	≤24	PASS
	52		5.232	5.53	≤24	PASS
	60		5.500	5.8	≤24	PASS
	64		5.642	5.94	≤24	PASS
	100		10.812	11.11	≤24	PASS
	116		10.248	10.55	≤24	PASS
	140		10.531	10.83	≤24	PASS
IEEE 802.11n_20	36		7.422	8.99	≤24	PASS
	40		7.330	8.9	≤24	PASS
	48		7.236	8.8	≤24	PASS
	52		2.116	3.68	≤24	PASS
	60		0.541	2.11	≤24	PASS
	64		0.346	1.91	≤24	PASS
	100		4.016	5.58	≤24	PASS
	116		2.970	4.54	≤24	PASS
	140		2.423	3.99	≤24	PASS
IEEE 802.11n_40	38		7.666	10.36	≤24	PASS
	46		4.093	6.79	≤24	PASS
	54		4.361	7.06	≤24	PASS
	62		-1.439	1.26	≤24	PASS
	110		2.791	5.49	≤24	PASS
	134		0.821	3.52	≤24	PASS

IEEE 802.11ac_20	36		5.240	5.43	≤24	PASS
	40		4.865	5.05	≤24	PASS
	48		15.275	15.46	≤24	PASS
	52		5.906	6.09	≤24	PASS
	60		5.019	5.21	≤24	PASS
	64		15.256	15.44	≤24	PASS
	100		7.527	7.72	≤24	PASS
	116		10.238	10.43	≤24	PASS
	140		16.784	16.97	≤24	PASS
IEEE 802.11ac_40	38		2.776	6.05	≤24	PASS
	46		2.603	5.88	≤24	PASS
	54		1.982	5.26	≤24	PASS
	62		-1.570	1.71	≤24	PASS
	110		-2.202	1.08	≤24	PASS
	134		0.504	3.78	≤24	PASS
IEEE 802.11ac_80	42		-2.223	-0.29	≤24	PASS
	58		1.256	3.19	≤24	PASS
	106		-3.279	-1.35	≤24	PASS
	122		-6.430	-4.5	≤24	PASS
IEEE 802.11ax_20	52	SU	5.227	6.42	≤24	PASS
	60		4.654	5.85	≤24	PASS
	64		4.427	5.62	≤24	PASS
	100		2.984	4.18	≤24	PASS
	116		5.665	6.86	≤24	PASS
	140		6.569	7.76	≤24	PASS
IEEE 802.11ax_40	54		1.875	4.22	≤24	PASS
	62		-3.528	-1.18	≤24	PASS
	102		1.104	3.45	≤24	PASS

	110		0.483	2.83	≤24	PASS
	134		2.792	5.14	≤24	PASS
IEEE 802.11ax_80	58		1.055	4.43	≤24	PASS
	106		-2.867	0.51	≤24	PASS
	122		-2.930	0.44	≤24	PASS

6dB Bandwidth

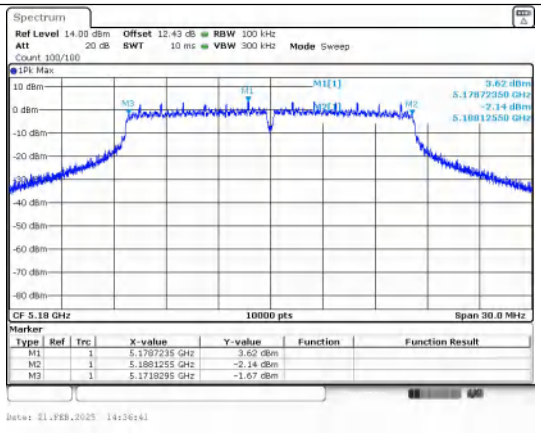
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	N/A	0	5180	16.30	≥0.5	PASS
	40			5200	16.30		PASS
	48			5240	16.32		PASS
	52			5260	16.30		PASS
	60			5300	16.32		PASS
	64			5320	16.30		PASS
	100			5500	16.34		PASS
	116			5580	16.35		PASS
	140			5700	16.34		PASS
IEEE 802.11n_20	36			5180	17.66		PASS
	40			5200	17.63		PASS
	48			5240	17.63		PASS
	52			5260	17.63		PASS
	60			5300	17.63		PASS
	64			5320	17.67		PASS
	100			5500	17.70		PASS
	116			5580	17.72		PASS
	140			5700	17.70		PASS
IEEE 802.11n_40	38			5190	35.29		PASS
	46			5230	35.99		PASS
	54			5270	36.16		PASS
	62			5310	35.94		PASS
	110			5550	36.42		PASS
	134			5670	36.35		PASS

