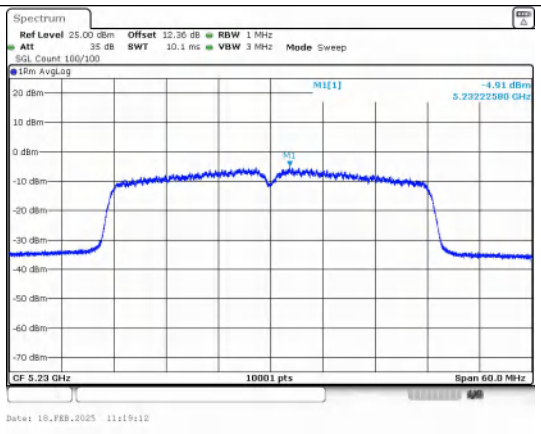
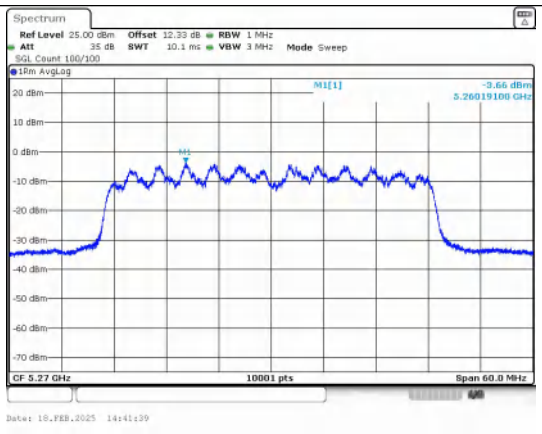
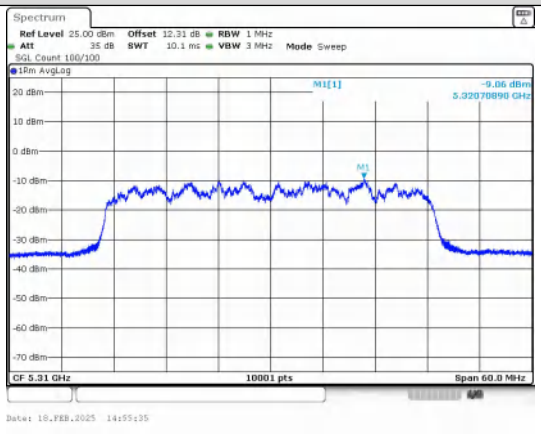


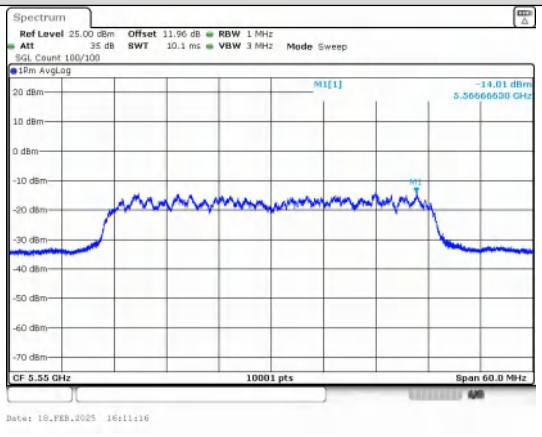
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



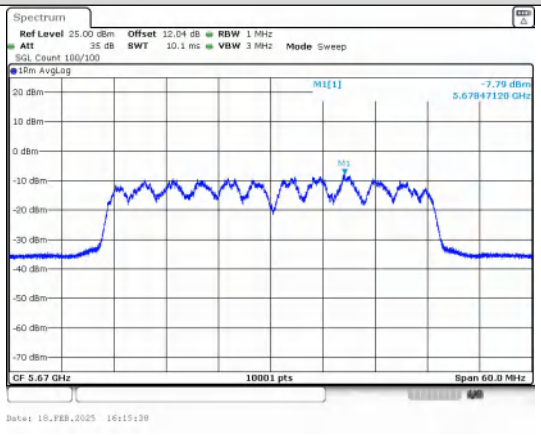
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



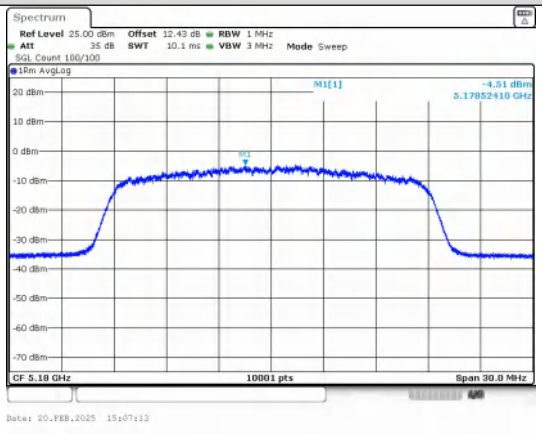
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



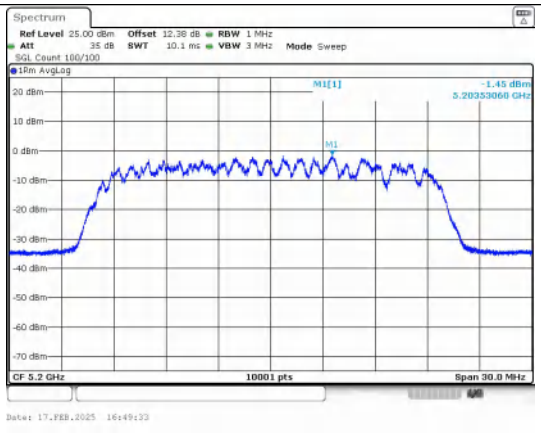
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



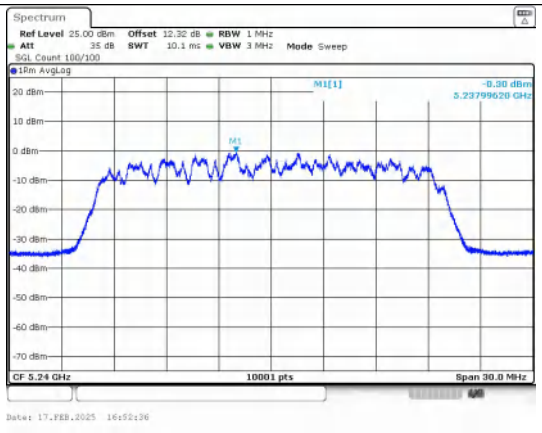
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



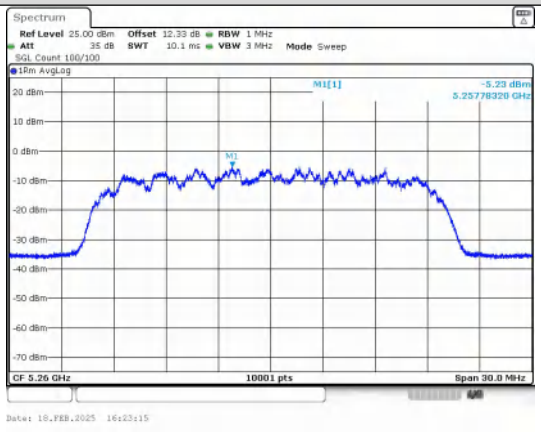
IEEE 802.11ax_Channel 36_20MHz_Antenna 0_RU&Index SU



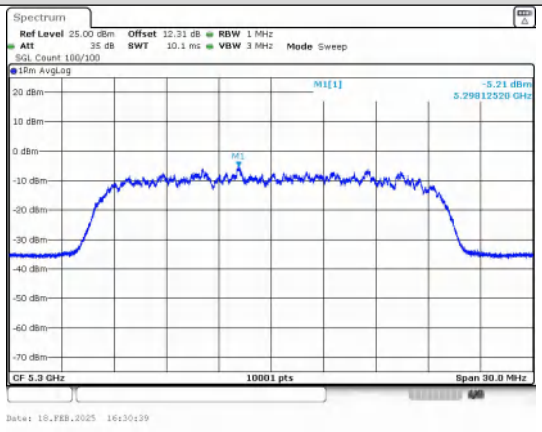
IEEE 802.11ax_Channel 40_20MHz_Antenna 0_RU&Index SU



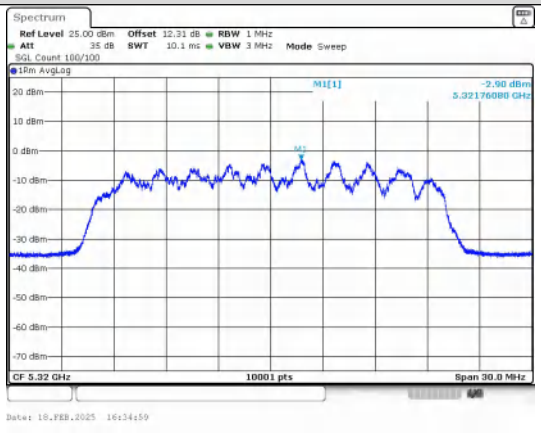
IEEE 802.11ax_Channel 48_20MHz_Antenna 0_RU&Index SU



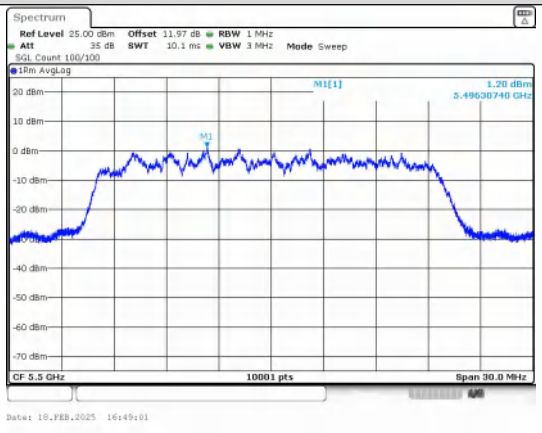
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



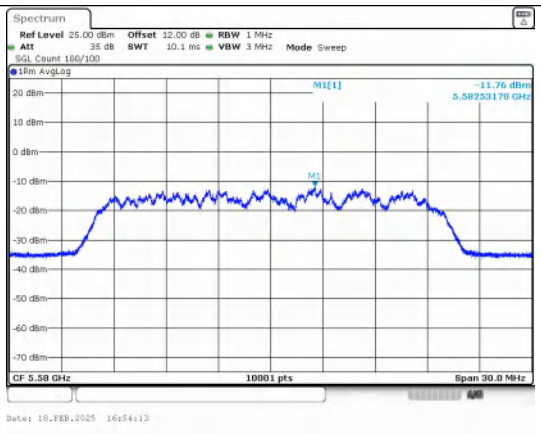
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



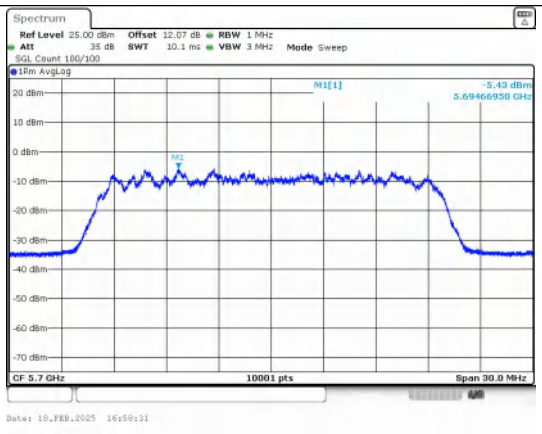
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



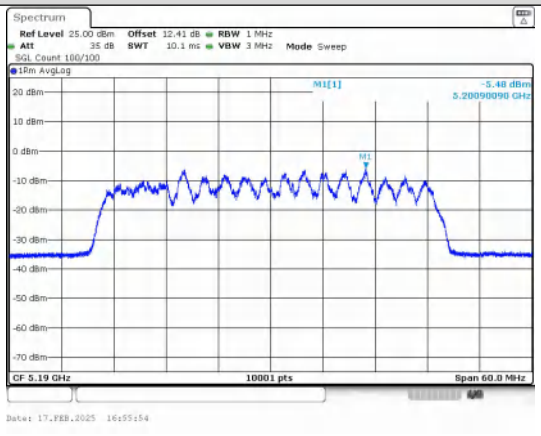
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



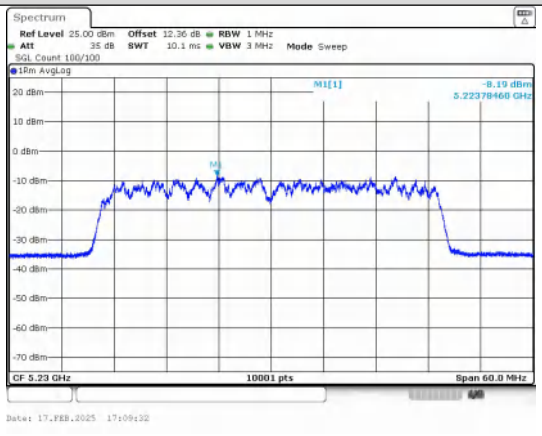
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



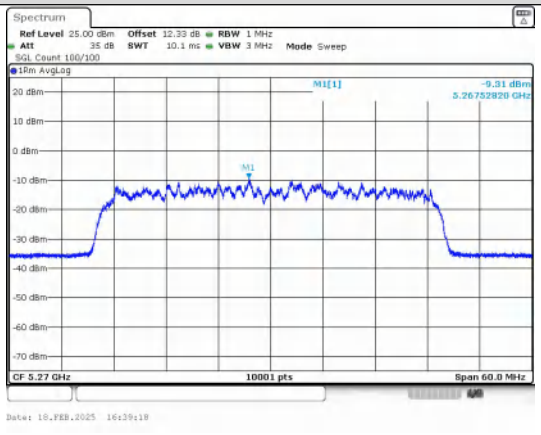
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



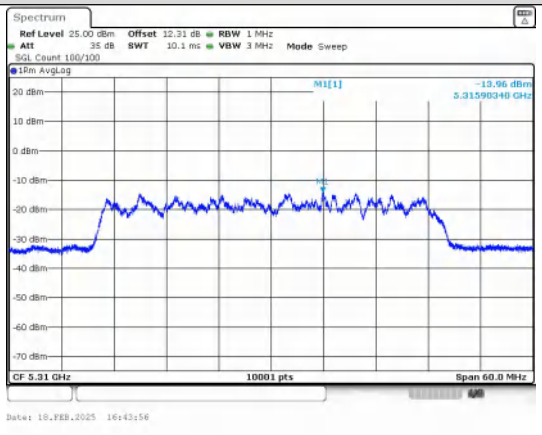
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



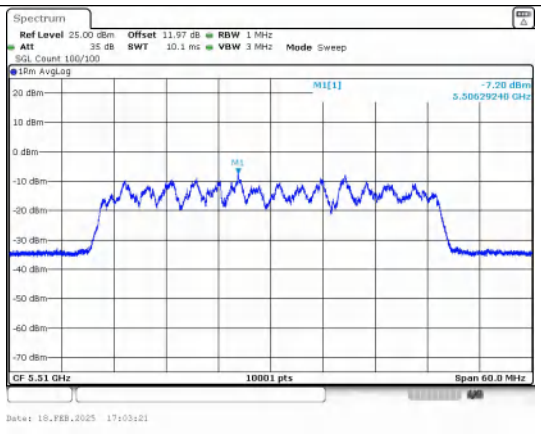
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



