Appendix E

Report No.:	CISRR24070402605
FCC ID:	2BHK3-MRX1
Product Name:	MR Headset
Model No.:	MRX1
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

Frequency Stability

Measured all conditions and recorded worst case.

IEEE 802.11a Mode/5250MHz~5350MHz/ 5260 MHz

Enviroment Temperature(Dregree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Value(ppm)	State
20	HV	5260.0	5260.009046	-1.720	PASS
20	LV	5260.0	5260.005186	-0.986	PASS
50	NV	5260.0	5260.010631	-2.021	PASS
40	NV	5260.0	5260.003972	-0.755	PASS
30	NV	5260.0	5260.000473	-0.090	PASS
20	NV	5260.0	5260.007865	-1.495	PASS
10	NV	5260.0	5260.011878	-2.258	PASS
0	NV	5260.0	5260.013385	-2.545	PASS
-10	NV	5260.0	5260.004168	-0.792	PASS
-20	NV	5260.0	5260.014104	-2.681	PASS
-30	NV	5260.0	5260.005780	-1.099	PASS

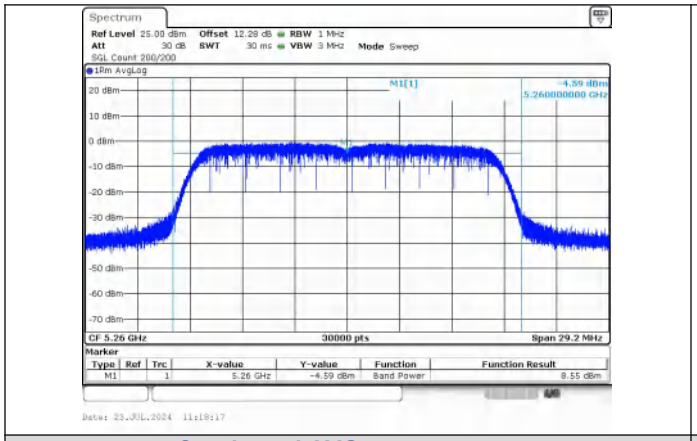
IEEE 802.11a Mode/5250MHz~5350MHz/ 5320 MHz

Enviroment Temperature(Dregree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Value(ppm)	State
20	HV	5320.0	5320.004358	-0.819	PASS
20	LV	5320.0	5320.011092	-2.085	PASS
50	NV	5320.0	5320.007779	-1.462	PASS
40	NV	5320.0	5320.003473	-0.653	PASS
30	NV	5320.0	5320.004476	-0.841	PASS
20	NV	5320.0	5320.012871	-2.419	PASS
10	NV	5320.0	5320.011708	-2.201	PASS
0	NV	5320.0	5320.008664	-1.629	PASS
-10	NV	5320.0	5320.001974	-0.371	PASS
-20	NV	5320.0	5320.003290	-0.618	PASS
-30	NV	5320.0	5320.005990	-1.126	PASS

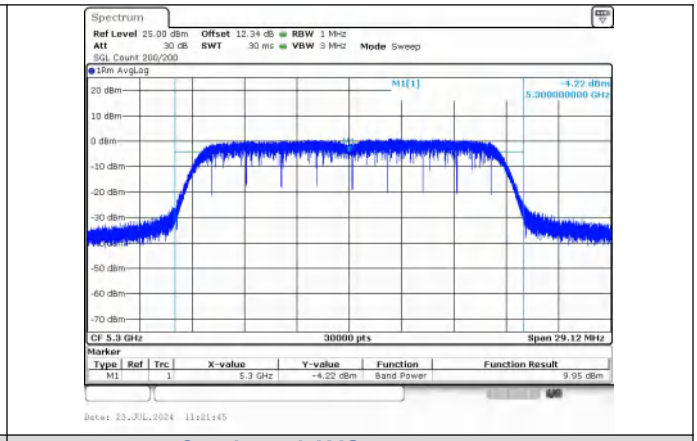
Conducted AVG Output Power

Conducted output power

Mode	Channel	RU & Index	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	52	N/A	8.55	≤24	PASS
	60		9.95	≤24	PASS
	64		12.17	≤24	PASS
IEEE 802.11n_20	52		8.64	≤24	PASS
	60		14.90	≤24	PASS
	64		11.86	≤24	PASS
IEEE 802.11n_40	54		8.98	≤24	PASS
	62		11.41	≤24	PASS
IEEE 802.11ac_20	52		13.23	≤24	PASS
	60		9.54	≤24	PASS
	64		11.65	≤24	PASS
IEEE 802.11ac_40	54		8.56	≤24	PASS
	62		16.51	≤24	PASS
IEEE 802.11ac_80	58		14.96	≤24	PASS
IEEE 802.11ac_160	50		8.08	≤24	PASS
IEEE 802.11ax_20	52	SU	8.57	≤24	PASS
	60		9.96	≤24	PASS
	64		16.48	≤24	PASS
IEEE 802.11ax_40	54		8.94	≤24	PASS
	62		11.01	≤24	PASS
IEEE 802.11ax_80	58		17.87	≤24	PASS
IEEE 802.11ax_160	50		14.84	≤24	PASS



Conducted AVG output power
IEEE 802.11a_Channel 52_Antenna 0



Conducted AVG output power
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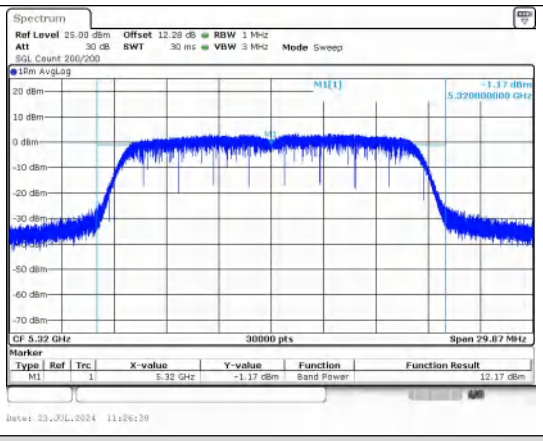

Conducted AVG output power
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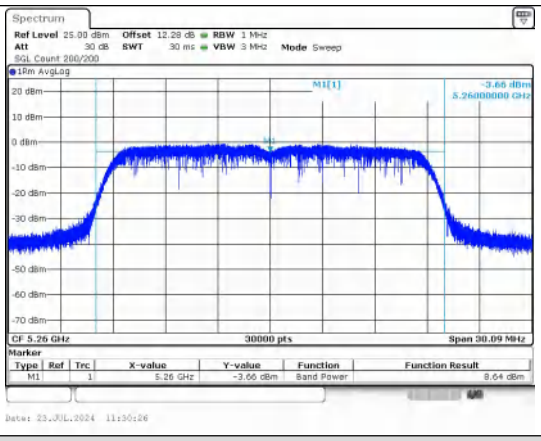

Conducted AVG output power
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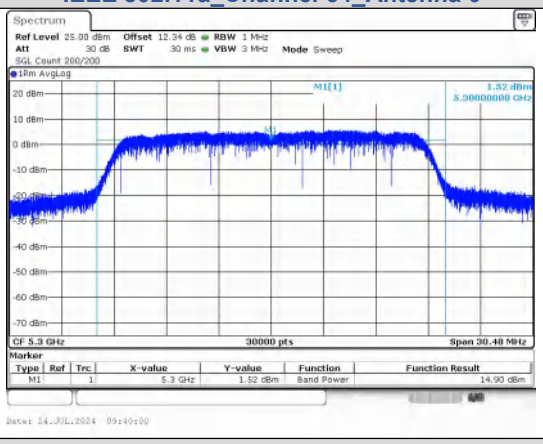

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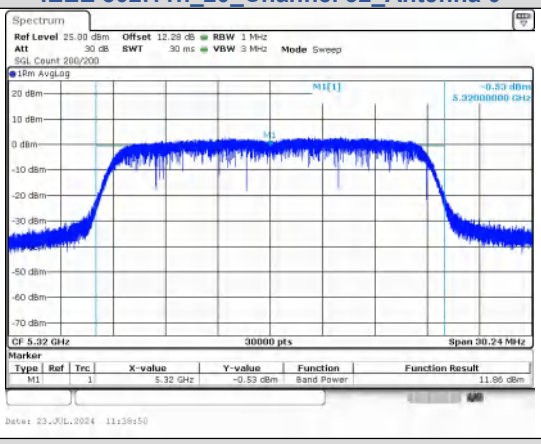

Conducted AVG output power
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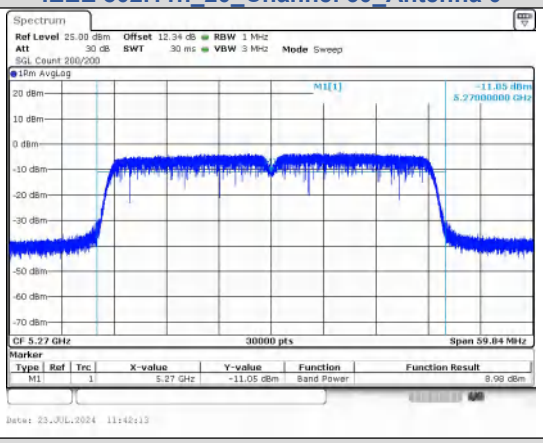

Conducted AVG output power
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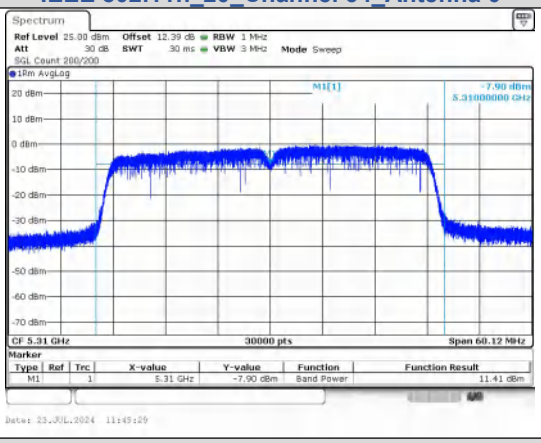

Conducted AVG output power
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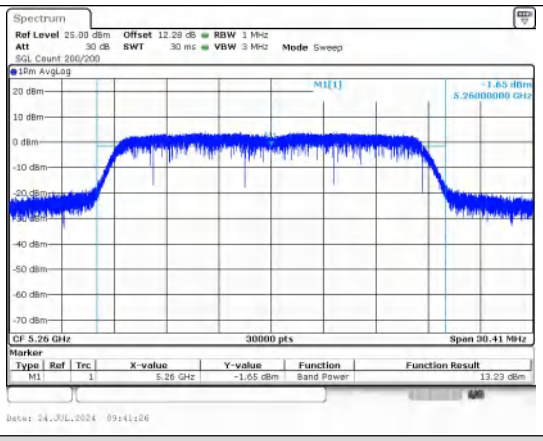

Conducted AVG output power
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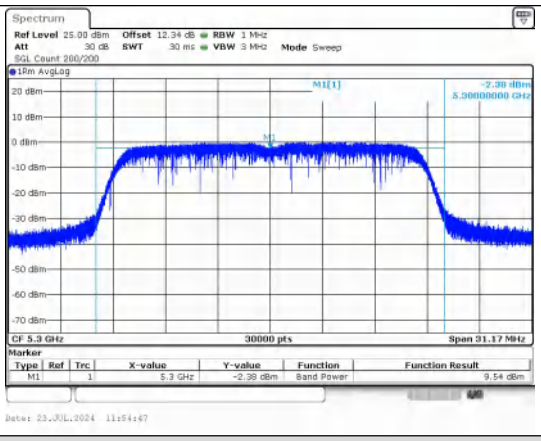
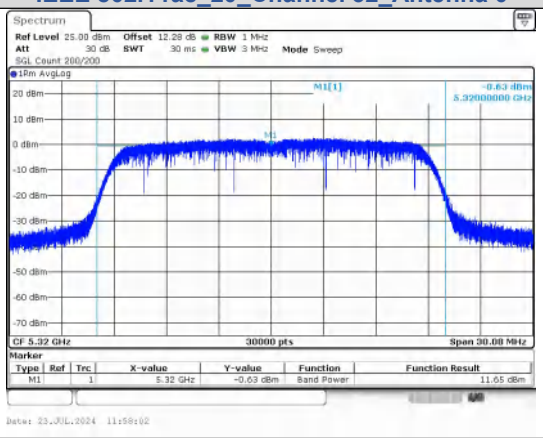


Conducted AVG output power
IEEE 802.11ac_20_Channel 60_Antenna 0



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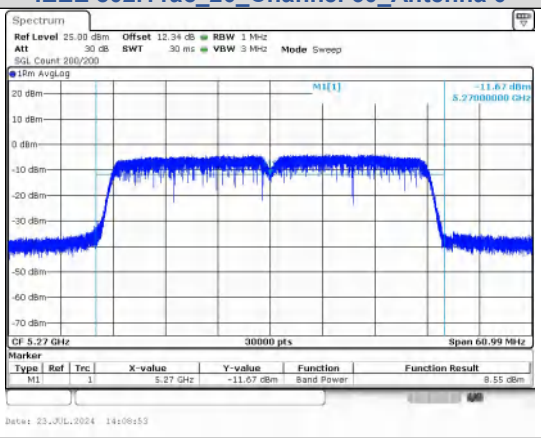
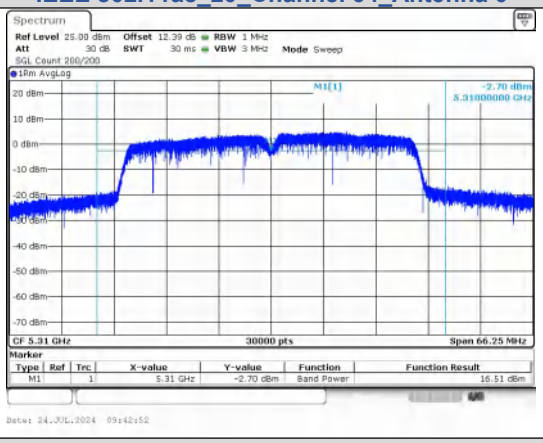
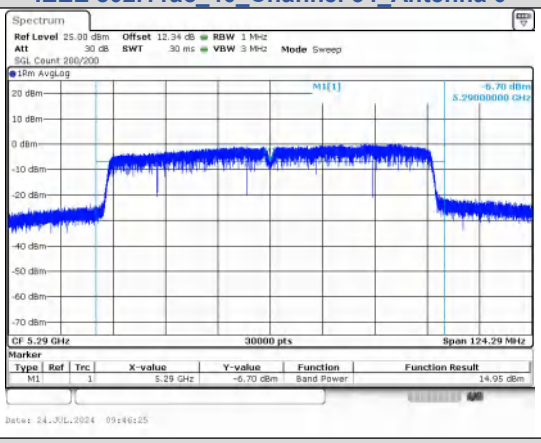
IEEE 802.11ac_20_Channel 64_Antenna 0



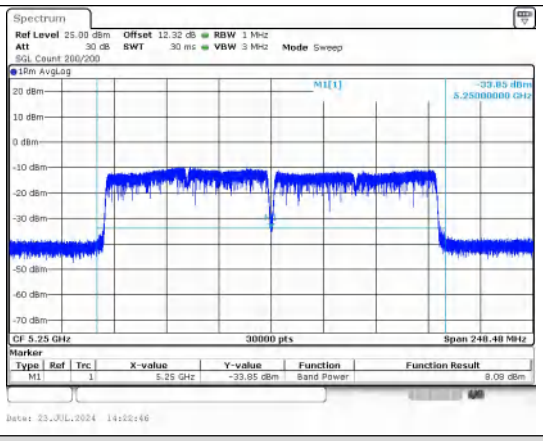
Conducted AVG output power
IEEE 802.11ac_40_Channel 54_Antenna 0



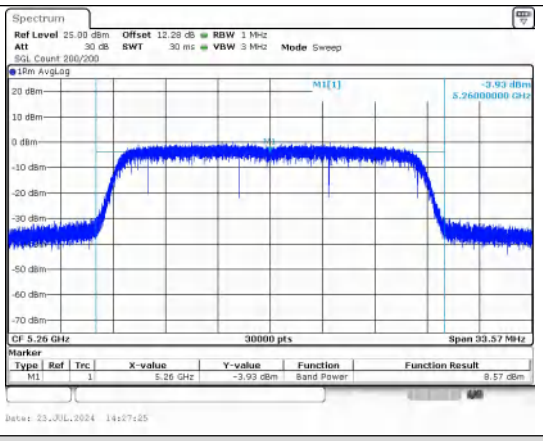
Conducted AVG output power
IEEE 802.11ac_40_Channel 62_Antenna 0



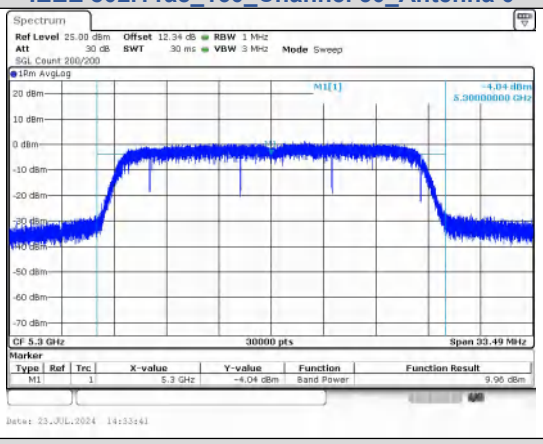
Conducted AVG output power
IEEE 802.11ac_80_Channel 58_Antenna 0



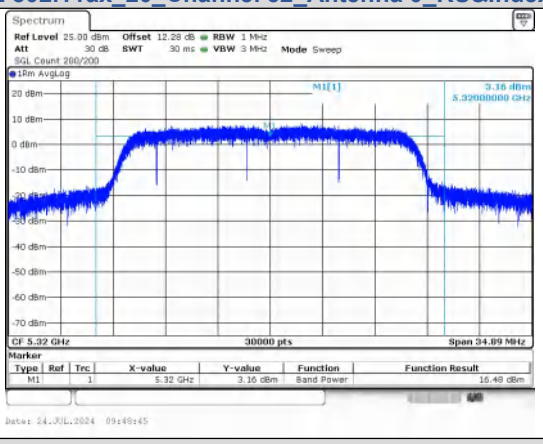
Conducted AVG output power
IEEE 802.11ac_160_Channel 50_Antenna 0



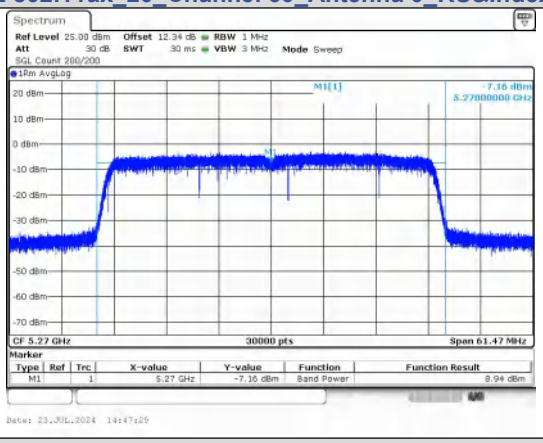
Conducted AVG output power
IEEE 802.11ax_20_Channel 52_Antenna 0_RU&Index SU



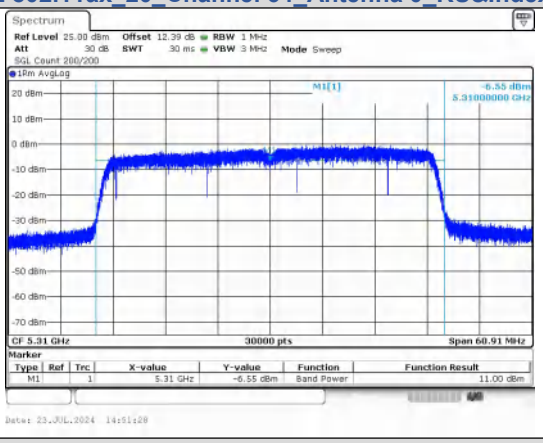
Conducted AVG output power
IEEE 802.11ax_20_Channel 60_Antenna 0_RU&Index SU



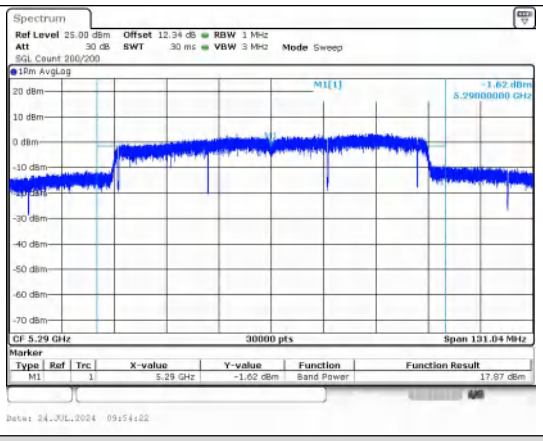
Conducted AVG output power
IEEE 802.11ax_20_Channel 64_Antenna 0_RU&Index SU



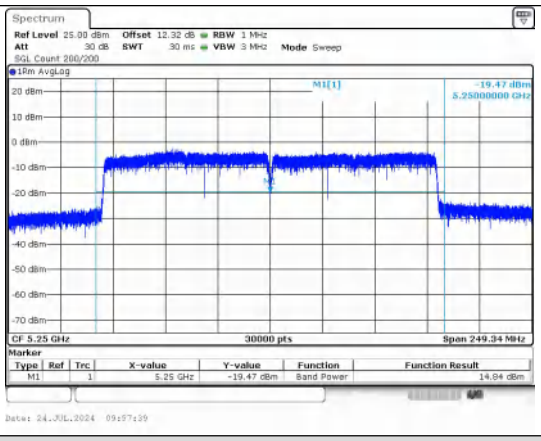
Conducted AVG output power
IEEE 802.11ax_40_Channel 54_Antenna 0_RU&Index SU



Conducted AVG output power
IEEE 802.11ax_40_Channel 62_Antenna 0_RU&Index SU



Conducted AVG output power
IEEE 802.11ax_80_Channel 58_Antenna 0_RU&Index SU



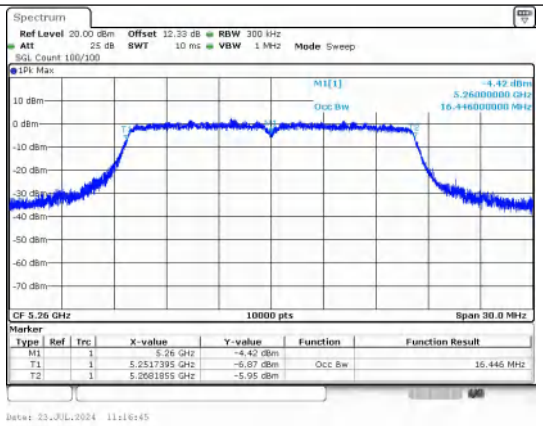
Conducted AVG output power
IEEE 802.11ax_160_Channel 50_Antenna 0_RU&Index SU

99% Bandwidth

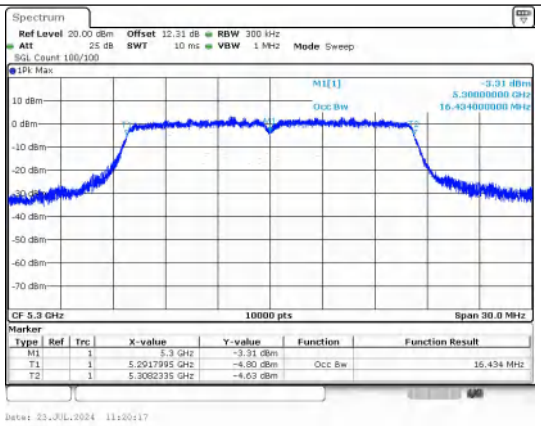
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	52	N/A	0	5260	16.450
	60			5300	16.430
	64			5320	16.380
IEEE 802.11n_20	52			5260	17.620
	60			5300	17.620
	64			5320	17.560
IEEE 802.11n_40	54			5270	36.100
	62			5310	36.020
IEEE 802.11ac_20	52			5260	17.610
	60			5300	17.620
	64			5320	17.560
IEEE 802.11ac_40	54			5270	36.160
	62			5310	36.050
IEEE 802.11ac_80	58			5290	75.620
IEEE 802.11ac_160	50			5250	155.110
IEEE 802.11ax_20	52	SU		5260	18.970
	60			5300	18.990
	64			5320	18.900
IEEE 802.11ax_40	54			5270	37.760
	62			5310	37.700
IEEE 802.11ax_80	58			5290	77.360
IEEE 802.11ax_160	50			5250	156.670