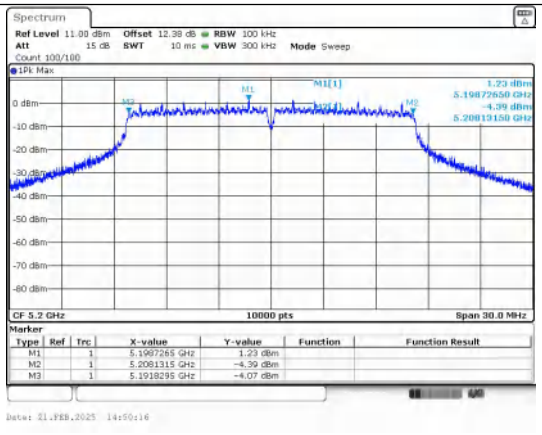
IEEE 802.11ac_20	36			5180	15.03		PASS
	40			5200	15.10		PASS
	48			5240	16.82		PASS
	52			5260	13.82		PASS
	60			5300	15.13		PASS
	64			5320	16.25		PASS
	100			5500	15.40		PASS
	116			5580	15.39		PASS
	140			5700	17.62		PASS
IEEE 802.11ac_40	38			5190	35.35		PASS
	46			5230	35.99		PASS
	54			5270	35.85		PASS
	62			5310	35.89		PASS
	110			5550	36.38		PASS
	134			5670	36.03		PASS
IEEE 802.11ac_80	42			5210	75.08		PASS
	58			5290	75.06		PASS
	106			5530	76.27		PASS
	122			5610	76.26		PASS
IEEE 802.11ax_20	36	SU		5180	17.05		PASS
	40			5200	16.96		PASS
	48			5240	17.70		PASS
	52			5260	17.46		PASS
	60			5300	17.53		PASS
	64			5320	17.59		PASS
	100			5500	18.83		PASS
	116			5580	18.90		PASS
	140			5700	18.93		PASS

IEEE 802.11ax_40	38			5190	35.09		PASS
	46			5230	37.16		PASS
	54			5270	36.55		PASS
	62			5310	37.27		PASS
	102			5510	37.70		PASS
	110			5550	37.84		PASS
	134			5670	37.83		PASS
IEEE 802.11ax_80	42			5210	76.16		PASS
	58			5290	75.07		PASS
	106			5530	77.07		PASS
	122			5610	76.13		PASS