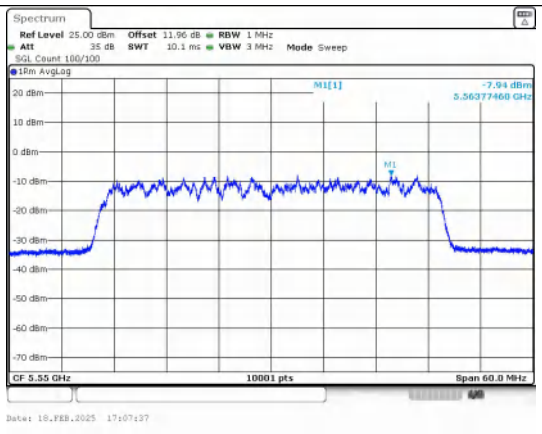
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



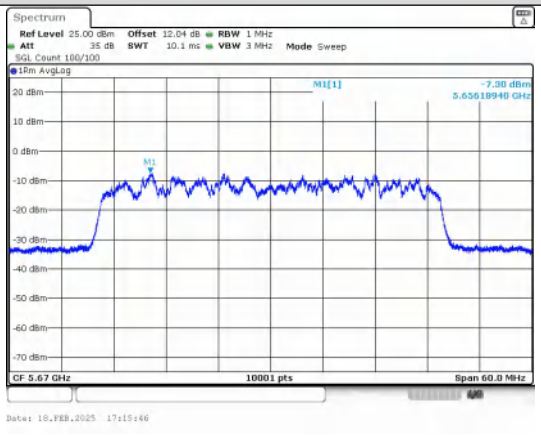
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



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

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	10.998	11.37	≤24	PASS
	40		12.516	12.89	≤24	PASS
	48		11.865	12.23	≤24	PASS
	52		12.443	12.81	≤24	PASS
	60		12.230	12.6	≤24	PASS
	64		13.821	14.19	≤24	PASS
	100		16.210	16.58	≤24	PASS
	116		10.144	10.51	≤24	PASS
	140		10.058	10.43	≤24	PASS
IEEE 802.11n_20	36		7.763	8.63	≤24	PASS
	40		7.893	8.76	≤24	PASS
	48		-3.435	-2.57	≤24	PASS
	52		7.101	7.96	≤24	PASS
	60		5.370	6.23	≤24	PASS
	64		5.461	6.32	≤24	PASS
	100		6.402	7.26	≤24	PASS
	116		3.672	4.53	≤24	PASS
	140		1.345	2.21	≤24	PASS
IEEE 802.11n_40	38		7.018	8.36	≤24	PASS
	46		8.580	9.93	≤24	PASS
	54		5.825	7.17	≤24	PASS
	62		10.262	11.61	≤24	PASS
	110		1.517	2.86	≤24	PASS
	134		-0.447	0.9	≤24	PASS

IEEE 802.11ac_20	36		8.871	9.16	≤24	PASS
	40		8.991	9.28	≤24	PASS
	48		6.430	6.72	≤24	PASS
	52		10.729	11.02	≤24	PASS
	60		8.961	9.25	≤24	PASS
	64		15.640	15.93	≤24	PASS
	100		12.202	12.49	≤24	PASS
	116		7.547	7.83	≤24	PASS
	140		15.573	15.86	≤24	PASS
IEEE 802.11ac_40	38		6.168	7.5	≤24	PASS
	46		7.033	8.36	≤24	PASS
	54		8.052	9.38	≤24	PASS
	62		3.769	5.1	≤24	PASS
	110		7.748	9.08	≤24	PASS
	134		0.648	1.98	≤24	PASS
IEEE 802.11ax_20	52	SU	4.821	4.93	≤24	PASS
	60		1.236	1.34	≤24	PASS
	64		1.999	2.11	≤24	PASS
	100		10.286	10.39	≤24	PASS
	116		-0.601	-0.49	≤24	PASS
	140		4.181	4.29	≤24	PASS
IEEE 802.11ax_40	54		-0.483	1.62	≤24	PASS
	62		2.660	4.77	≤24	PASS
	102		4.580	6.69	≤24	PASS
	110		-1.124	0.98	≤24	PASS
	134		5.215	7.32	≤24	PASS

6dB Bandwidth

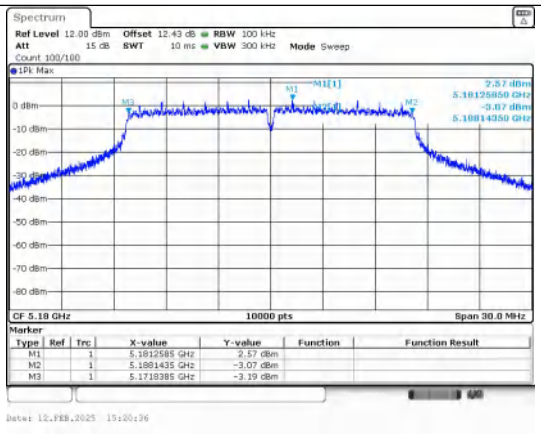
Test Result

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	16.29		PASS
	48			5240	16.31		PASS
	52			5260	16.30		PASS
	60			5300	16.28		PASS
	64			5320	16.30		PASS
	100			5500	16.33		PASS
	116			5580	16.35		PASS
	140			5700	16.32		PASS
IEEE 802.11n_20	36			5180	17.67		PASS
	40			5200	17.65		PASS
	48			5240	17.66		PASS
	52			5260	17.64		PASS
	60			5300	17.63		PASS
	64			5320	17.66		PASS
	100			5500	17.68		PASS
	116			5580	17.72		PASS
	140			5700	17.71		PASS
IEEE 802.11n_40	38			5190	33.81		PASS
	46			5230	36.16		PASS
	54			5270	35.80		PASS
	62			5310	35.65		PASS
	110			5550	36.32		PASS

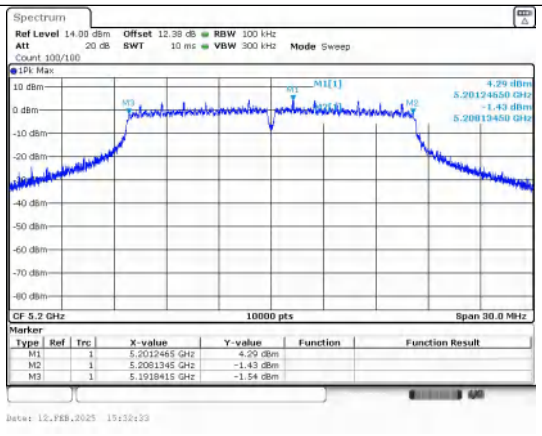
	134			5670	36.34		PASS
IEEE 802.11ac_20	36			5180	15.09		PASS
	40			5200	15.09		PASS
	48			5240	15.06		PASS
	52			5260	15.10		PASS
	60			5300	14.96		PASS
	64			5320	16.99		PASS
	100			5500	15.39		PASS
	116			5580	15.40		PASS
	140			5700	17.57		PASS
IEEE 802.11ac_40	38			5190	35.05		PASS
	46			5230	35.06		PASS
	54			5270	36.19		PASS
	62			5310	36.24		PASS
	110			5550	36.38		PASS
	134			5670	36.35		PASS
IEEE 802.11ax_20	36	SU		5180	15.08		PASS
	40			5200	17.57		PASS
	48			5240	17.67		PASS
	52			5260	18.64		PASS
	60			5300	17.84		PASS
	64			5320	18.05		PASS
	100			5500	18.90		PASS
	116			5580	18.88		PASS
	140			5700	18.95		PASS
IEEE 802.11ax_40	38			5190	36.61		PASS
	46			5230	36.36		PASS
	54			5270	36.07		PASS

	62			5310	36.25		PASS
	102			5510	37.66		PASS
	110			5550	37.98		PASS
	134			5670	37.55		PASS

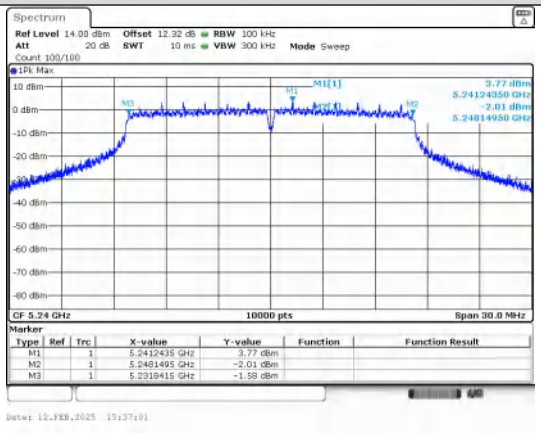
Test Graphs



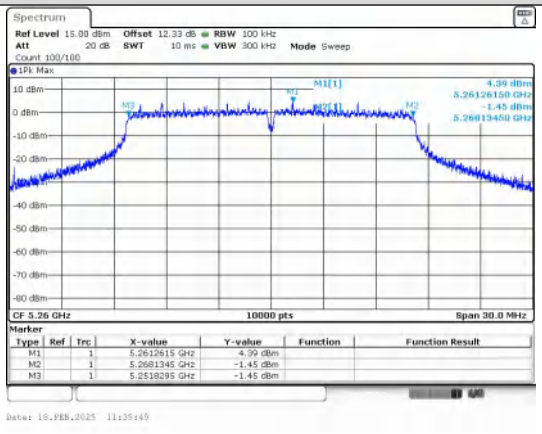
IEEE 802.11a_Channel 36_20MHz_Antenna 0



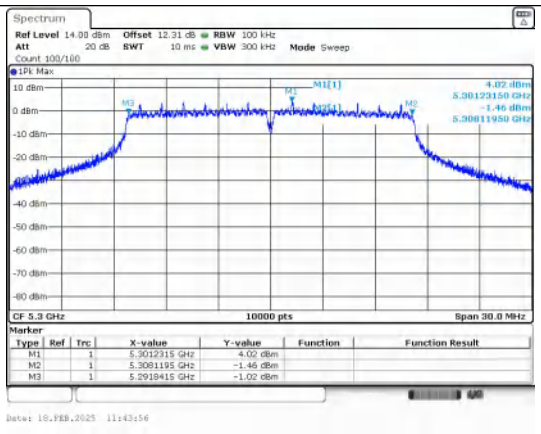
IEEE 802.11a_Channel 40_20MHz_Antenna 0



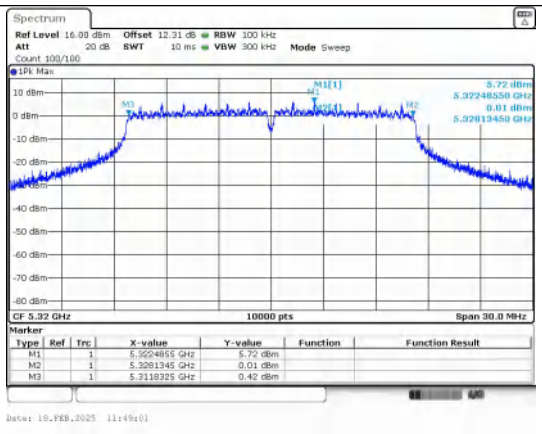
IEEE 802.11a_Channel 48_20MHz_Antenna 0



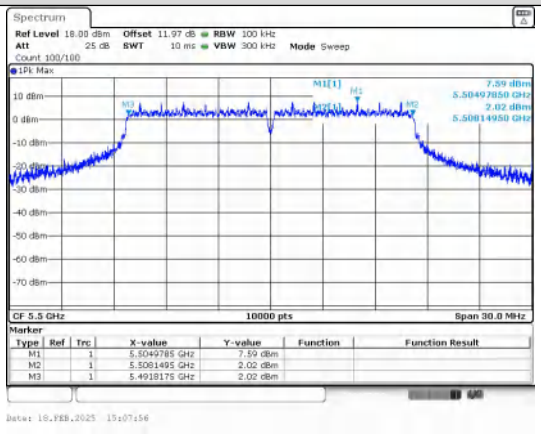
IEEE 802.11a_Channel 52_20MHz_Antenna 0



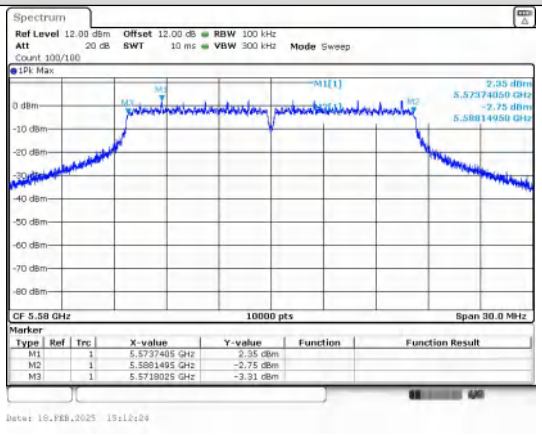
IEEE 802.11a_Channel 60_20MHz_Antenna 0



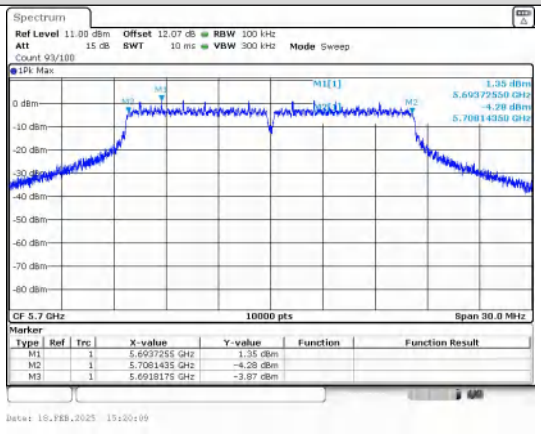
IEEE 802.11a_Channel 64_20MHz_Antenna 0



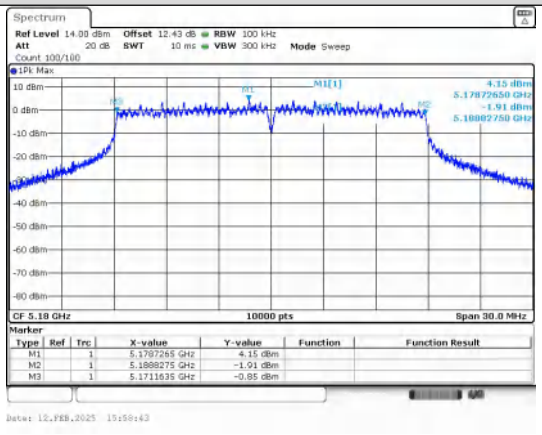
IEEE 802.11a_Channel 100_20MHz_Antenna 0



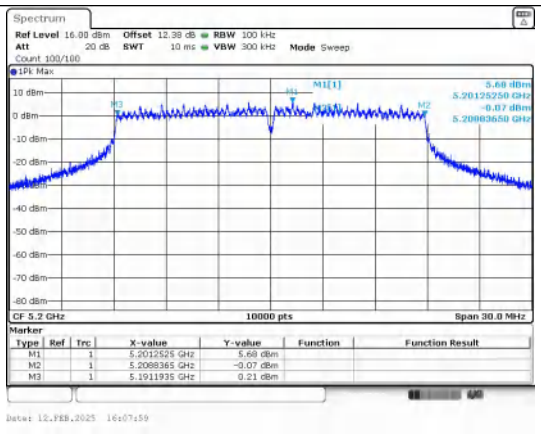
IEEE 802.11a_Channel 116_20MHz_Antenna 0