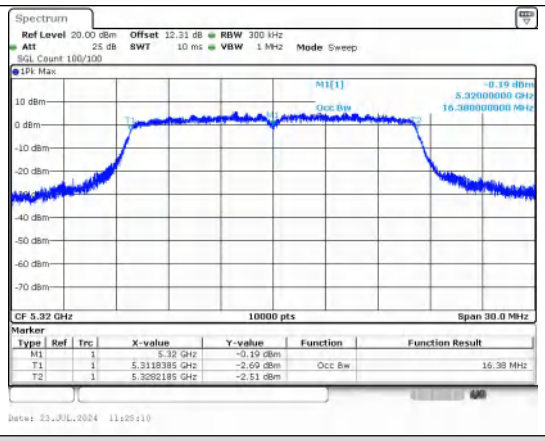
Test Graphs



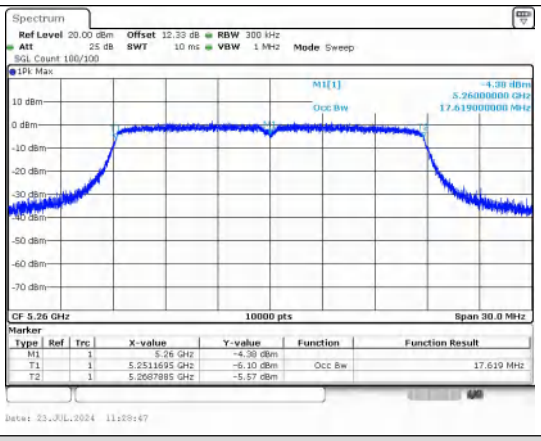
IEEE 802.11a_Channel 52_20MHz_Antenna 0



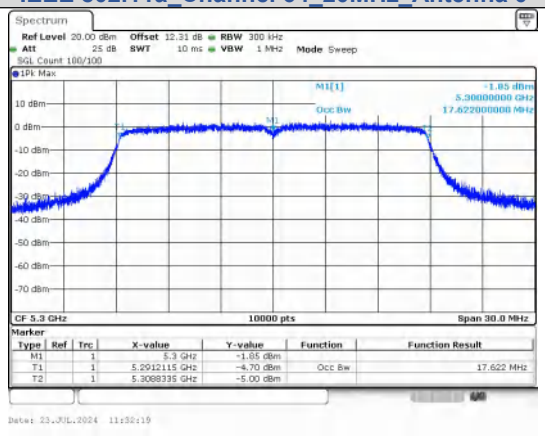
IEEE 802.11a_Channel 60_20MHz_Antenna 0



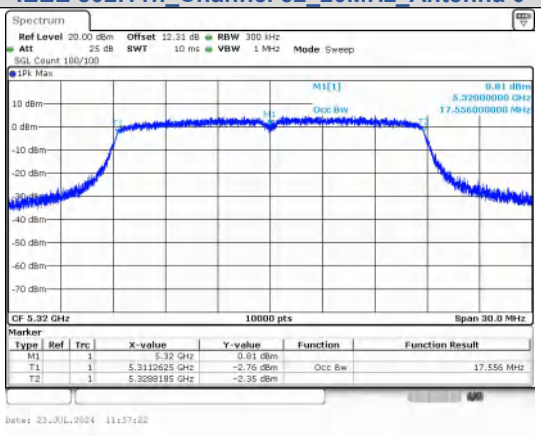
IEEE 802.11a_Channel 64_20MHz_Antenna 0



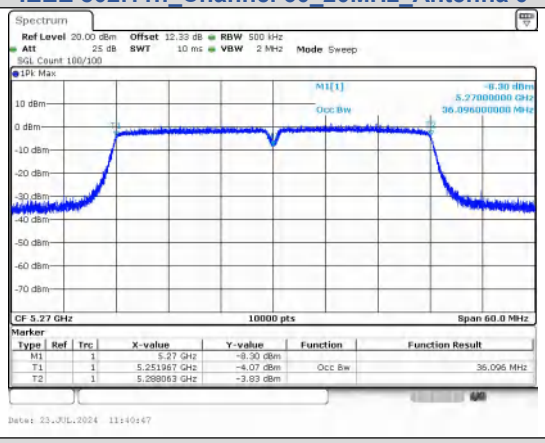
IEEE 802.11n_Channel 52_20MHz_Antenna 0



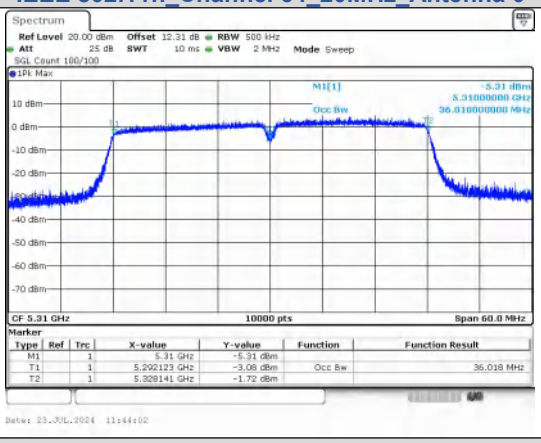
IEEE 802.11n_Channel 60_20MHz_Antenna 0



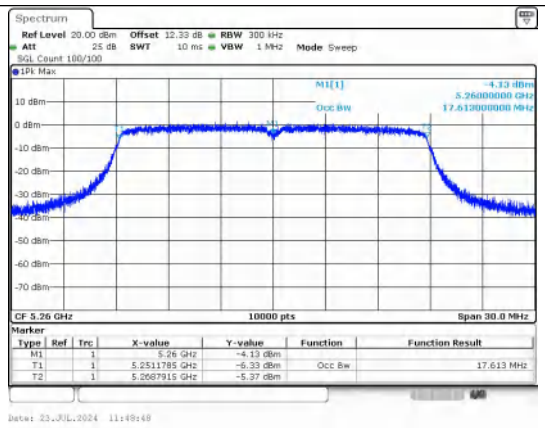
IEEE 802.11n_Channel 64_20MHz_Antenna 0



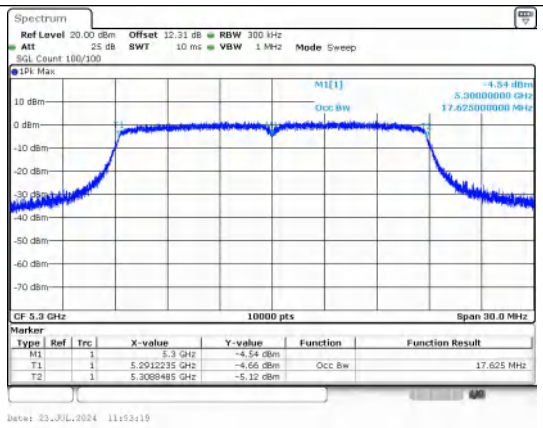
IEEE 802.11n_Channel 54_40MHz_Antenna 0



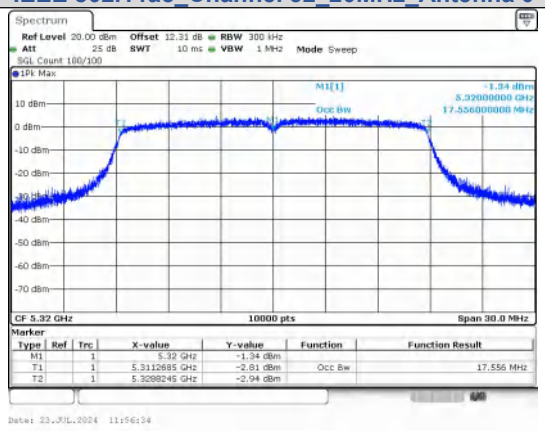
IEEE 802.11n_Channel 62_40MHz_Antenna 0



IEEE 802.11ac_Channel 52_20MHz_Antenna 0



IEEE 802.11ac_Channel 60_20MHz_Antenna 0



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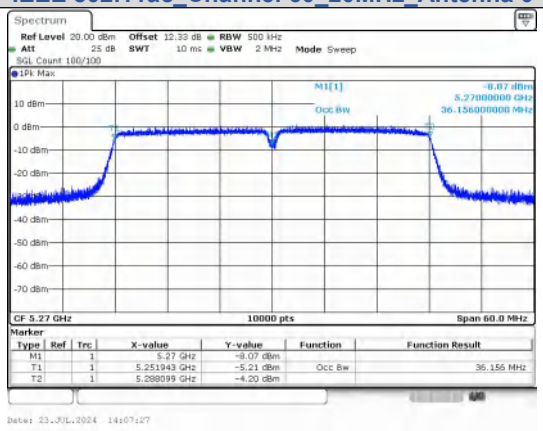
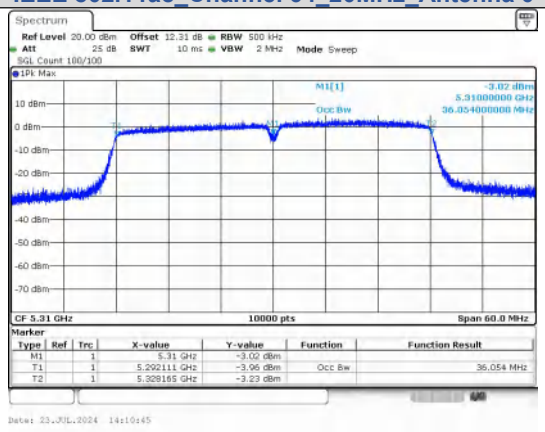
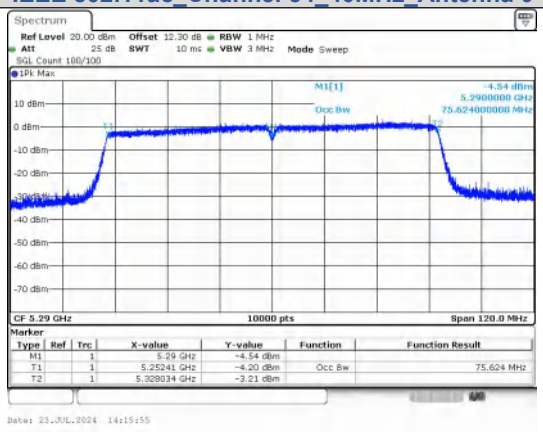


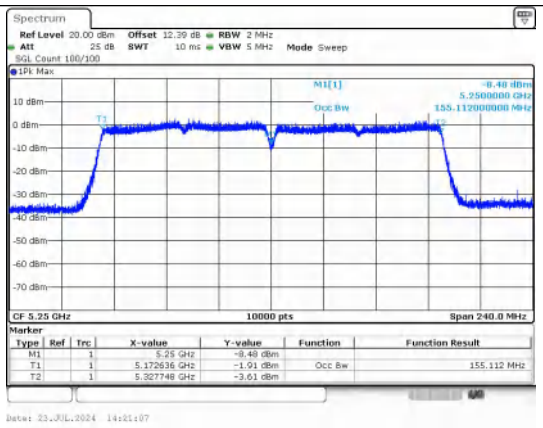
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



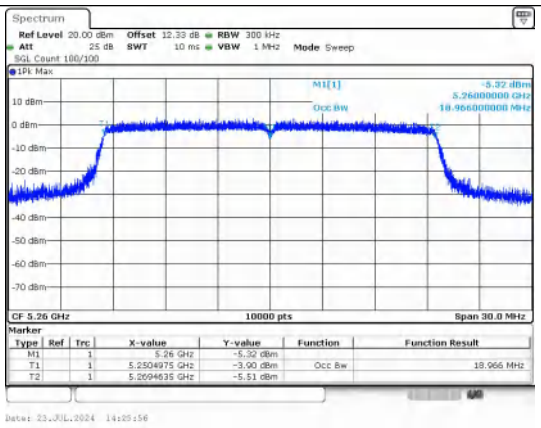
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



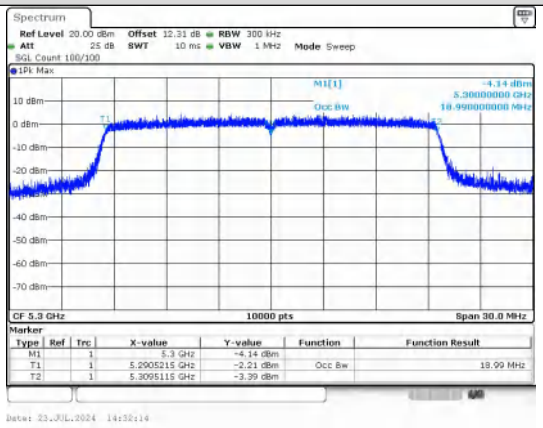
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



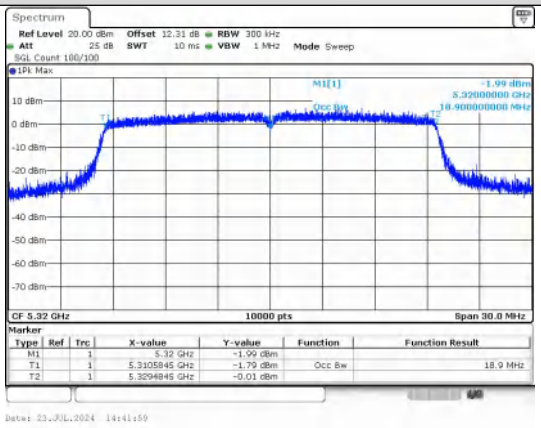
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



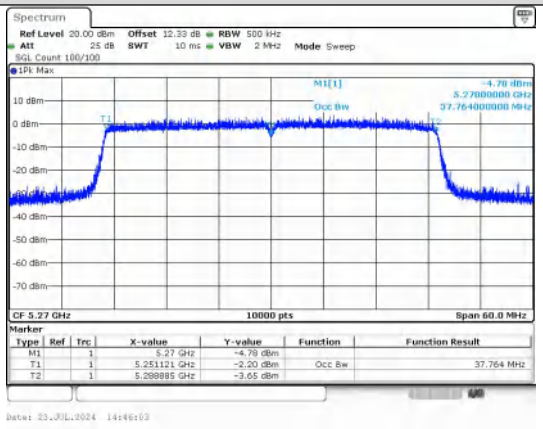
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



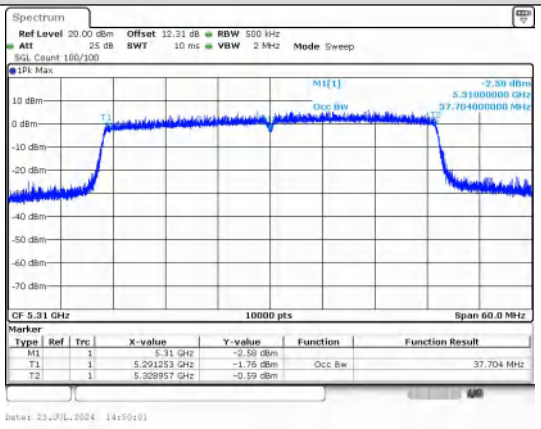
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



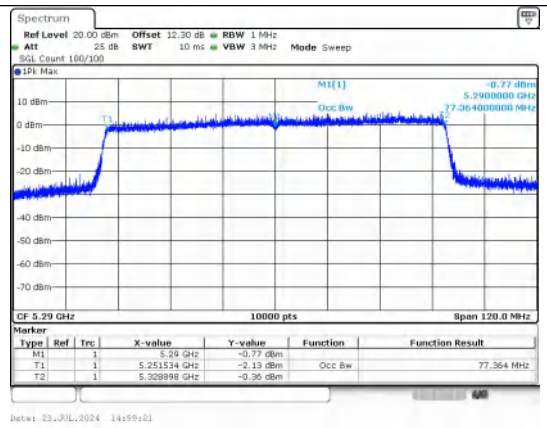
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



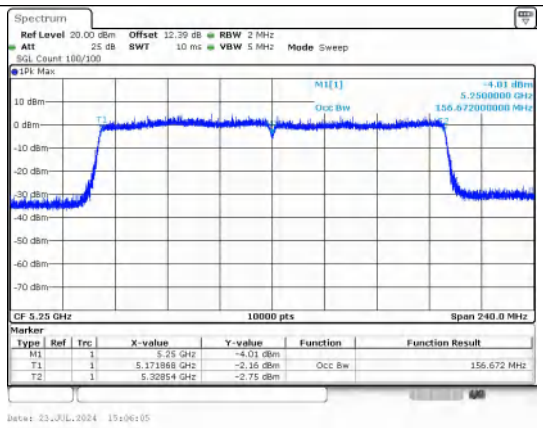
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



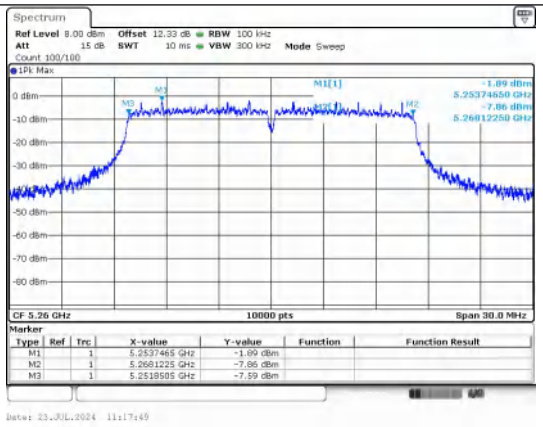
IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU

6dB Bandwidth

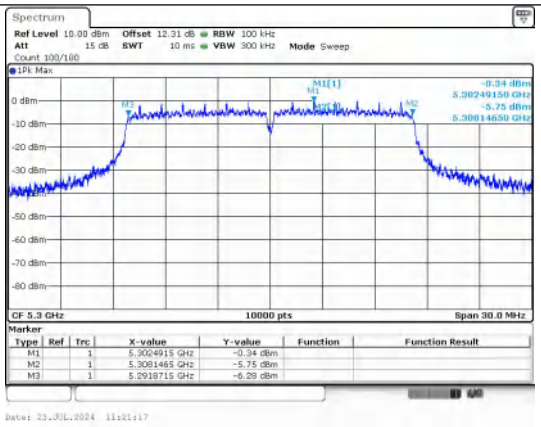
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	52	N/A	0	5260	16.27	≥0.5	PASS
	60			5300	16.28		PASS
	64			5320	15.92		PASS
IEEE 802.11n_20	52			5260	17.54		PASS
	60			5300	17.27		PASS
	64			5320	16.88		PASS
IEEE 802.11n_40	54			5270	35.50		PASS
	62			5310	35.64		PASS
IEEE 802.11ac_20	52			5260	17.15		PASS
	60			5300	17.28		PASS
	64			5320	16.64		PASS
IEEE 802.11ac_40	54			5270	35.88		PASS
	62			5310	35.60		PASS
IEEE 802.11ac_80	58			5290	75.65		PASS
IEEE 802.11ac_160	50			5250	155.64		PASS
IEEE 802.11ax_20	52	SU		5260	18.85		PASS
	60			5300	18.71		PASS
	64			5320	17.71		PASS
IEEE 802.11ax_40	54			5270	37.72		PASS
	62			5310	33.97		PASS
IEEE 802.11ax_80	58			5290	76.61		PASS
IEEE 802.11ax_160	50			5250	157.42		PASS

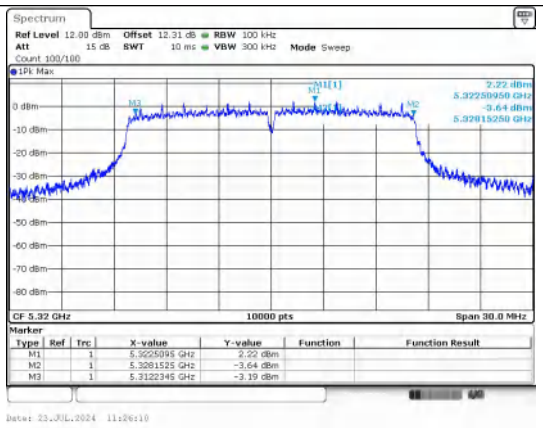
Test Graphs



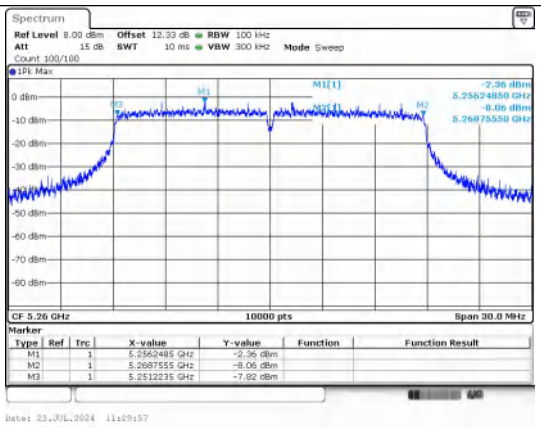
IEEE 802.11a_Channel 52_20MHz_Antenna 0



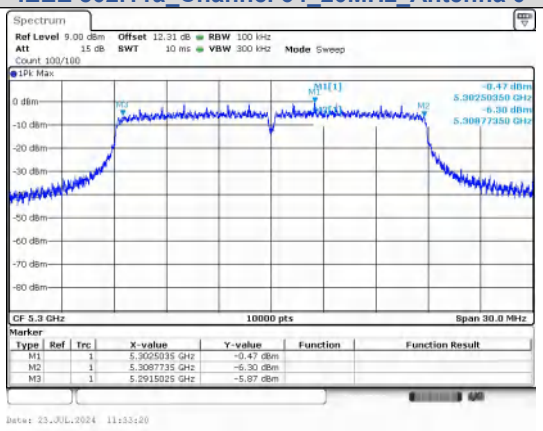
IEEE 802.11a_Channel 60_20MHz_Antenna 0



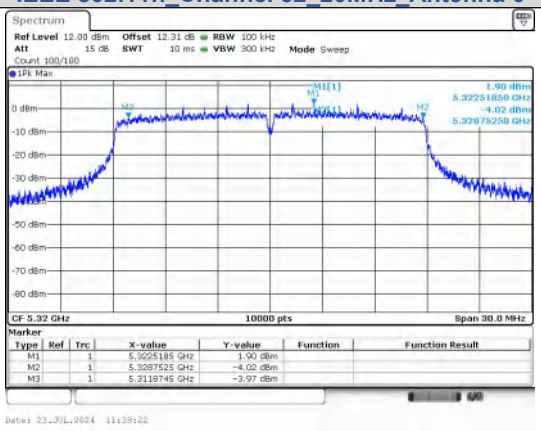
IEEE 802.11a_Channel 64_20MHz_Antenna 0



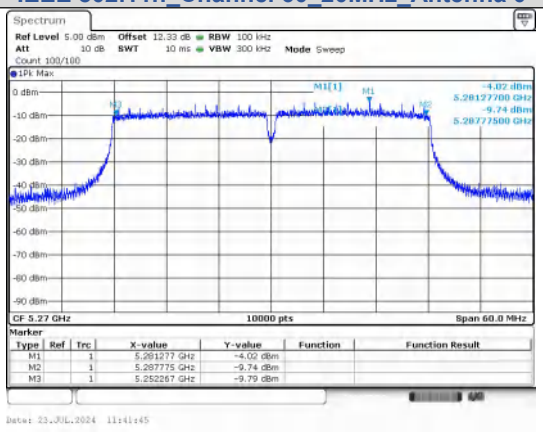
IEEE 802.11n_Channel 52_20MHz_Antenna 0



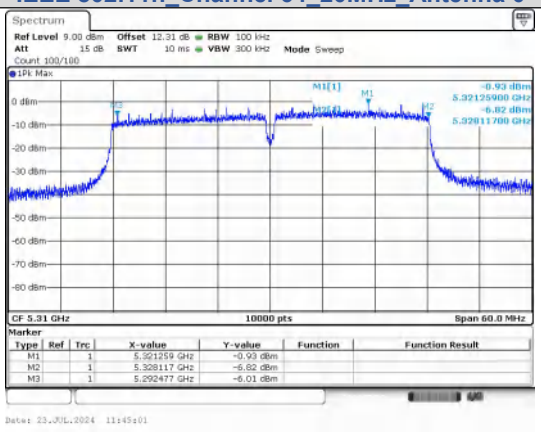
IEEE 802.11n_Channel 60_20MHz_Antenna 0



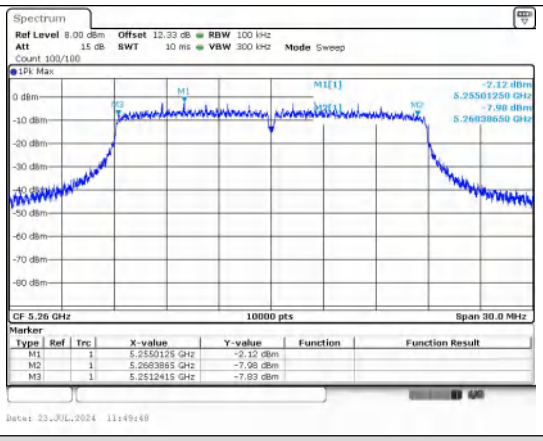
IEEE 802.11n_Channel 64_20MHz_Antenna 0



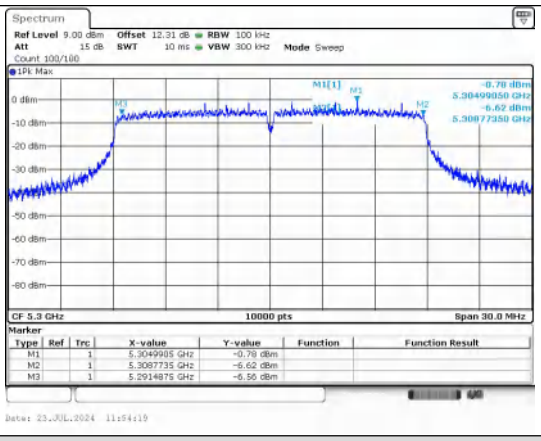
IEEE 802.11n_Channel 54_40MHz_Antenna 0



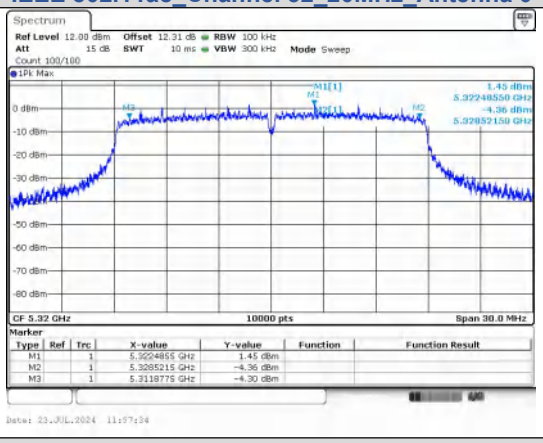
IEEE 802.11n_Channel 62_40MHz_Antenna 0



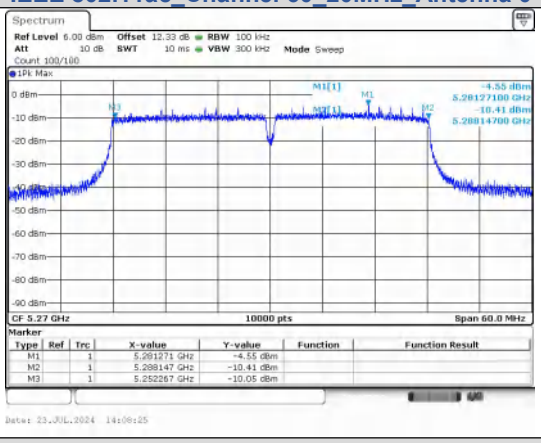
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