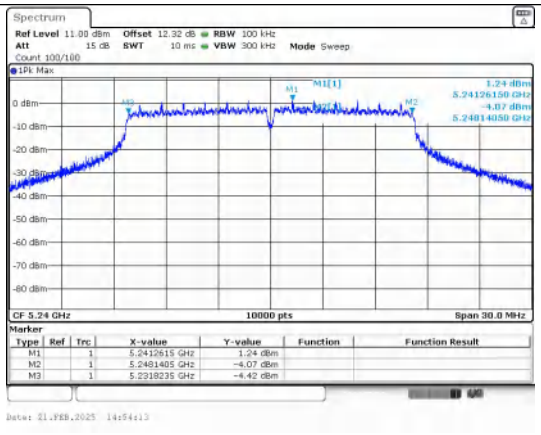
Test Graphs



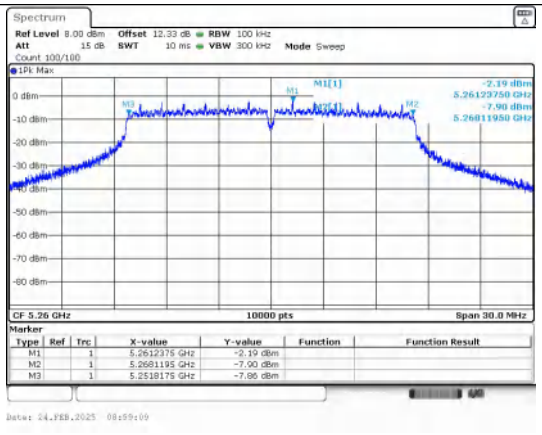
IEEE 802.11a_Channel 36_20MHz_Antenna 0



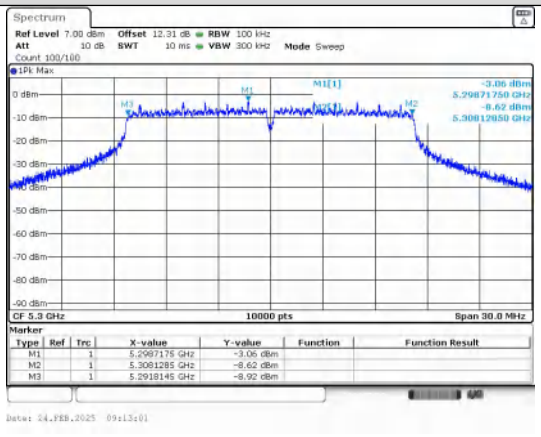
IEEE 802.11a_Channel 40_20MHz_Antenna 0



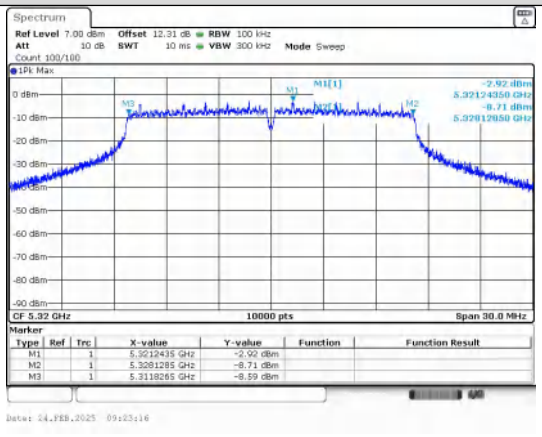
IEEE 802.11a_Channel 48_20MHz_Antenna 0



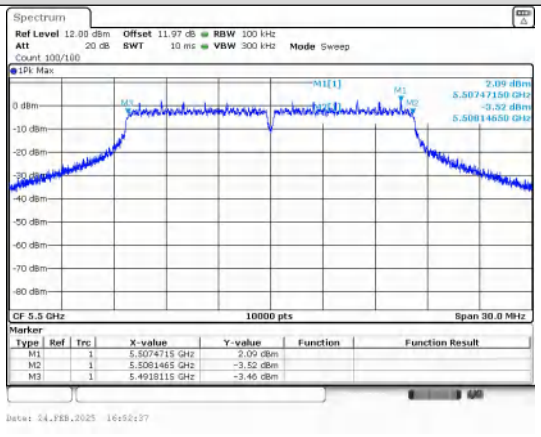
IEEE 802.11a_Channel 52_20MHz_Antenna 0