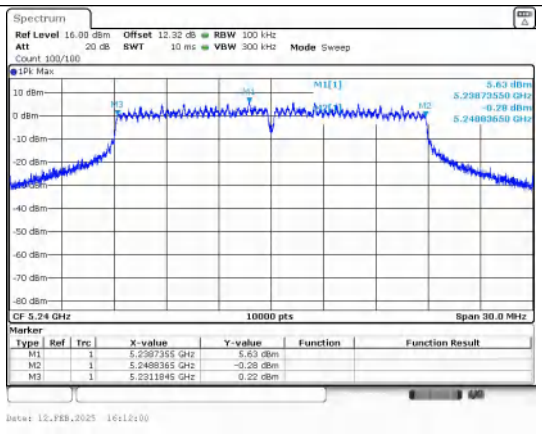
IEEE 802.11a_Channel 140_20MHz_Antenna 0



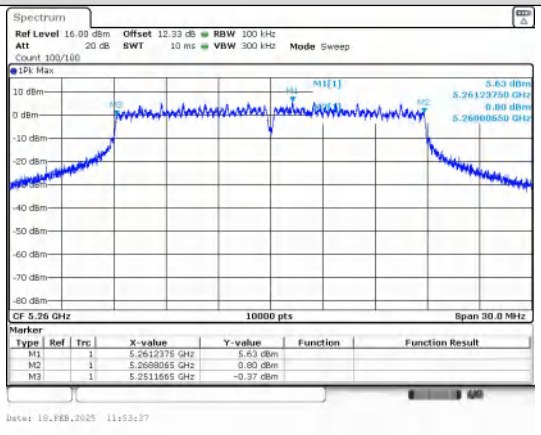
IEEE 802.11n_Channel 36_20MHz_Antenna 0



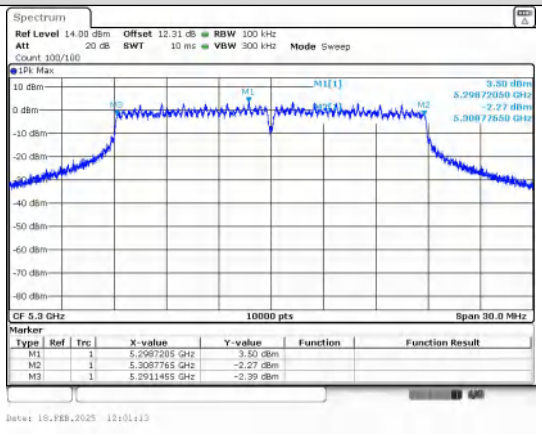
IEEE 802.11n_Channel 40_20MHz_Antenna 0



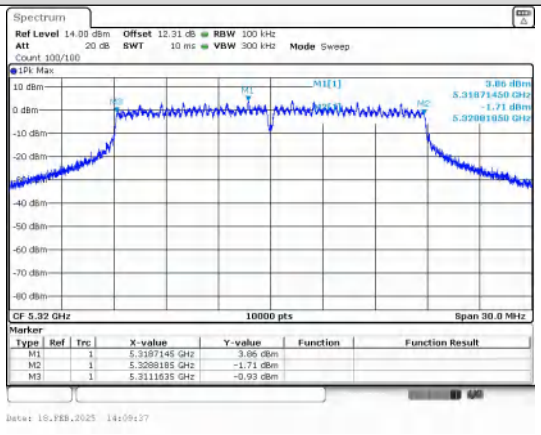
IEEE 802.11n_Channel 48_20MHz_Antenna 0



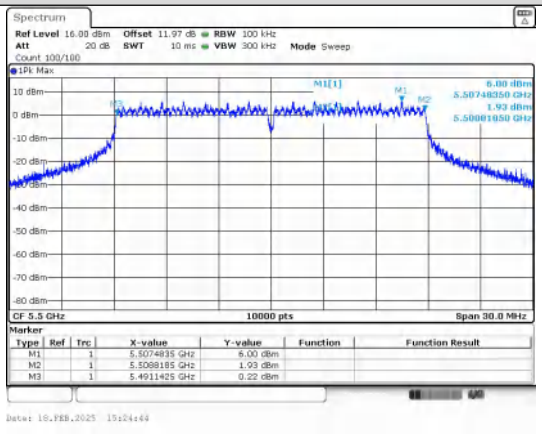
IEEE 802.11n_Channel 52_20MHz_Antenna 0



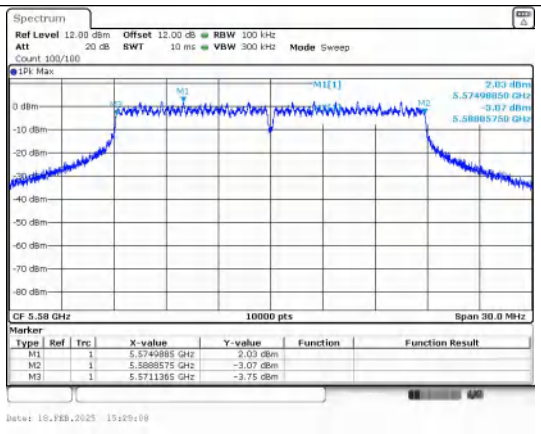
IEEE 802.11n_Channel 60_20MHz_Antenna 0



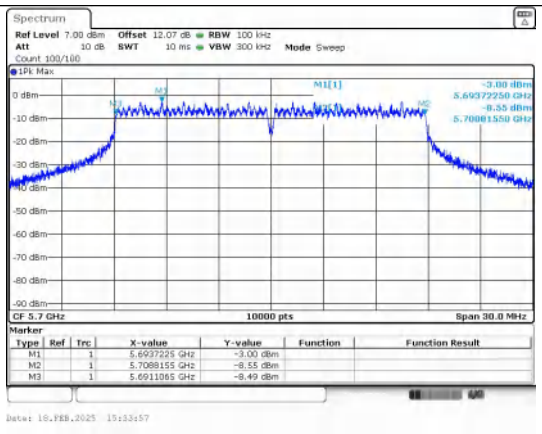
IEEE 802.11n_Channel 64_20MHz_Antenna 0



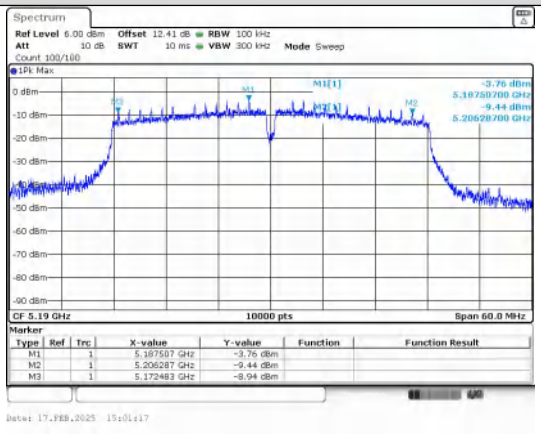
IEEE 802.11n_Channel 100_20MHz_Antenna 0



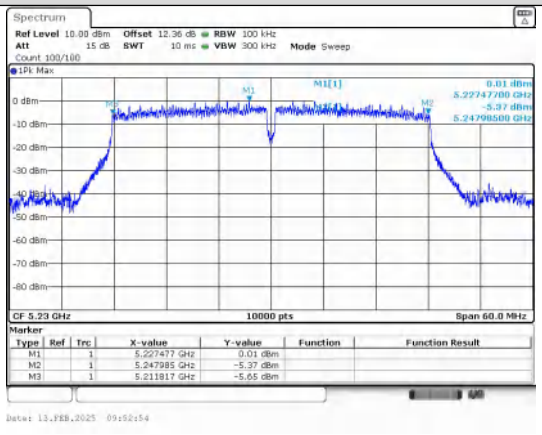
IEEE 802.11n_Channel 116_20MHz_Antenna 0



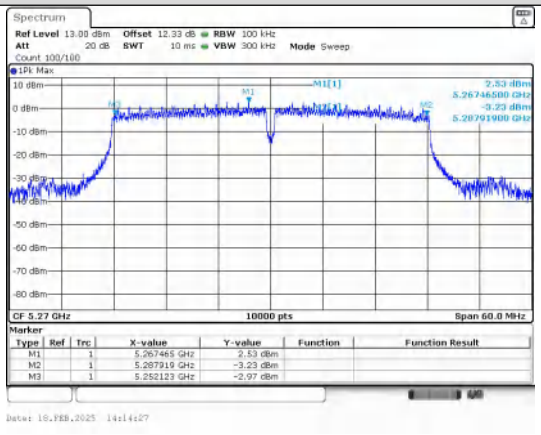
IEEE 802.11n_Channel 140_20MHz_Antenna 0



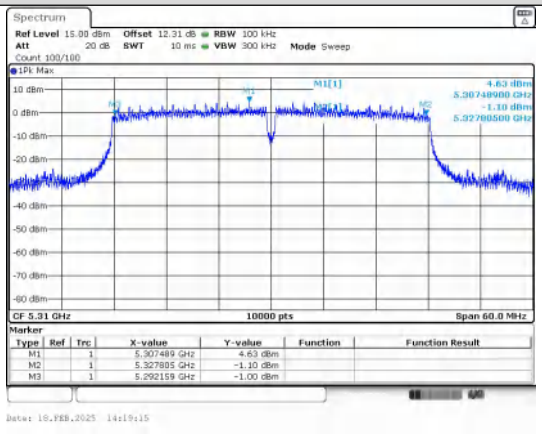
IEEE 802.11n_Channel 38_40MHz_Antenna 0



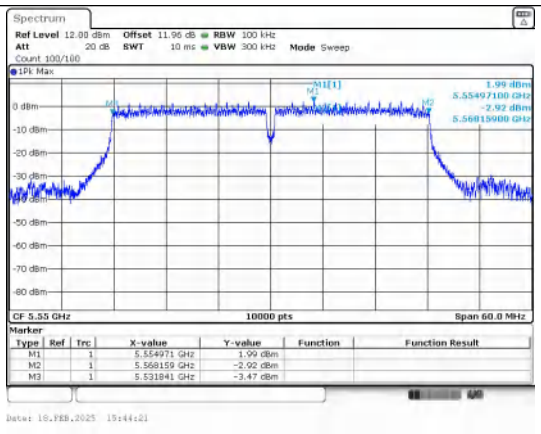
IEEE 802.11n_Channel 46_40MHz_Antenna 0



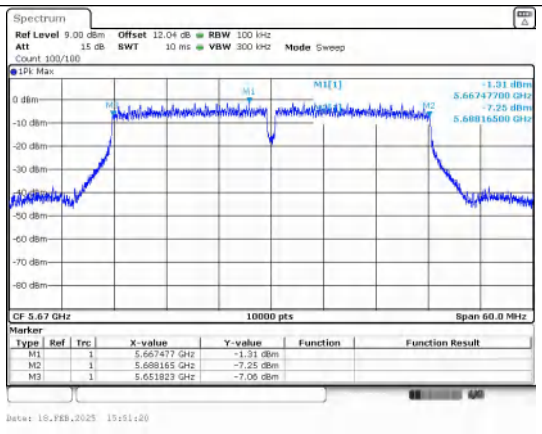
IEEE 802.11n_Channel 54_40MHz_Antenna 0



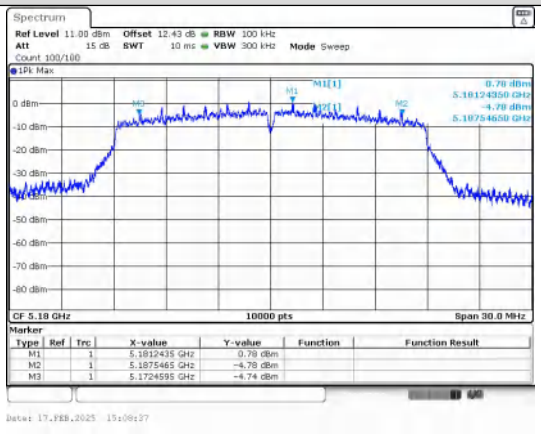
IEEE 802.11n_Channel 62_40MHz_Antenna 0



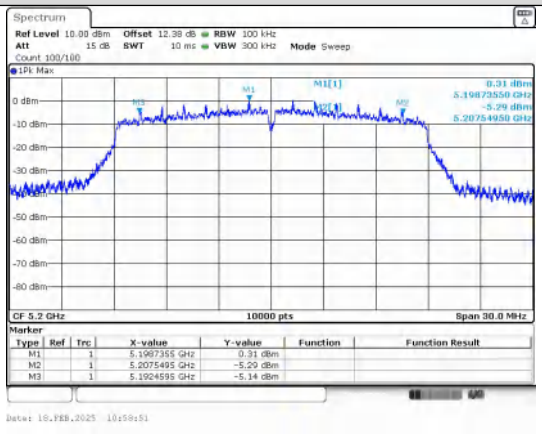
IEEE 802.11n_Channel 110_40MHz_Antenna 0



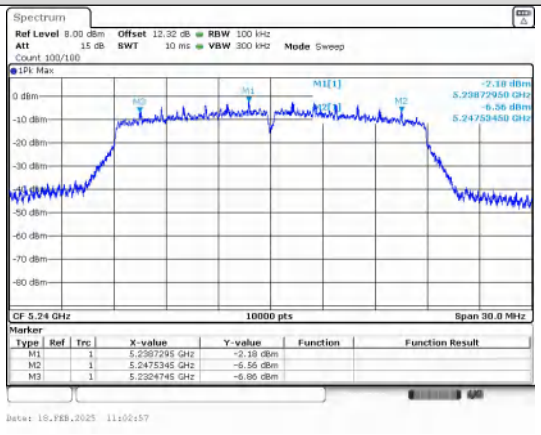
IEEE 802.11n_Channel 134_40MHz_Antenna 0



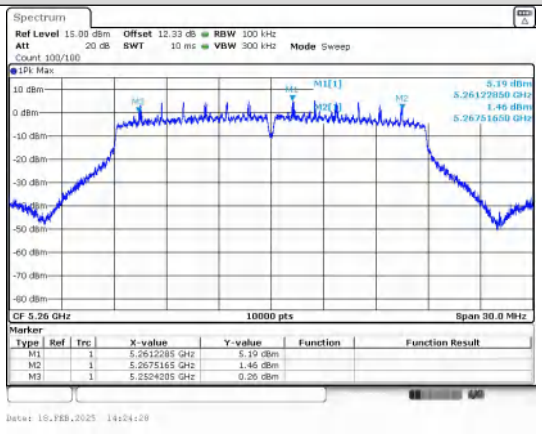
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



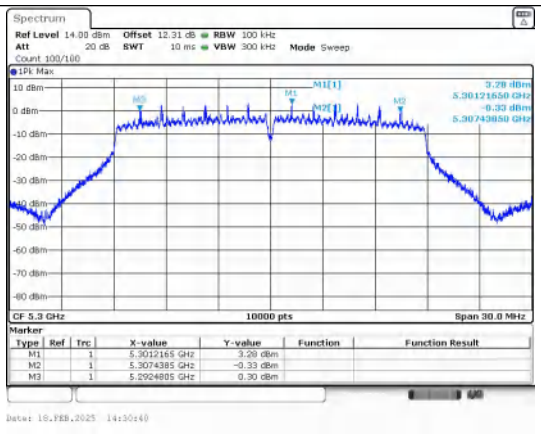
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