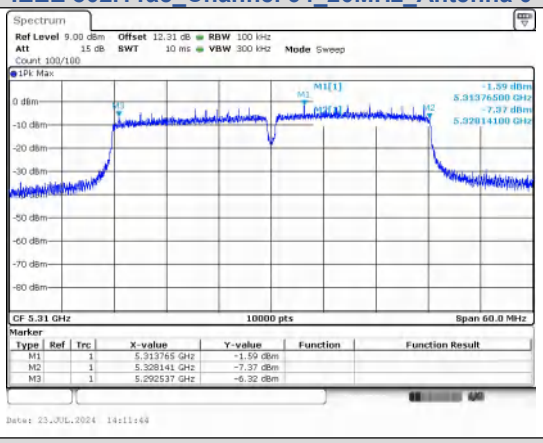
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



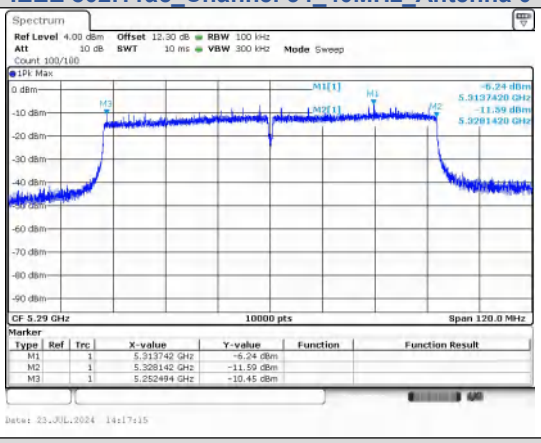
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



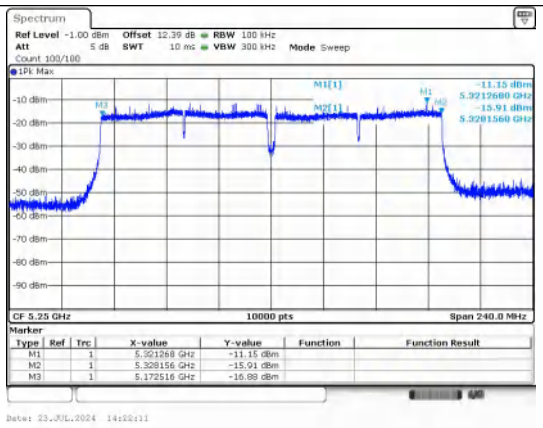
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



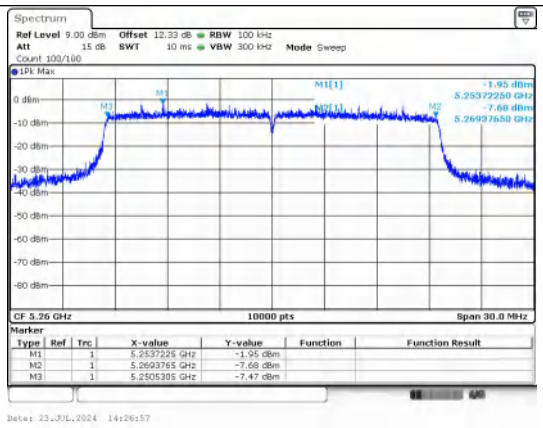
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



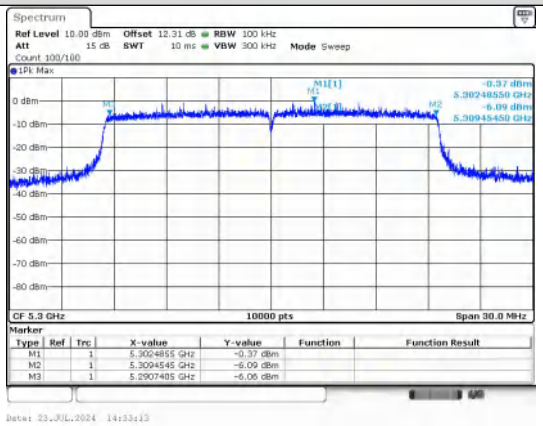
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



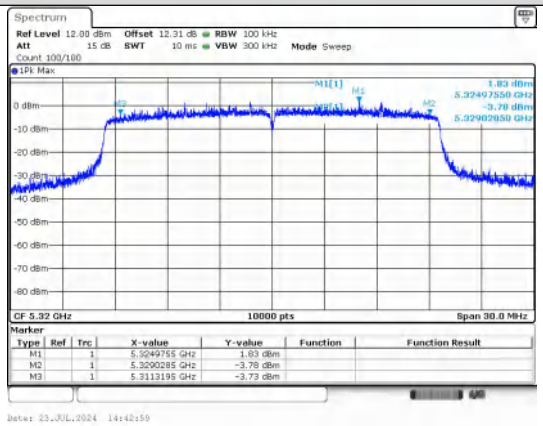
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



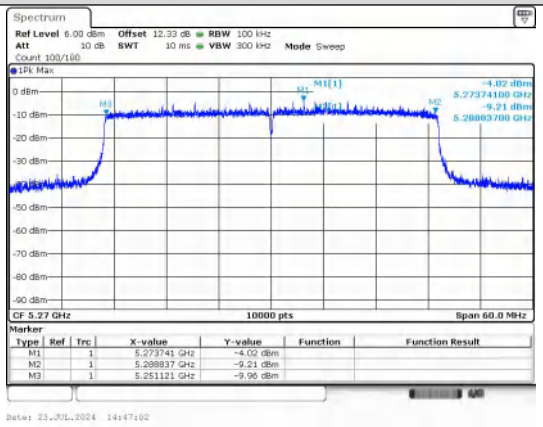
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



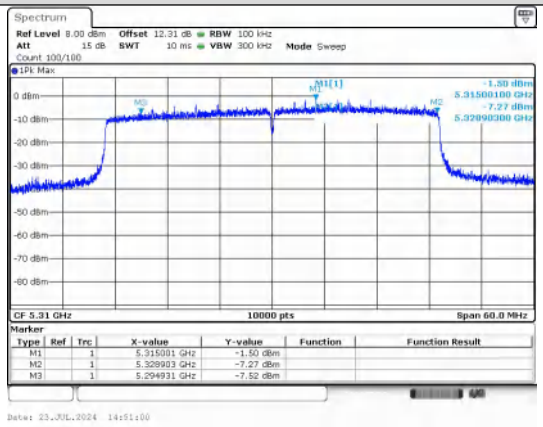
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



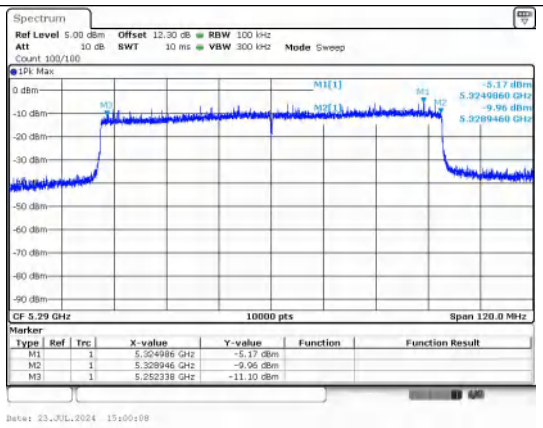
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



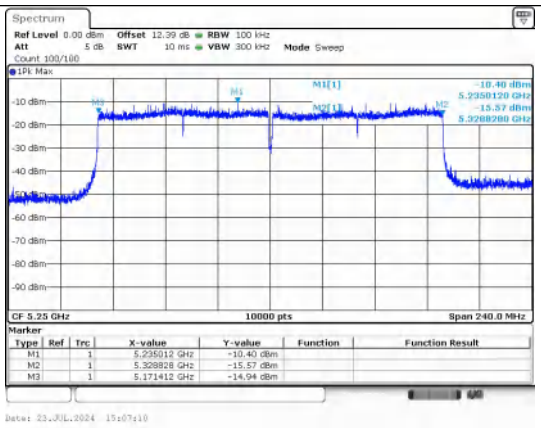
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



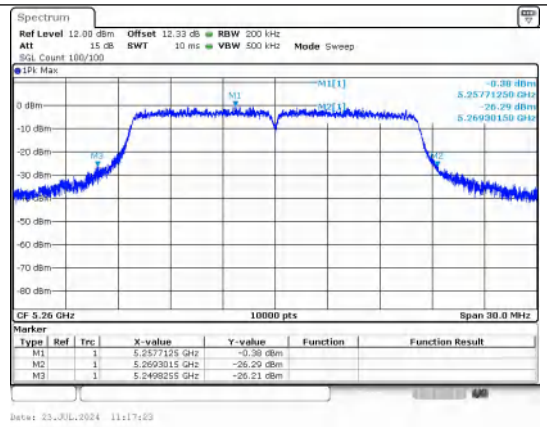
IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU

26dB Bandwidth

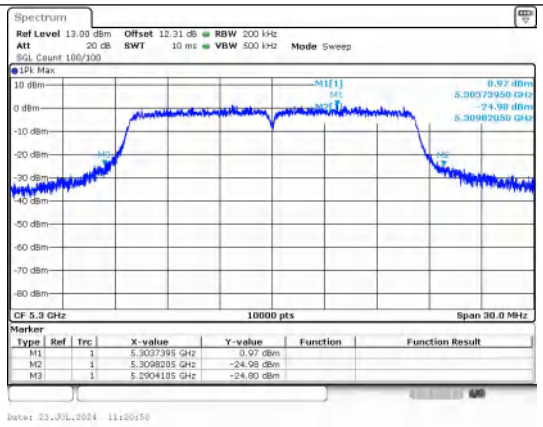
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	52	N/A	0	5260	19.47	1.12
	60			5300	19.41	1.15
	64			5320	19.91	1.07
IEEE 802.11n_20	52			5260	20.06	1.13
	60			5300	20.32	1.13
	64			5320	20.16	1.12
IEEE 802.11n_40	54			5270	39.89	1.05
	62			5310	40.08	1.05
IEEE 802.11ac_20	52			5260	20.27	1.12
	60			5300	20.78	1.1
	64			5320	20.05	1.12
IEEE 802.11ac_40	54			5270	40.66	1.05
	62			5310	44.17	1.0
IEEE 802.11ac_80	58			5290	82.86	1.07
IEEE 802.11ac_160	50			5250	165.65	1.01
IEEE 802.11ax_20	52	SU		5260	22.38	1.08
	60			5300	22.33	1.17
	64			5320	23.26	1.0
IEEE 802.11ax_40	54			5270	40.98	1.04
	62			5310	40.61	1.05
IEEE 802.11ax_80	58			5290	87.36	1.14
IEEE 802.11ax_160	50			5250	166.23	1.01

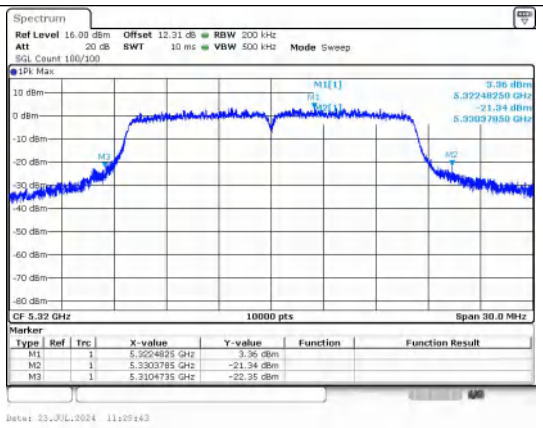
Test Graphs



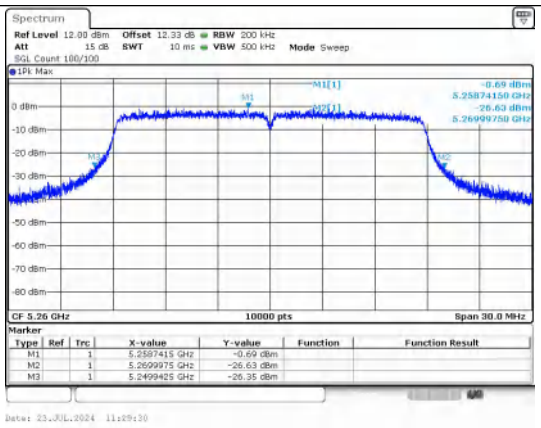
IEEE 802.11a_Channel 52_20MHz_Antenna 0



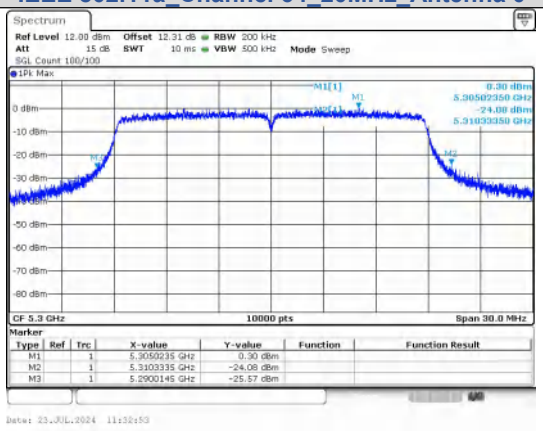
IEEE 802.11a_Channel 60_20MHz_Antenna 0



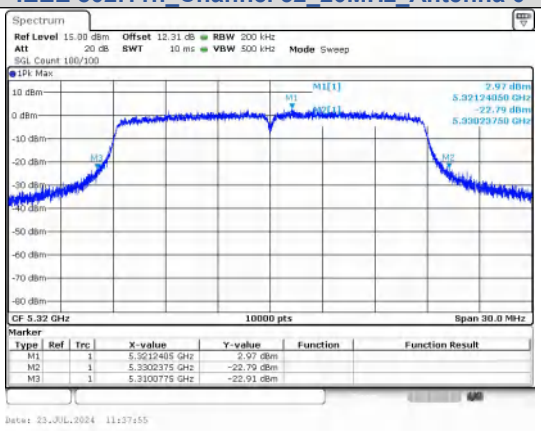
IEEE 802.11a_Channel 64_20MHz_Antenna 0



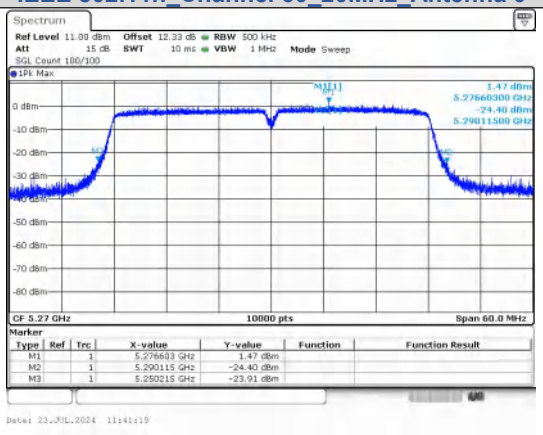
IEEE 802.11n_Channel 52_20MHz_Antenna 0



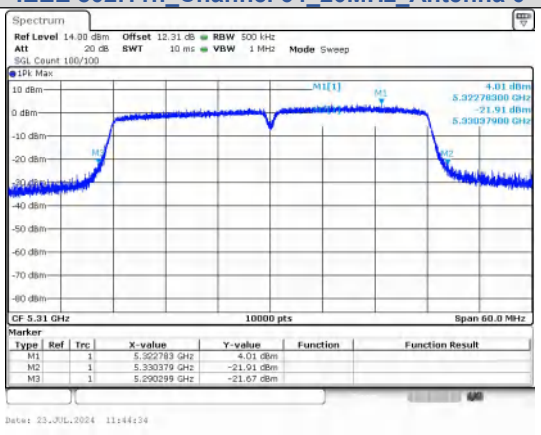
IEEE 802.11n_Channel 60_20MHz_Antenna 0



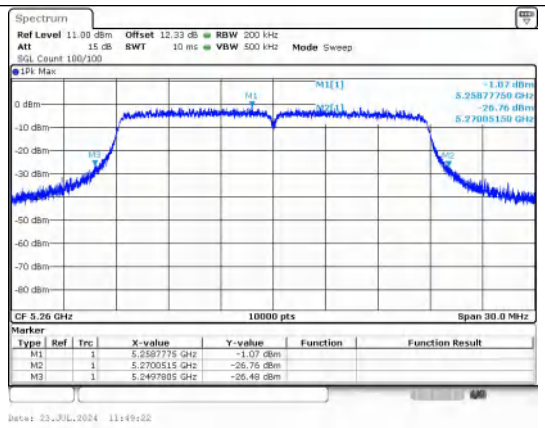
IEEE 802.11n_Channel 64_20MHz_Antenna 0



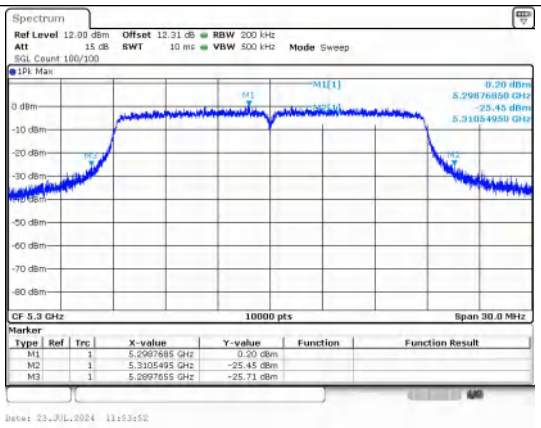
IEEE 802.11n_Channel 54_40MHz_Antenna 0



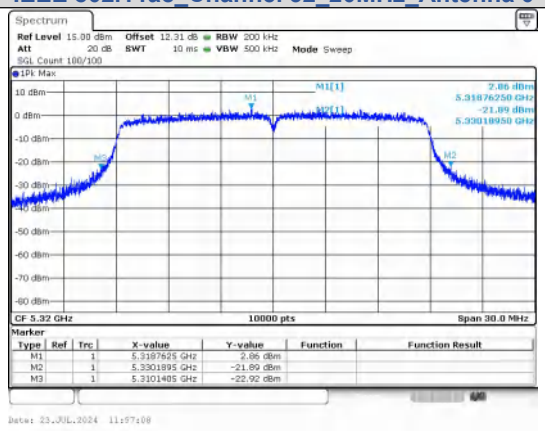
IEEE 802.11n_Channel 62_40MHz_Antenna 0



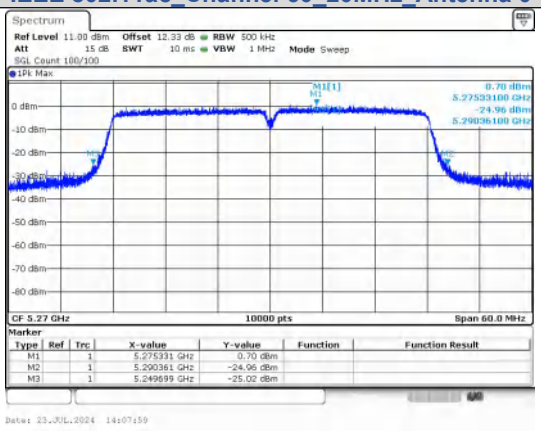
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



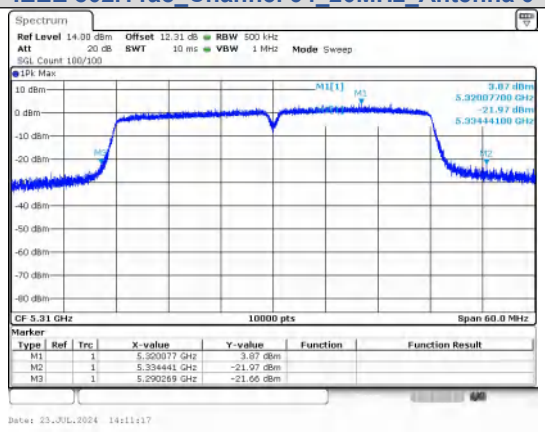
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



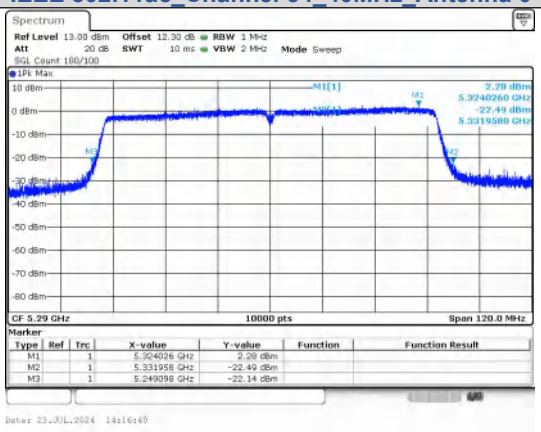
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



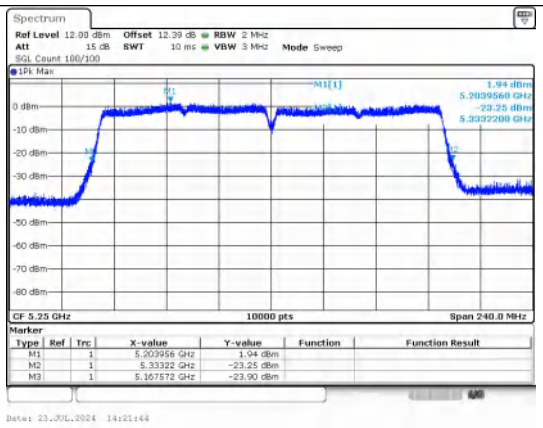
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



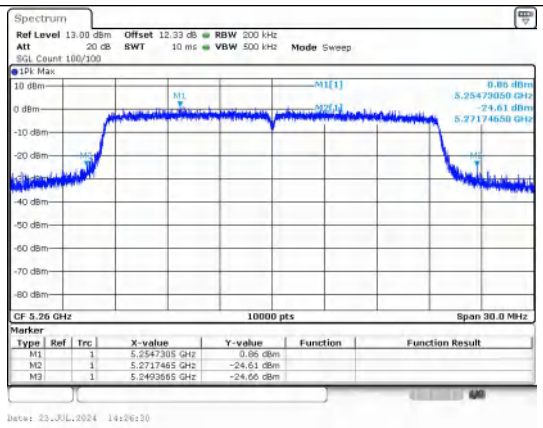
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



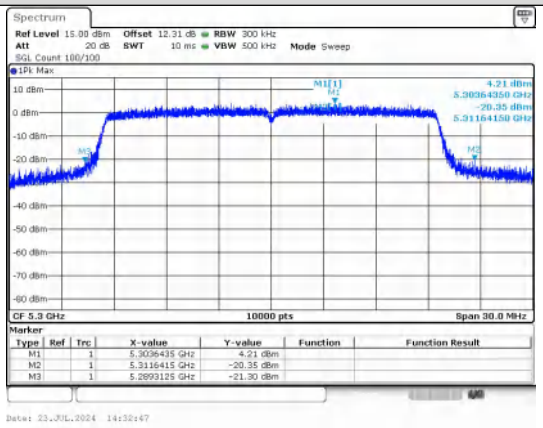
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



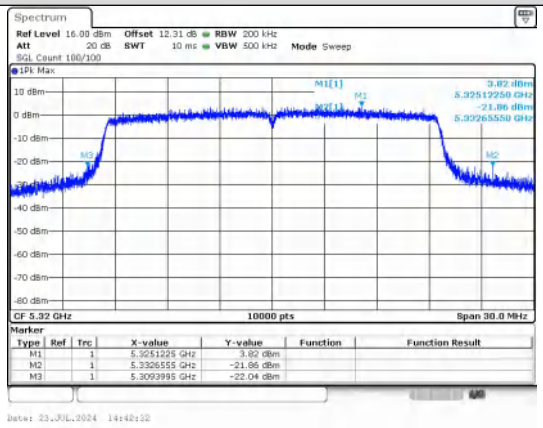
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



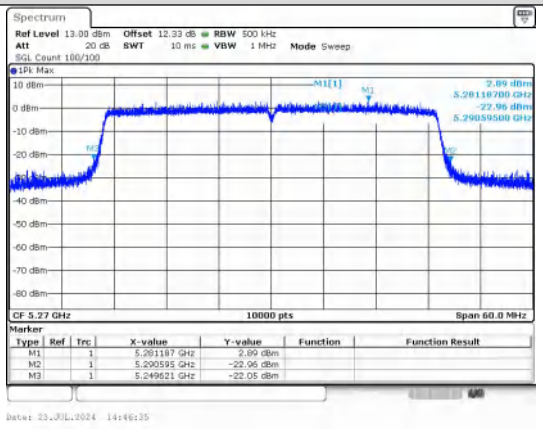
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



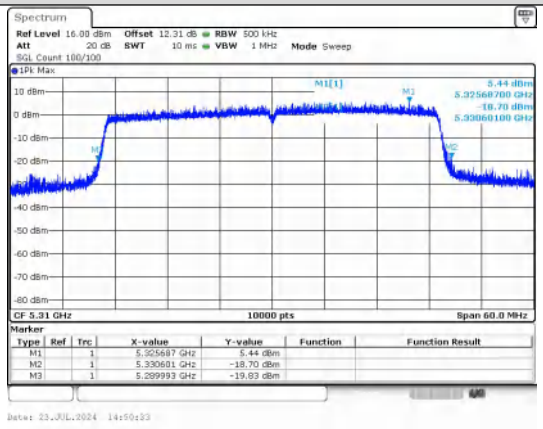
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



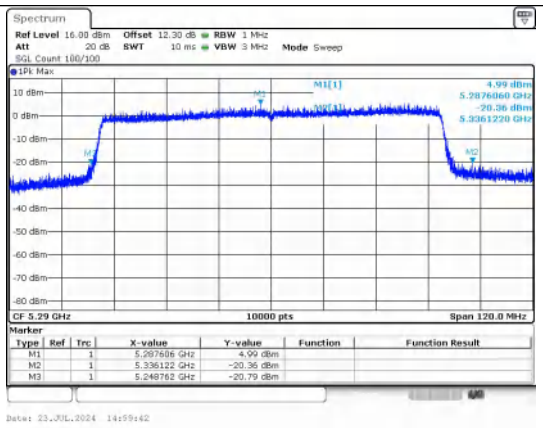
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



