

## Appendix B

Report No.:	CISRR24013016502
FCC ID:	2BE3U-C6
Product Name:	Encoder
Model No.:	C6
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

## Frequency Stability

Measured all conditions and recorded worst case.

### IEEE 802.11a Mode/5180-5240 MHz/ 5180 MHz

Environment Temperature(Degree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Limit (ppm)	State
20	HV	5180.0	5179.982794	5150-5250	PASS
20	LV	5180.0	5179.982079		PASS
50	NV	5180.0	5179.982995		PASS
40	NV	5180.0	5179.983586		PASS
30	NV	5180.0	5179.982147		PASS
20	NV	5180.0	5179.983385		PASS
10	NV	5180.0	5179.982216		PASS
0	NV	5180.0	5179.983516		PASS
-10	NV	5180.0	5179.983641		PASS
-20	NV	5180.0	5179.983095		PASS
-30	NV	5180.0	5179.982794		PASS

### IEEE 802.11a Mode/5180-5240 MHz/ 5240 MHz

Environment Temperature(Degree)	Voltage(v)	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Limit (ppm)	State
20	HV	5240.0	5239.998670	5150-5250	PASS
20	LV	5240.0	5239.999505		PASS
50	NV	5240.0	5239.999568		PASS
40	NV	5240.0	5239.999290		PASS
30	NV	5240.0	5239.998109		PASS
20	NV	5240.0	5239.999002		PASS
10	NV	5240.0	5239.998059		PASS
0	NV	5240.0	5239.997521		PASS
-10	NV	5240.0	5239.999270		PASS
-20	NV	5240.0	5239.998413		PASS
-30	NV	5240.0	5239.998887		PASS

## Conducted Peak Output Power

Conducted output power

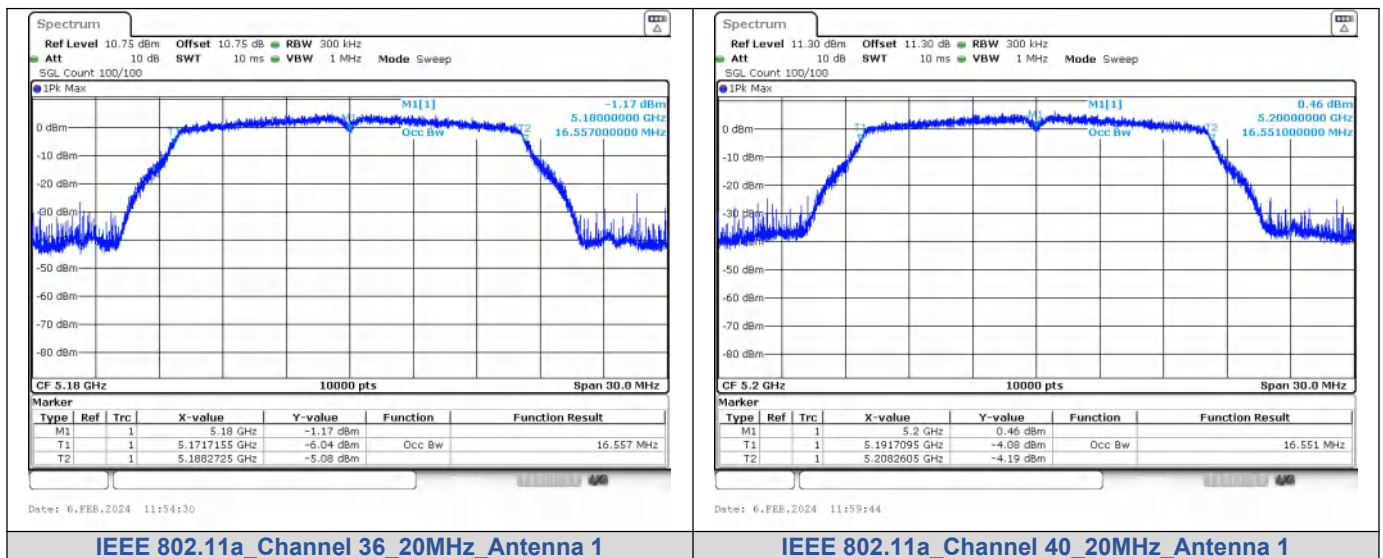
Mode	Channel	RU & Index	Corr'd Value Ant. 1 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	N/A	12.03	24	PASS
	40		12.03	24	PASS
	48		11.92	24	PASS
IEEE 802.11n_20	36		11.86	24	PASS
	40		11.83	24	PASS
	48		11.73	24	PASS
IEEE 802.11n_40	38		11.32	24	PASS
	46		11.18	24	PASS
IEEE 802.11ac_20	36		11.93	24	PASS
	40		11.97	24	PASS
	48		11.77	24	PASS
IEEE 802.11ac_40	38		11.49	24	PASS
	46		11.33	24	PASS
IEEE 802.11ac_80	42		10.42	24	PASS
IEEE 802.11ax_20	36		SU	15.89	24
	40	15.24		24	PASS
	48	13.62		24	PASS
IEEE 802.11ax_40	38	15.5		24	PASS
	46	13.55		24	PASS
IEEE 802.11ax_80	42	15.18		24	PASS

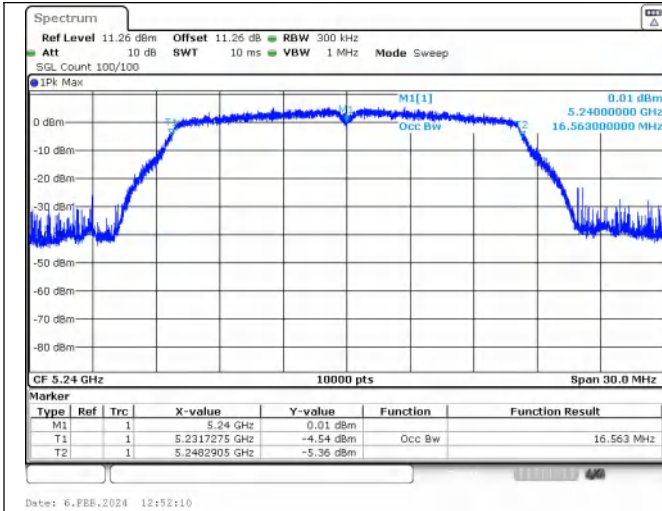
## 99% Bandwidth

### Test Result

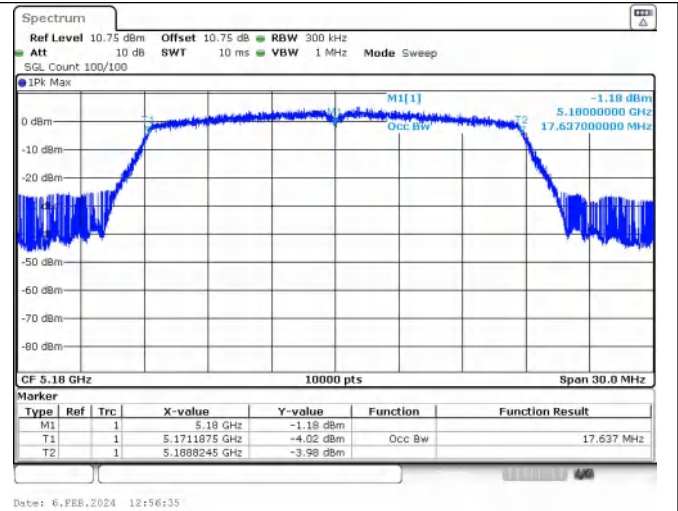
Mode	Channel	RU & Index	Ant.	99% BW (MHz)
IEEE 802.11a	36	N/A	1	16.560
	40			16.550
	48			16.560
IEEE 802.11n_20	36			17.640
	40			17.630
	48			17.630
IEEE 802.11n_40	38			36.010
	46			36.050
IEEE 802.11ac_20	36			17.620
	40			17.620
	48			17.630
IEEE 802.11ac_40	38			35.950
	46	36.050		
IEEE 802.11ac_80	42	75.070		
IEEE 802.11ax_20	36	SU	1	16.950
	40			16.920
	48			16.650
IEEE 802.11ax_40	38			36.470
	46			36.080
IEEE 802.11ax_80	42			75.780