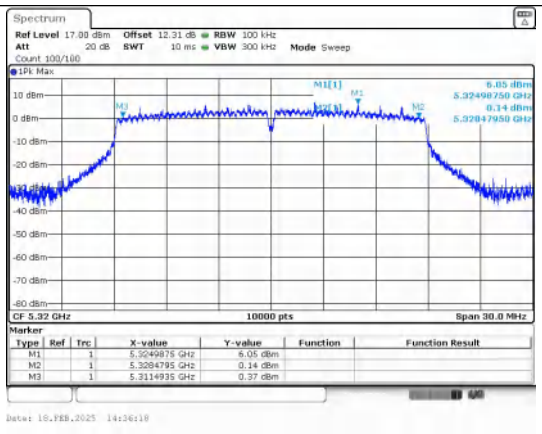
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



IEEE 802.11ac_Channel 52_20MHz_Antenna 0



IEEE 802.11ac_Channel 60_20MHz_Antenna 0



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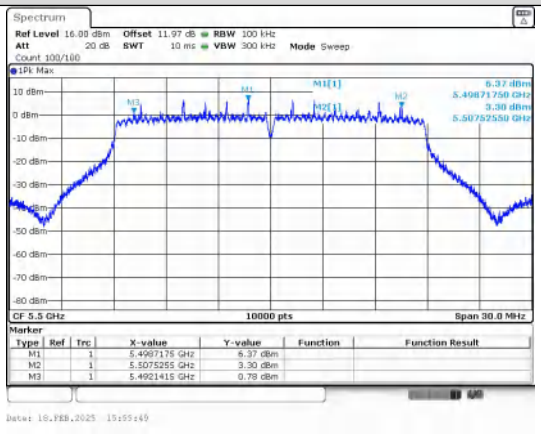
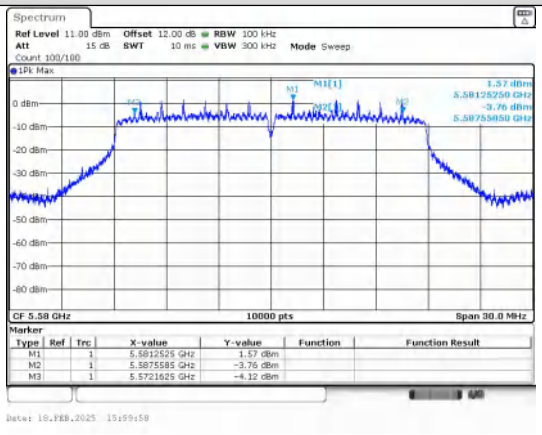


IEEE 802.11ac_Channel 100_20MHz_Antenna 0



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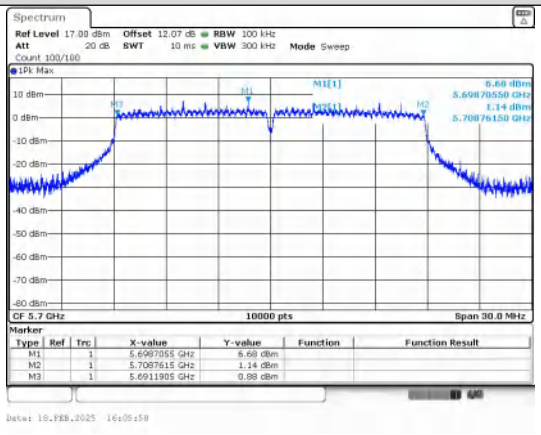
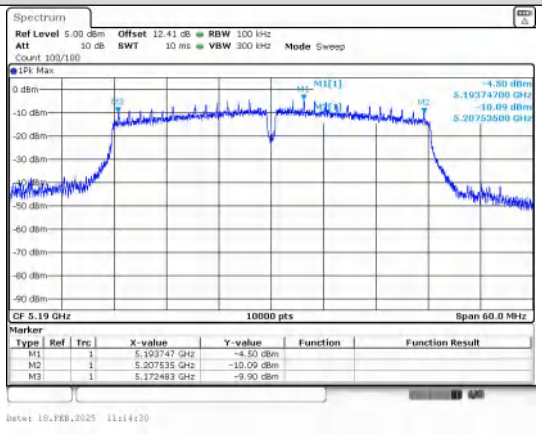
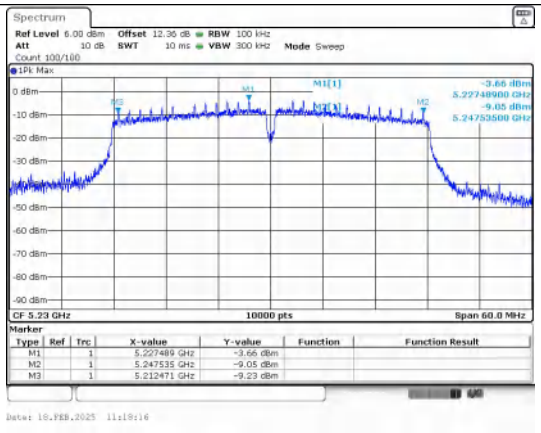


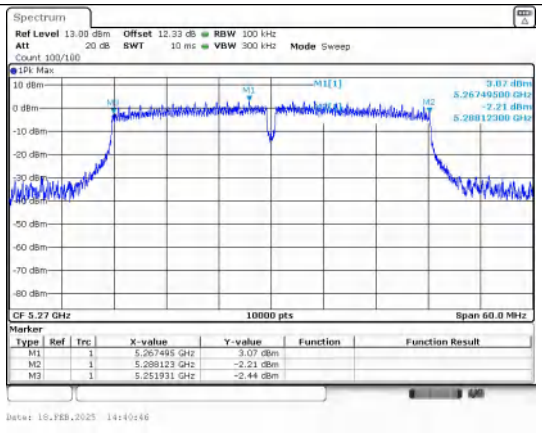
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



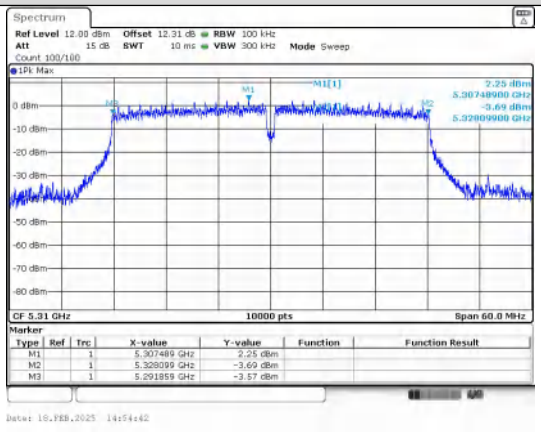
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



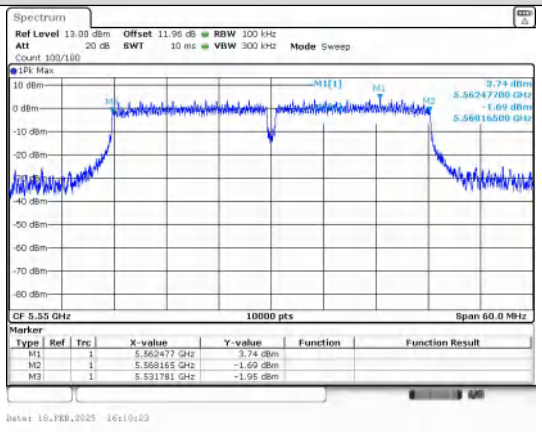
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



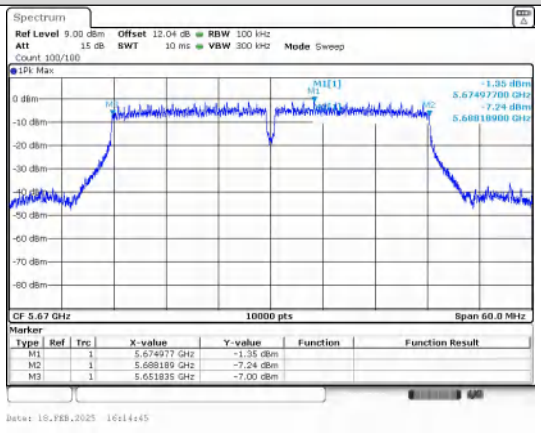
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



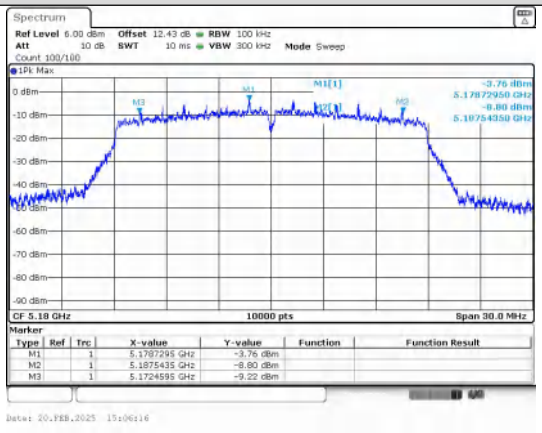
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



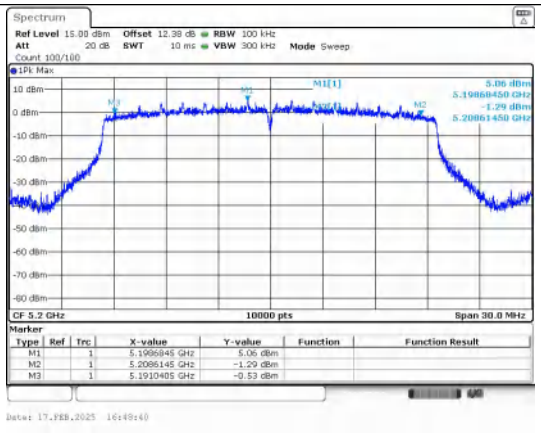
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



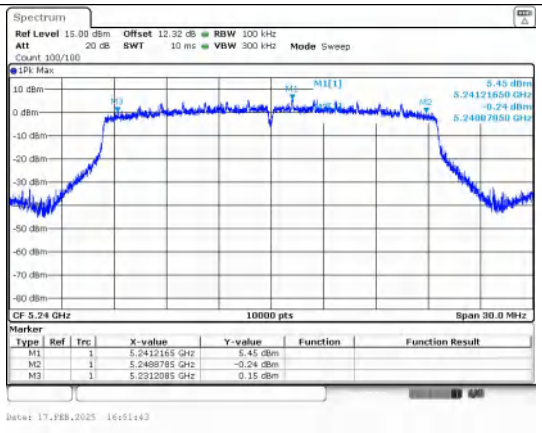
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



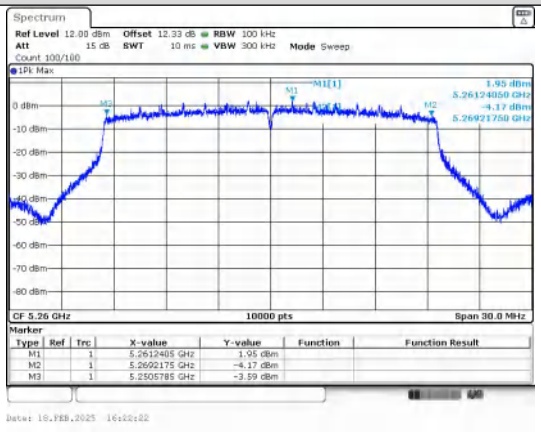
IEEE 802.11ax_Channel 36_20MHz_Antenna 0_RU&Index SU



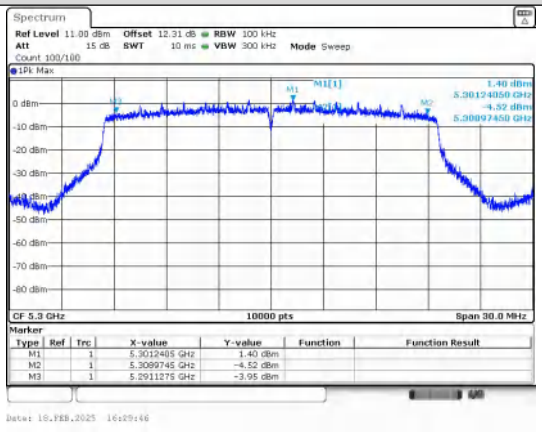
IEEE 802.11ax_Channel 40_20MHz_Antenna 0_RU&Index SU



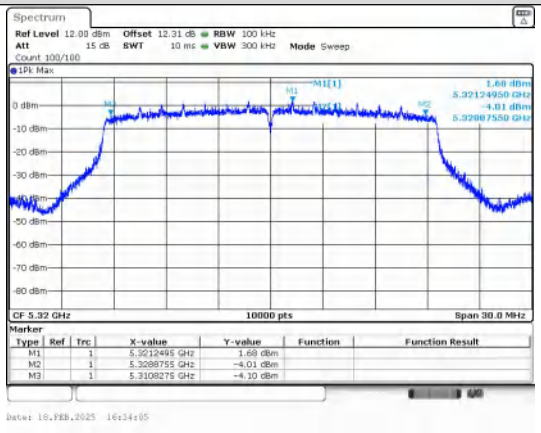
IEEE 802.11ax_Channel 48_20MHz_Antenna 0_RU&Index SU



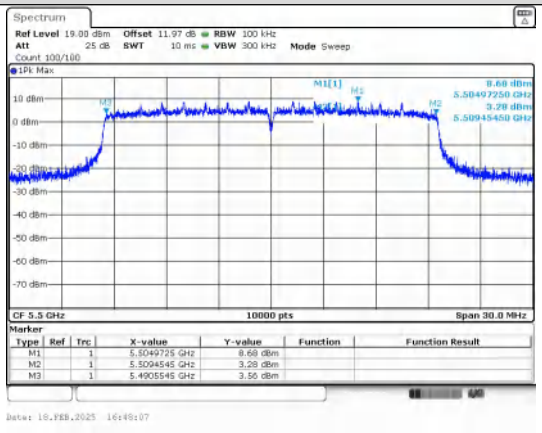
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



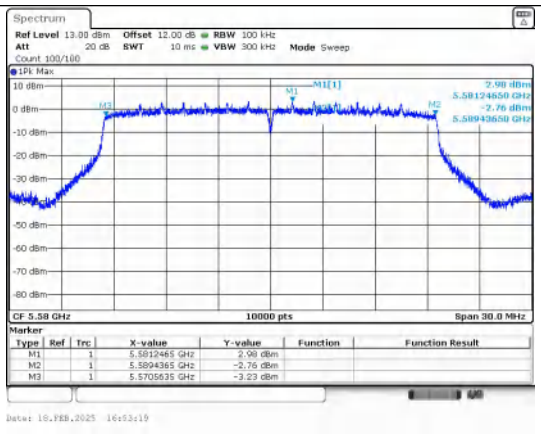
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