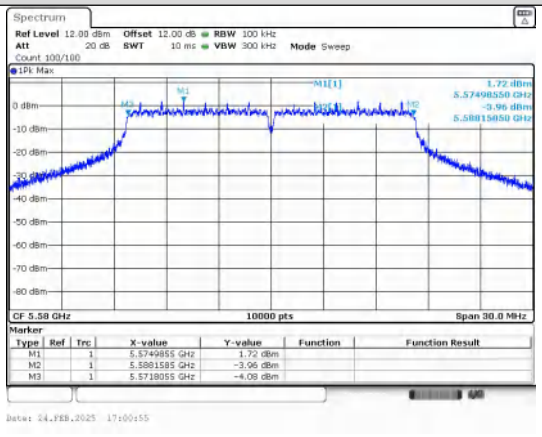
IEEE 802.11a_Channel 60_20MHz_Antenna 0



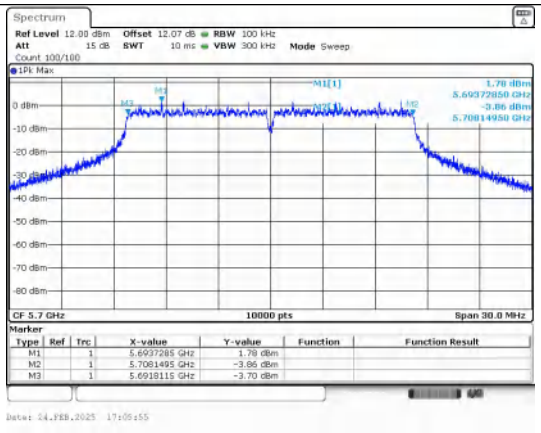
IEEE 802.11a_Channel 64_20MHz_Antenna 0



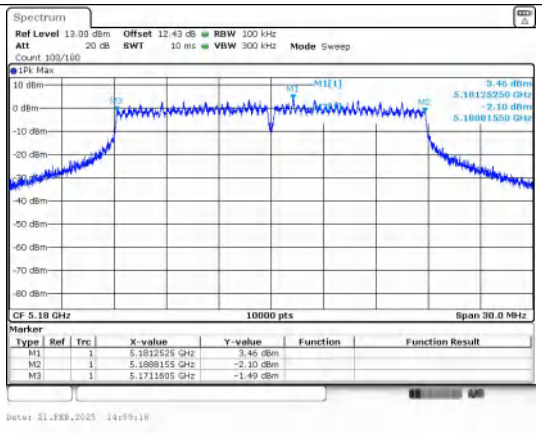
IEEE 802.11a_Channel 100_20MHz_Antenna 0



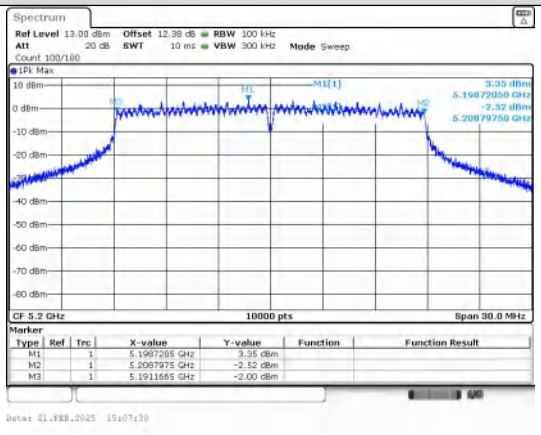
IEEE 802.11a_Channel 116_20MHz_Antenna 0



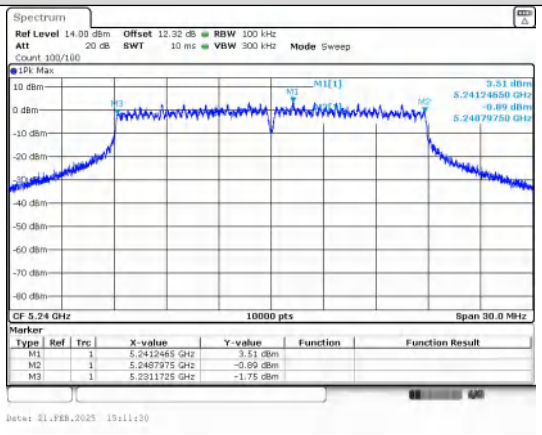
IEEE 802.11a_Channel 140_20MHz_Antenna 0