### Test Graphs

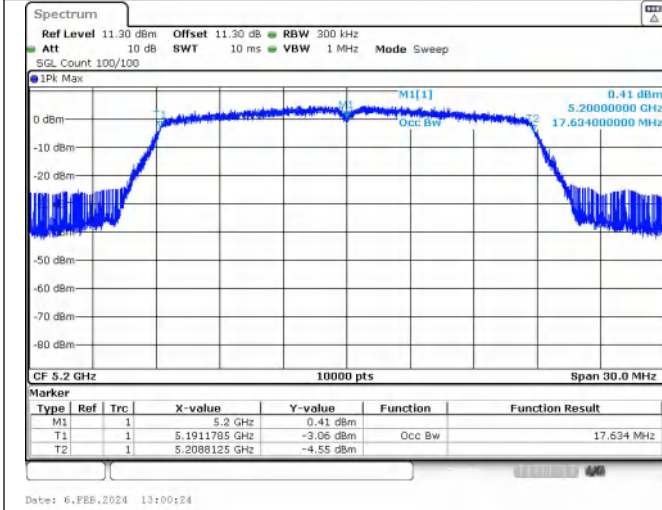




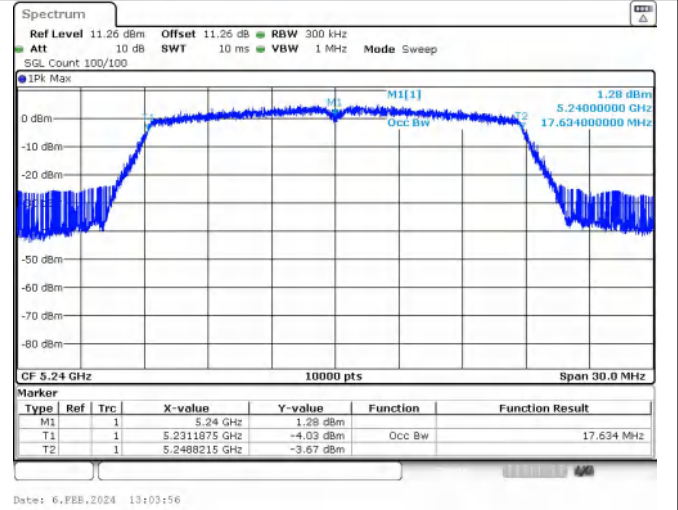
IEEE 802.11a Channel 48 20MHz Antenna 1



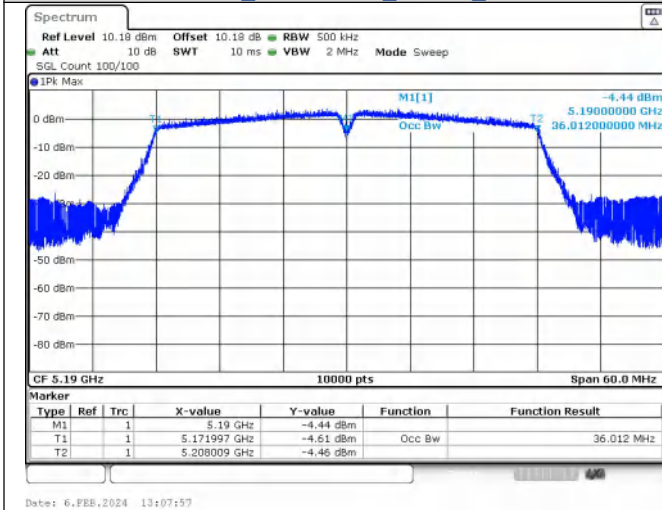
IEEE 802.11n Channel 36 20MHz Antenna 1



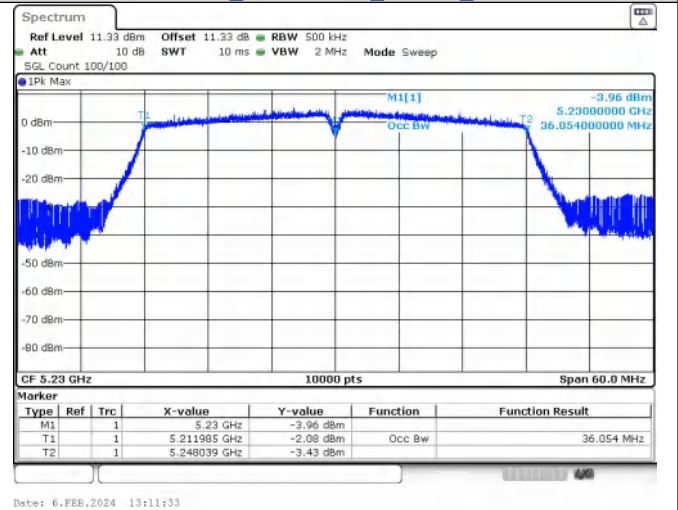
IEEE 802.11n Channel 40 20MHz Antenna 1



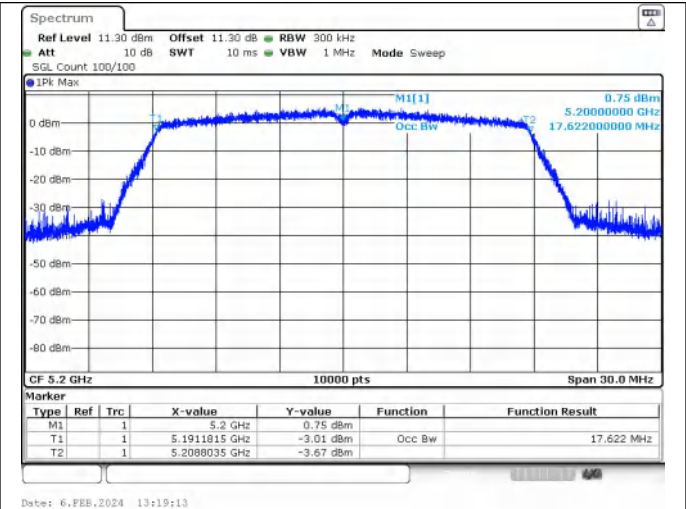
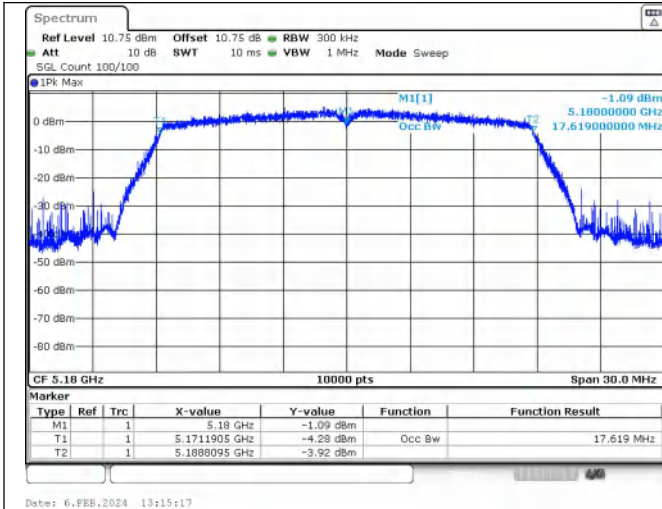
IEEE 802.11n Channel 48 20MHz Antenna 1



IEEE 802.11n Channel 38 40MHz Antenna 1

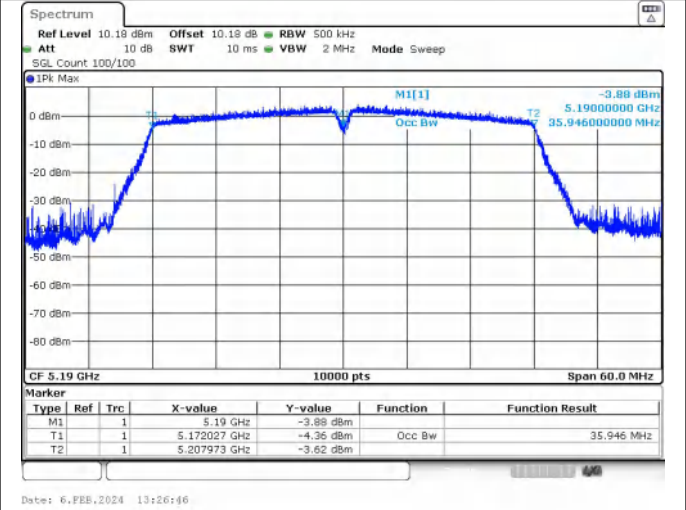
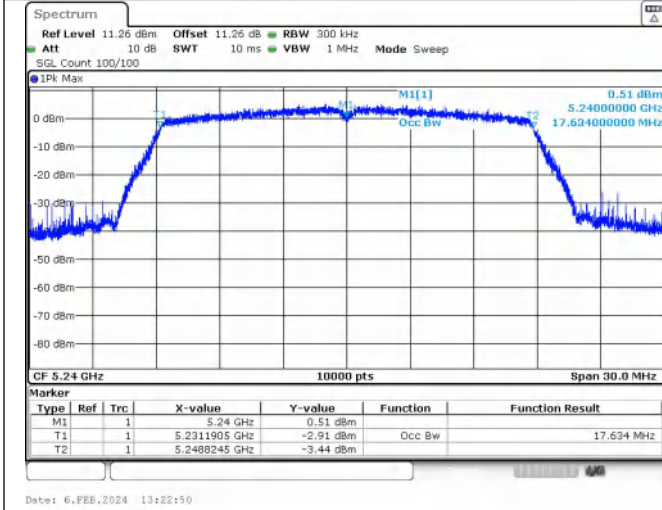


IEEE 802.11n Channel 46 40MHz Antenna 1



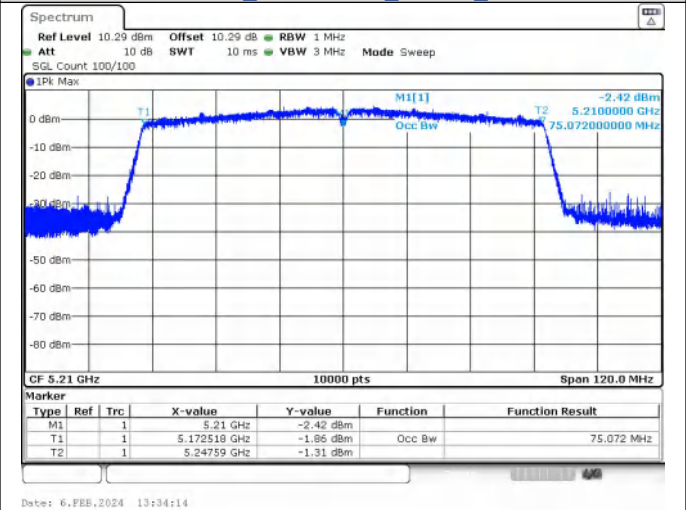
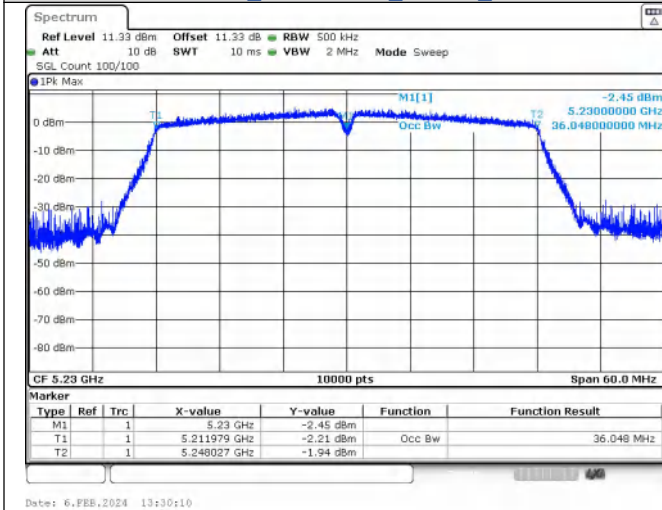
IEEE 802.11ac\_Channel 36\_20MHz\_Antenna 1