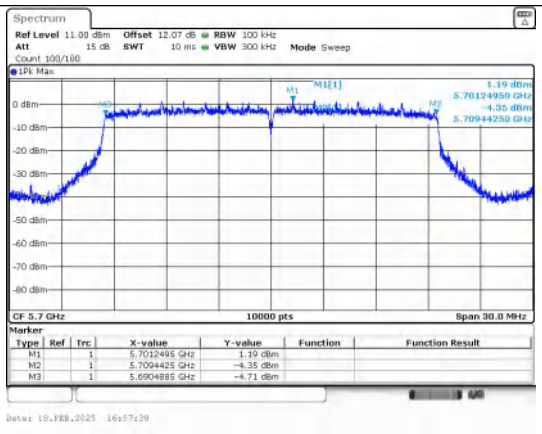
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



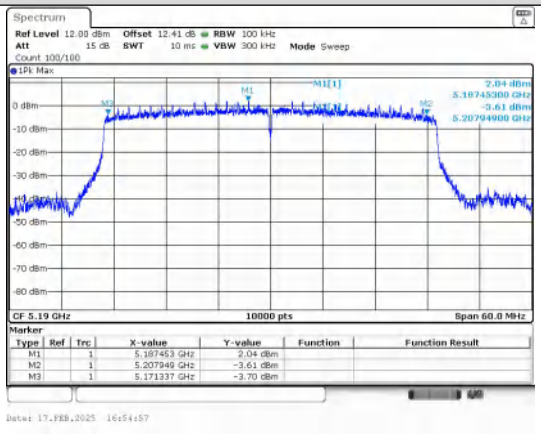
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



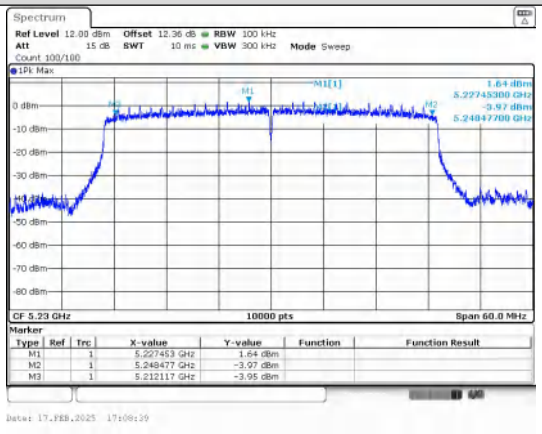
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



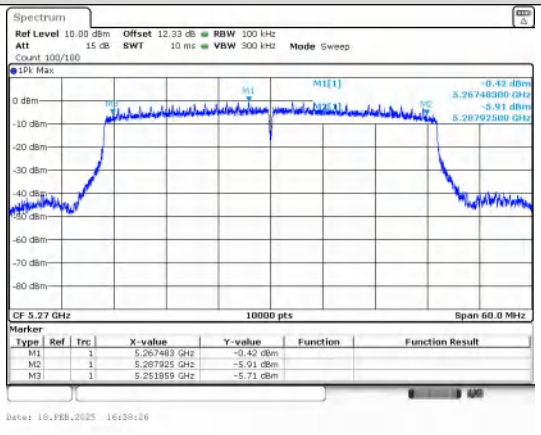
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



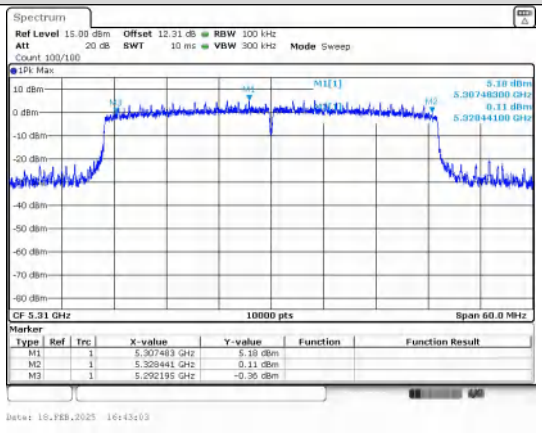
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



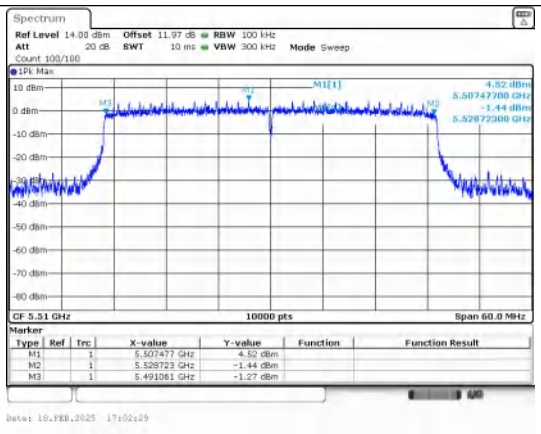
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



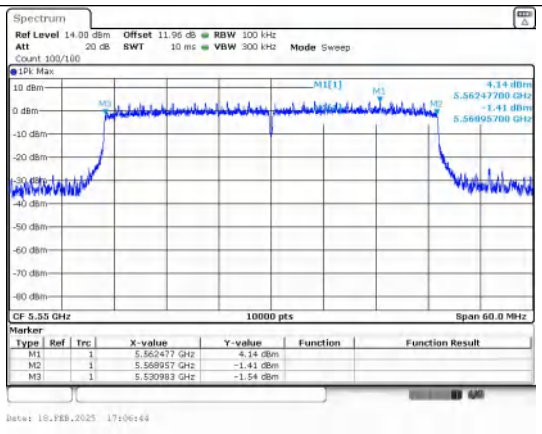
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



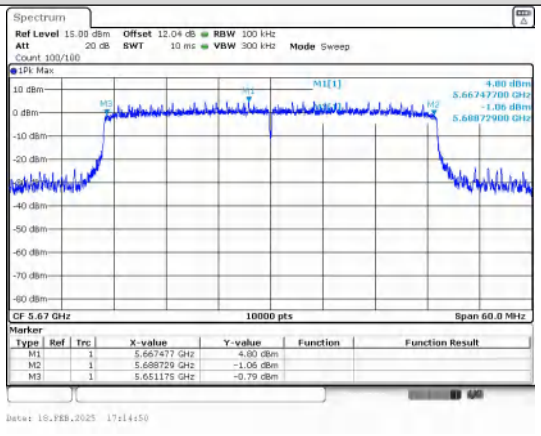
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



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

26dB Bandwidth

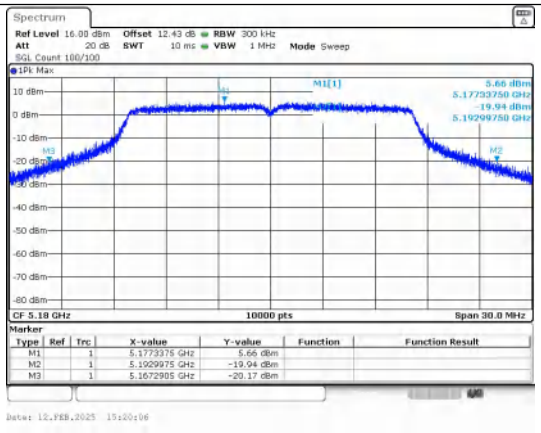
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	N/A	0	5180	25.71	1.17
	40			5200	25.34	1.18
	48			5240	26.11	1.15
	52			5260	26.10	1.15
	60			5300	26.39	1.14
	64			5320	27.50	1.09
	100			5500	29.37	1.02
	116			5580	25.70	1.17
	140			5700	26.94	1.11
IEEE 802.11n_20	36			5180	25.37	1.18
	40			5200	25.64	1.17
	48			5240	25.24	1.19
	52			5260	25.20	1.19
	60			5300	25.66	1.17
	64			5320	25.56	1.17
	100			5500	26.21	1.14
	116			5580	26.41	1.14
	140			5700	26.68	1.12
IEEE 802.11n_40	38			5190	40.49	1.04
	46			5230	41.21	1.06
	54			5270	46.20	1.1
	62			5310	53.15	1.04
	110			5550	41.82	1.04
	134			5670	41.17	1.06

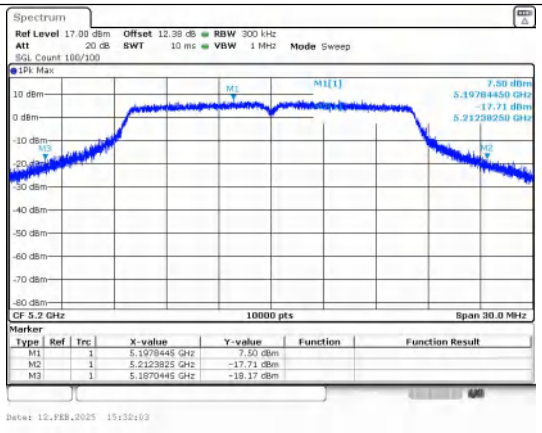
IEEE 802.11ac_20	36			5180	20.01	1.12
	40			5200	20.05	1.11
	48			5240	20.05	1.12
	52			5260	19.99	1.16
	60			5300	19.94	1.17
	64			5320	21.70	1.09
	100			5500	20.61	1.14
	116			5580	20.61	1.17
	140			5700	21.90	1.11
IEEE 802.11ac_40	38			5190	40.56	1.05
	46			5230	40.61	1.05
	54			5270	41.09	1.06
	62			5310	41.40	1.05
	110			5550	41.42	1.06
	134			5670	41.28	1.05
IEEE 802.11ax_20	36	SU		5180	20.01	1.11
	40			5200	20.85	1.14
	48			5240	21.33	1.1
	52			5260	21.32	1.1
	60			5300	20.83	1.14
	64			5320	21.35	1.1
	100			5500	28.21	1.06
	116			5580	21.39	1.12
	140			5700	21.80	1.11
IEEE 802.11ax_40	38			5190	41.00	1.05
	46			5230	41.81	1.03
	54			5270	41.00	1.05
	62			5310	42.40	1.05

	102			5510	41.64	1.05
	110			5550	41.89	1.04
	134			5670	42.25	1.03

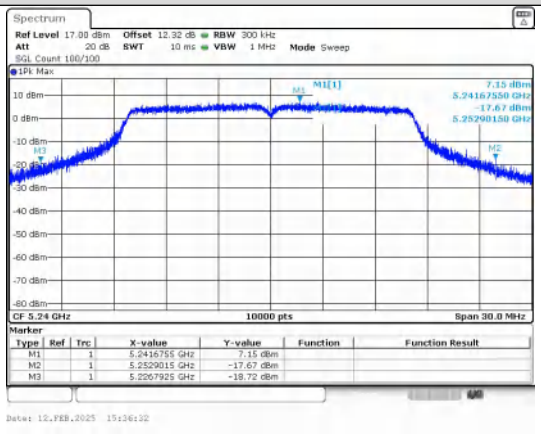
Test Graphs



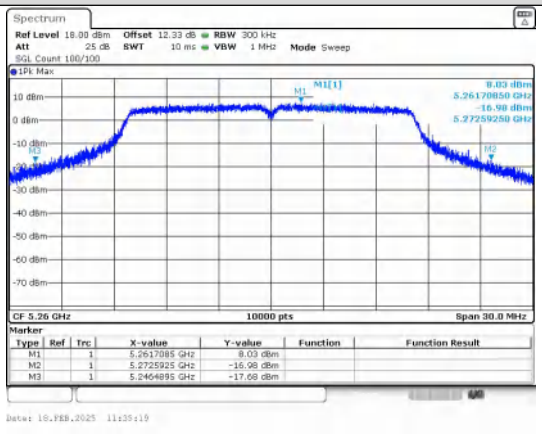
IEEE 802.11a_Channel 36_20MHz_Antenna 0



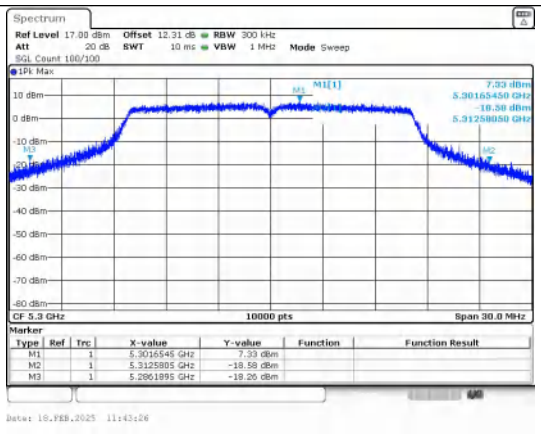
IEEE 802.11a_Channel 40_20MHz_Antenna 0



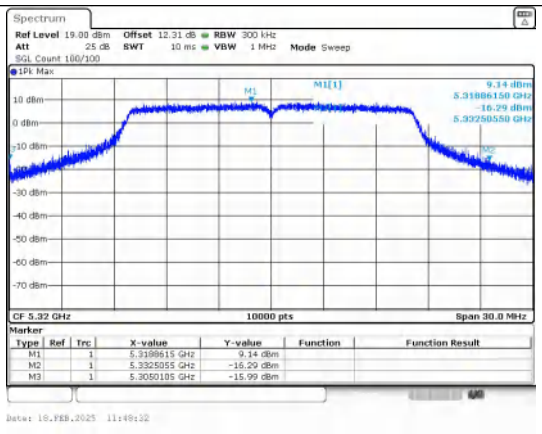
IEEE 802.11a_Channel 48_20MHz_Antenna 0



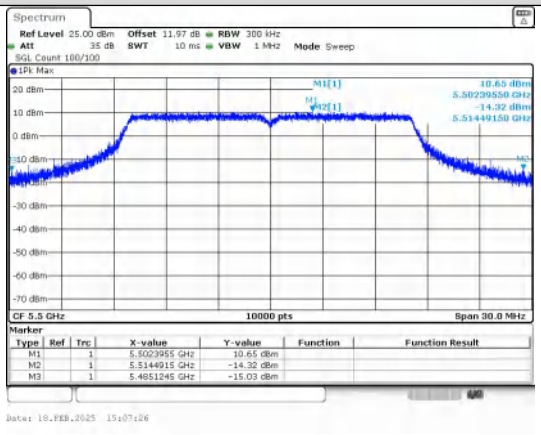
IEEE 802.11a_Channel 52_20MHz_Antenna 0



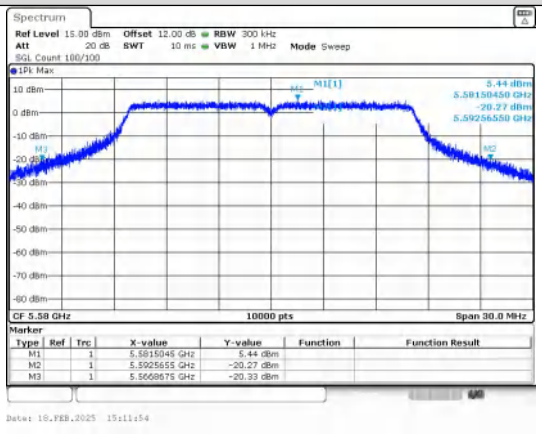
IEEE 802.11a_Channel 60_20MHz_Antenna 0



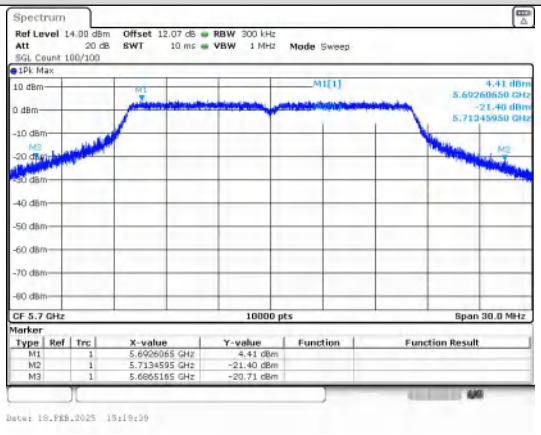
IEEE 802.11a_Channel 64_20MHz_Antenna 0



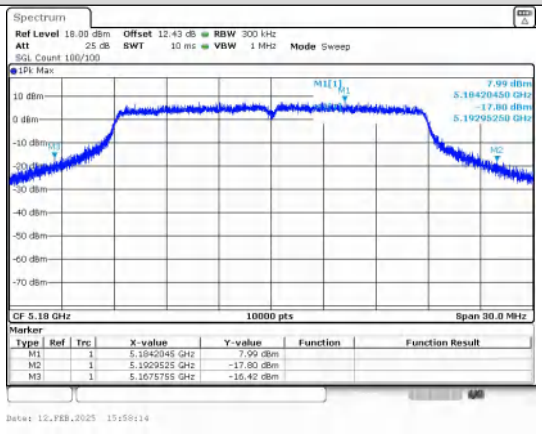
IEEE 802.11a_Channel 100_20MHz_Antenna 0