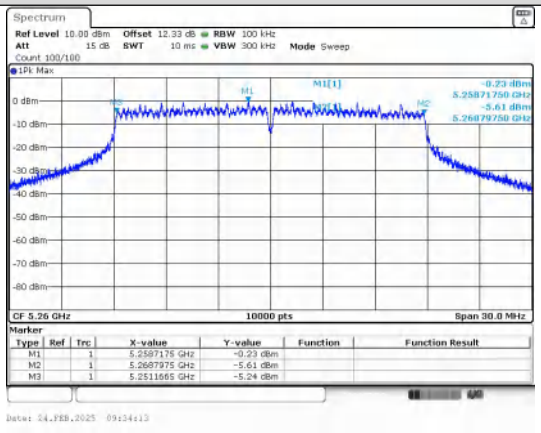
IEEE 802.11n_Channel 36_20MHz_Antenna 0



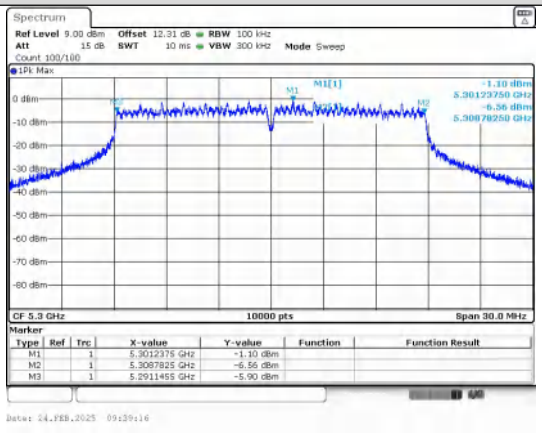
IEEE 802.11n_Channel 40_20MHz_Antenna 0



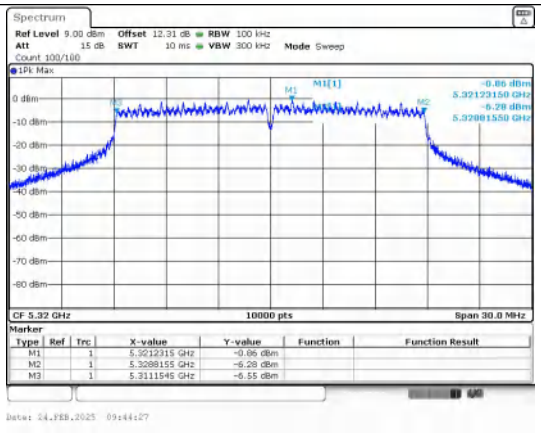
IEEE 802.11n_Channel 48_20MHz_Antenna 0



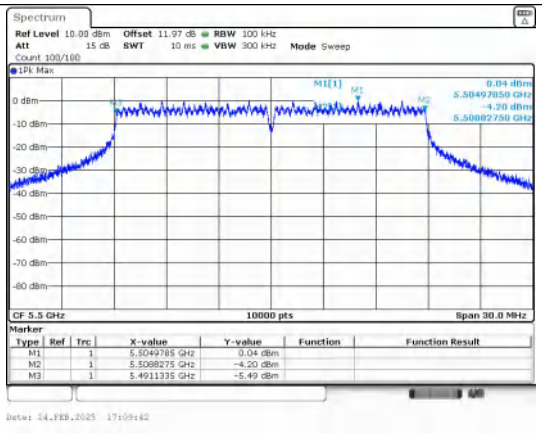
IEEE 802.11n_Channel 52_20MHz_Antenna 0



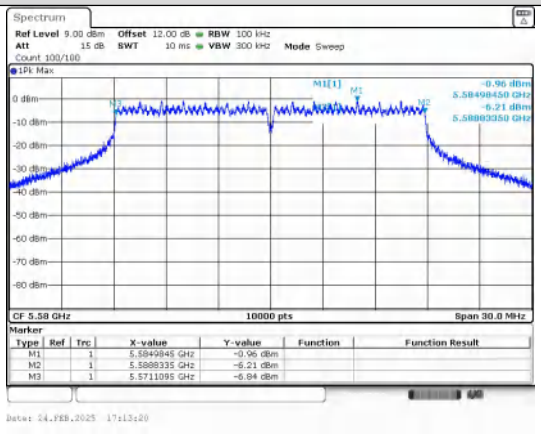