IEEE 802.11ac\_Channel 40\_20MHz\_Antenna 1



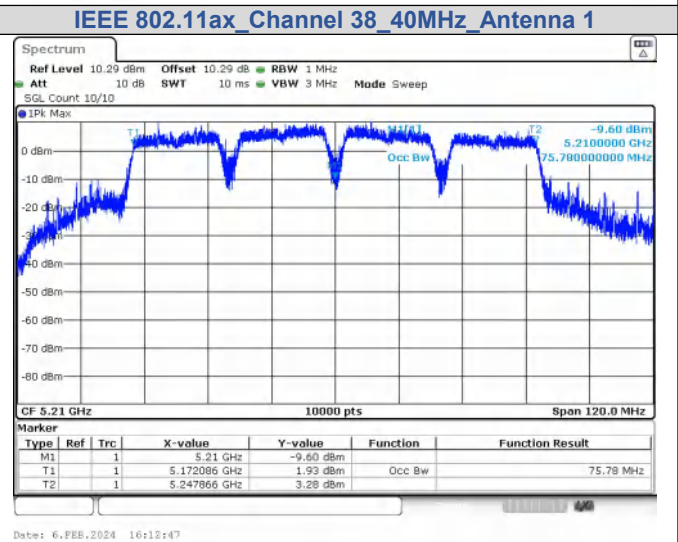
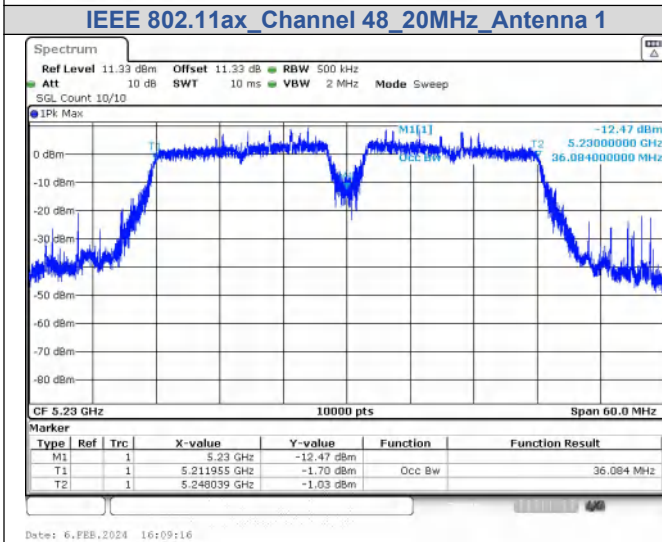
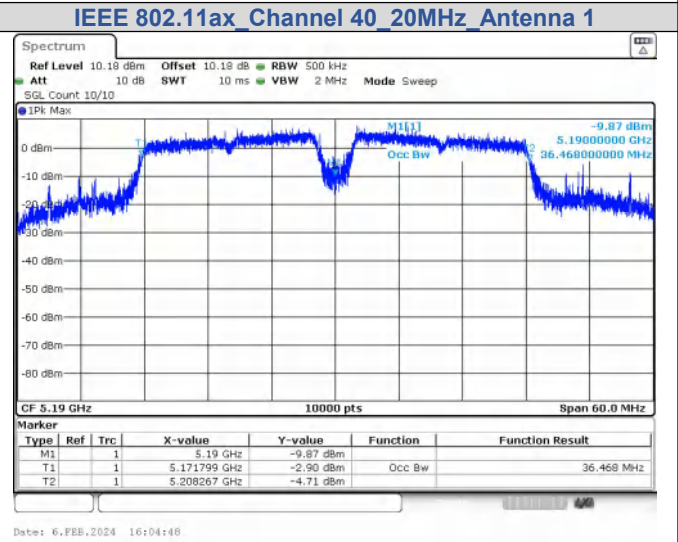
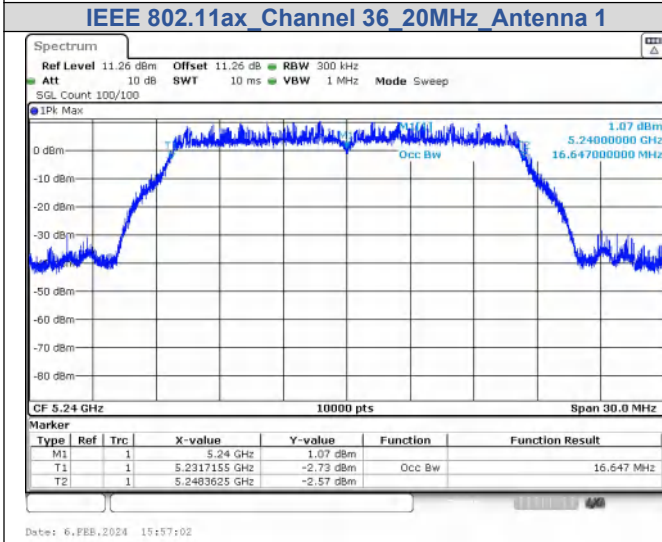
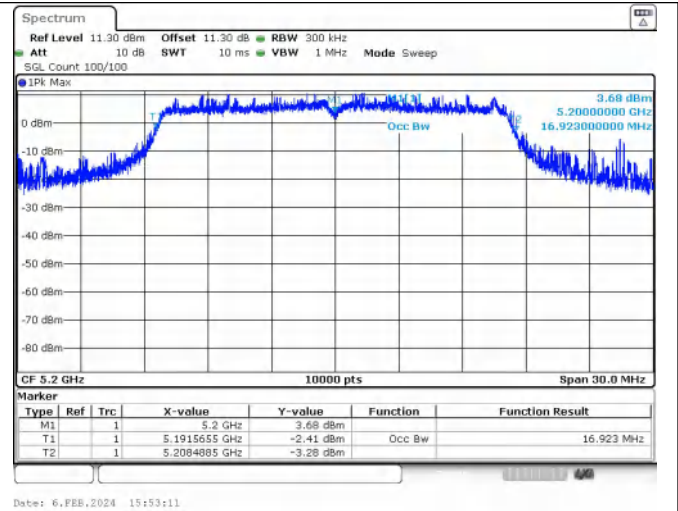
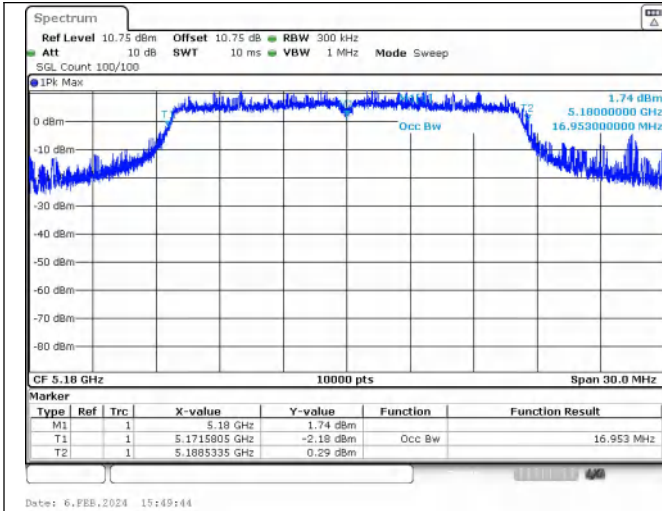
IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1

IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1

IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1



**IEEE 802.11ax Channel 46 40MHz Antenna 1**

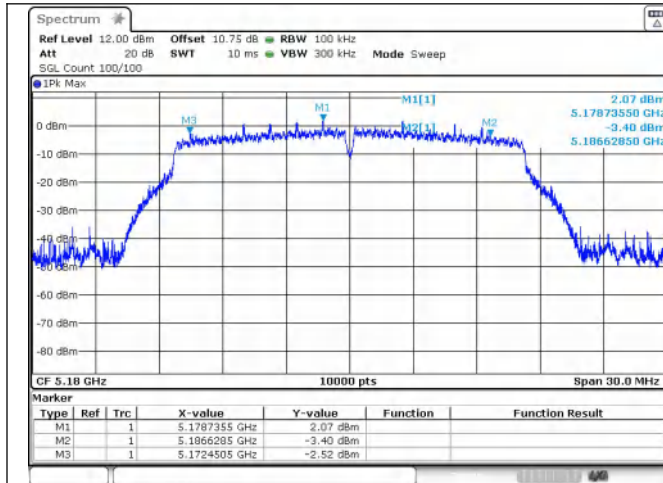
**IEEE 802.11ax Channel 42 80MHz Antenna 1**

## 6dB Bandwidth

### Test Result

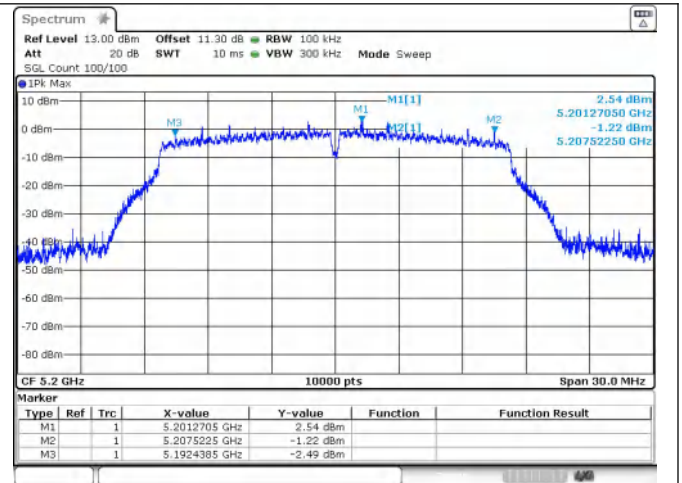
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	N/A	1	5180	14.18	0.5	PASS
	40			5200	15.08		PASS
	48			5240	15.05		PASS
IEEE 802.11n_20	36			5180	15.06		PASS
	40			5200	15.05		PASS
	48			5240	15.01		PASS
IEEE 802.11n_40	38			5190	35.07		PASS
	46			5230	35.04		PASS
IEEE 802.11ac_20	36			5180	15.06		PASS
	40			5200	15.09		PASS
	48			5240	15.08		PASS
IEEE 802.11ac_40	38			5190	35.07		PASS
	46	5230	35.05	PASS			
IEEE 802.11ac_80	42	5210	75.04	PASS			
IEEE 802.11ax_20	36	SU	5180	15.16	PASS		
	40		5200	15.14	PASS		
	48		5240	15.18	PASS		
IEEE 802.11ax_40	38		5190	34.98	PASS		
	46		5230	35.07	PASS		
IEEE 802.11ax_80	42		5210	70.02	PASS		