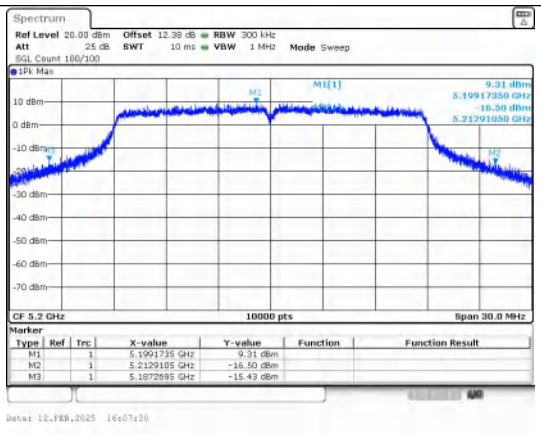
IEEE 802.11a_Channel 116_20MHz_Antenna 0



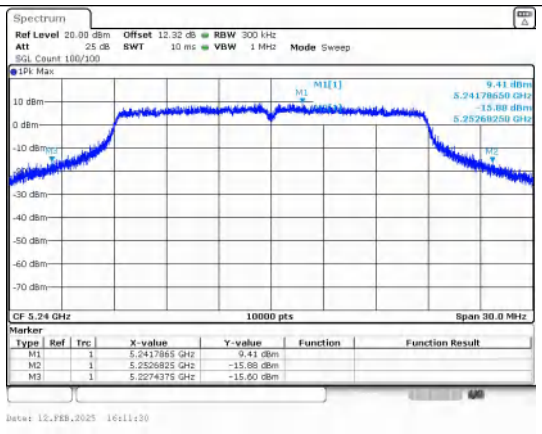
IEEE 802.11a_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 0



IEEE 802.11n_Channel 40_20MHz_Antenna 0



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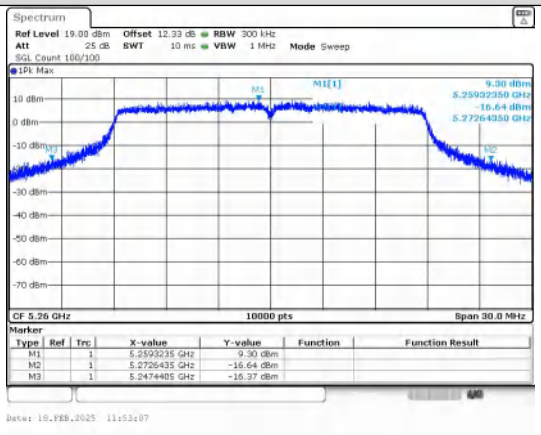
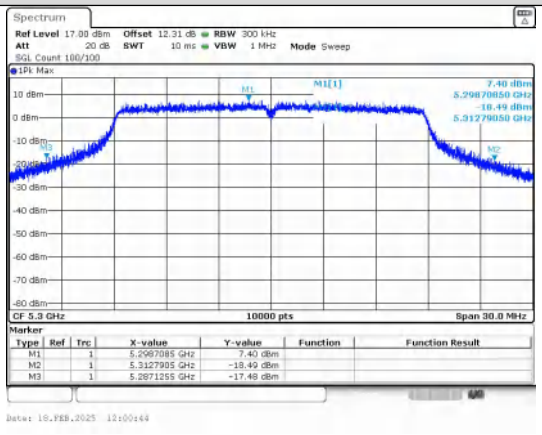


IEEE 802.11n_Channel 52_20MHz_Antenna 0



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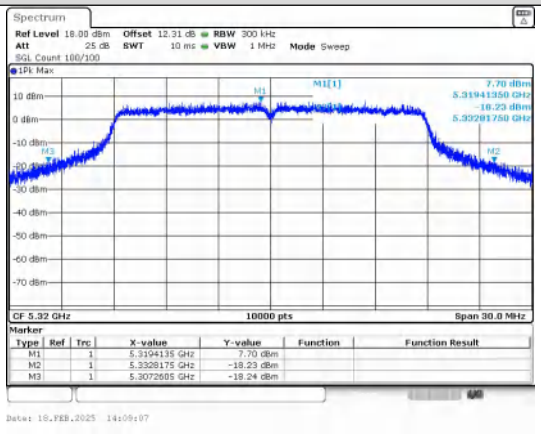
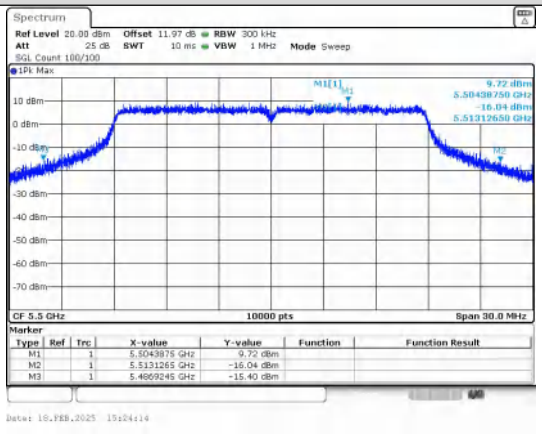


IEEE 802.11n_Channel 64_20MHz_Antenna 0



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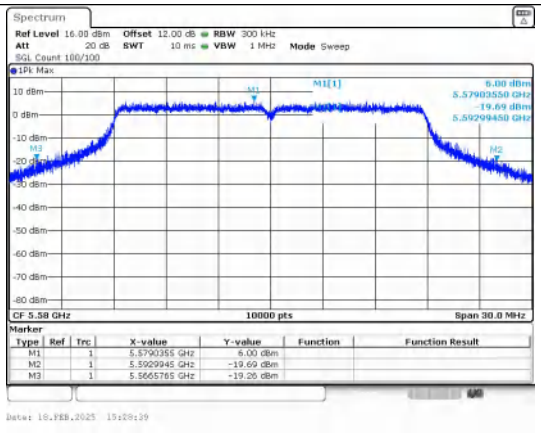
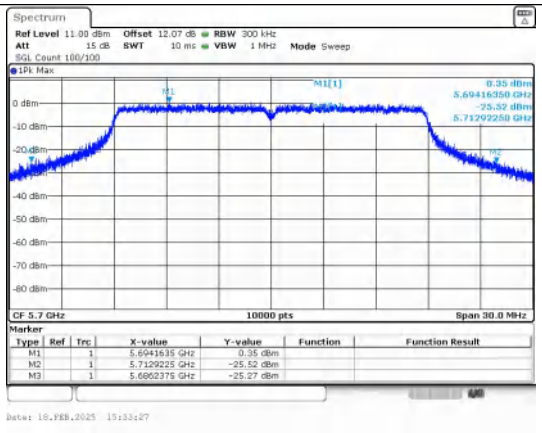
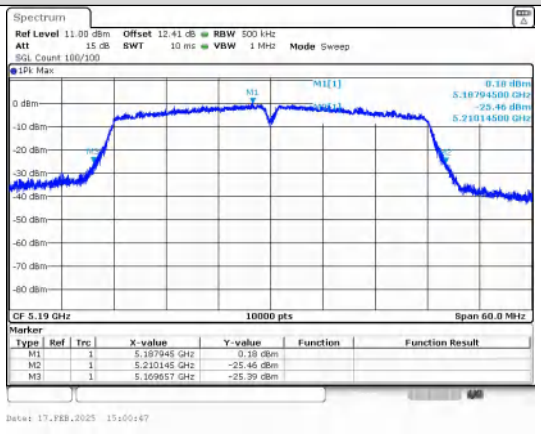


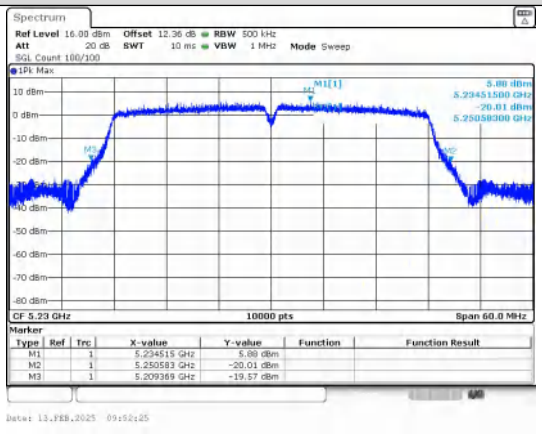
IEEE 802.11n_Channel 116_20MHz_Antenna 0



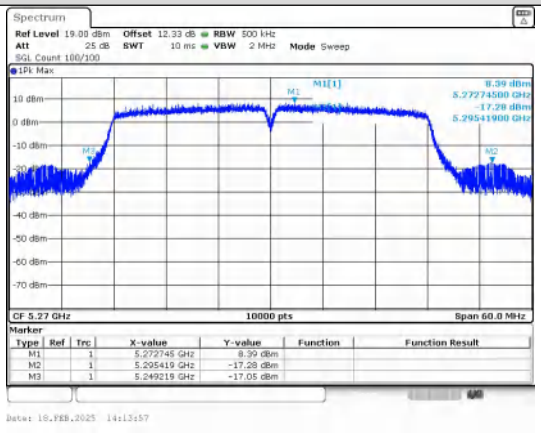
IEEE 802.11n_Channel 140_20MHz_Antenna 0



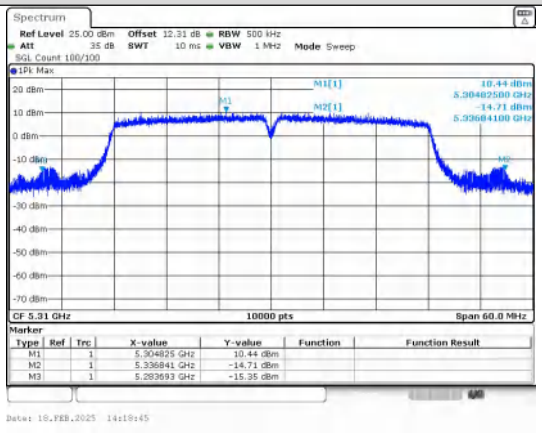
IEEE 802.11n_Channel 38_40MHz_Antenna 0



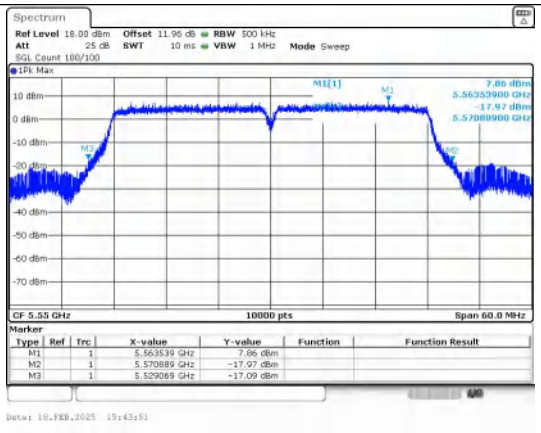
IEEE 802.11n_Channel 46_40MHz_Antenna 0



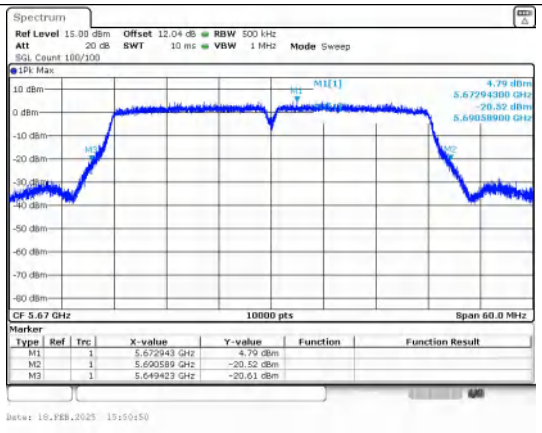
IEEE 802.11n_Channel 54_40MHz_Antenna 0



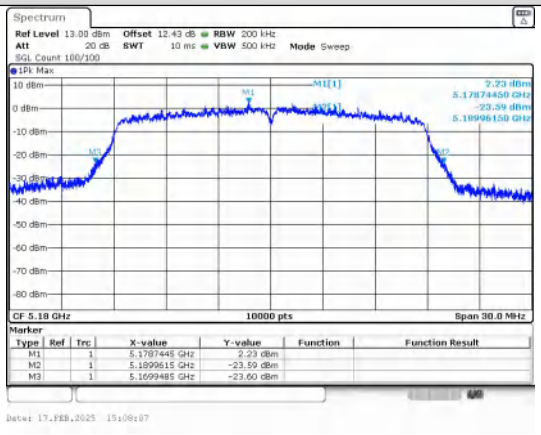
IEEE 802.11n_Channel 62_40MHz_Antenna 0



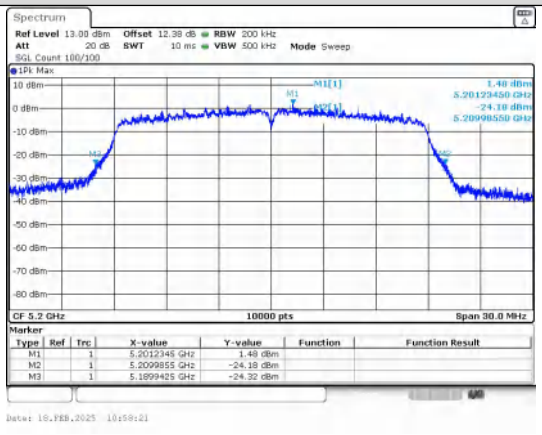
IEEE 802.11n_Channel 110_40MHz_Antenna 0



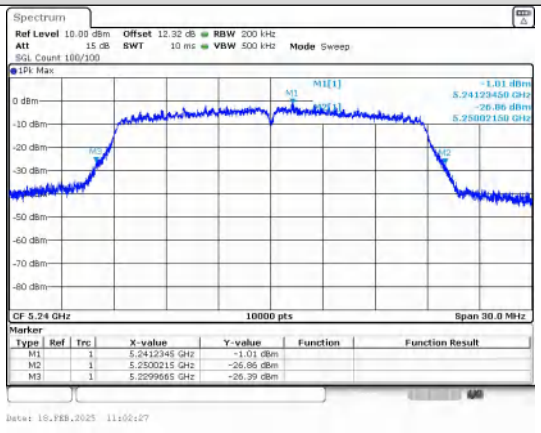
IEEE 802.11n_Channel 134_40MHz_Antenna 0