IEEE 802.11n_Channel 60_20MHz_Antenna 0



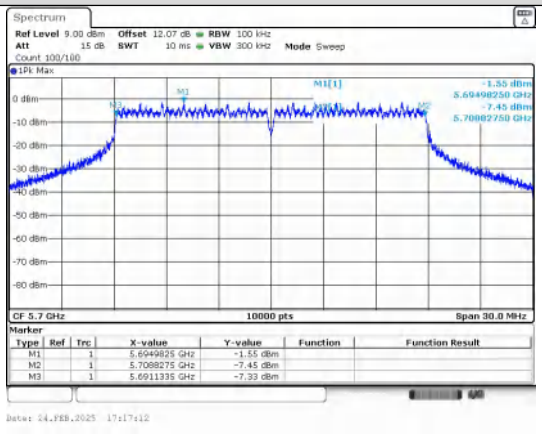
IEEE 802.11n_Channel 64_20MHz_Antenna 0



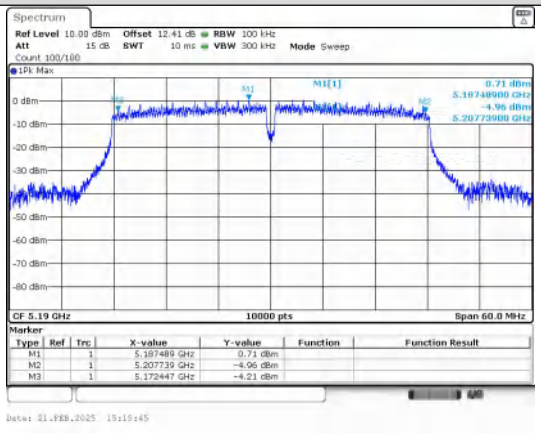
IEEE 802.11n_Channel 100_20MHz_Antenna 0



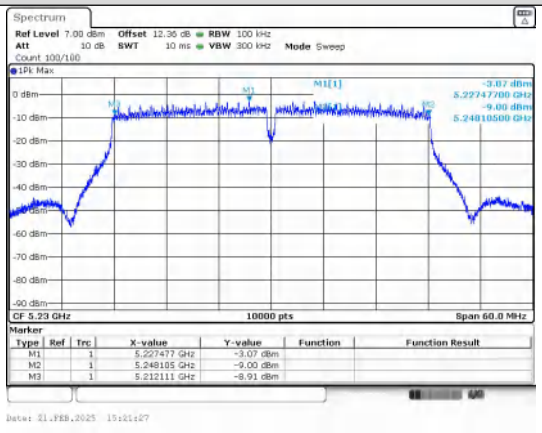
IEEE 802.11n_Channel 116_20MHz_Antenna 0



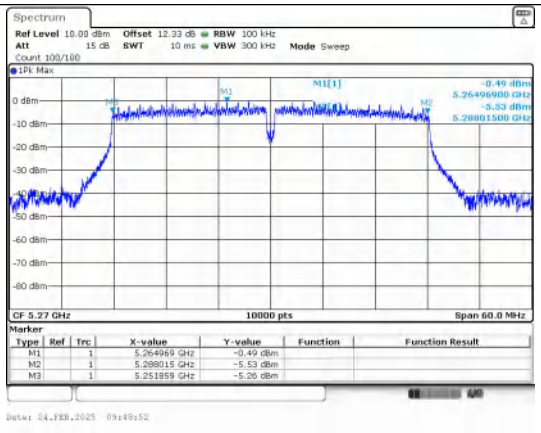
IEEE 802.11n_Channel 140_20MHz_Antenna 0