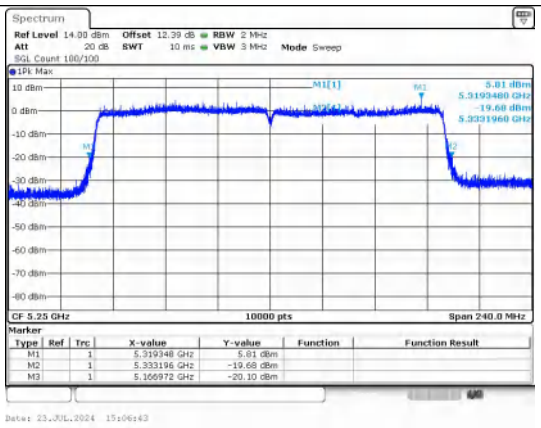
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU

Conducted Out Of Band Emission

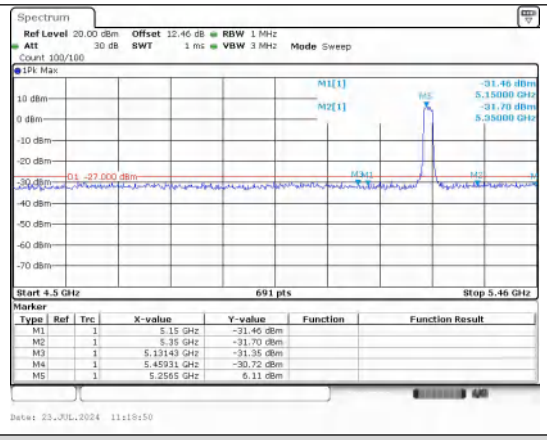
Test Result

Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	52	N/A	0	5131.43	-31.354	-27	-4	PASS
				5131.65	-45.176	-27	-18.180	PASS
				5150.00	-31.508	-27	-5	PASS
				5350.00	-31.697	-27	-5	PASS
				5459.31	-30.725	-27	-4	PASS
				7013.37	-38.651	-27	-11.650	PASS
	60			5068.34	-43.854	-27	-16.850	PASS
				5149.49	-33.000	-27	-6	PASS
				5150.00	-33.000	-27	-6	PASS
				5350.00	-31.010	-27	-4	PASS
				5457.92	-30.986	-27	-4	PASS
				7067.08	-37.878	-27	-10.880	PASS
	64			4420.31	-45.011	-27	-18.010	PASS
				5148.10	-33.061	-27	-6	PASS
				5150.00	-33.626	-27	-7	PASS
				5350.00	-31.153	-27	-4	PASS
				5459.31	-30.564	-27	-4	PASS
				7093.94	-36.984	-27	-9.980	PASS
IEEE 802.11n_20	52			5032.84	-45.255	-27	-18.260	PASS
				5149.49	-32.156	-27	-5	PASS
				5150.00	-32.156	-27	-5	PASS
				5350.00	-32.315	-27	-5	PASS
				5459.31	-32.083	-27	-5	PASS
				7013.37	-39.152	-27	-12.150	PASS
	60			5085.23	-45.148	-27	-18.150	PASS
				5149.49	-32.890	-27	-6	PASS
				5150.00	-32.890	-27	-6	PASS
				5350.00	-32.541	-27	-6	PASS
				5456.53	-32.297	-27	-5	PASS
				7067.08	-38.025	-27	-11.020	PASS
	64			5055.54	-44.965	-27	-17.970	PASS
				5149.49	-32.906	-27	-6	PASS
				5150.00	-32.906	-27	-6	PASS
				5350.00	-31.823	-27	-5	PASS
				5457.92	-30.538	-27	-4	PASS
				7093.94	-36.768	-27	-9.770	PASS
IEEE 802.11n_40	54			5085.91	-44.372	-27	-17.370	PASS
				5135.60	-31.123	-27	-4	PASS
				5150.00	-31.274	-27	-4	PASS
				5350.00	-31.730	-27	-5	PASS
				5457.92	-31.516	-27	-5	PASS
				7027.13	-39.069	-27	-12.070	PASS
	62			5136.09	-44.995	-27	-17.990	PASS
				5149.49	-32.607	-27	-6	PASS
				5150.00	-32.607	-27	-6	PASS
				5350.00	-31.264	-27	-4	PASS
				5350.33	-31.659	-27	-4.660	PASS
				5452.36	-30.934	-27	-4	PASS
IEEE 802.11ac_20	52			4734.00	-45.206	-27	-18.210	PASS
				5127.26	-29.537	-27	-3	PASS
				5150.00	-31.042	-27	-4	PASS

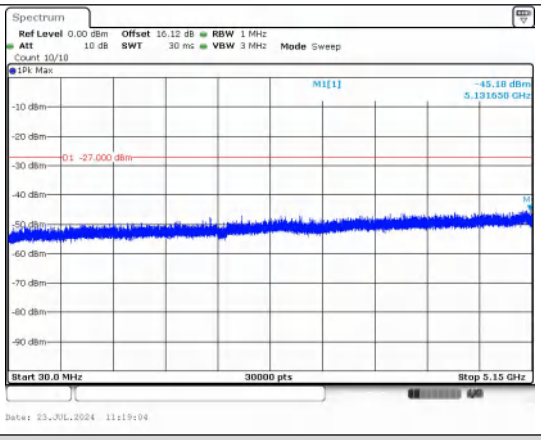
				5350.00	-31.979	-27	-5	PASS
				5457.92	-31.582	-27	-5	PASS
				7014.03	-39.147	-27	-12.150	PASS
	60			4685.70	-45.376	-27	-18.380	PASS
				5149.49	-33.462	-27	-6	PASS
				5150.00	-33.462	-27	-6	PASS
				5350.00	-32.273	-27	-5	PASS
				5459.31	-30.577	-27	-4	PASS
				7067.08	-37.973	-27	-10.970	PASS
	64			4773.94	-45.392	-27	-18.390	PASS
				5148.10	-31.466	-27	-4	PASS
				5150.00	-33.463	-27	-6	PASS
				5350.00	-31.235	-27	-4	PASS
				5459.31	-30.989	-27	-4	PASS
				7093.28	-37.681	-27	-10.680	PASS
IEEE 802.11ac_40	54			5080.97	-44.910	-27	-17.910	PASS
				5148.10	-31.911	-27	-5	PASS
				5150.00	-32.046	-27	-5	PASS
				5350.00	-29.857	-27	-3	PASS
				5391.23	-29.770	-27	-3	PASS
				7027.13	-38.802	-27	-11.800	PASS
	62			5012.02	-45.593	-27	-18.590	PASS
				5146.71	-31.484	-27	-4	PASS
				5150.00	-32.062	-27	-5	PASS
				5350.00	-31.645	-27	-5	PASS
				5459.31	-29.539	-27	-3	PASS
				7080.18	-37.785	-27	-10.780	PASS
IEEE 802.11ac_80	58			5067.82	-45.411	-27	-18.410	PASS
				5149.49	-32.206	-27	-5	PASS
				5150.00	-32.206	-27	-5	PASS
				5350.00	-31.216	-27	-4	PASS
				5353.60	-31.876	-27	-4.880	PASS
				5453.75	-31.100	-27	-4	PASS
IEEE 802.11ac_160	50			5133.19	-38.114	-27	-11.110	PASS
				5148.10	-31.790	-27	-5	PASS
				5150.00	-32.153	-27	-5	PASS
				5350.00	-31.633	-27	-5	PASS
				5396.18	-30.883	-27	-3.880	PASS
				5457.92	-31.277	-27	-4	PASS
IEEE 802.11ax_20	52	SU		5104.52	-45.028	-27	-18.030	PASS
				5141.16	-31.407	-27	-4	PASS
				5150.00	-32.257	-27	-5	PASS
				5350.00	-32.269	-27	-5	PASS
				5457.92	-32.140	-27	-5	PASS
				7013.37	-39.059	-27	-12.060	PASS
	60			4663.34	-44.958	-27	-17.960	PASS
				5148.10	-31.978	-27	-5	PASS
				5150.00	-32.949	-27	-6	PASS
				5350.00	-33.103	-27	-6	PASS
				5459.31	-31.618	-27	-5	PASS
				7067.08	-38.347	-27	-11.350	PASS
	64			5106.74	-45.509	-27	-18.510	PASS
				5149.49	-32.759	-27	-6	PASS
				5150.00	-32.759	-27	-6	PASS
				5350.00	-31.370	-27	-4	PASS
				5350.98	-33.323	-27	-6.320	PASS
				5453.75	-30.950	-27	-4	PASS
IEEE 802.11ax_40	54			5102.81	-44.281	-27	-17.280	PASS
				5146.71	-31.510	-27	-5	PASS

				5150.00	-32.609	-27	-6	PASS
				5350.00	-31.617	-27	-5	PASS
				5455.14	-30.014	-27	-3	PASS
				7027.13	-38.477	-27	-11.480	PASS
	62			4738.95	-45.703	-27	-18.700	PASS
				5149.49	-33.673	-27	-7	PASS
				5150.00	-33.673	-27	-7	PASS
				5350.00	-30.216	-27	-3	PASS
				5449.58	-30.152	-27	-3	PASS
				7080.18	-37.345	-27	-10.340	PASS
IEEE 802.11ax_80	58			5092.06	-44.100	-27	-17.100	PASS
				5148.10	-32.000	-27	-5	PASS
				5150.00	-32.136	-27	-5	PASS
				5350.00	-30.424	-27	-3	PASS
				5362.77	-29.066	-27	-2.070	PASS
				5442.63	-30.137	-27	-3	PASS
IEEE 802.11ax_160	50			5131.82	-34.318	-27	-7.320	PASS
				5148.10	-32.759	-27	-6	PASS
				5150.00	-32.825	-27	-6	PASS
				5350.00	-30.439	-27	-3	PASS
				5358.84	-30.380	-27	-3.380	PASS
				5459.31	-29.963	-27	-3	PASS

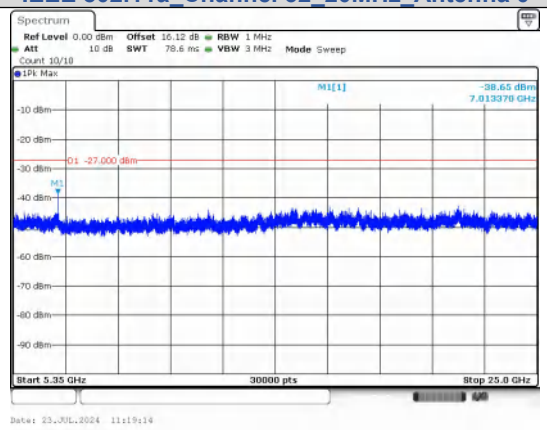
Test Graphs



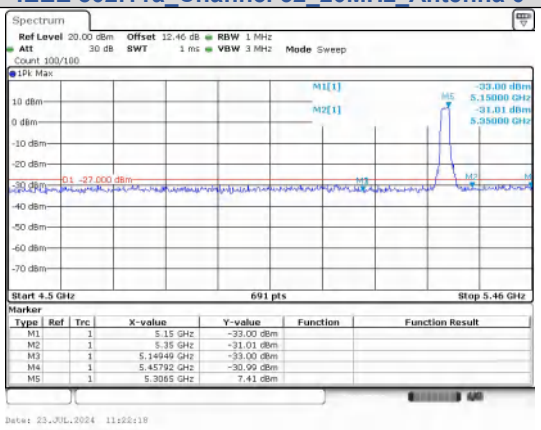
Out Of Band Emission
IEEE 802.11a_Channel 52_20MHz_Antenna 0



Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 52_20MHz_Antenna 0

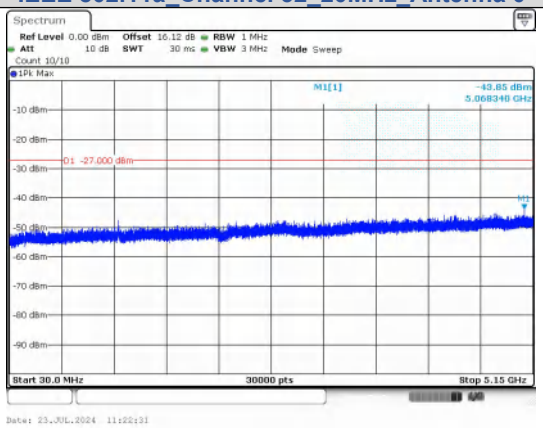


Spurious Emission:5350~25000.0 MHz

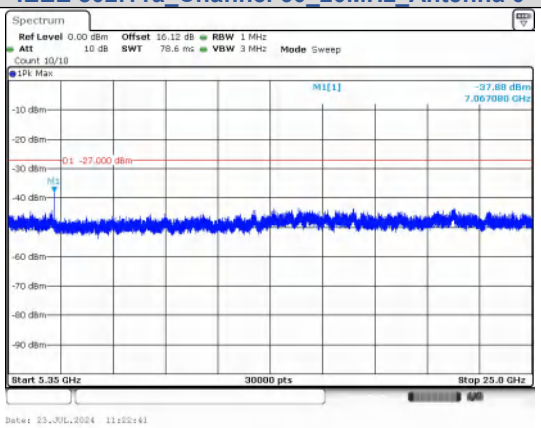


Out Of Band Emission

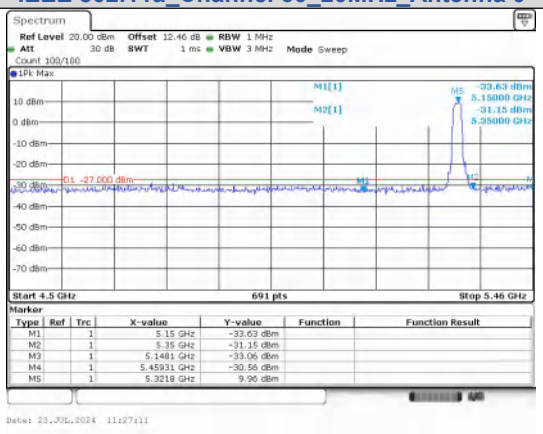
IEEE 802.11a_Channel 52_20MHz_Antenna 0



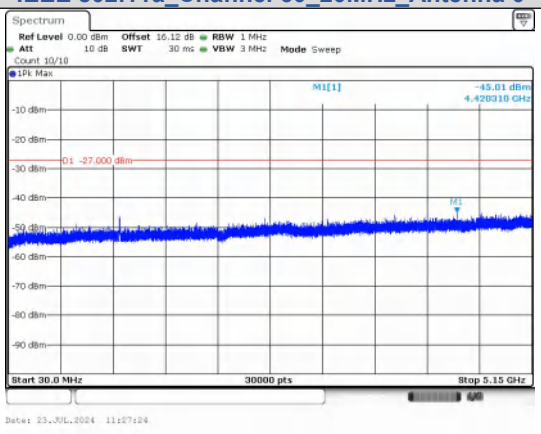
IEEE 802.11a_Channel 60_20MHz_Antenna 0



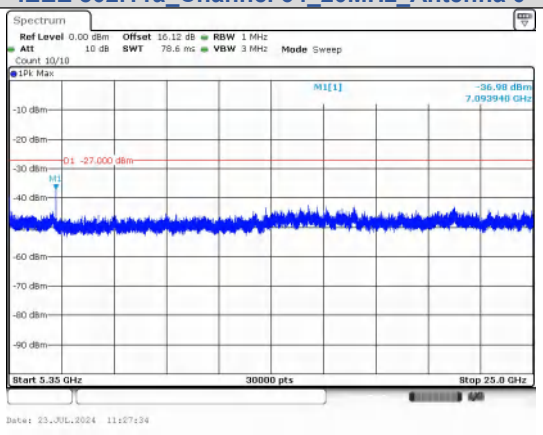
Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 60_20MHz_Antenna 0



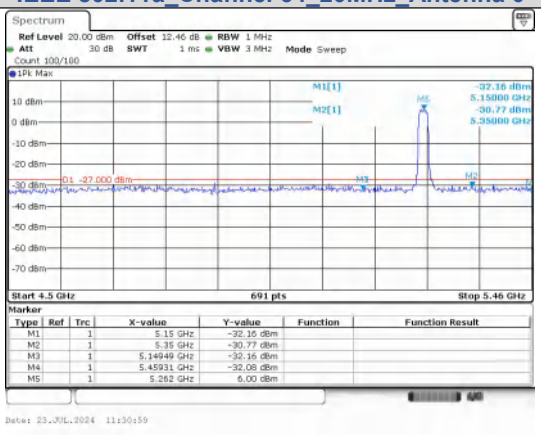
Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 60_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11a_Channel 64_20MHz_Antenna 0

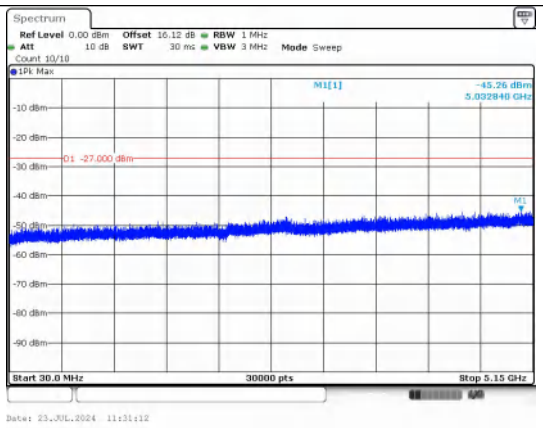


Spurious Emission:30.0~5150 MHz
IEEE 802.11a_Channel 64_20MHz_Antenna 0

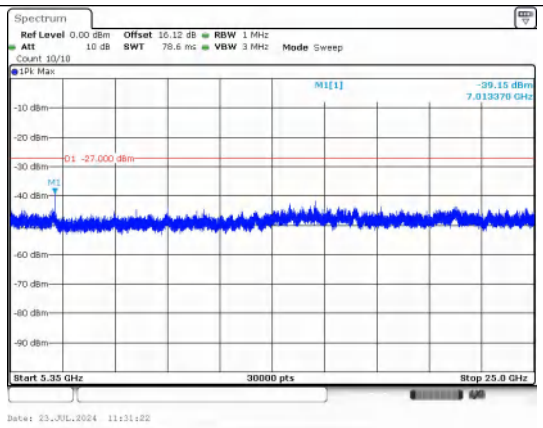


Spurious Emission:5350~25000.0 MHz
IEEE 802.11a_Channel 64_20MHz_Antenna 0

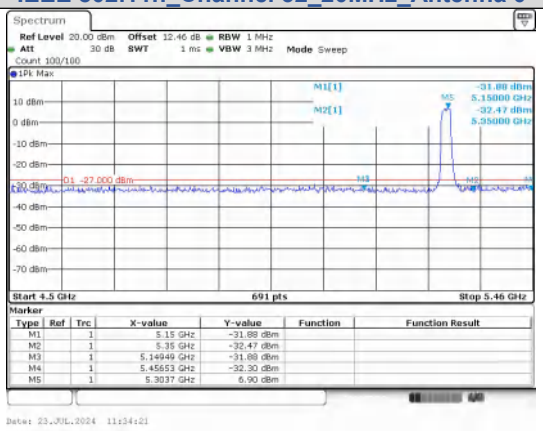
Out Of Band Emission
IEEE 802.11n_Channel 52_20MHz_Antenna 0



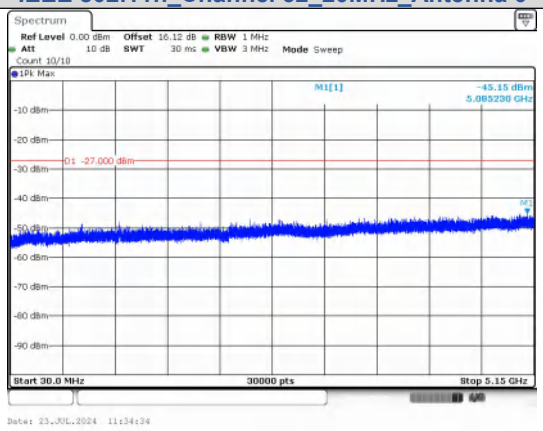
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 52_20MHz_Antenna 0



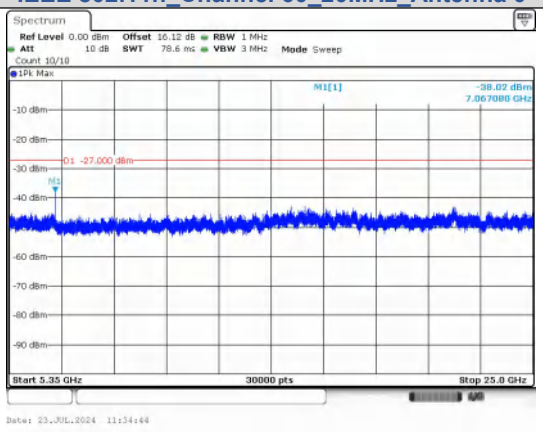
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 52_20MHz_Antenna 0



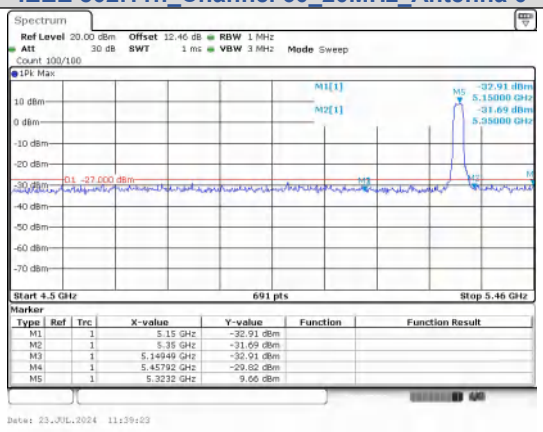
Out Of Band Emission
IEEE 802.11n_Channel 60_20MHz_Antenna 0



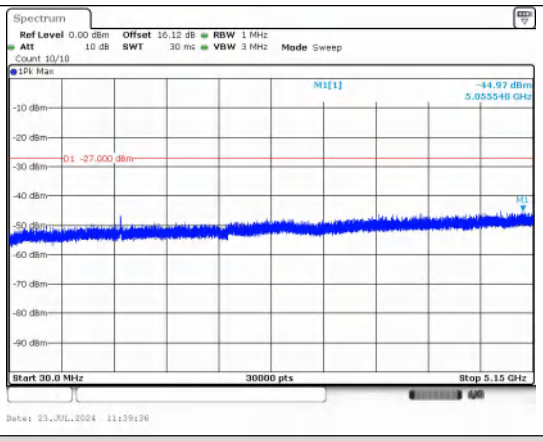
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 60_20MHz_Antenna 0



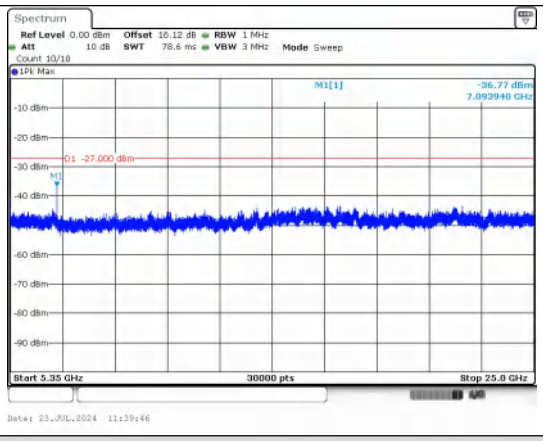
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 60_20MHz_Antenna 0



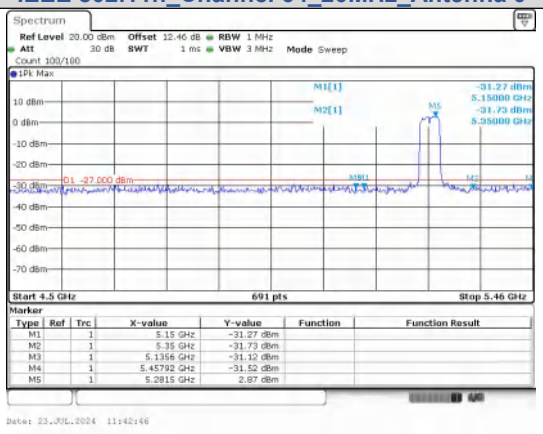
Out Of Band Emission
IEEE 802.11n_Channel 64_20MHz_Antenna 0



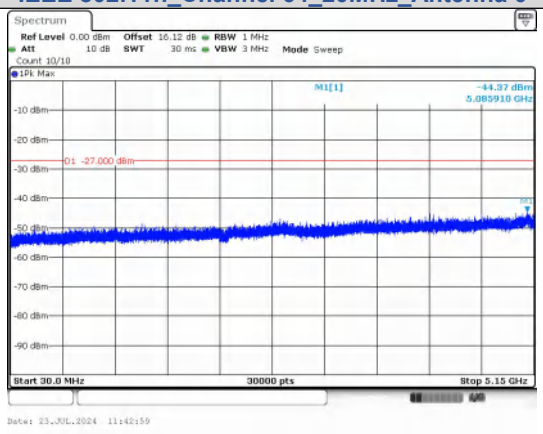
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



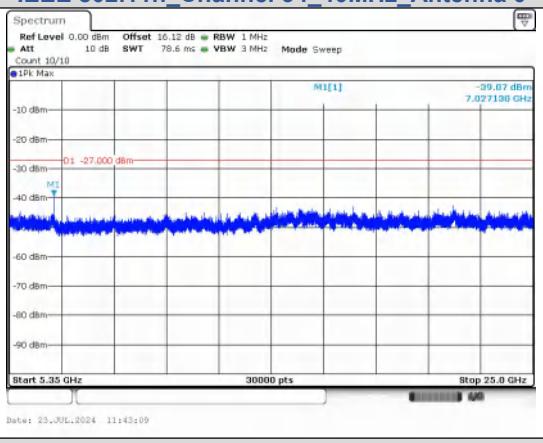
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 54_40MHz_Antenna 0