### Test Graphs



Date: 6.FEB.2024 11:55:33

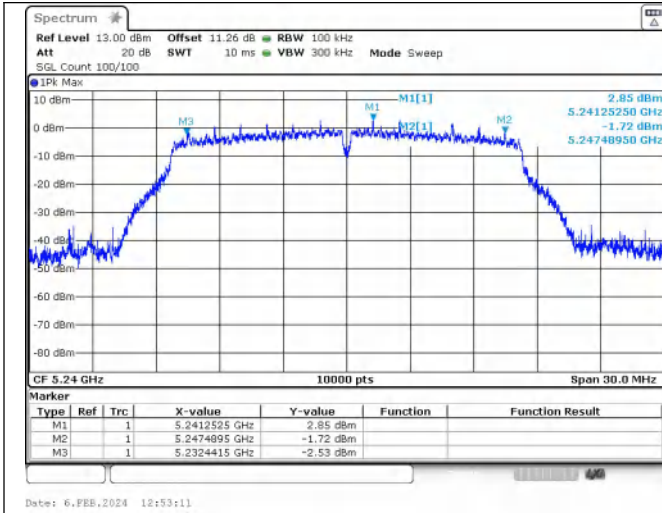
IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1



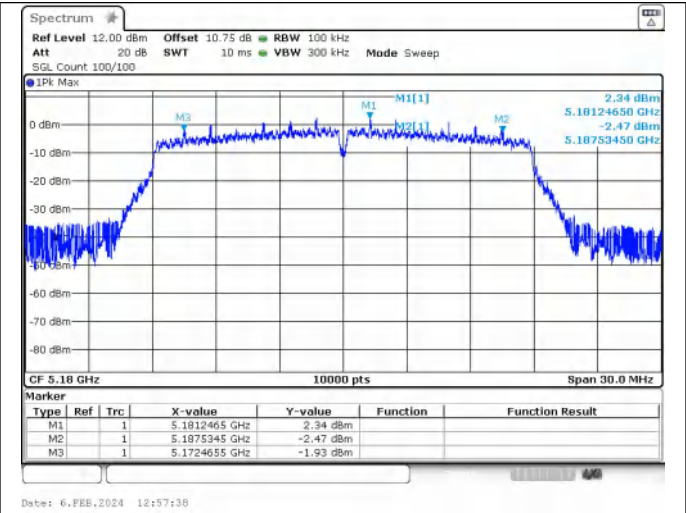
Date: 6.FEB.2024 12:00:44

IEEE 802.11a\_Channel 40\_20MHz\_Antenna 1

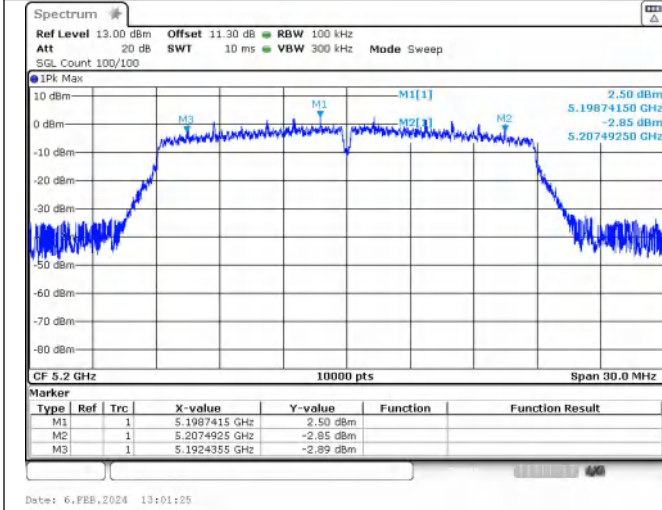




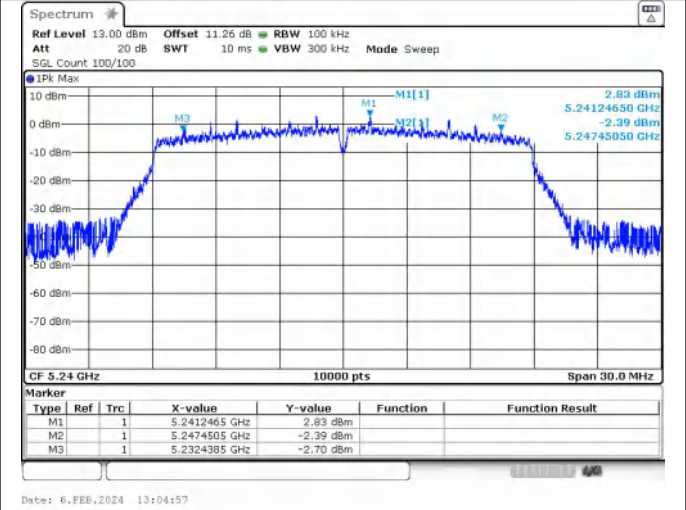
IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1



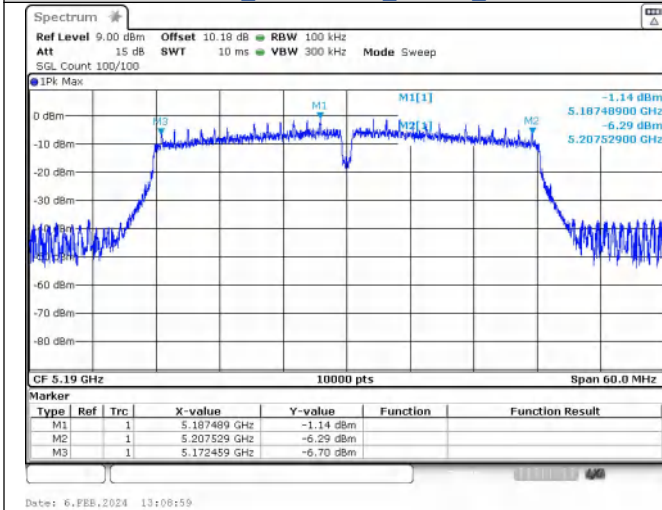
IEEE 802.11n\_Channel 36\_20MHz\_Antenna 1



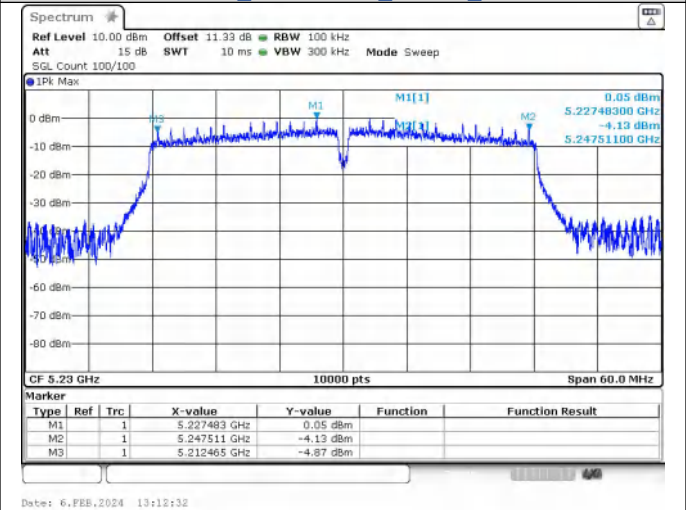
IEEE 802.11n\_Channel 40\_20MHz\_Antenna 1



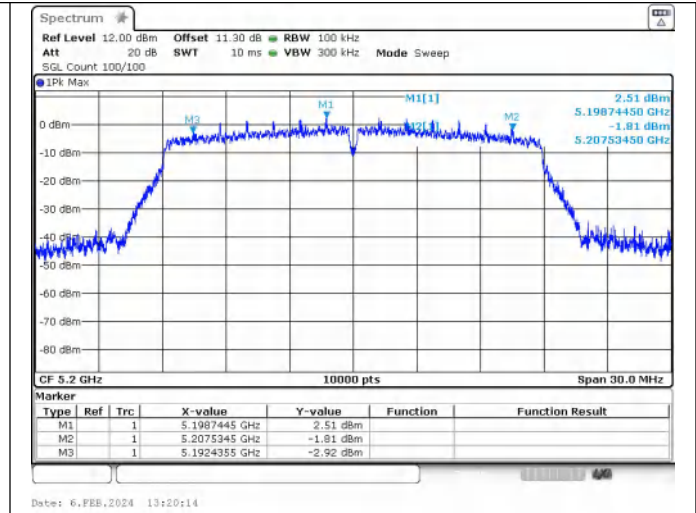
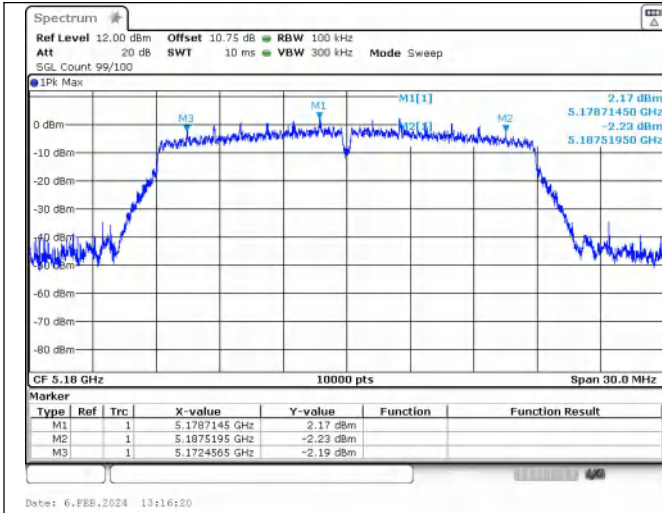
IEEE 802.11n\_Channel 48\_20MHz\_Antenna 1