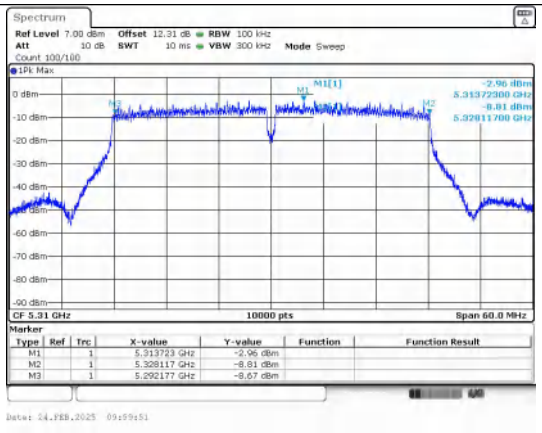
IEEE 802.11n_Channel 38_40MHz_Antenna 0



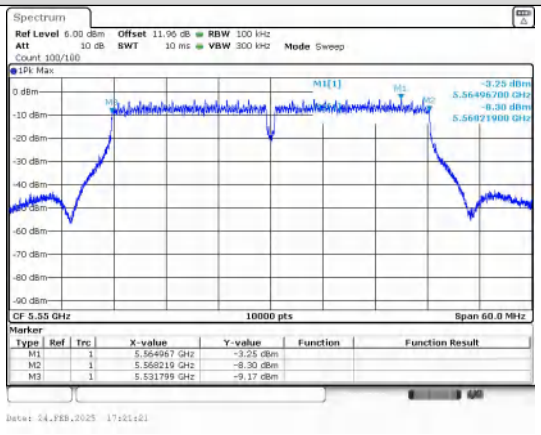
IEEE 802.11n_Channel 46_40MHz_Antenna 0



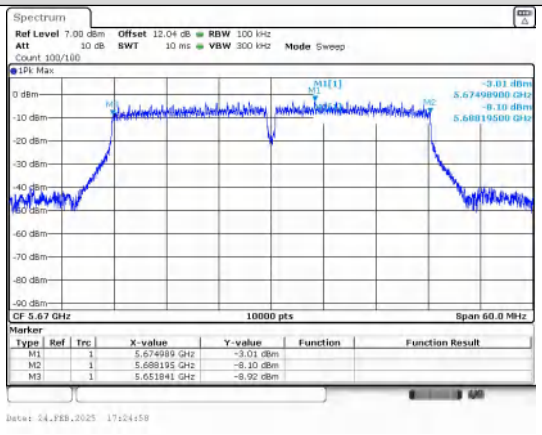
IEEE 802.11n_Channel 54_40MHz_Antenna 0



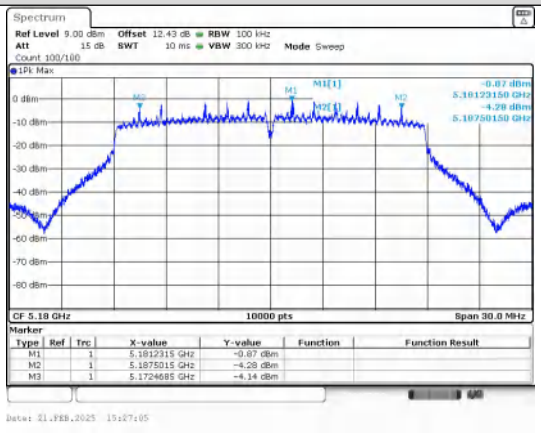
IEEE 802.11n_Channel 62_40MHz_Antenna 0



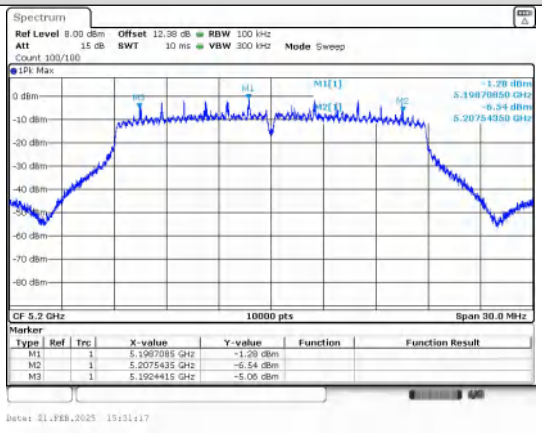
IEEE 802.11n_Channel 110_40MHz_Antenna 0



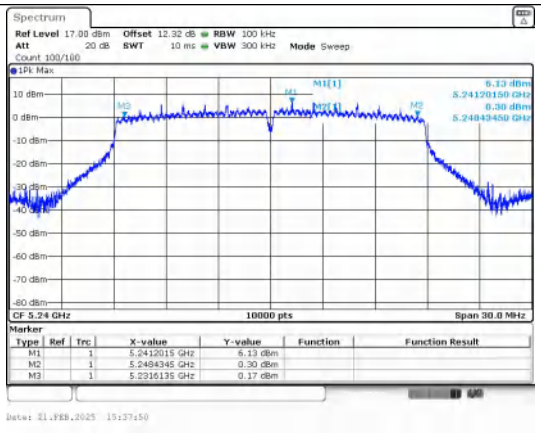
IEEE 802.11n_Channel 134_40MHz_Antenna 0