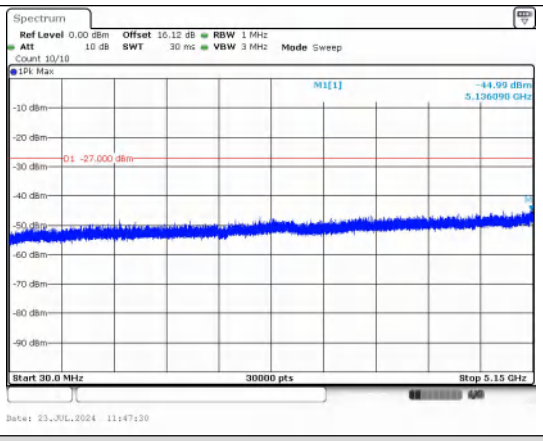


Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0

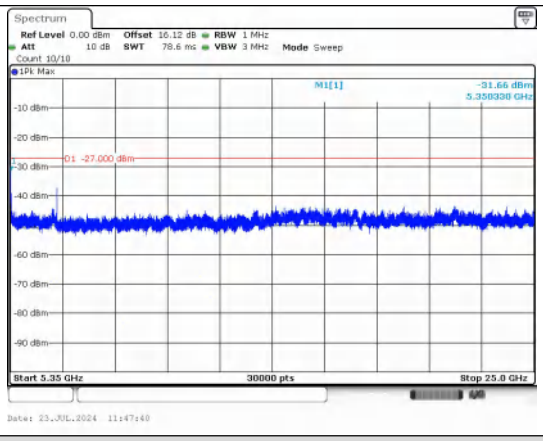


Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0

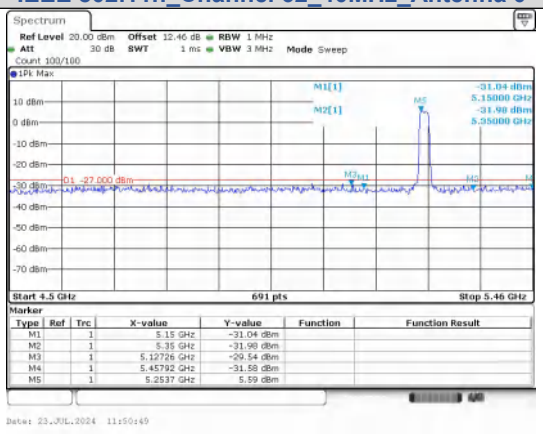
Out Of Band Emission
IEEE 802.11n_Channel 62_40MHz_Antenna 0



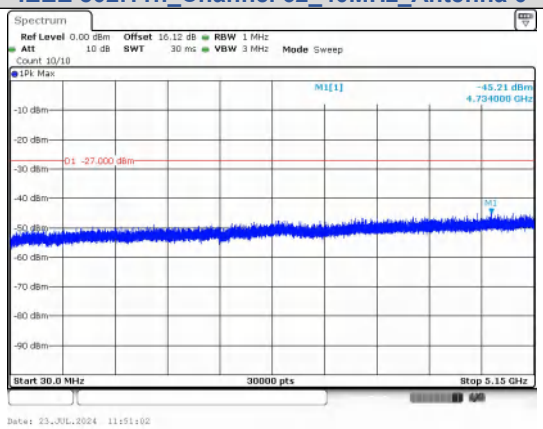
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0



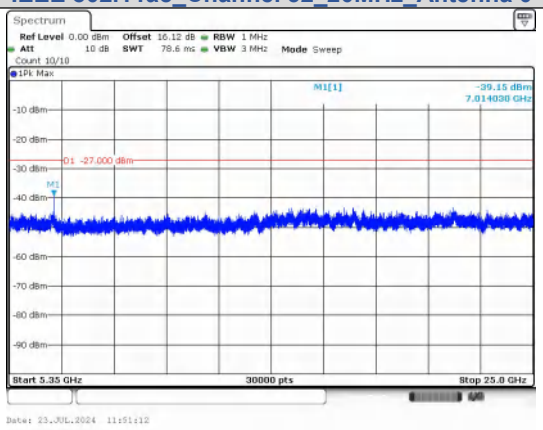
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0



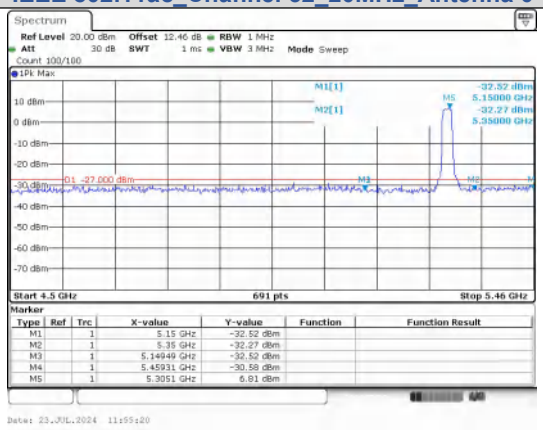
Out Of Band Emission
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



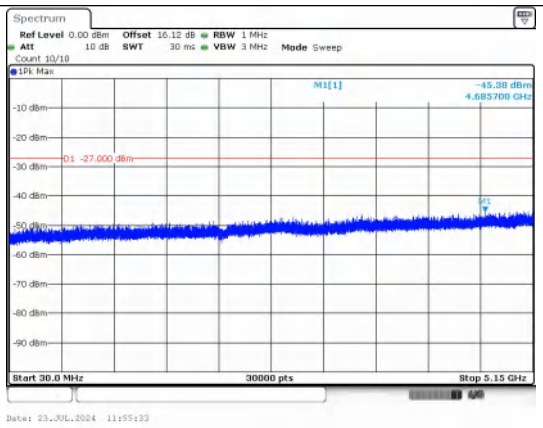
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



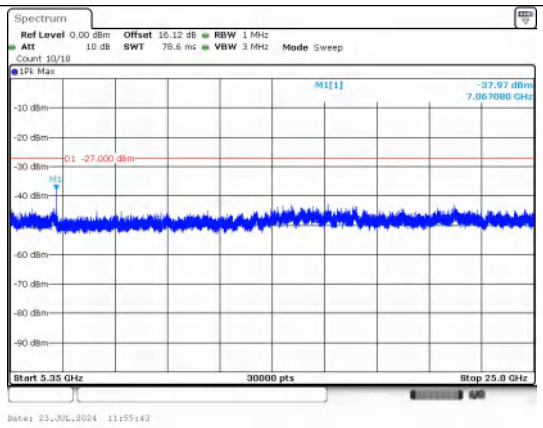
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



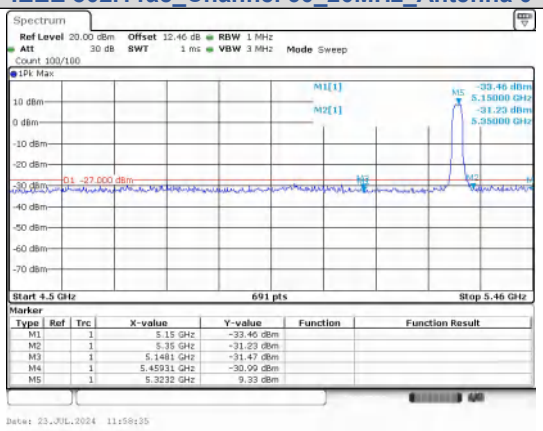
Out Of Band Emission
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



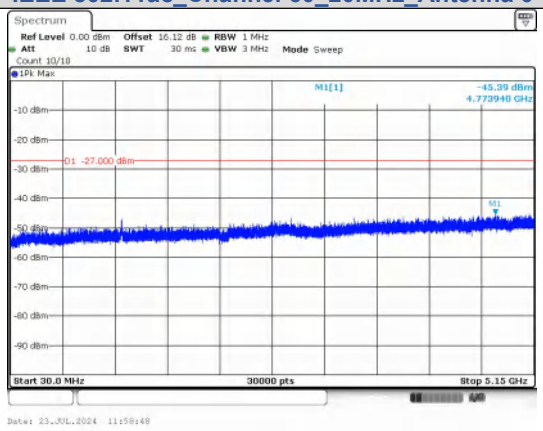
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



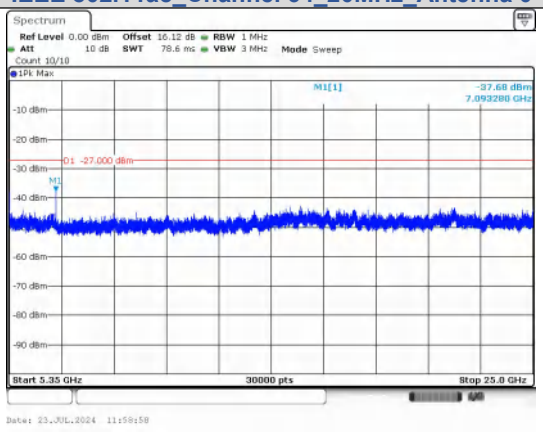
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



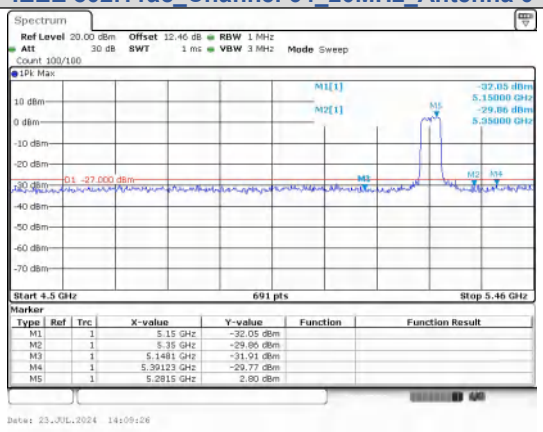
Out Of Band Emission
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



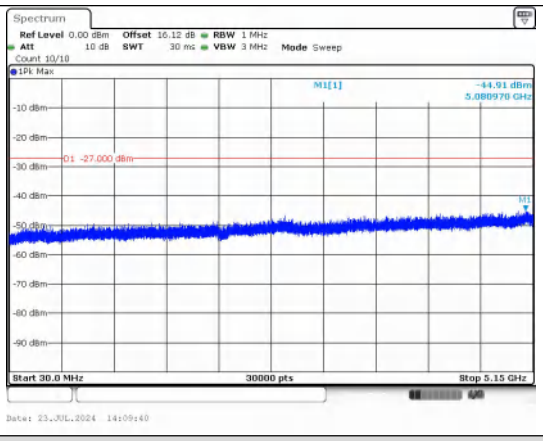
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



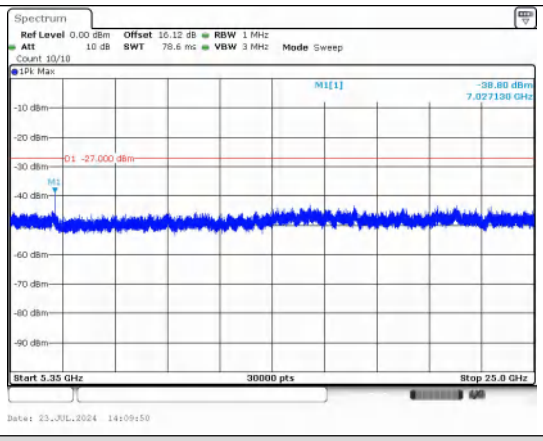
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



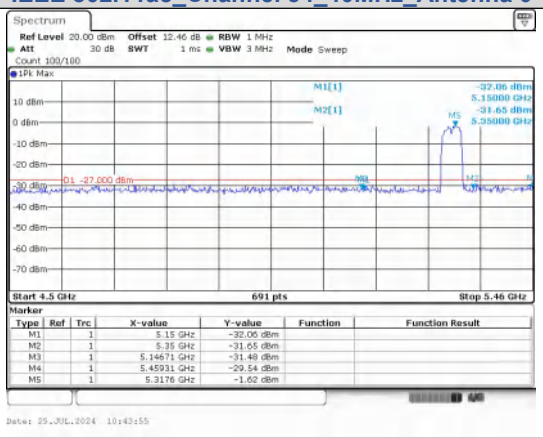
Out Of Band Emission
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



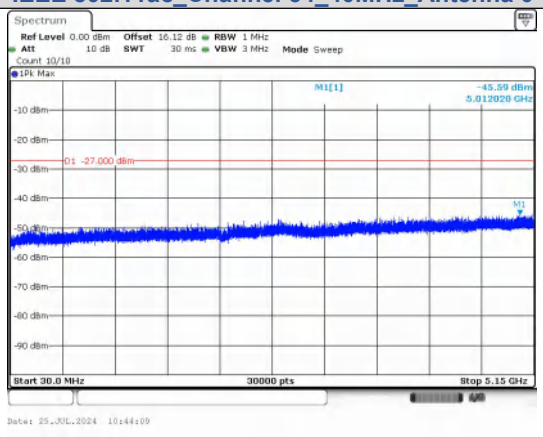
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



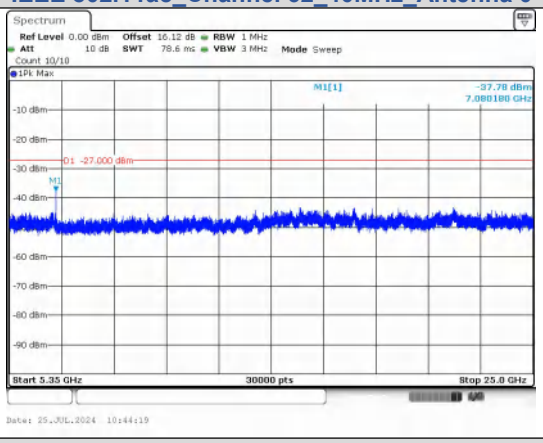
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11ac_Channel 62_40MHz_Antenna 0

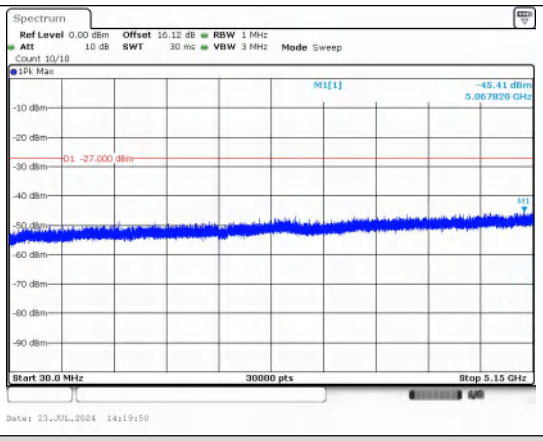


Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 62_40MHz_Antenna 0

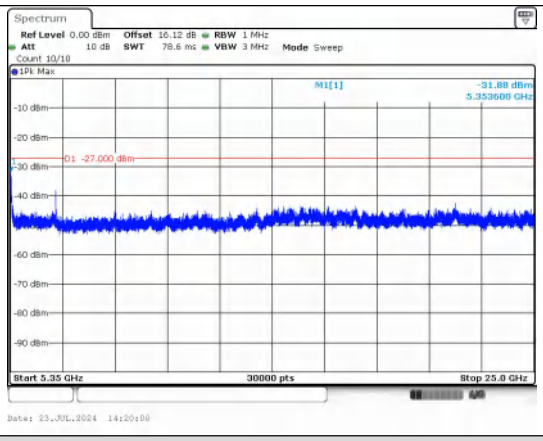


Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 62_40MHz_Antenna 0

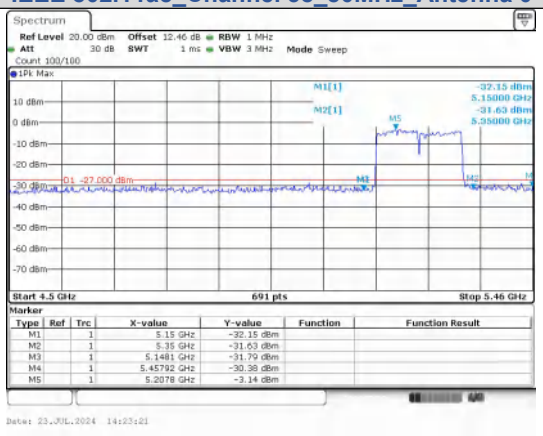
Out Of Band Emission
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



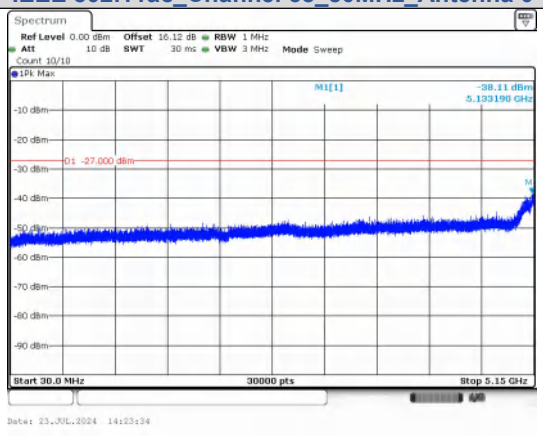
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



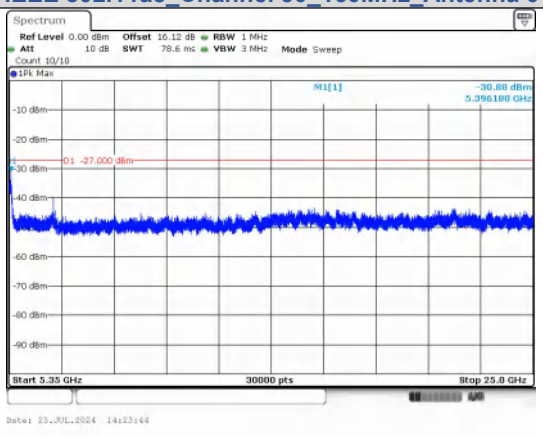
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



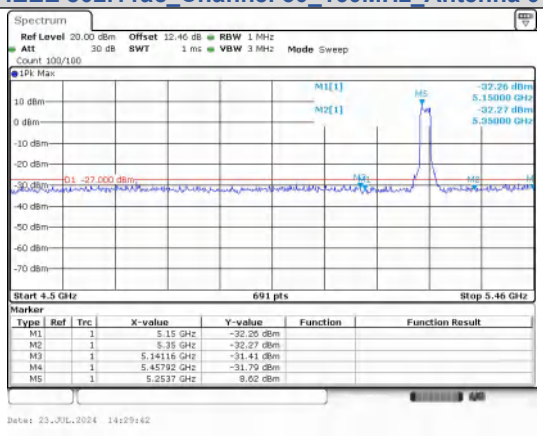
Out Of Band Emission
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



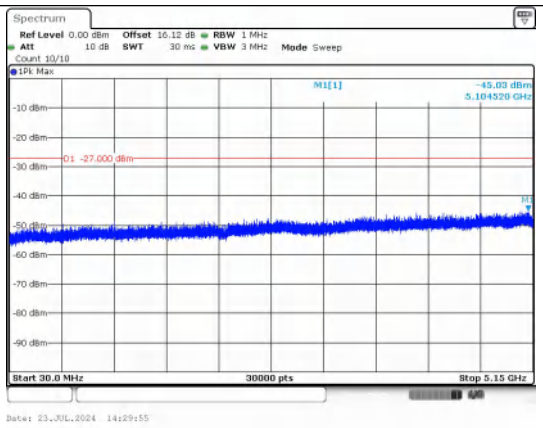
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



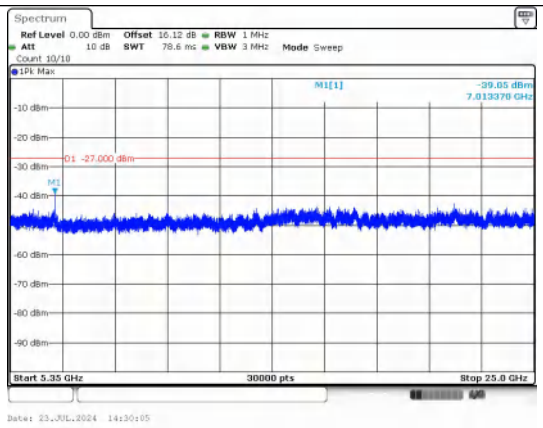
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



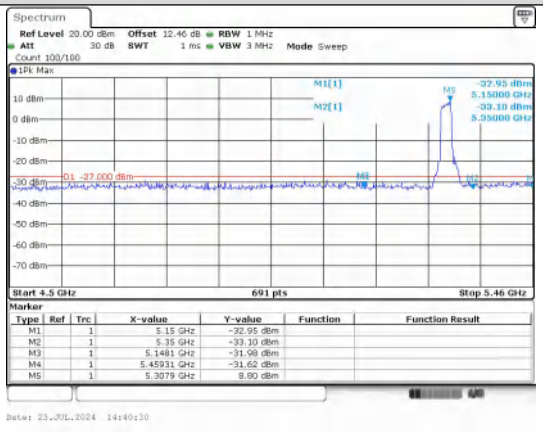
Out Of Band Emission
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



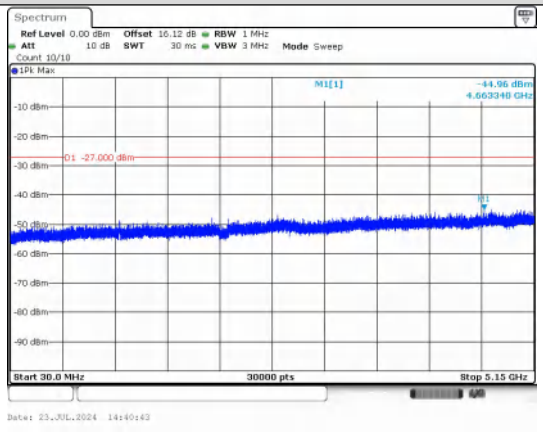
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



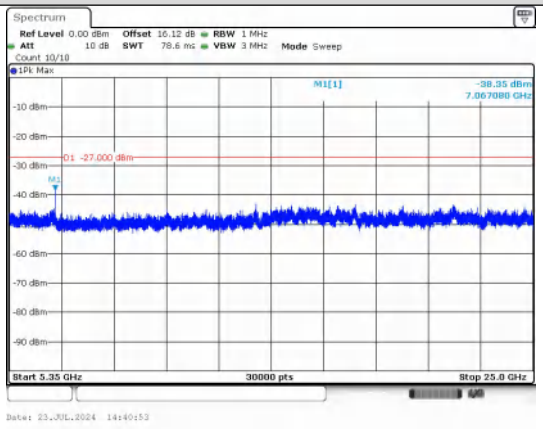
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



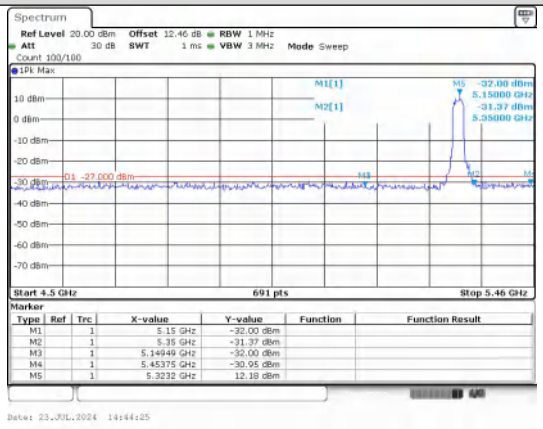
Out Of Band Emission
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



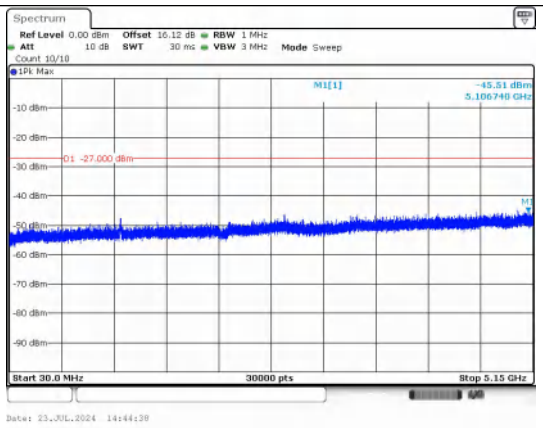
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



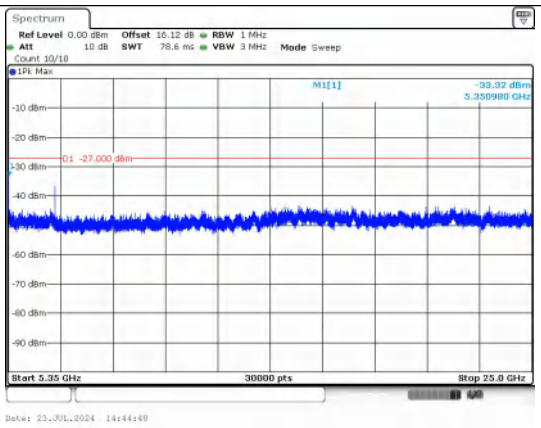
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



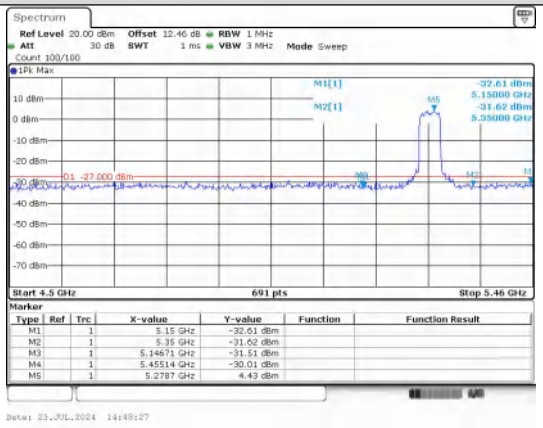
Out Of Band Emission
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



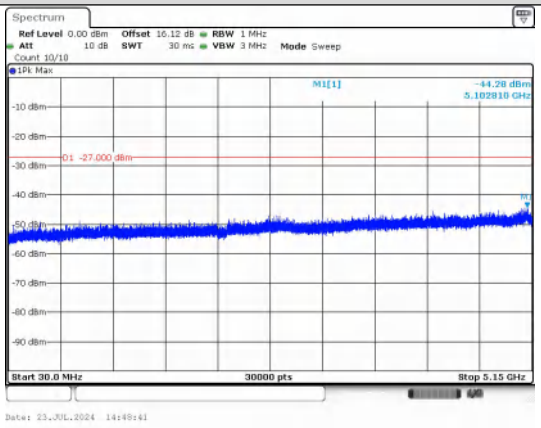
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