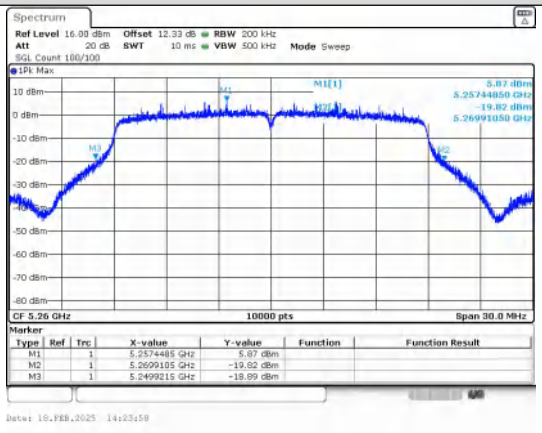
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



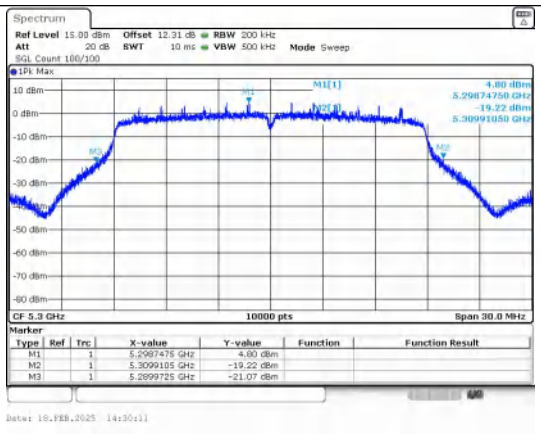
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



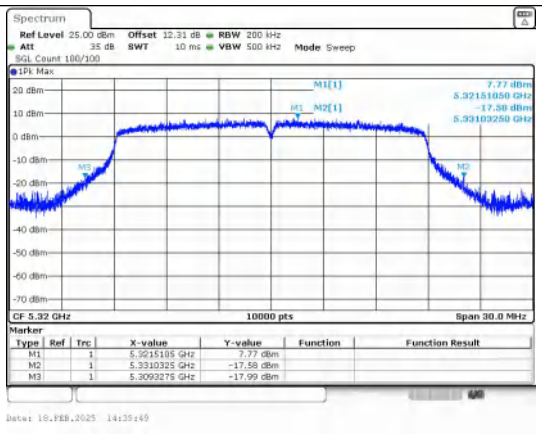
IEEE 802.11ac_Channel 48_20MHz_Antenna 0



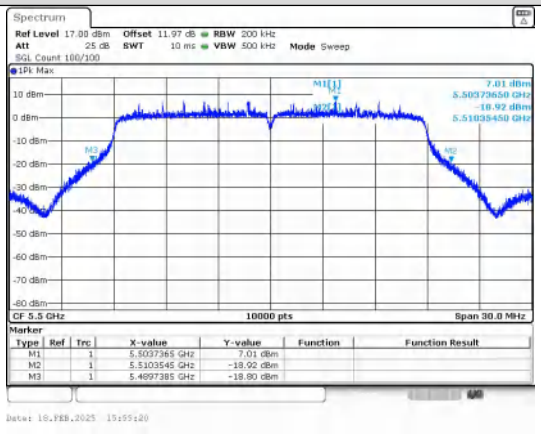
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



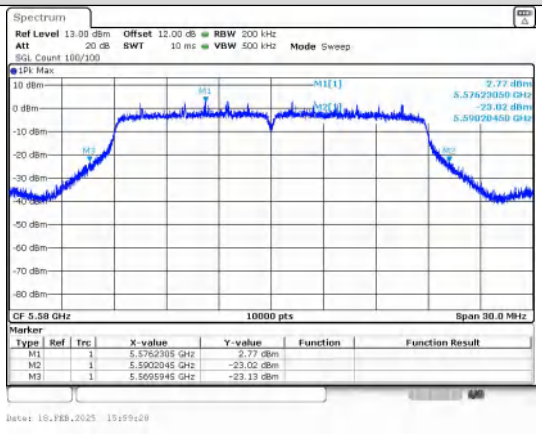
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



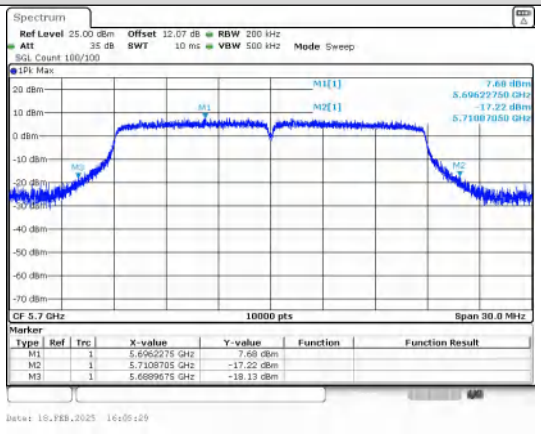
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



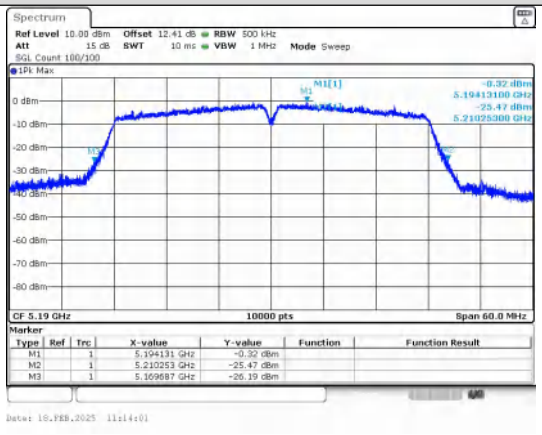
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



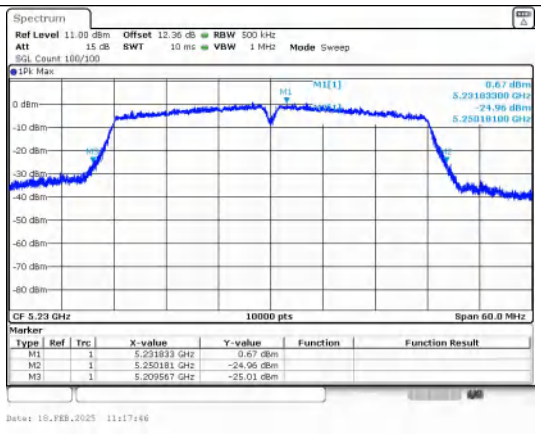
IEEE 802.11ac_Channel 116_20MHz_Antenna 0



IEEE 802.11ac_Channel 140_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



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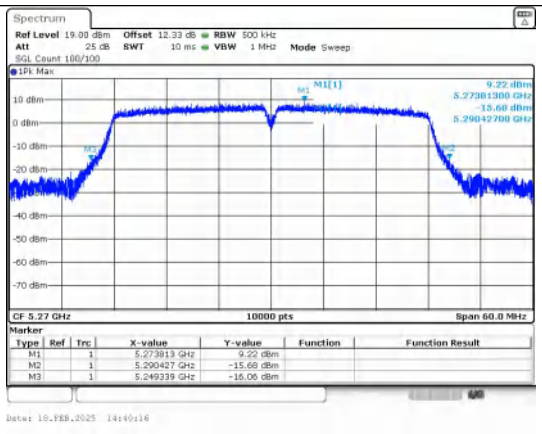
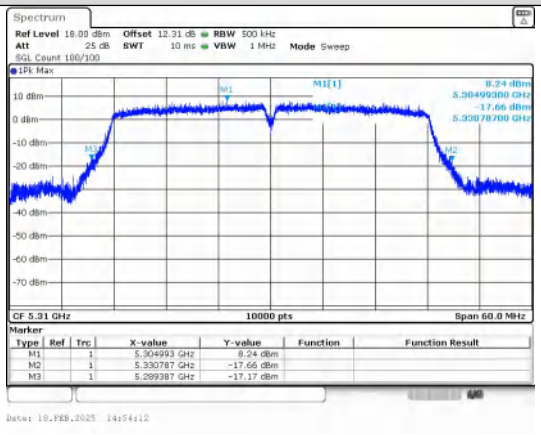


IEEE 802.11ac_Channel 54_40MHz_Antenna 0



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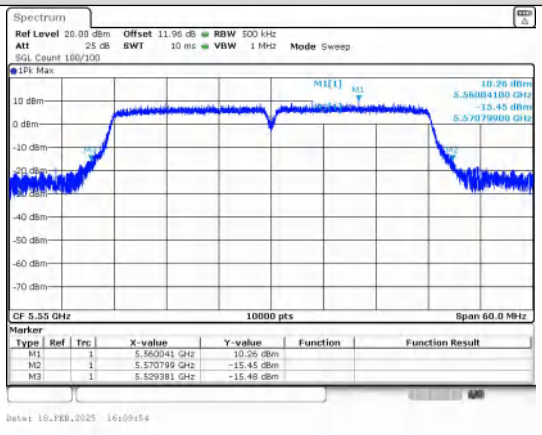
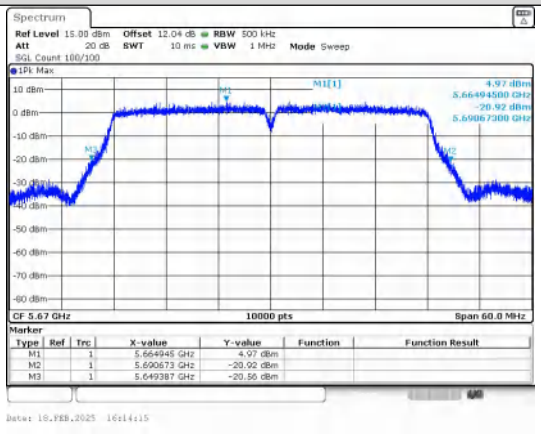
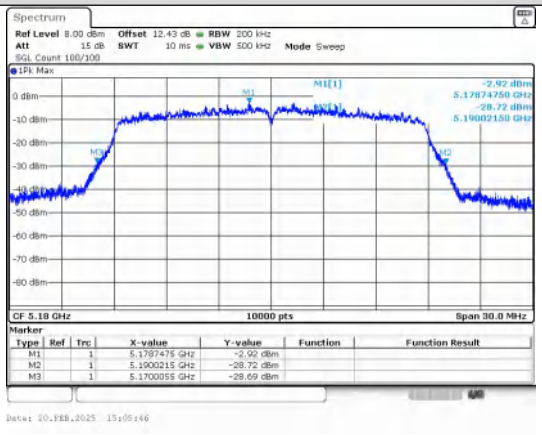


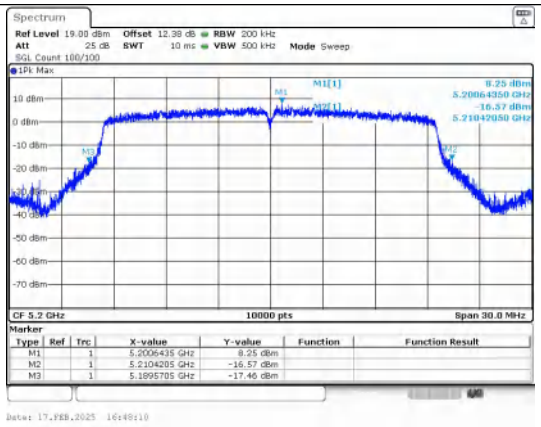
IEEE 802.11ac_Channel 110_40MHz_Antenna 0



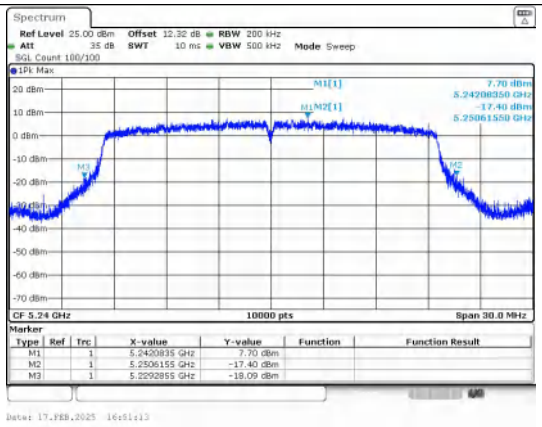
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



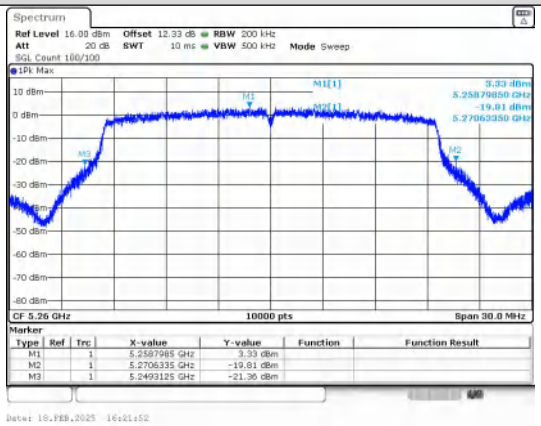
IEEE 802.11ax_Channel 36_20MHz_Antenna 0_RU&Index SU



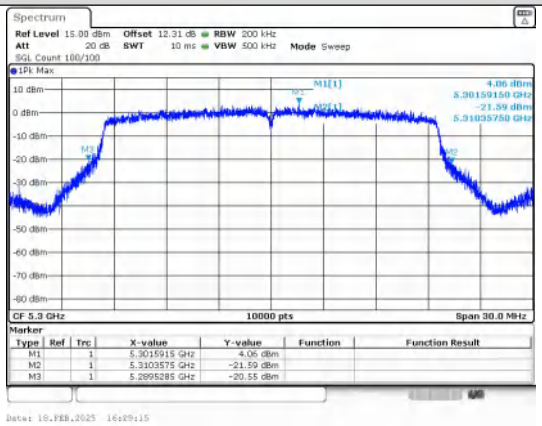
IEEE 802.11ax_Channel 40_20MHz_Antenna 0_RU&Index SU



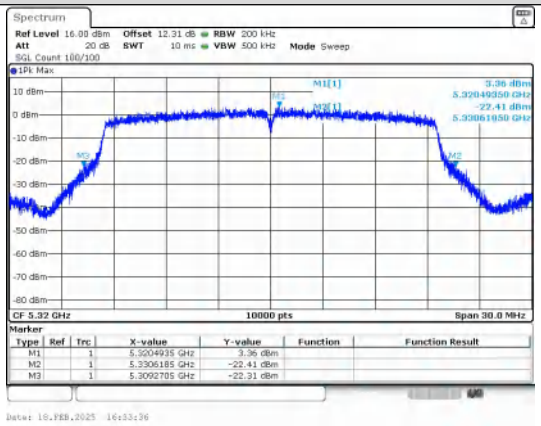
IEEE 802.11ax_Channel 48_20MHz_Antenna 0_RU&Index SU