IEEE 802.11n\_Channel 38\_40MHz\_Antenna 1

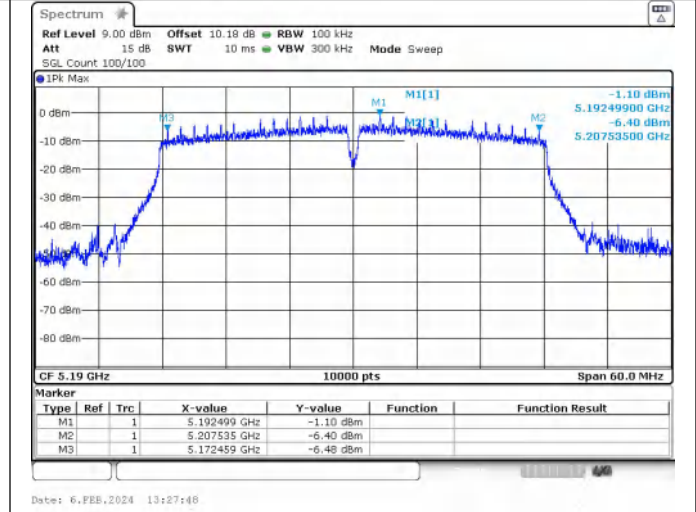
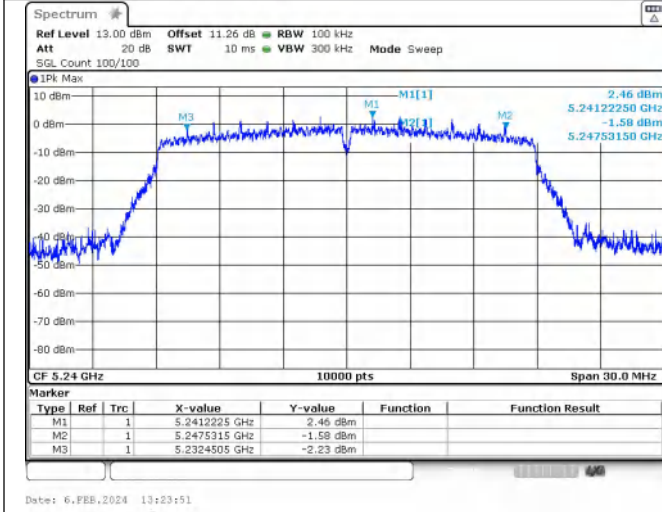


IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1



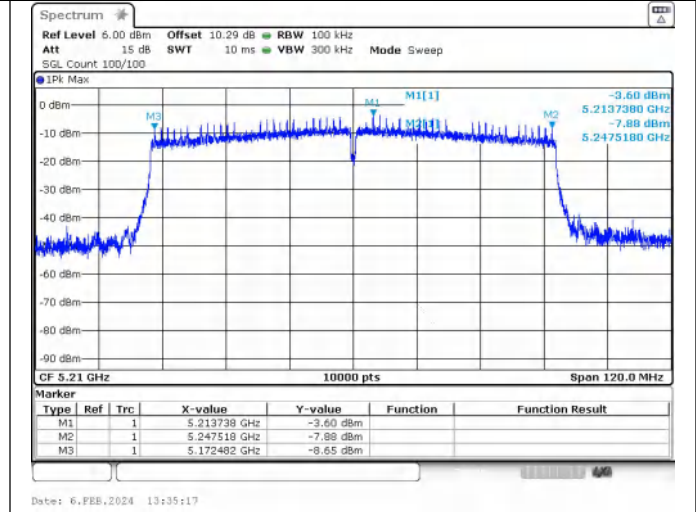
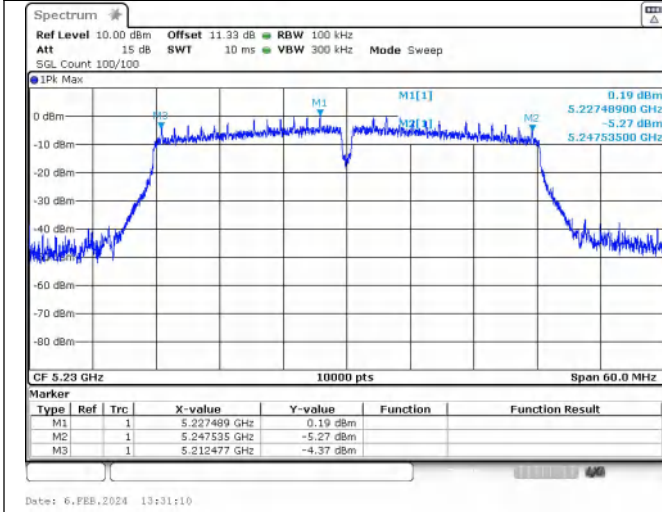
IEEE 802.11ac\_Channel 36\_20MHz\_Antenna 1

IEEE 802.11ac\_Channel 40\_20MHz\_Antenna 1



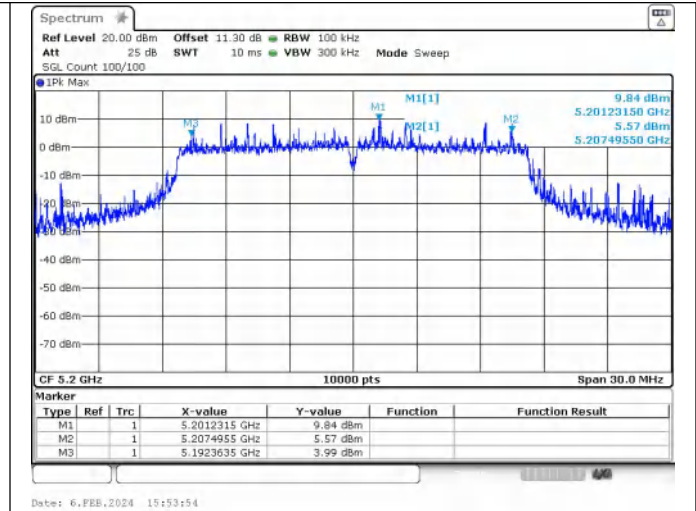
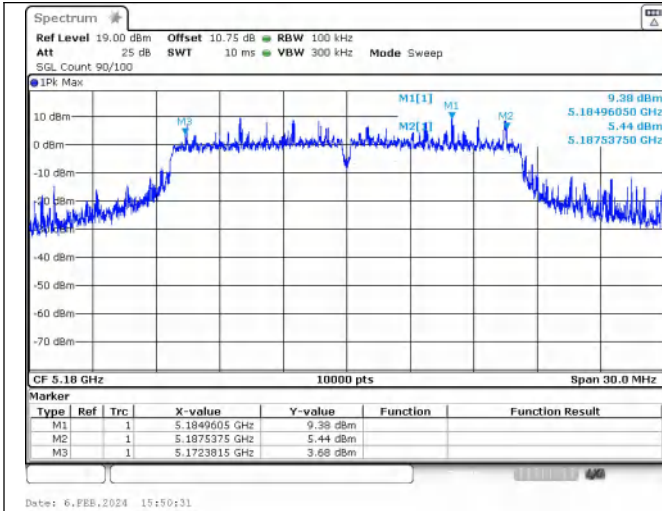
IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1

IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



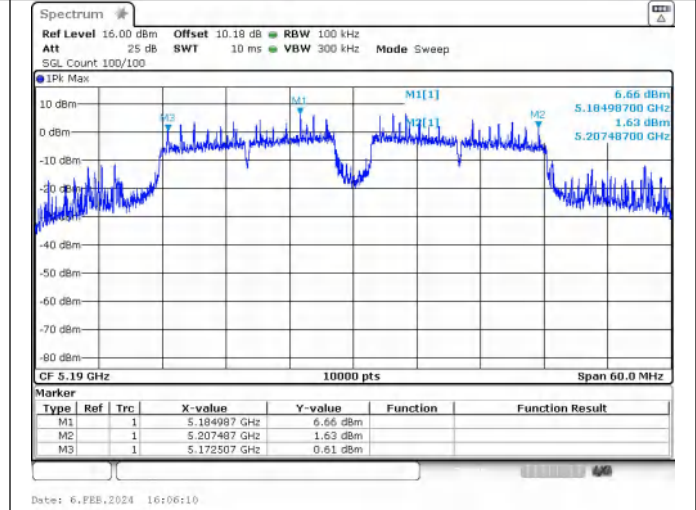
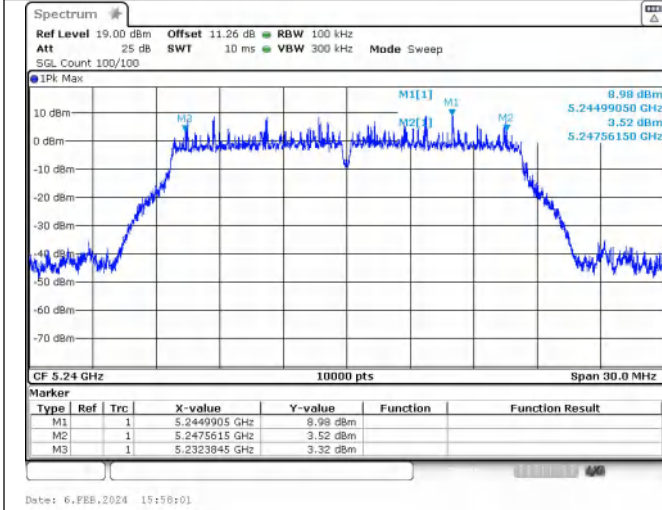
IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1

IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1



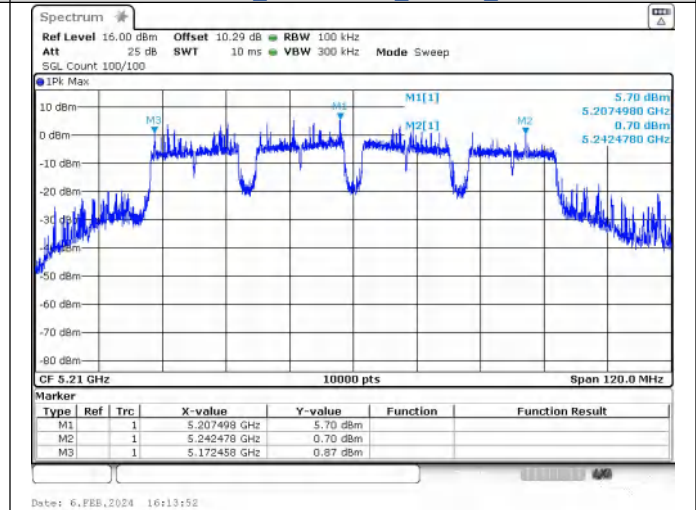
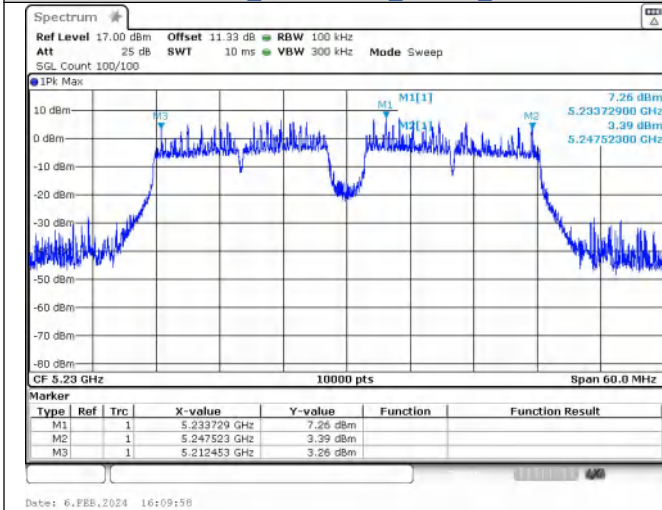
IEEE 802.11ax\_Channel 36\_20MHz\_Antenna 1

IEEE 802.11ax\_Channel 40\_20MHz\_Antenna 1



IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1

IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1



IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1

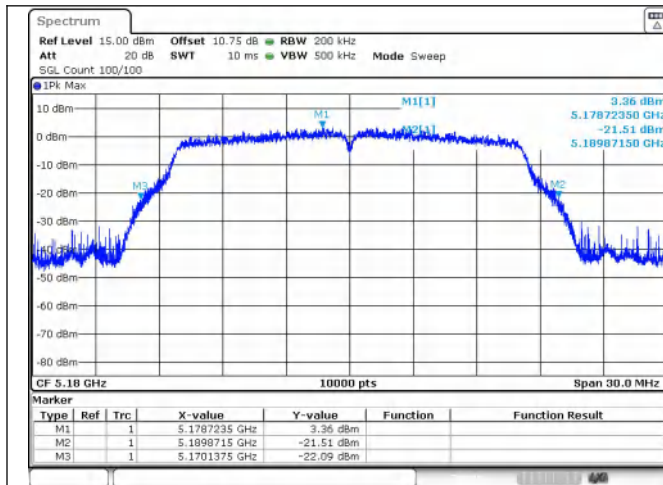
IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1

## 26dB Bandwidth

### Test Result

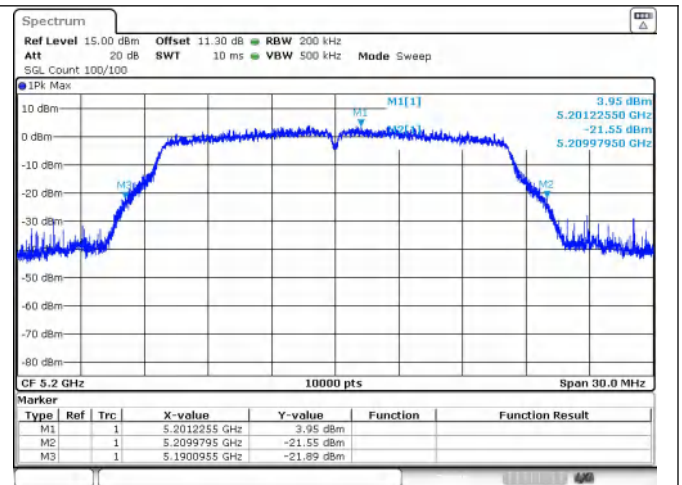
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	N/A	1	5180	19.73	1.13
	40			5200	19.88	1.11
	48			5240	19.85	1.12
IEEE 802.11n_20	36			5180	20.12	1.11
	40			5200	20.15	1.11
	48			5240	20.15	1.11
IEEE 802.11n_40	38			5190	40.50	1.05
	46			5230	40.63	1.05
IEEE 802.11ac_20	36			5180	20.03	1.12
	40			5200	20.06	1.12
	48			5240	20.27	1.1
IEEE 802.11ac_40	38			5190	40.70	1.06
	46	5230	40.84	1.04		
IEEE 802.11ac_80	42	5210	80.87	1.03		
	36	5180	30.00	1.0		
IEEE 802.11ax_20	40	SU	1	5200	30.00	1.0
	48			5240	18.91	1.15
	38			5190	59.04	1.03
IEEE 802.11ax_40	46			5230	44.59	1.14
	42			5210	108.83	1.0

### Test Graphs



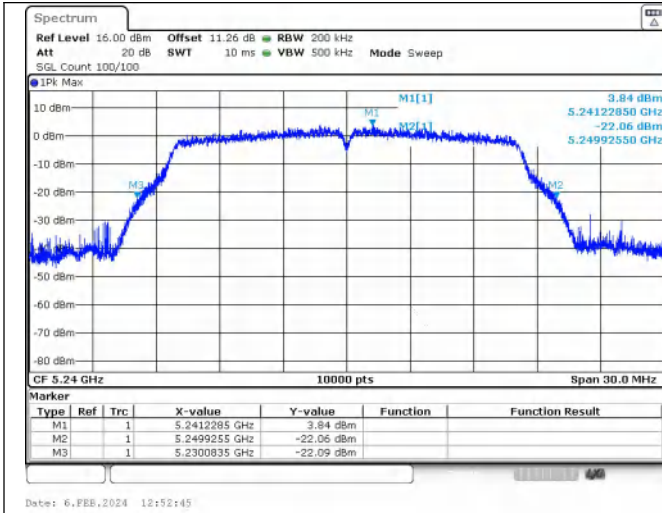
Date: 6.FEB.2024 11:55:06

IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1

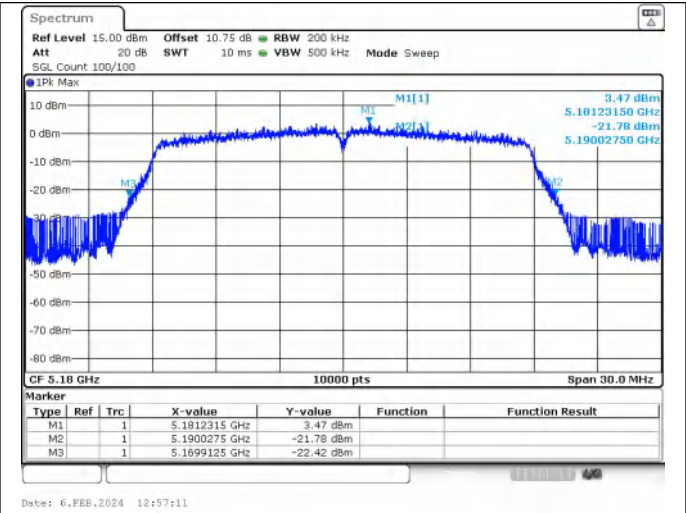


Date: 6.FEB.2024 12:00:16

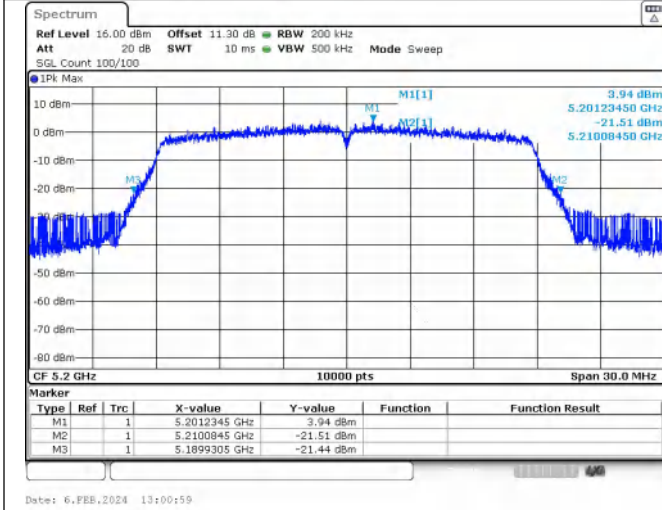
IEEE 802.11a\_Channel 40\_20MHz\_Antenna 1



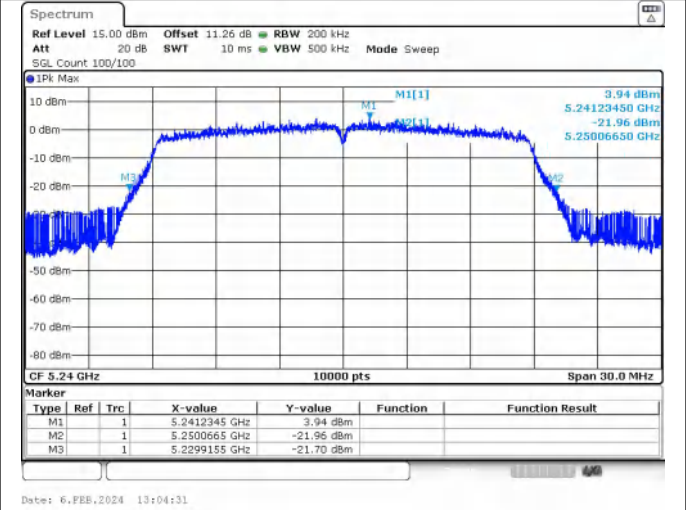
IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1