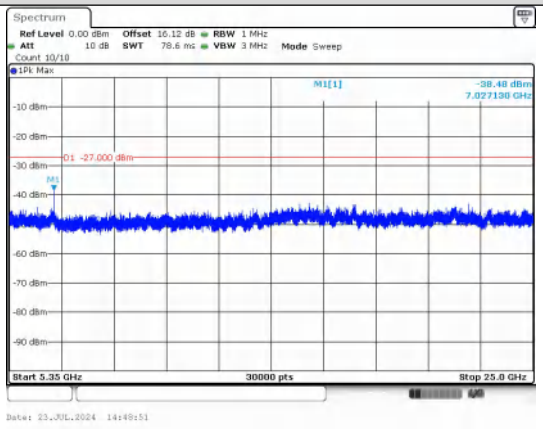
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



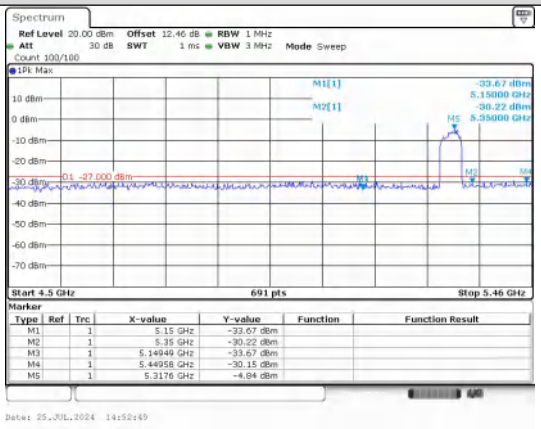
Out Of Band Emission
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



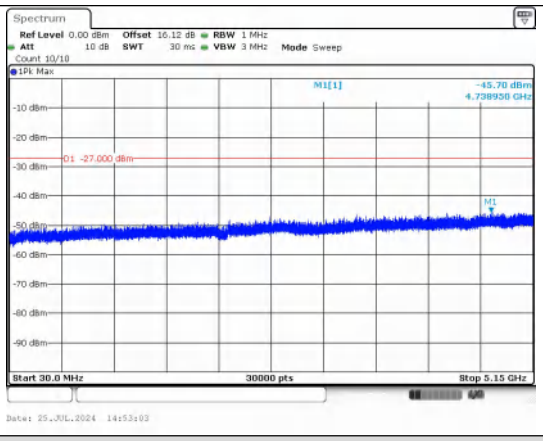
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



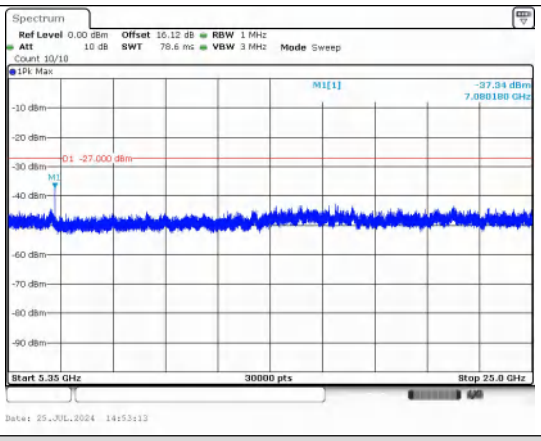
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



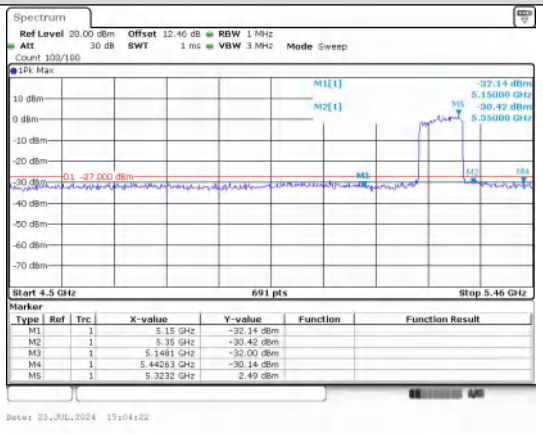
Out Of Band Emission
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



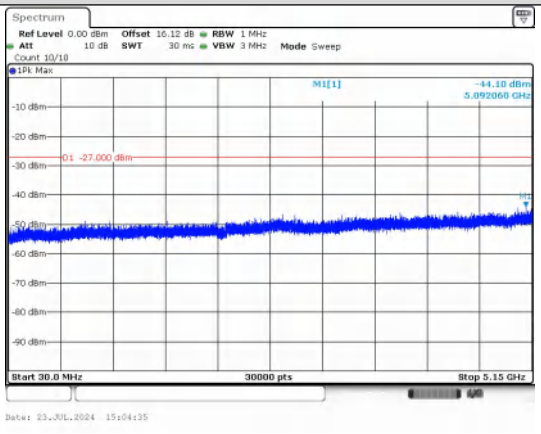
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



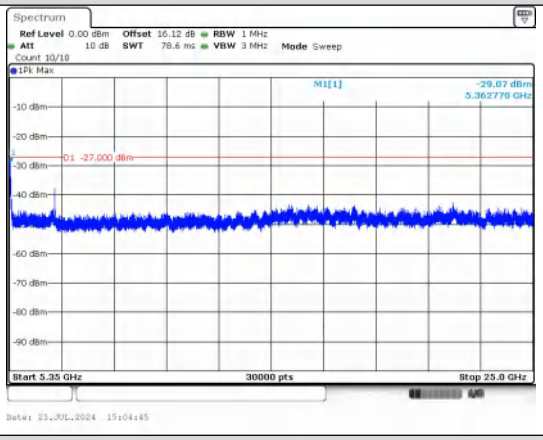
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



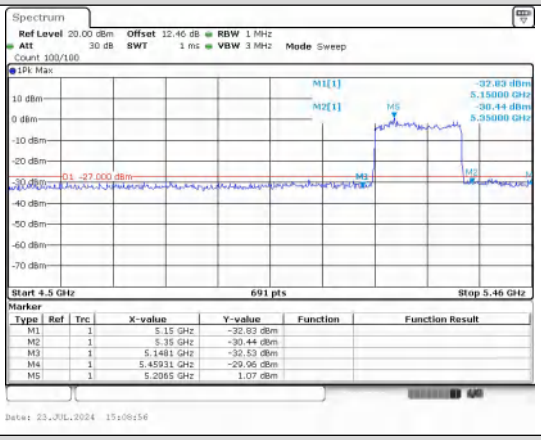
Out Of Band Emission
IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



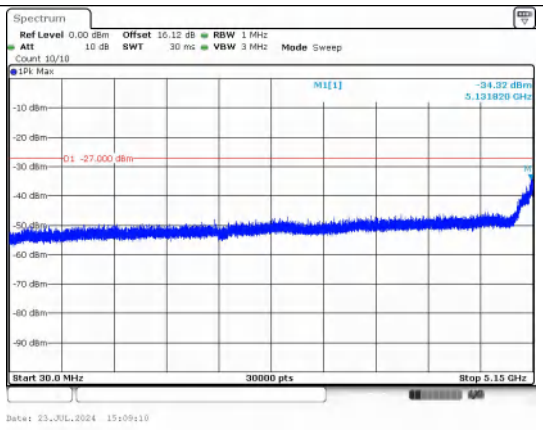
Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



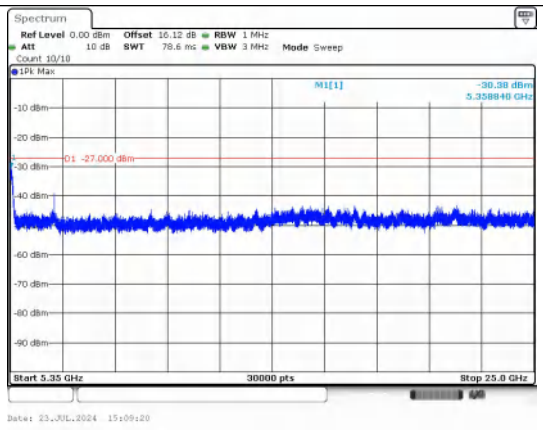
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU



Spurious Emission:30.0~5150 MHz
IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU



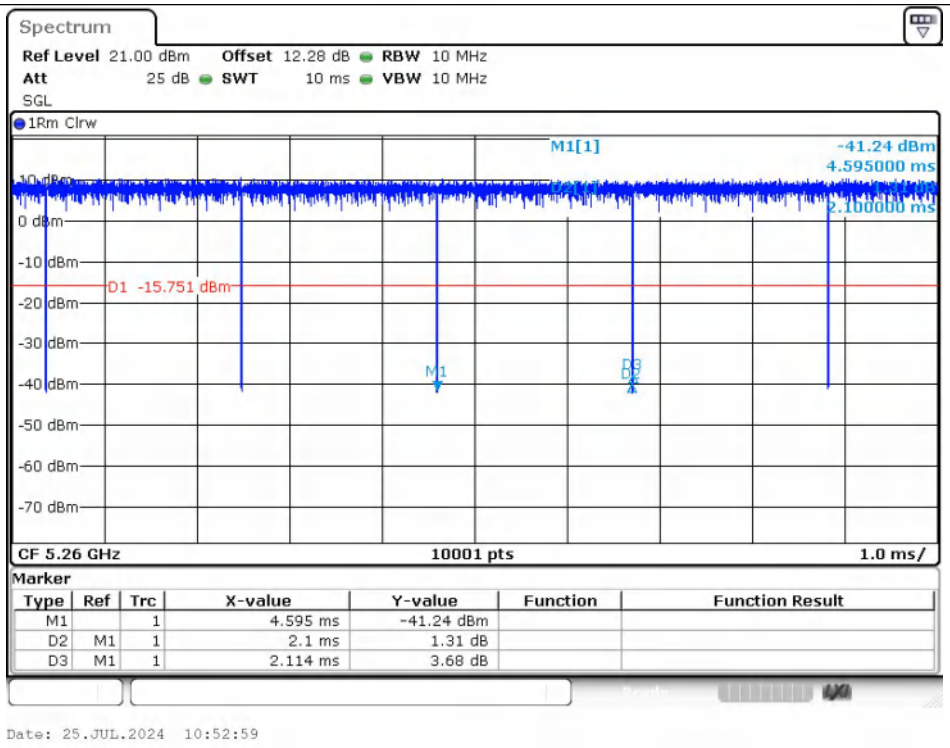
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU

Duty Cycle

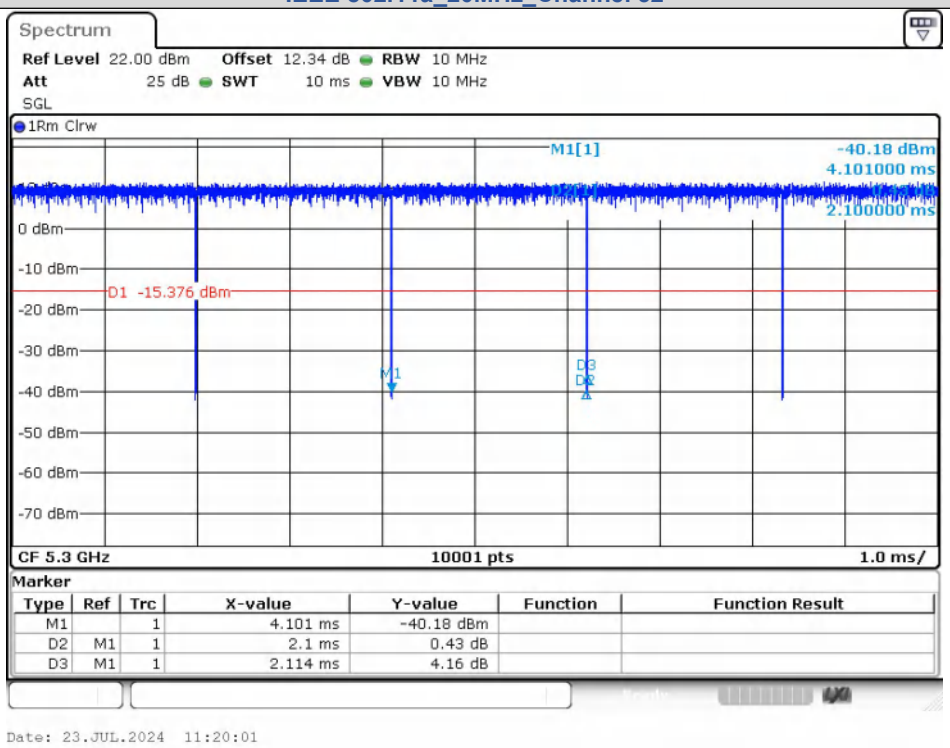
Test Result

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	1/T
IEEE 802.11a	6	52	N/A	1	2.100	2.114	99.34	0.9934	0.48
		60			2.100	2.114	99.34	0.9934	0.48
		64			2.100	2.114	99.34	0.9934	0.48
IEEE 802.11n_20	MCS 0	52			5.438	5.447	99.83	0.9983	0.18
		60			5.436	5.447	99.79	0.9979	0.18
		64			5.436	5.447	99.79	0.9979	0.18
IEEE 802.11n_40		54			5.438	5.447	99.83	0.9983	0.18
		62			5.436	5.447	99.79	0.9979	0.18
IEEE 802.11ac_20		52			5.438	5.447	99.83	0.9983	0.18
		60			5.438	5.447	99.83	0.9983	0.18
		64			5.438	5.447	99.83	0.9983	0.18
IEEE 802.11ac_40		54			5.438	5.447	99.83	0.9983	0.18
		62			5.436	5.447	99.79	0.9979	0.18
IEEE 802.11ac_80		58			5.436	5.445	99.83	0.9983	0.18
IEEE 802.11ac_160		50			5.438	5.447	99.83	0.9983	0.18
IEEE 802.11ax_20		52	SU		5.454	5.463	99.84	0.9984	0.18
		60			5.454	5.465	99.79	0.9979	0.18
		64			5.454	5.463	99.84	0.9984	0.18
IEEE 802.11ax_40		54			5.454	5.463	99.84	0.9984	0.18
		62			5.454	5.463	99.84	0.9984	0.18
IEEE 802.11ax_80		58			5.454	5.463	99.84	0.9984	0.18
IEEE 802.11ax_160		50			5.454	5.463	99.84	0.9984	0.18