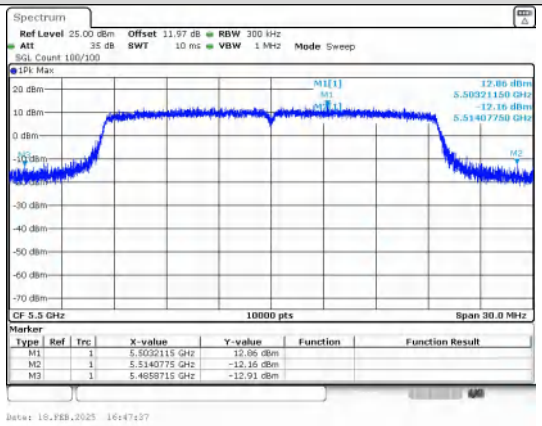
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



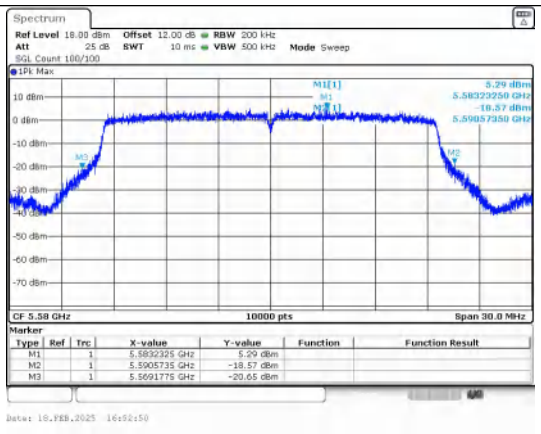
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



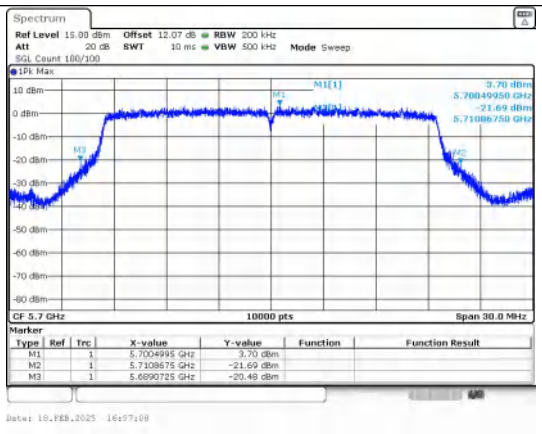
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



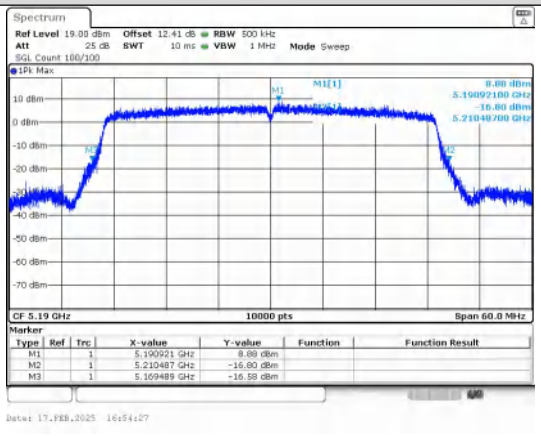
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



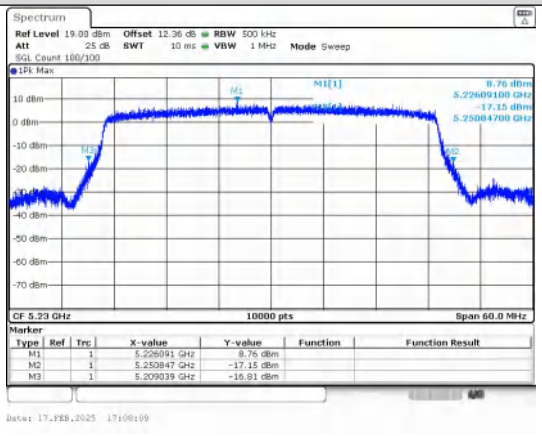
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



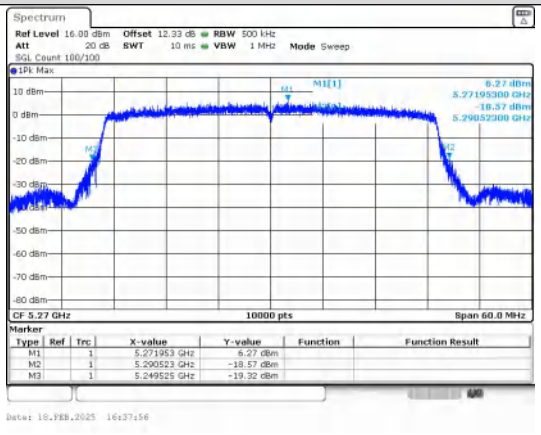
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



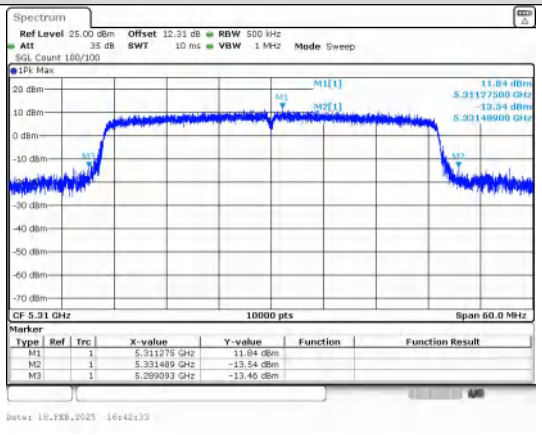
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



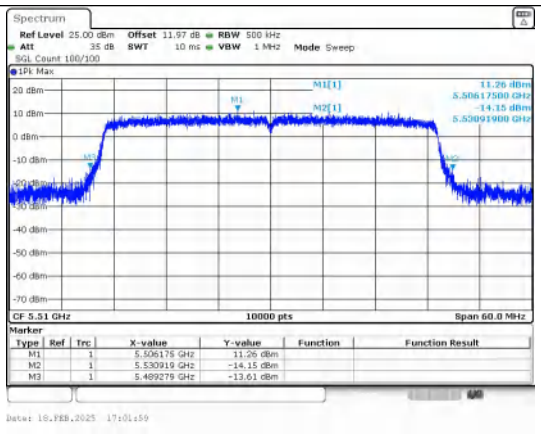
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



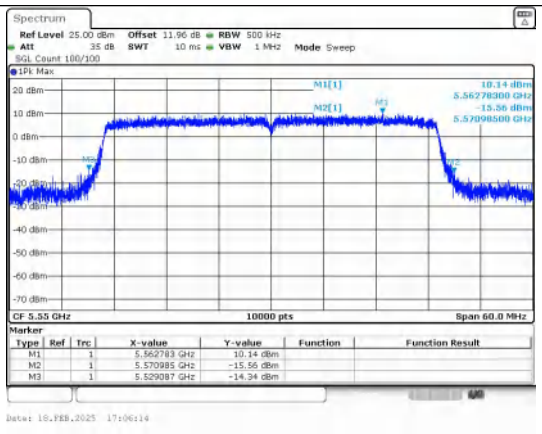
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



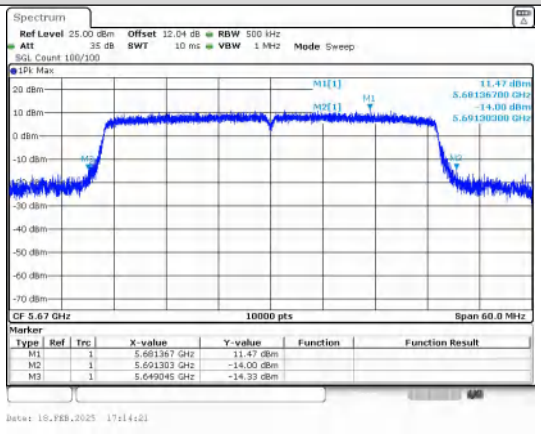
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



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

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	36	N/A	0	43.57	-28.290	-27	-1.290	PASS
				5135.60	-31.620	-27	-5	PASS
				5150.00	-31.690	-27	-5	PASS
				5350.00	-32.500	-27	-6	PASS
				5459.31	-31.531	-27	-5	PASS
				5587.44	-38.150	-27	-11.150	PASS
	40			35.38	-27.770	-27	-0.770	PASS
				5148.10	-32.602	-27	-6	PASS
				5150.00	-32.690	-27	-6	PASS
				5350.00	-33.240	-27	-6	PASS
				5459.31	-31.895	-27	-5	PASS
				6492.65	-42.800	-27	-15.800	PASS
	48			43.57	-27.860	-27	-0.860	PASS
				5149.49	-32.337	-27	-5	PASS
				5150.00	-32.340	-27	-5	PASS
				5350.00	-30.670	-27	-4	PASS
				5445.41	-29.617	-27	-3	PASS
				5481.98	-42.990	-27	-15.990	PASS
	52			43.91	-27.060	-27	-0.060	PASS
				5149.49	-32.546	-27	-6	PASS
				5150.00	-32.550	-27	-6	PASS
				5350.00	-32.490	-27	-5	PASS
				5459.31	-31.485	-27	-4	PASS
				16800.4	-42.640	-27	-15.640	PASS

	60			43.91	-27.320	-27	-0.320	PASS
				5096.70	-30.052	-27	-3	PASS
				5150.00	-30.540	-27	-4	PASS
				5350.00	-32.650	-27	-6	PASS
				5354.26	-34.190	-27	-7.190	PASS
				5459.31	-32.056	-27	-5	PASS
	64			43.74	-27.780	-27	-0.780	PASS
				5148.10	-30.152	-27	-3	PASS
				5150.00	-32.640	-27	-6	PASS
				5350.00	-27.620	-27	-1	PASS
				5358.19	-30.840	-27	-3.840	PASS
	100			43.69	-27.510	-27	-0.510	PASS
				5468.55	-29.032	-27	-2	PASS
				5470.00	-30.460	-27	-3	PASS
				5725.00	-31.760	-27	-5	PASS
				6224.09	-29.425	-27	-2	PASS
				10997.7	-42.270	-27	-15.270	PASS
	116			43.69	-27.400	-27	-0.400	PASS
				5461.28	-29.852	-27	-3	PASS
				5470.00	-30.270	-27	-3	PASS
				5725.00	-30.990	-27	-4	PASS
				6224.09	-29.824	-27	-3	PASS
				11151.9	-38.710	-27	-11.710	PASS
	140			43.87	-27.220	-27	-0.220	PASS
				5468.55	-30.104	-27	-3	PASS
				5470.00	-30.390	-27	-3	PASS
				5725.00	-29.770	-27	-3	PASS
				6216.83	-29.692	-27	-3	PASS

				11407.0	-30.390	-27	-3.390	PASS
IEEE 802.11n_20	36			36.23	-27.630	-27	-0.630	PASS
				5141.16	-30.372	-27	-3	PASS
				5150.00	-31.590	-27	-5	PASS
				5350.00	-31.920	-27	-5	PASS
				5417.79	-40.980	-27	-13.980	PASS
				5459.31	-29.807	-27	-3	PASS
	40			44.25	-27.760	-27	-0.760	PASS
				5148.10	-31.944	-27	-5	PASS
				5150.00	-33.660	-27	-7	PASS
				5350.00	-31.060	-27	-4	PASS
				5434.82	-41.630	-27	-14.630	PASS
				5459.31	-28.583	-27	-2	PASS
	48			44.08	-28.360	-27	-1.360	PASS
				5148.10	-31.757	-27	-5	PASS
				5150.00	-33.350	-27	-6	PASS
				5350.00	-30.950	-27	-4	PASS
				5457.92	-30.696	-27	-4	PASS
				16920.2	-42.940	-27	-15.940	PASS
	52			43.91	-27.120	-27	-0.120	PASS
				5149.49	-31.960	-27	-5	PASS
				5150.00	-31.960	-27	-5	PASS
				5350.00	-31.090	-27	-4	PASS
				5456.53	-30.655	-27	-4	PASS
				21971.6	-42.990	-27	-15.990	PASS
	60			43.91	-27.040	-27	-0.040	PASS
				5149.49	-32.657	-27	-6	PASS
				5150.00	-32.660	-27	-6	PASS

				5350.00	-32.140	-27	-5	PASS
				5350.33	-39.520	-27	-12.520	PASS
				5457.92	-31.720	-27	-5	PASS
	64			43.74	-27.500	-27	-0.500	PASS
				5130.04	-31.385	-27	-4	PASS
				5150.00	-31.450	-27	-4	PASS
				5350.00	-31.990	-27	-5	PASS
				5354.26	-34.150	-27	-7.150	PASS
				5459.31	-31.944	-27	-5	PASS
	100			43.33	-28.010	-27	-1.010	PASS
				5463.10	-29.381	-27	-2	PASS
				5470.00	-29.670	-27	-3	PASS
				5725.00	-31.300	-27	-4	PASS
				6224.09	-29.532	-27	-3	PASS
				16588.7	-42.320	-27	-15.320	PASS
	116			42.97	-28.490	-27	-1.490	PASS
				5468.55	-29.726	-27	-3	PASS
				5470.00	-30.360	-27	-3	PASS
				5725.00	-31.070	-27	-4	PASS
				6224.09	-30.166	-27	-3	PASS
				23429.4	-42.710	-27	-15.710	PASS
	140			43.87	-27.690	-27	-0.690	PASS
				5468.55	-30.550	-27	-4	PASS
				5470.00	-31.620	-27	-5	PASS
				5725.00	-30.810	-27	-4	PASS
				5731.10	-35.790	-27	-8.790	PASS
				6224.09	-29.817	-27	-3	PASS
IEEE	38			5071.69	-29.969	-27	-3	PASS

802.11n_40				5148.38	-34.210	-27	-7.210	PASS
				5150.00	-30.270	-27	-3	PASS
				5350.00	-32.760	-27	-6	PASS
				5459.31	-31.828	-27	-5	PASS
				22041.7	-42.150	-27	-15.150	PASS
	46			5146.71	-30.936	-27	-4	PASS
				5147.87	-40.740	-27	-13.740	PASS
				5150.00	-32.290	-27	-5	PASS
				5350.00	-32.130	-27	-5	PASS
				5357.53	-41.040	-27	-14.040	PASS
				5457.92	-31.146	-27	-4	PASS
	54			43.57	-27.300	-27	-0.300	PASS
				5146.71	-31.876	-27	-5	PASS
				5150.00	-32.060	-27	-5	PASS
				5350.00	-32.910	-27	-6	PASS
				5350.33	-32.600	-27	-5.600	PASS
				5459.31	-30.892	-27	-4	PASS
	62			43.91	-27.250	-27	-0.250	PASS
				5149.49	-33.328	-27	-6	PASS
				5150.00	-33.330	-27	-6	PASS
				5350.00	-31.630	-27	-5	PASS
				5350.33	-31.480	-27	-4.480	PASS
				5459.31	-30.716	-27	-4	PASS
	110			43.69	-27.320	-27	-0.320	PASS
				5466.73	-30.150	-27	-3	PASS
				5470.00	-30.670	-27	-4	PASS
				5725.00	-30.110	-27	-3	PASS
				6224.09	-30.085	-27	-3	PASS