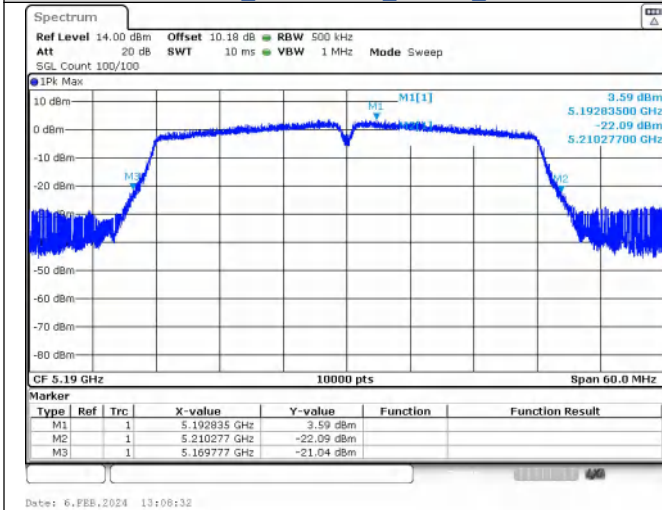
IEEE 802.11n\_Channel 36\_20MHz\_Antenna 1



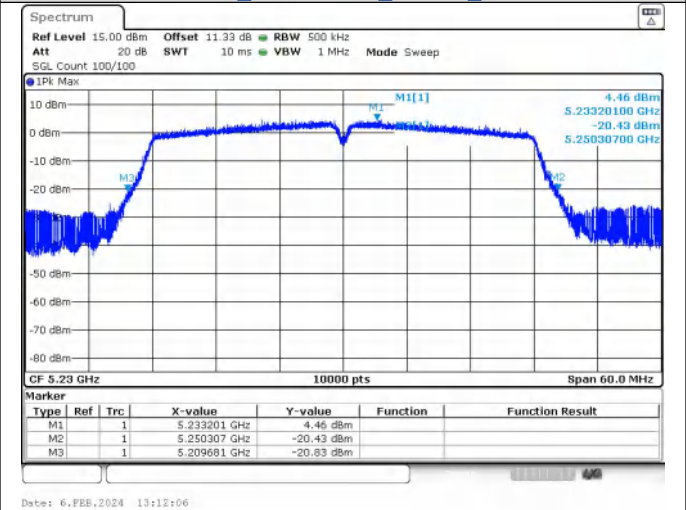
IEEE 802.11n\_Channel 40\_20MHz\_Antenna 1



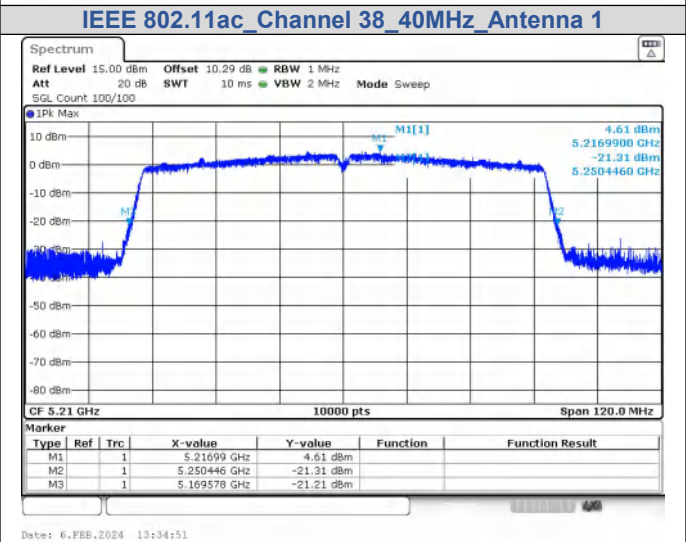
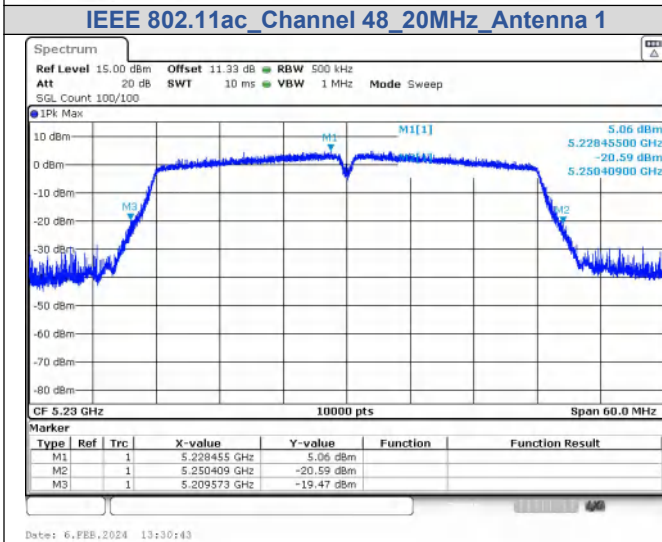
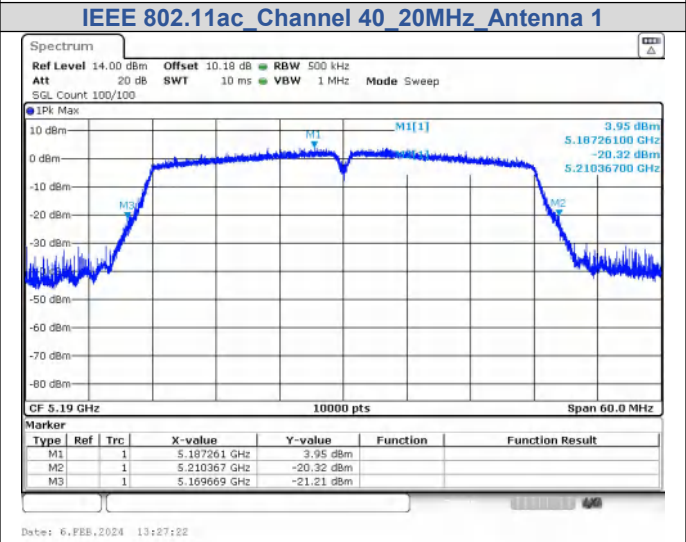
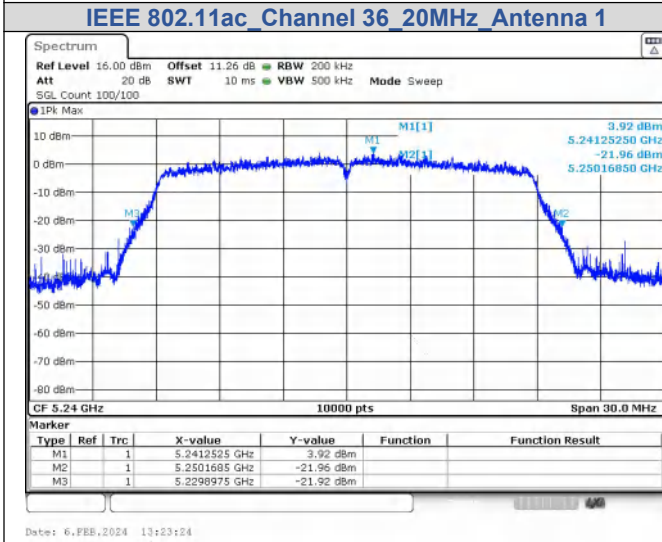
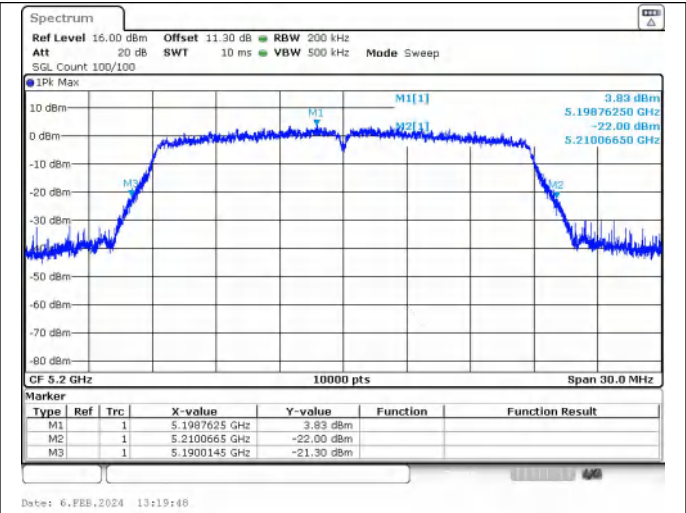
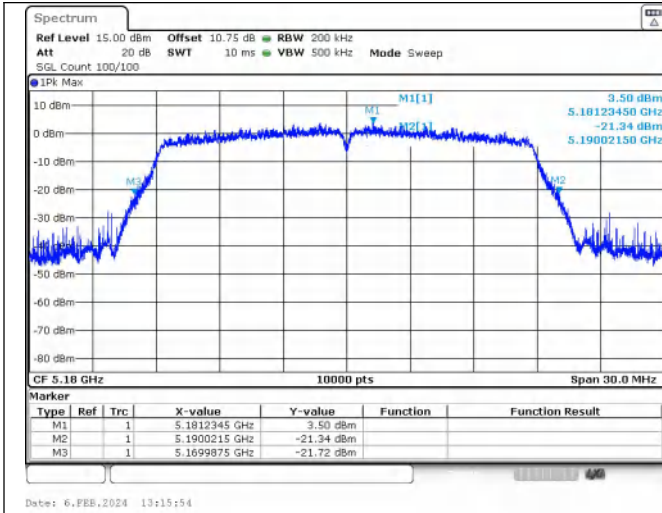
IEEE 802.11n\_Channel 48\_20MHz\_Antenna 1