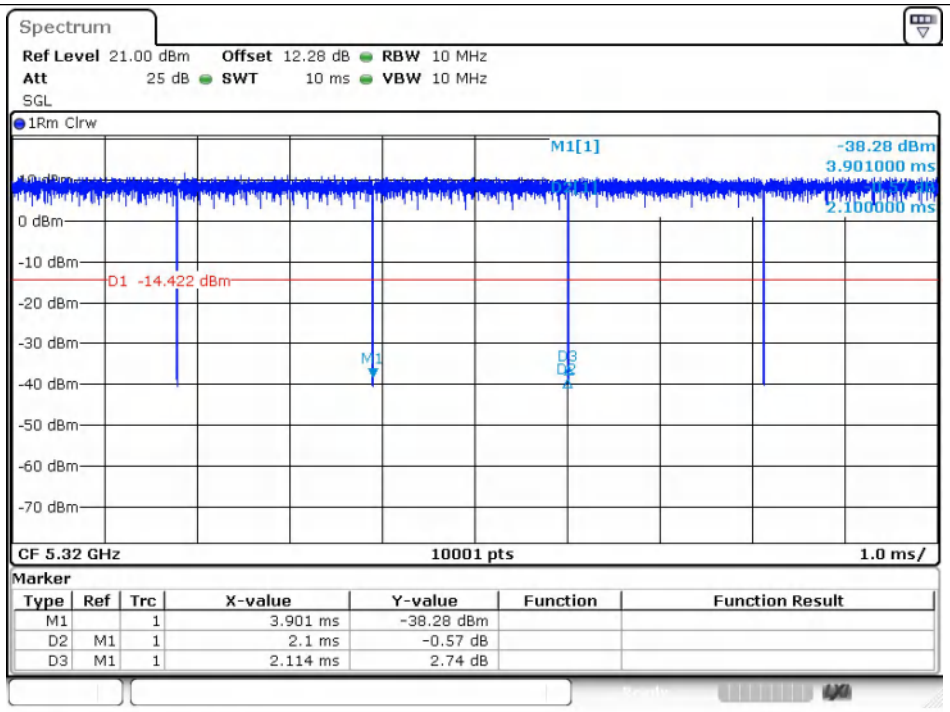
Test Graphs



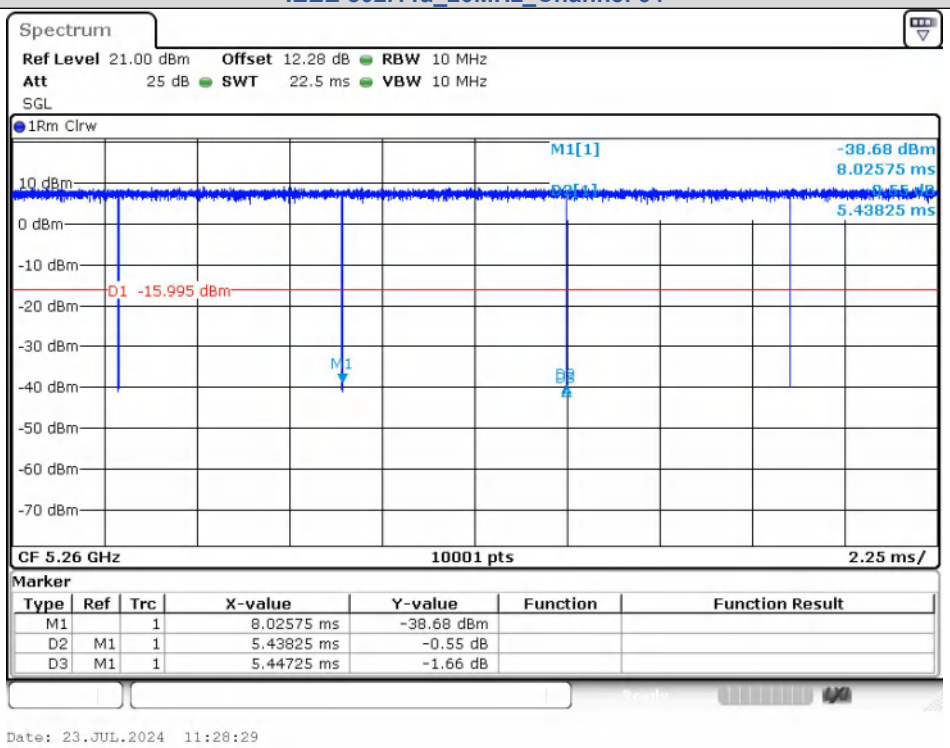
IEEE 802.11a_20MHz_Channel 52



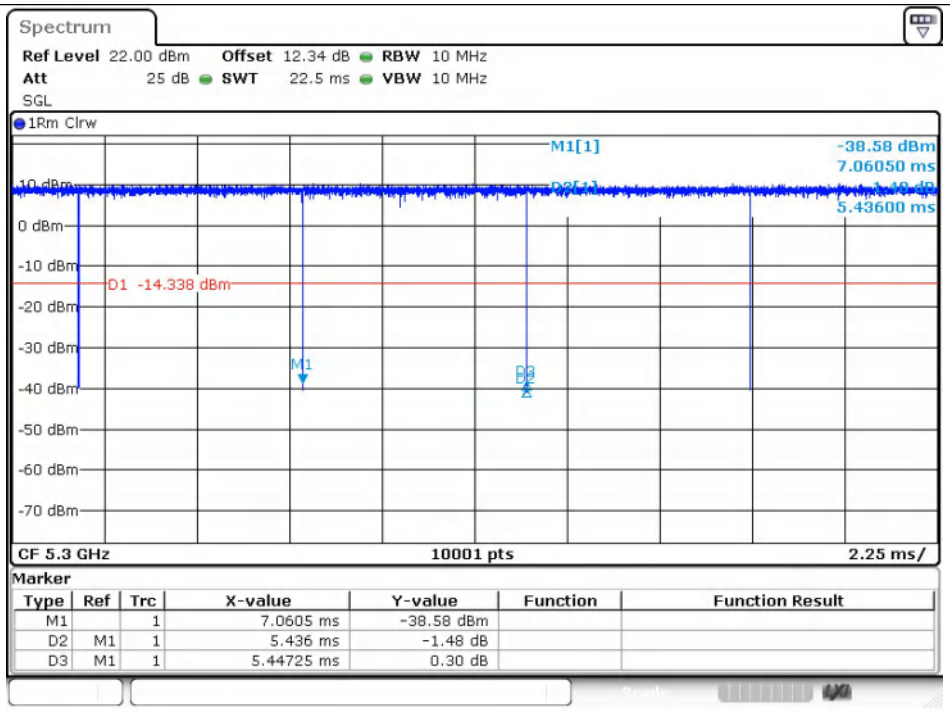
IEEE 802.11a_20MHz_Channel 60



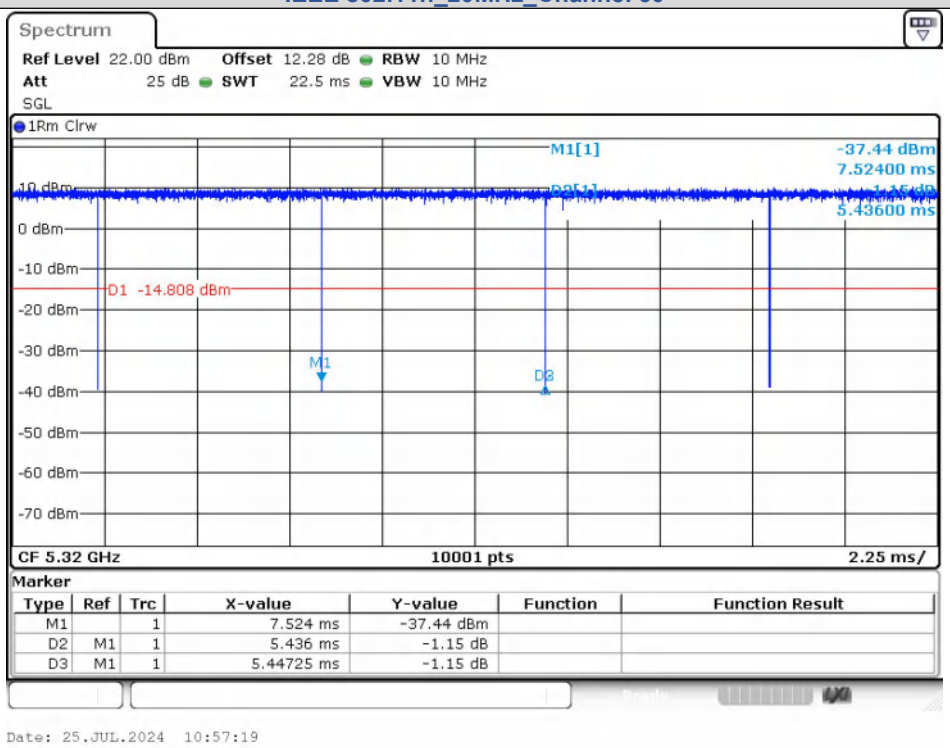
IEEE 802.11a_20MHz_Channel 64



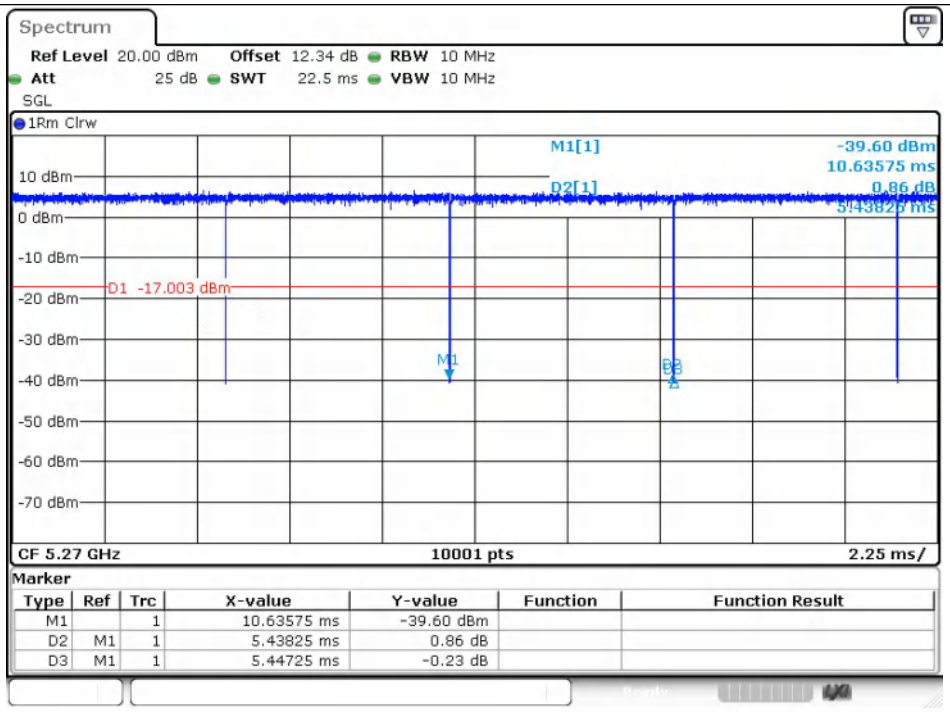
IEEE 802.11n_20MHz_Channel 52



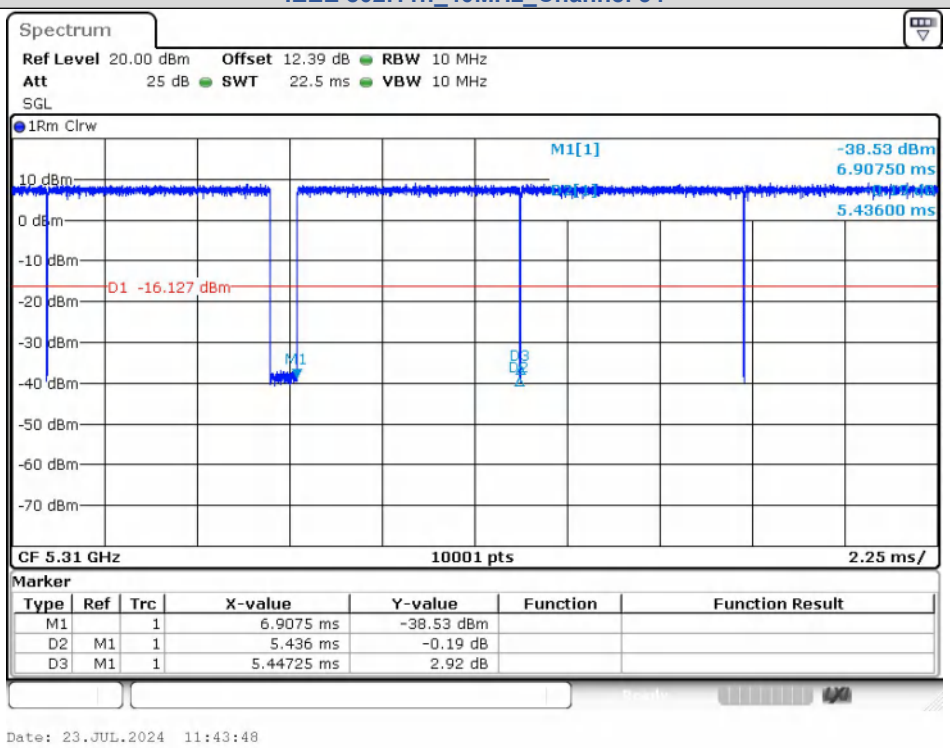
IEEE 802.11n_20MHz_Channel 60



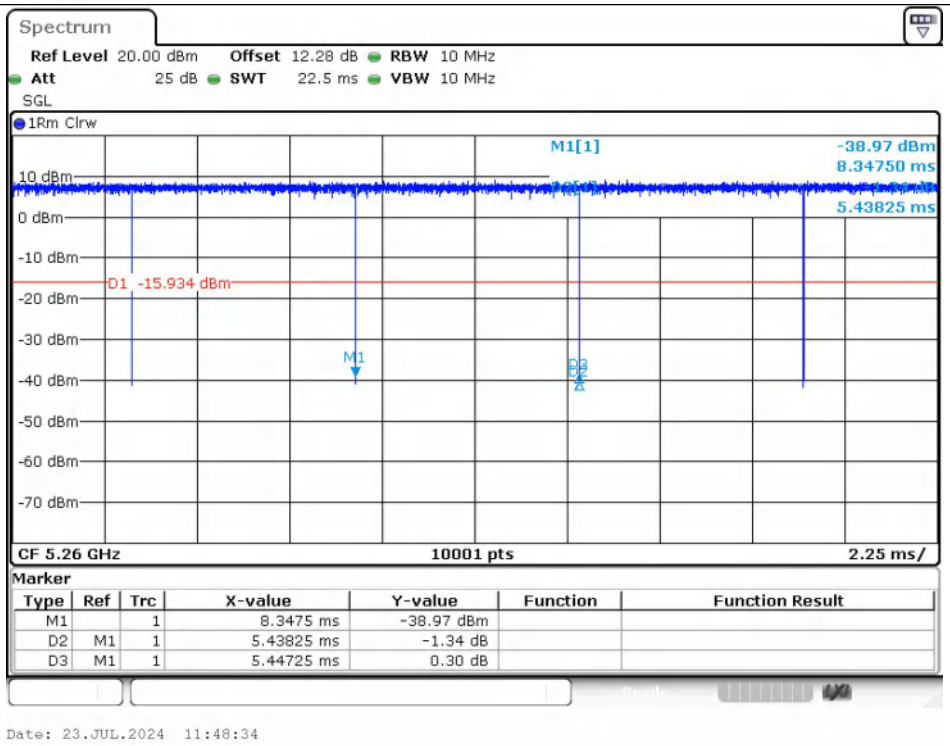
IEEE 802.11n_20MHz_Channel 64



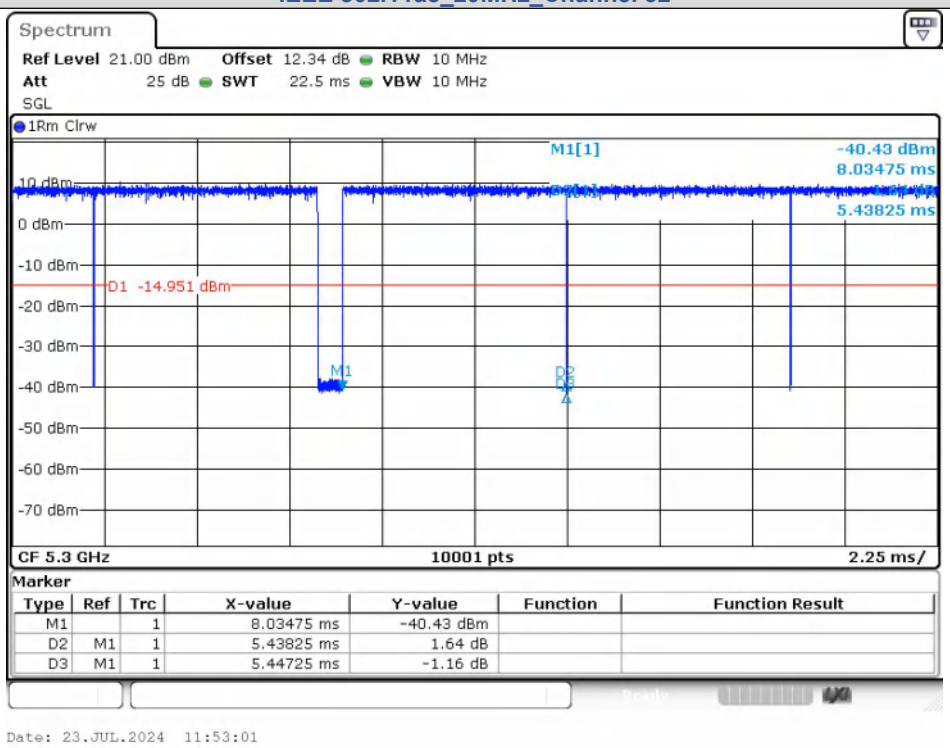
IEEE 802.11n_40MHz_Channel 54



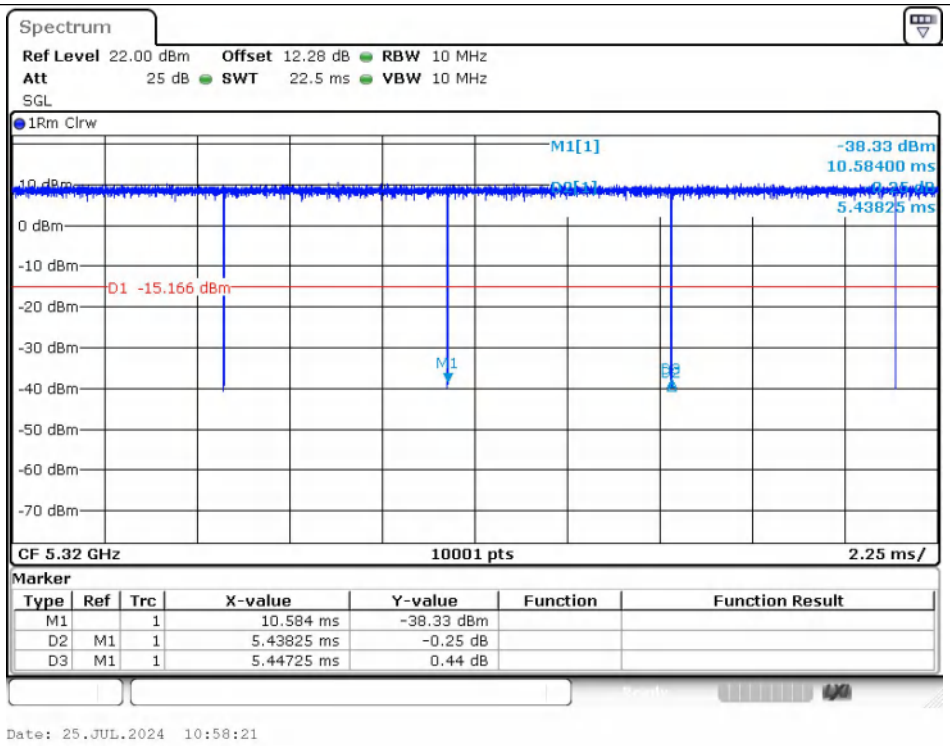
IEEE 802.11n_40MHz_Channel 62



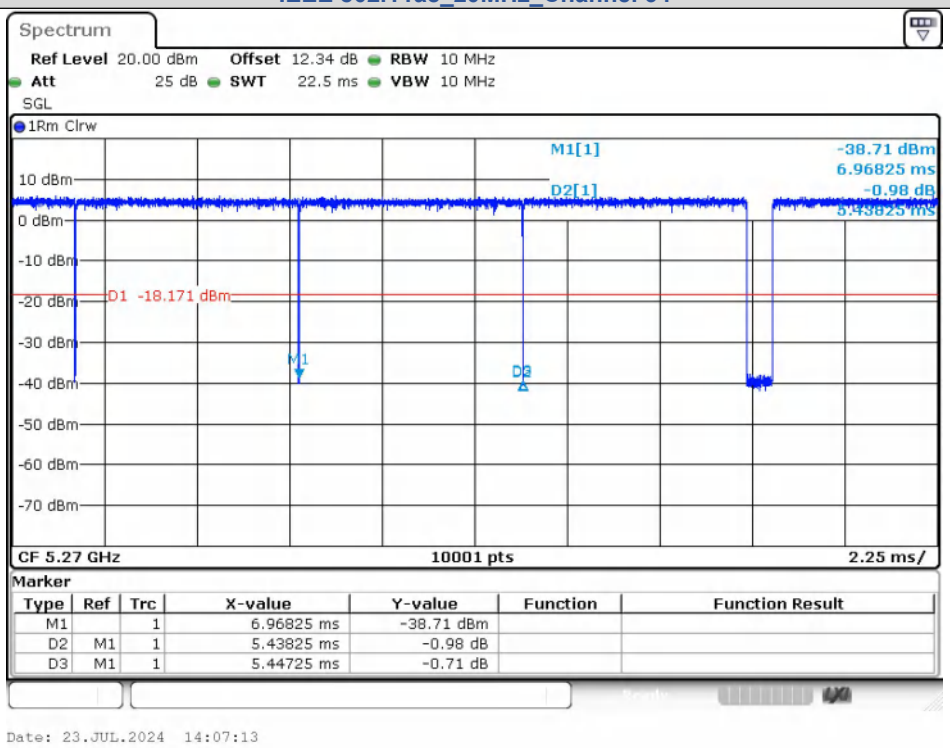
IEEE 802.11ac_20MHz_Channel 52



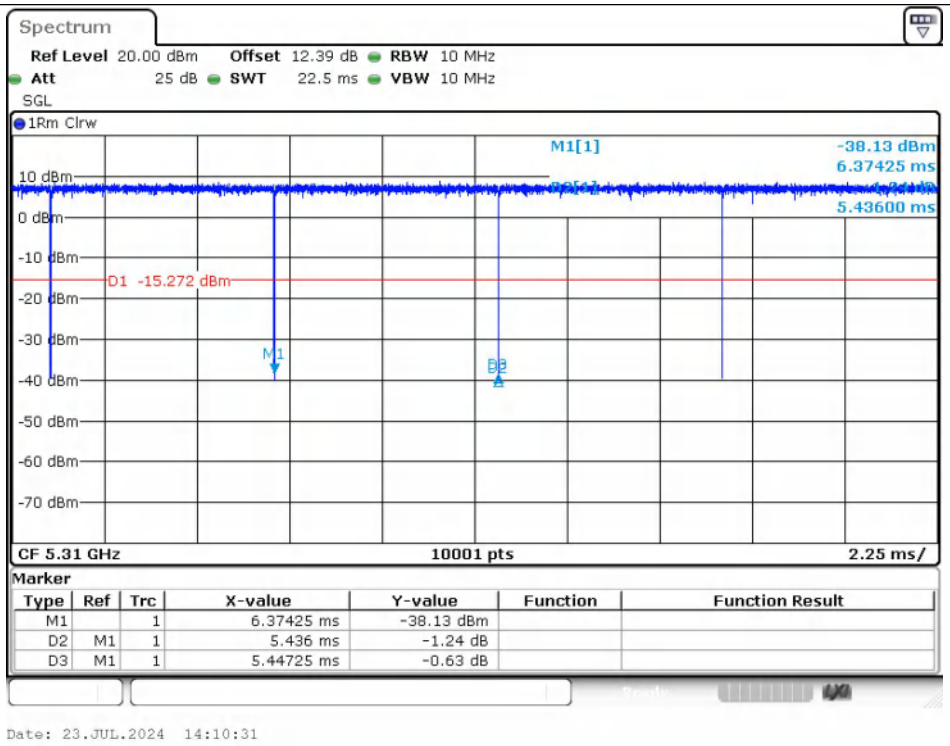
IEEE 802.11ac_20MHz_Channel 60



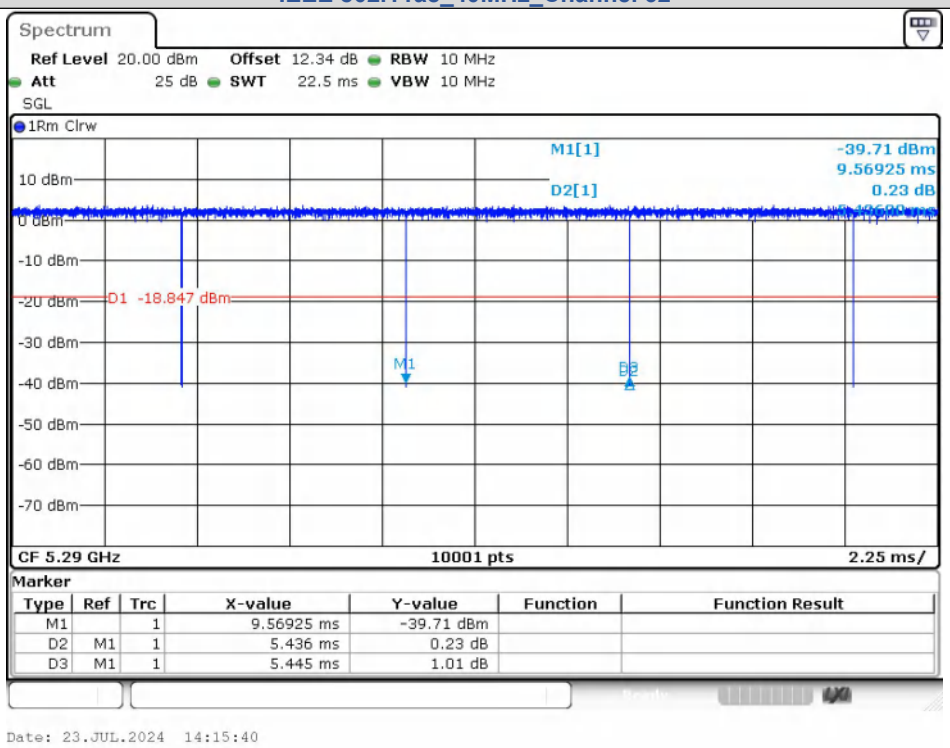
IEEE 802.11ac_20MHz_Channel 64



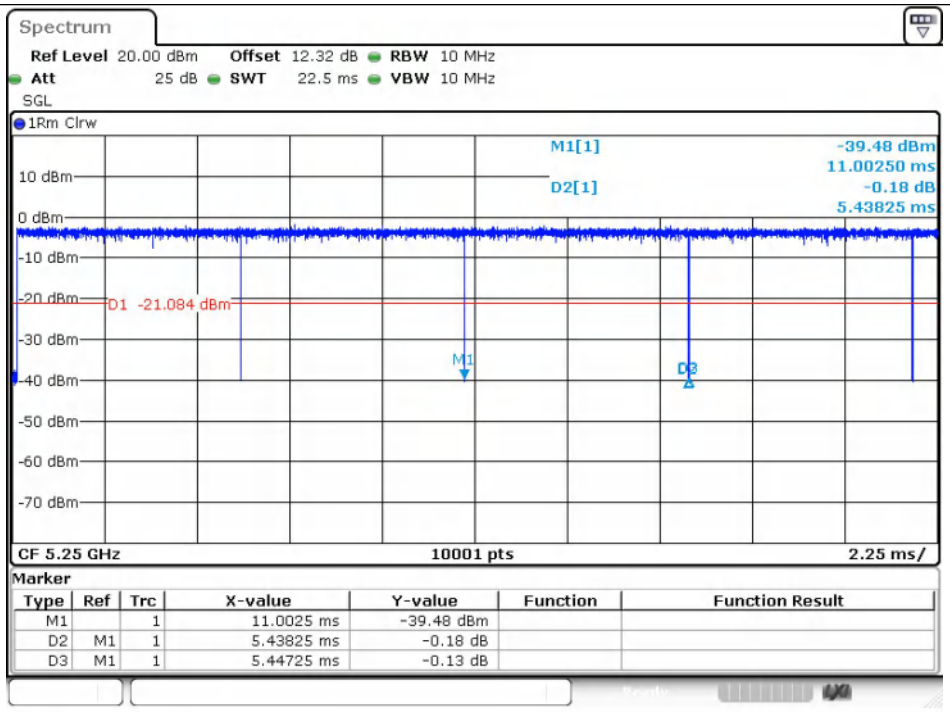
IEEE 802.11ac_40MHz_Channel 54



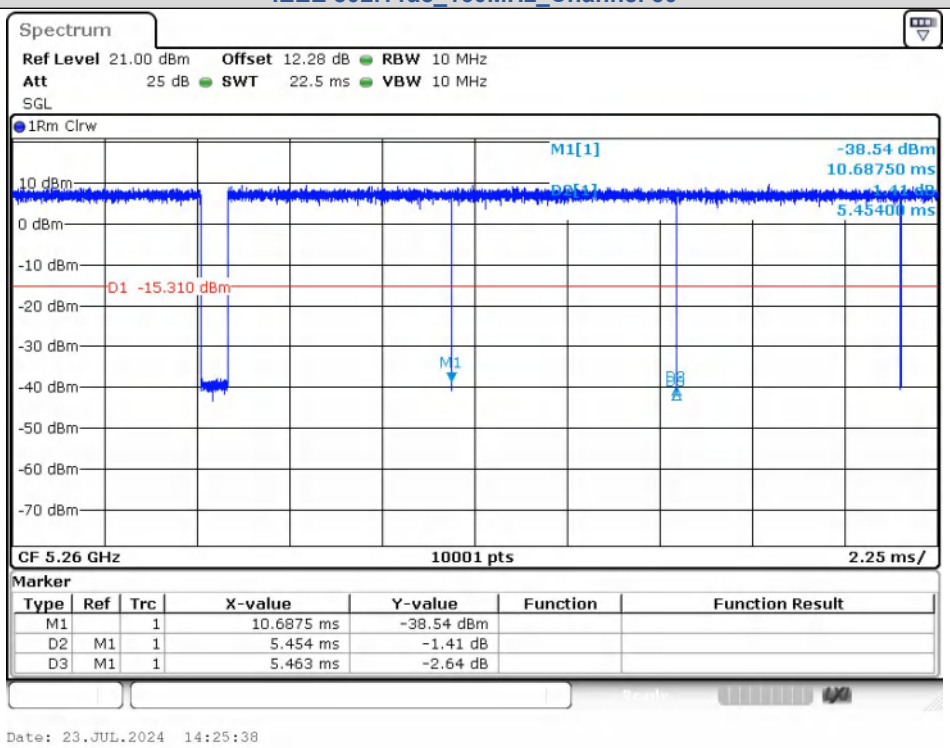
IEEE 802.11ac_40MHz_Channel 62



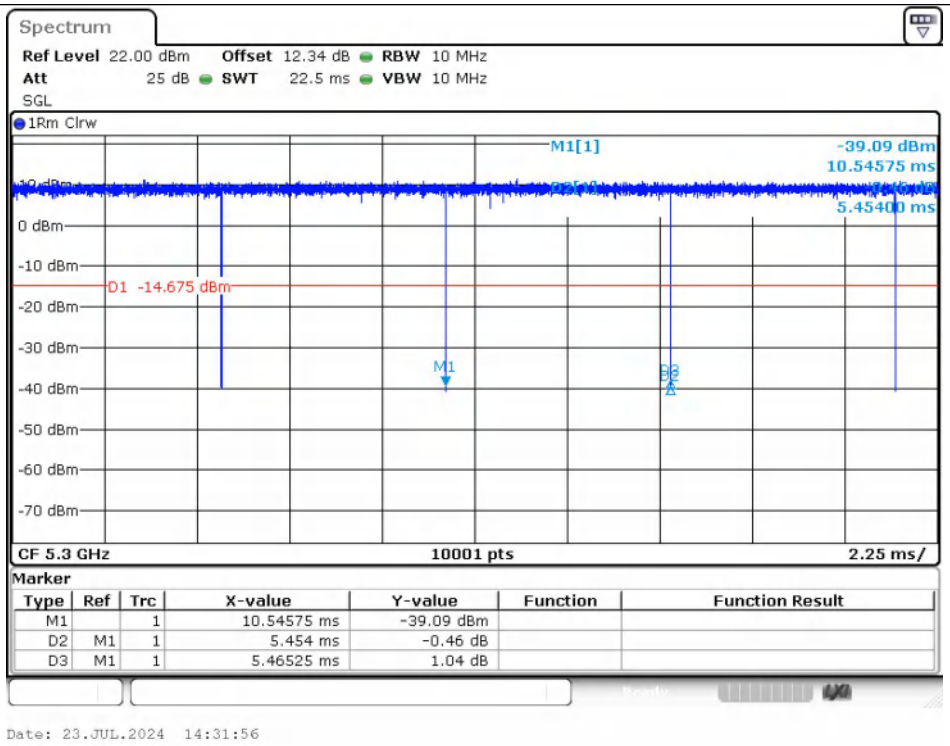
IEEE 802.11ac_80MHz_Channel 58



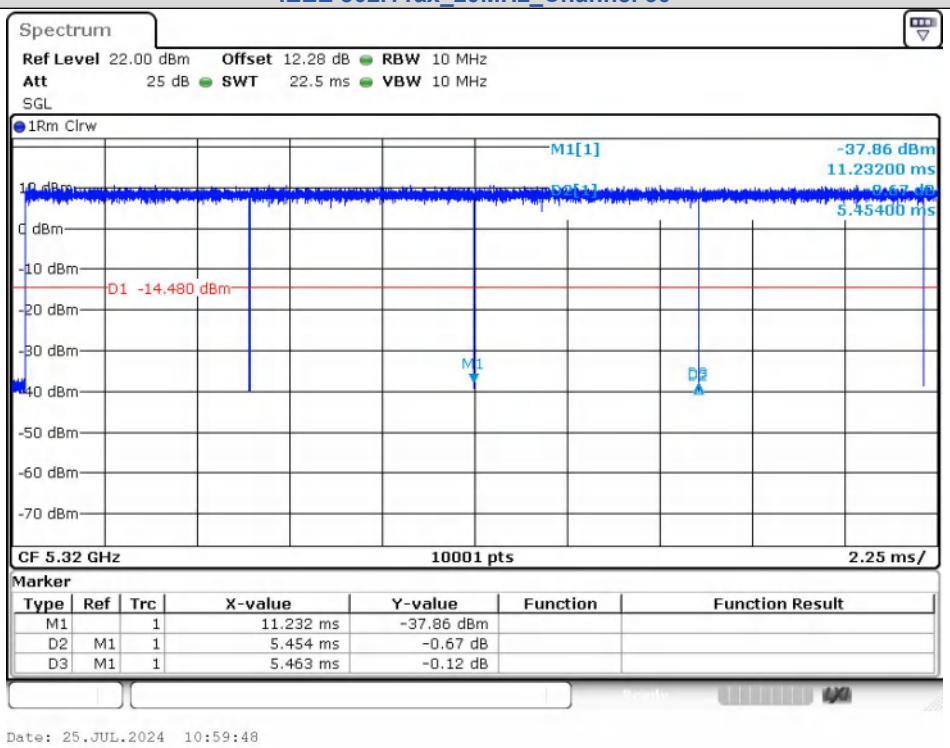
IEEE 802.11ac_160MHz_Channel 50



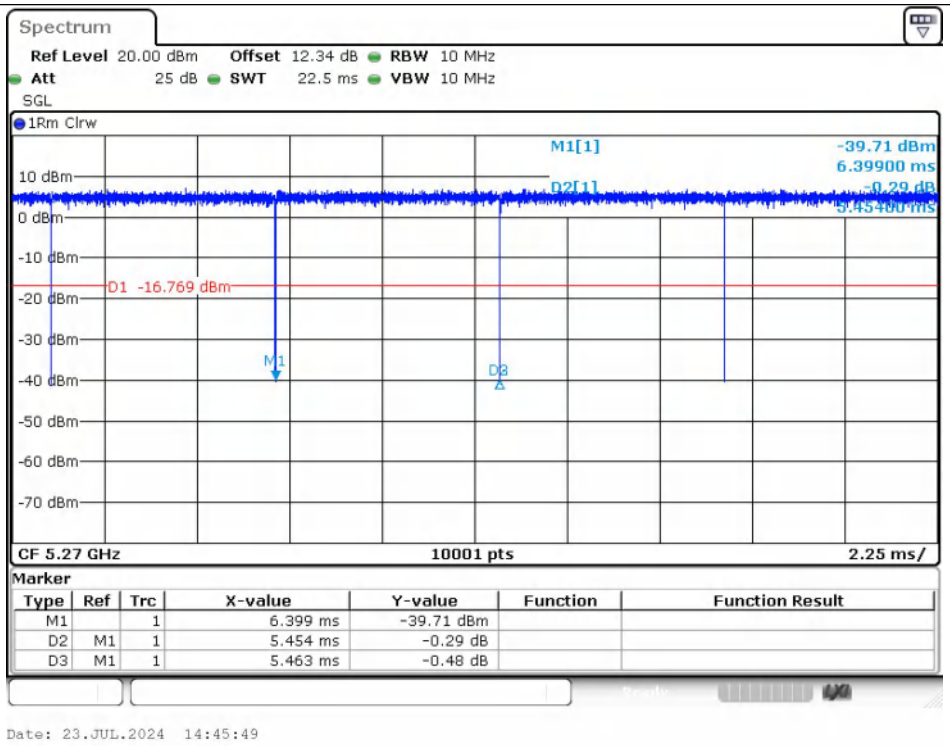
IEEE 802.11ax_20MHz_Channel 52



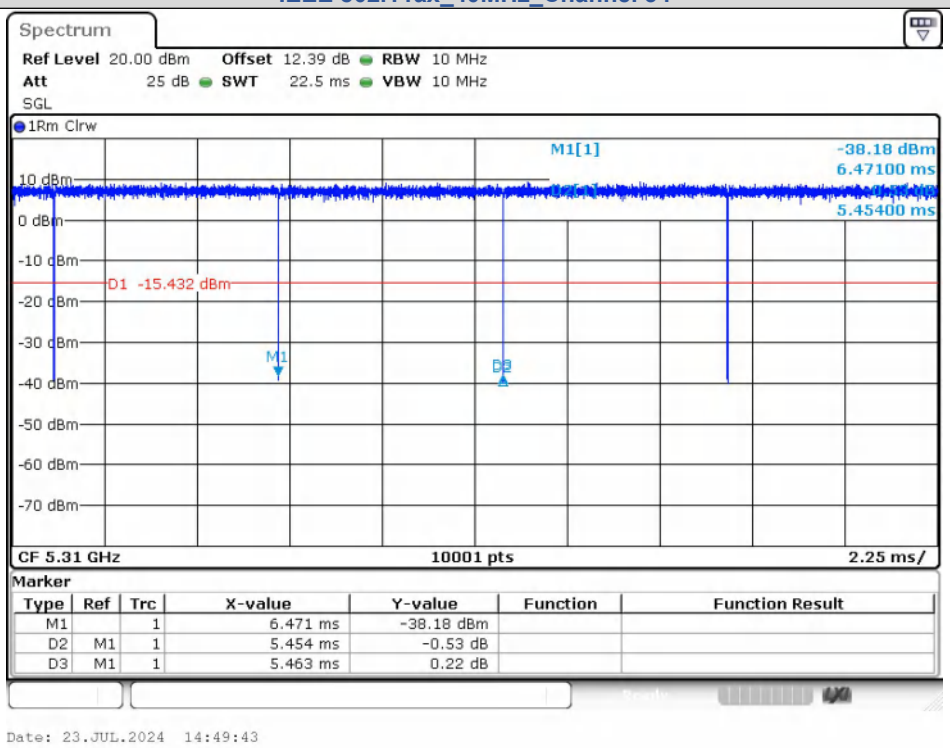
IEEE 802.11ax_20MHz_Channel 60



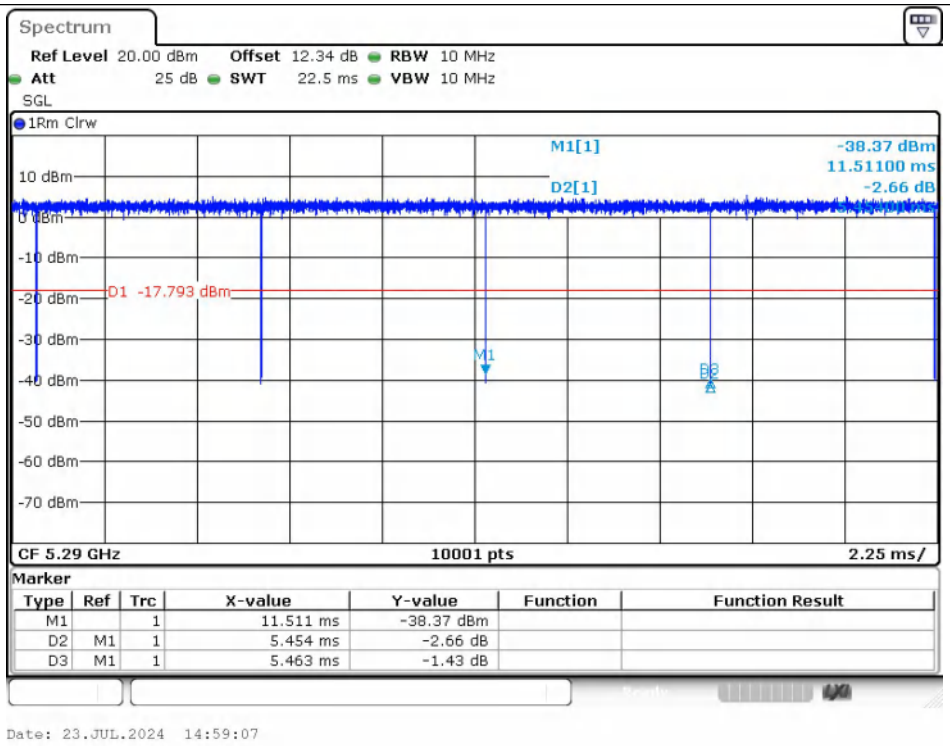
IEEE 802.11ax_20MHz_Channel 64



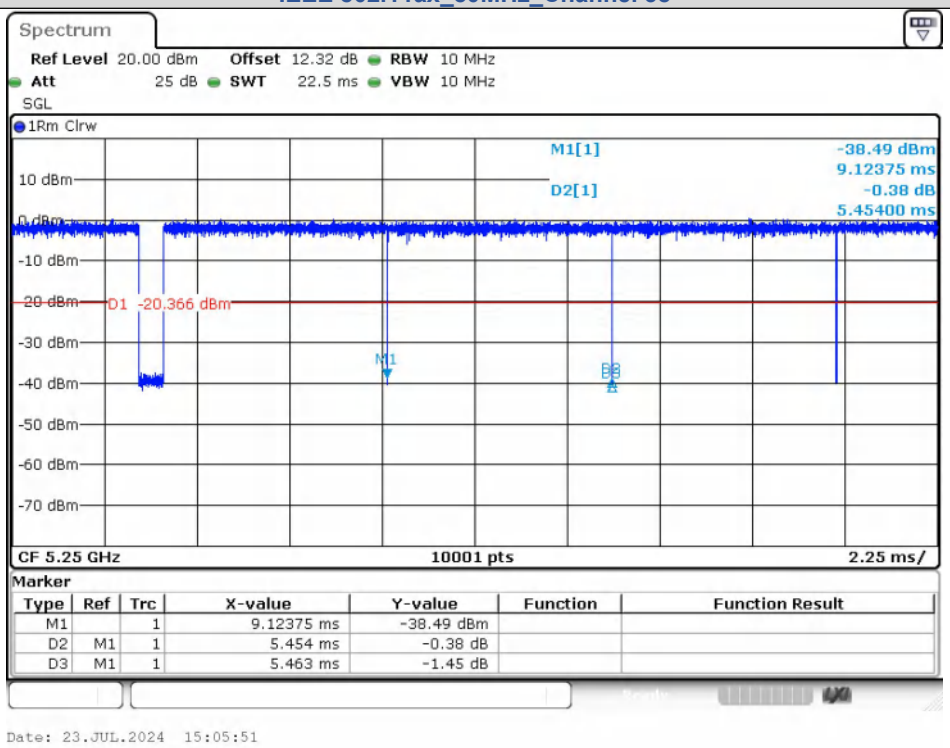
IEEE 802.11ax_40MHz_Channel 54



IEEE 802.11ax_40MHz_Channel 62



IEEE 802.11ax_80MHz_Channel 58



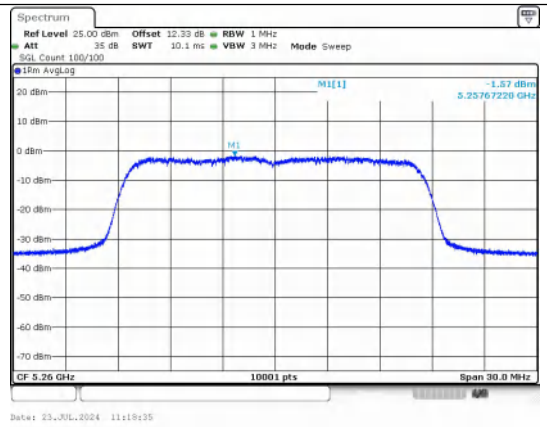
IEEE 802.11ax_160MHz_Channel 50

Power Spectral Density

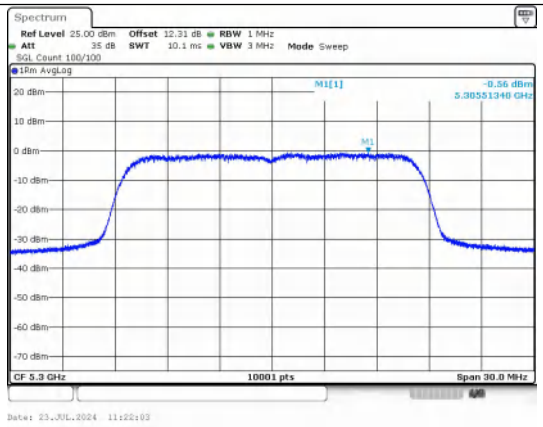
Test Result

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	52	N/A	-1.575	11	PASS
	60		-0.559		PASS
	64		2.072		PASS
IEEE 802.11n_20	52		-2.221		PASS
	60		-1.051		PASS
	64		1.551		PASS
IEEE 802.11n_40	54		-4.461		PASS
	62		-1.816		PASS
IEEE 802.11ac_20	52		-2.172		PASS
	60		-1.117		PASS
	64		1.066		PASS
IEEE 802.11ac_40	54		-5.069		PASS
	62		-1.991		PASS
IEEE 802.11ac_80	58		-7.227		PASS