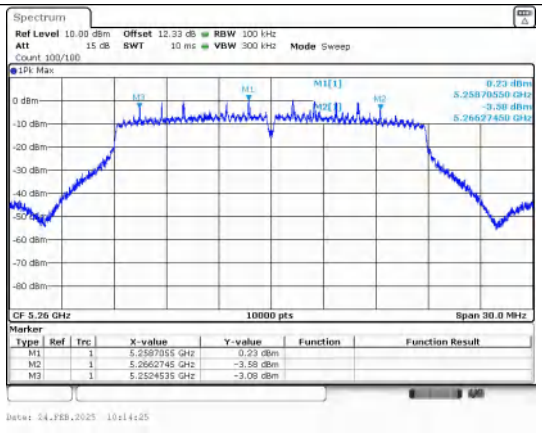
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



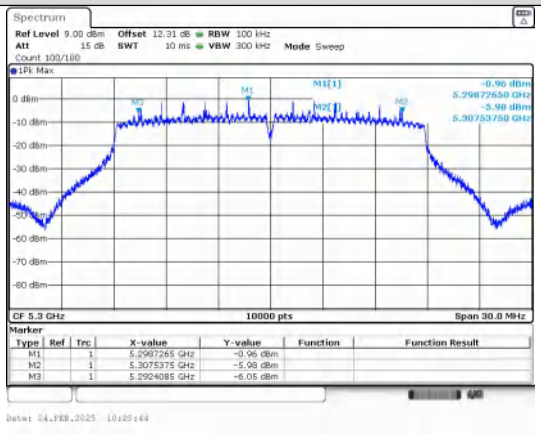
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



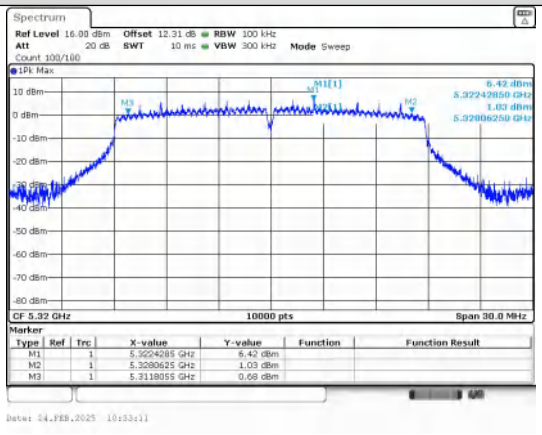
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



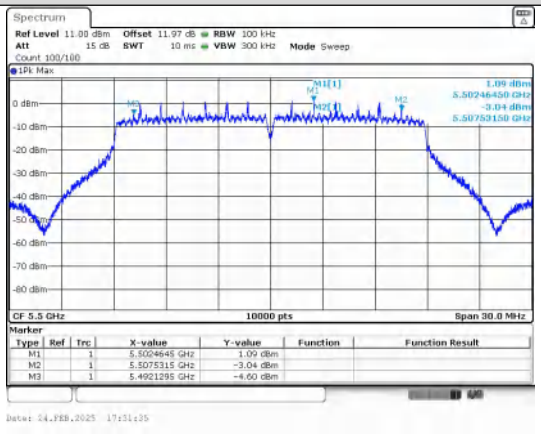
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



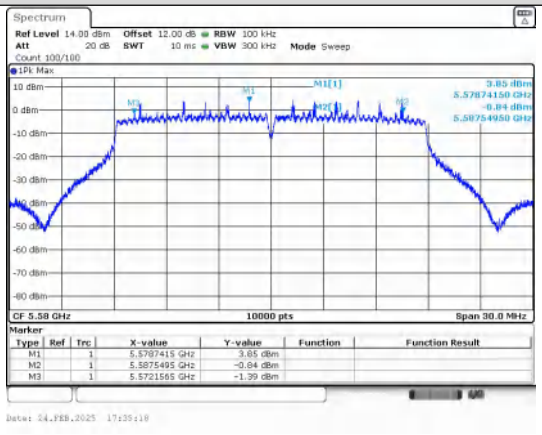
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



IEEE 802.11ac_Channel 64_20MHz_Antenna 0



IEEE 802.11ac_Channel 100_20MHz_Antenna 0



IEEE 802.11ac_Channel 116_20MHz_Antenna 0