IEEE 802.11ac_160	50		-11.509		PASS
IEEE 802.11ax_20	52	SU	-2.144		PASS
	60		-0.954		PASS
	64		1.127		PASS
IEEE 802.11ax_40	54		-4.931		PASS
	62		-2.150		PASS
IEEE 802.11ax_80	58		-6.021		PASS
IEEE 802.11ax_160	50		-10.328		PASS

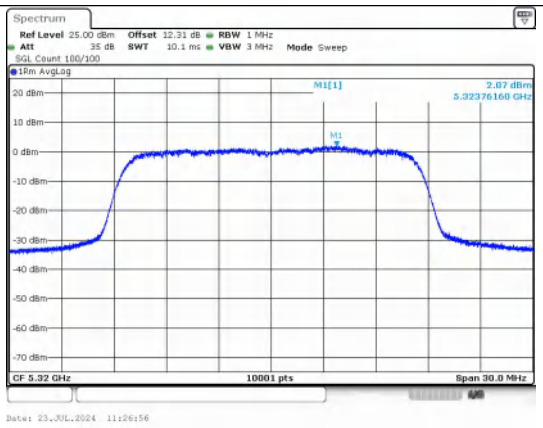
Test Graphs



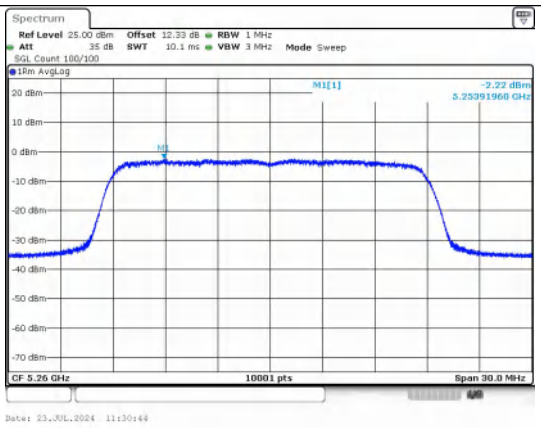
IEEE 802.11a_Channel 52_20MHz_Antenna 0



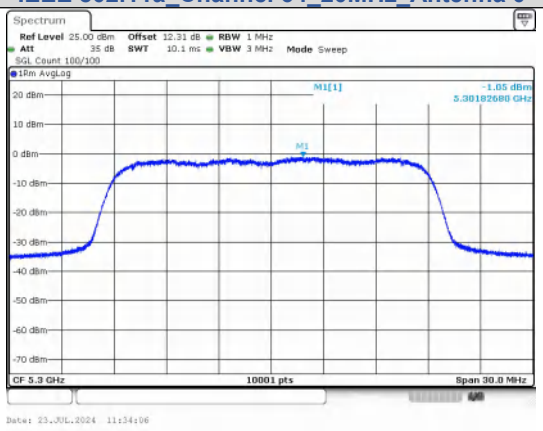
IEEE 802.11a_Channel 60_20MHz_Antenna 0



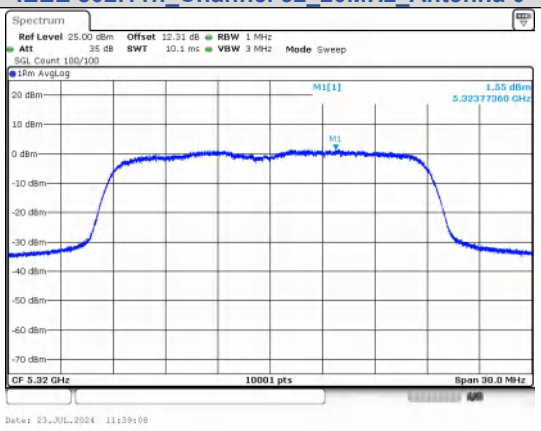
IEEE 802.11a_Channel 64_20MHz_Antenna 0



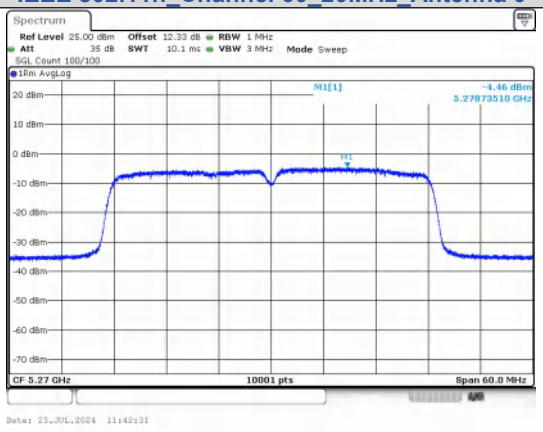
IEEE 802.11n_Channel 52_20MHz_Antenna 0



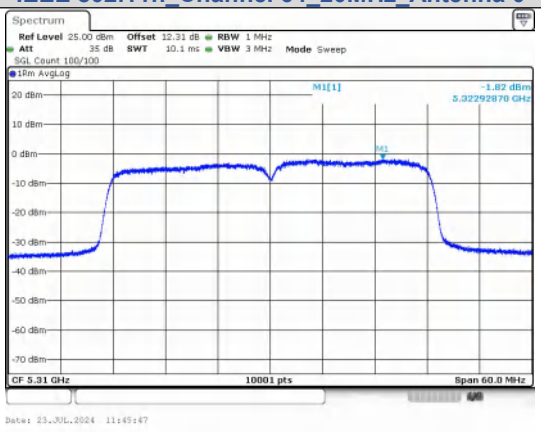
IEEE 802.11n_Channel 60_20MHz_Antenna 0



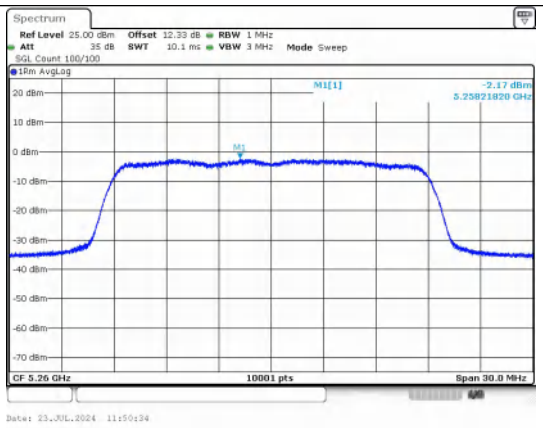
IEEE 802.11n_Channel 64_20MHz_Antenna 0



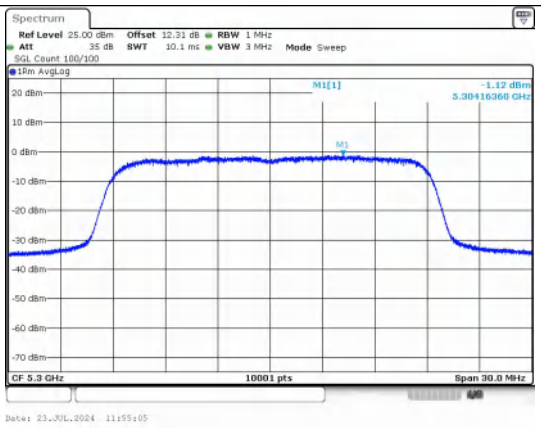
IEEE 802.11n_Channel 54_40MHz_Antenna 0



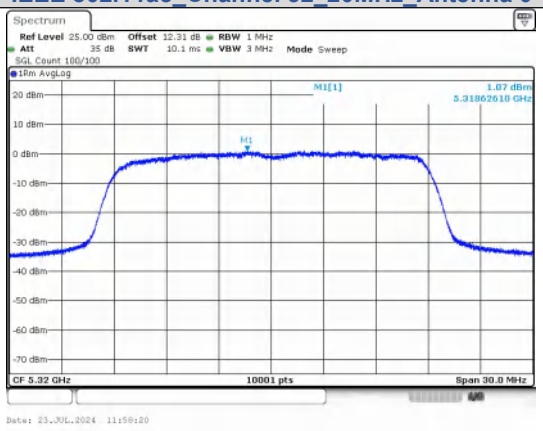
IEEE 802.11n_Channel 62_40MHz_Antenna 0



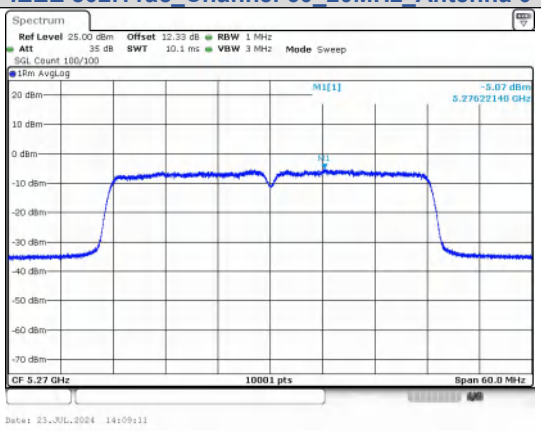
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



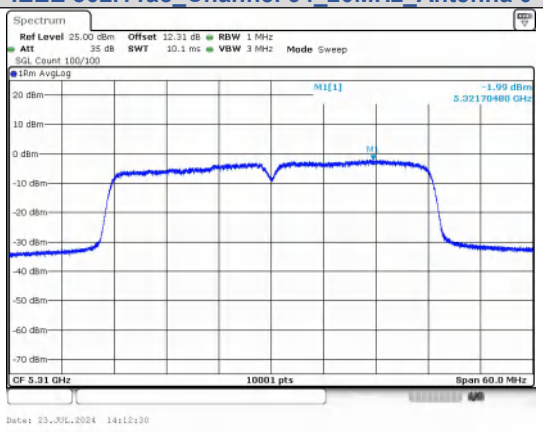
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



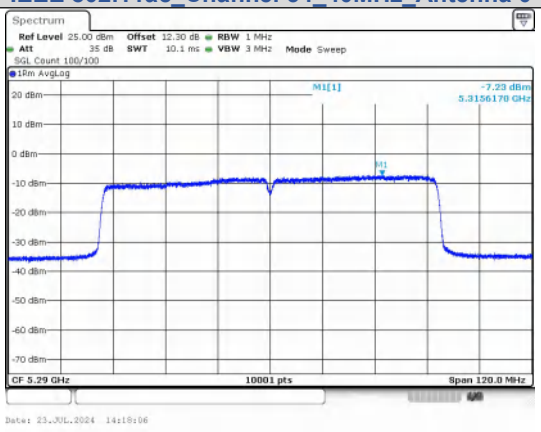
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



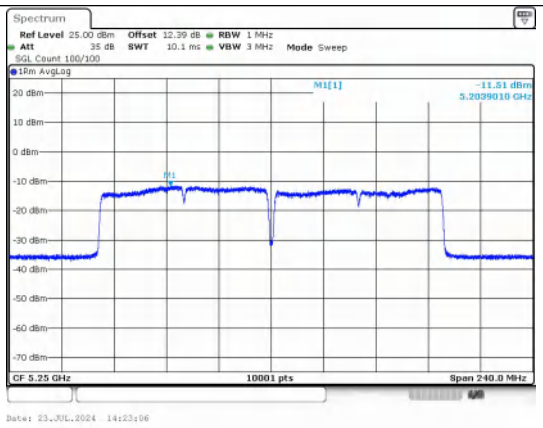
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



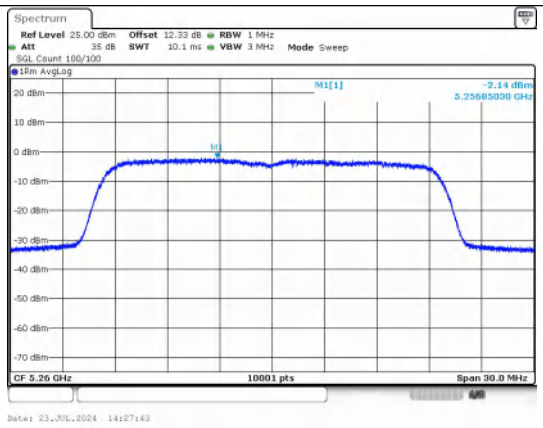
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



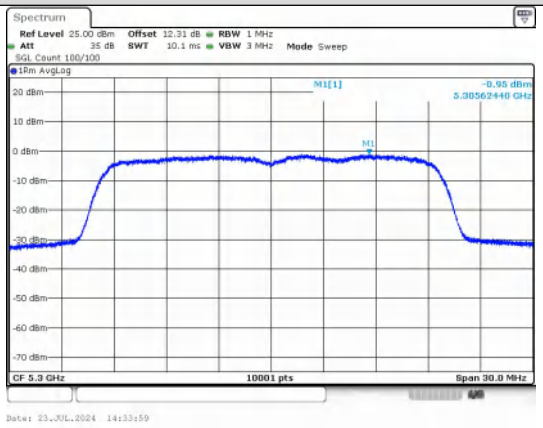
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



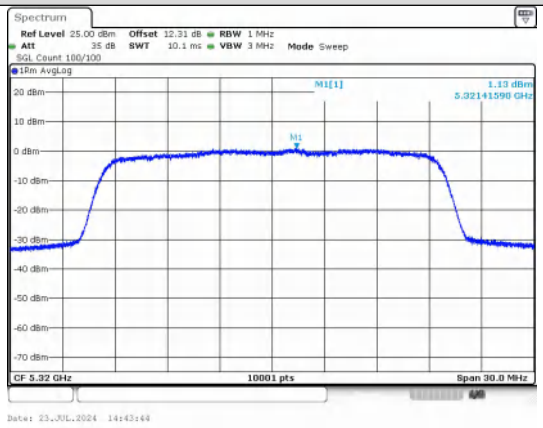
IEEE 802.11ac_Channel 50_160MHz_Antenna 0



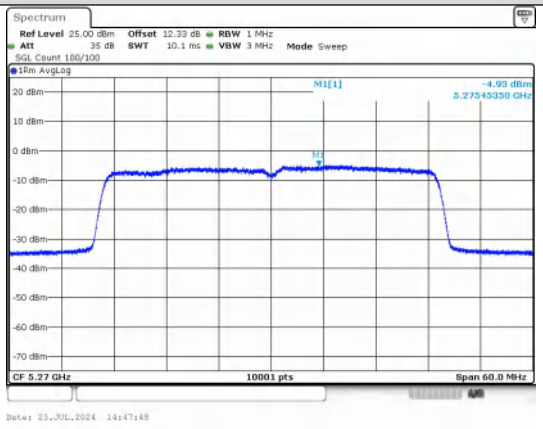
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



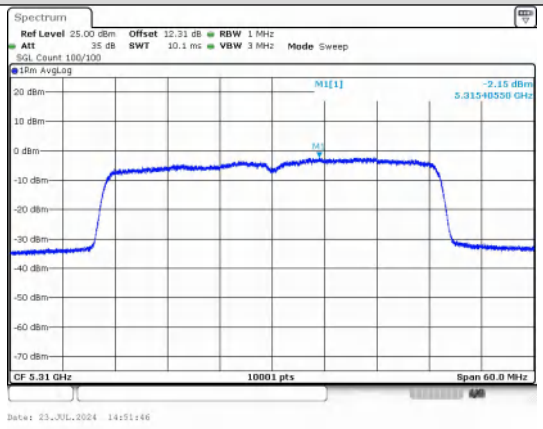
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



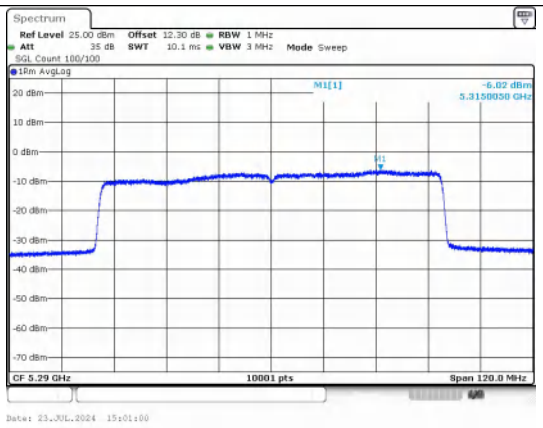
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



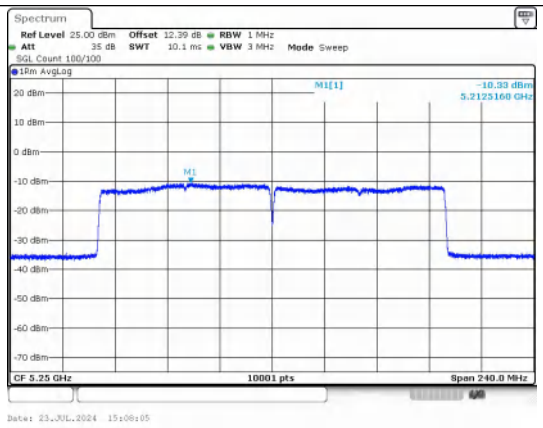
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 50_160MHz_Antenna 0_RU&Index SU