IEEE 802.11n\_Channel 38\_40MHz\_Antenna 1

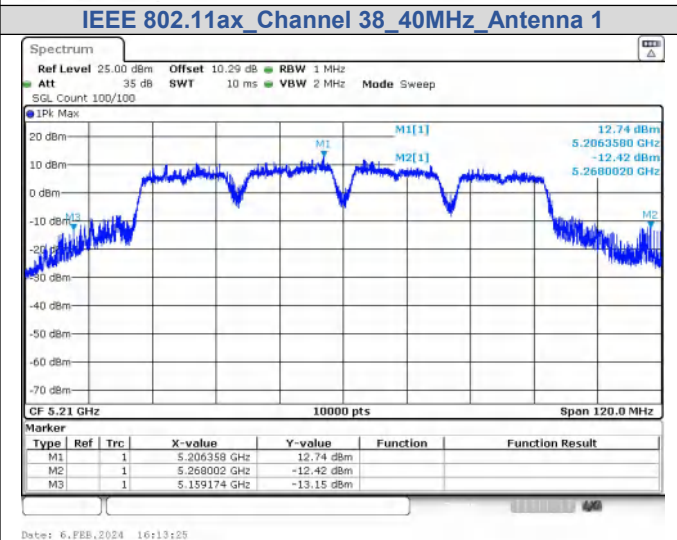
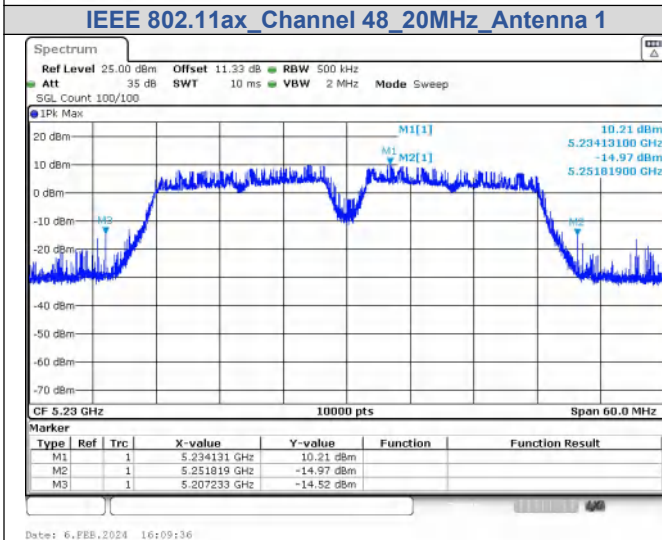
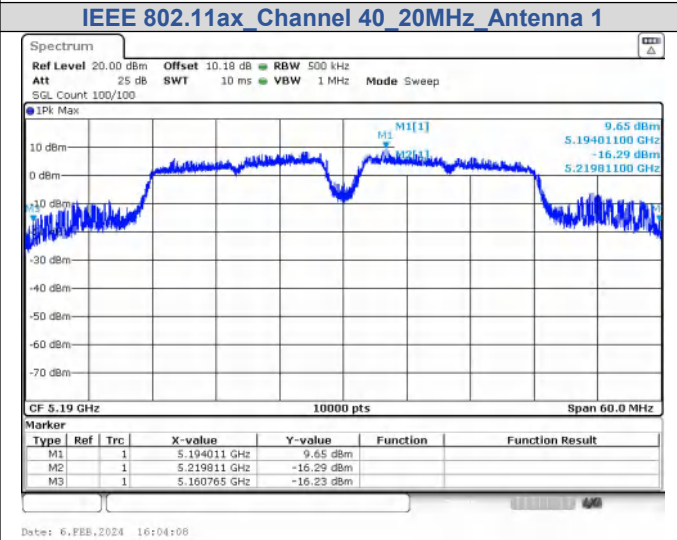
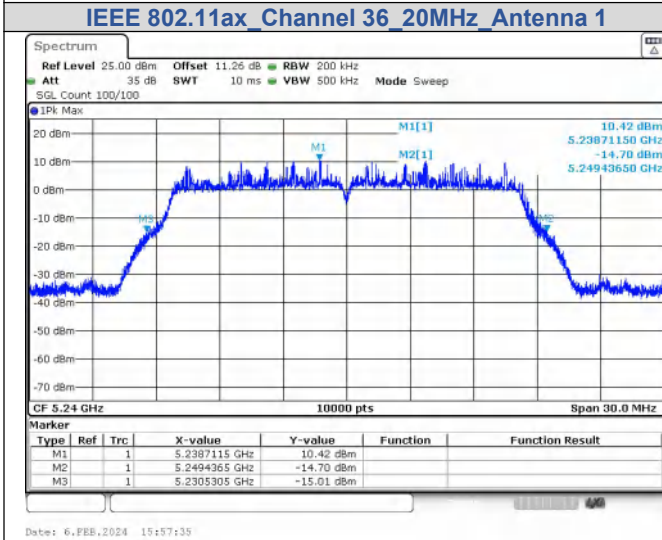
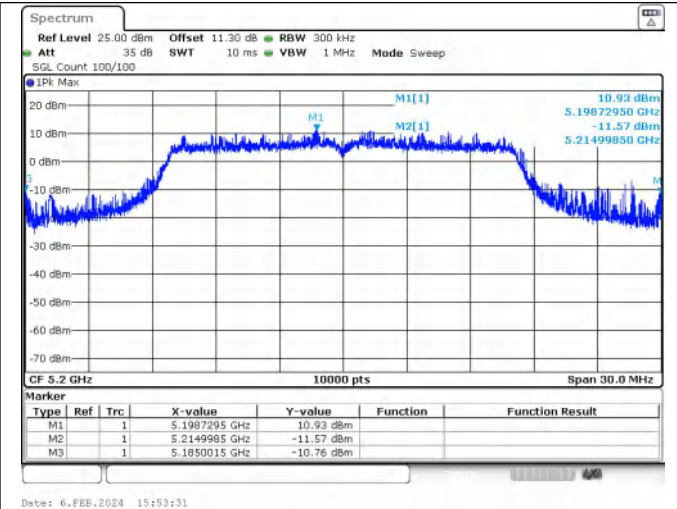
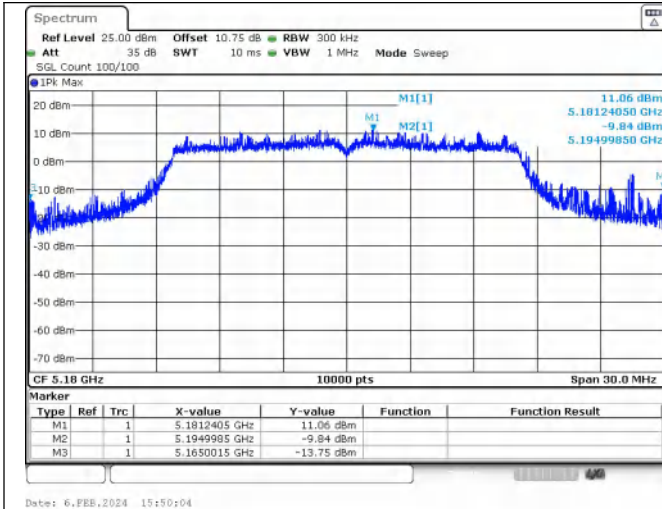


IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1



**IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1**

**IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1**



**IEEE 802.11ax Channel 46 40MHz Antenna 1**

**IEEE 802.11ax Channel 42 80MHz Antenna 1**

## Conducted Out Of Band Emission

### Test Result

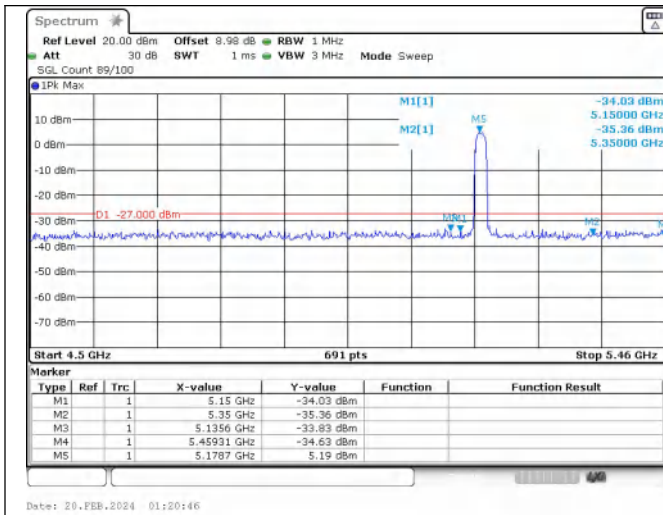
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11a	36	N/A	1	5135.60	-33.828	-27	-7	PASS
				5149.40	-44.551	-27	-17.550	PASS
				5150.00	-34.030	-27	-7	PASS
				5350.00	-35.362	-27	-8	PASS
				5459.31	-34.630	-27	-8	PASS
	22041.0			-46.581	-27	-19.580	PASS	
	40			5144.45	-47.001	-27	-20.000	PASS
				5149.49	-36.230	-27	-9	PASS
				5150.00	-36.230	-27	-9	PASS
				5350.00	-35.675	-27	-9	PASS
				5459.31	-35.614	-27	-9	PASS
	48			8320.10	-47.490	-27	-20.490	PASS
				5066.12	-48.802	-27	-21.800	PASS
				5148.10	-34.700	-27	-8	PASS
				5150.00	-35.465	-27	-8	PASS
5350.00		-35.904	-27	-9	PASS			
IEEE 802.11n_20	36	N/A	1	5459.31	-35.414	-27	-8	PASS
				21998.5	-47.107	-27	-20.110	PASS
				5142.58	-47.545	-27	-20.550	PASS
				5149.49	-35.617	-27	-9	PASS
				5150.00	-35.617	-27	-9	PASS
	40			5350.00	-35.360	-27	-8	PASS
				5459.31	-32.860	-27	-6	PASS
				16274.4	-47.954	-27	-20.950	PASS
				5042.57	-49.122	-27	-22.120	PASS
				5148.10	-34.545	-27	-8	PASS
	48			5150.00	-35.983	-27	-9	PASS
				5350.00	-36.651	-27	-10	PASS
				5459.31	-36.148	-27	-9	PASS
				16617.6	-47.622	-27	-20.620	PASS
				5074.82	-48.228	-27	-21.230	PASS
IEEE 802.11n_40	38	N/A	1	5149.49	-36.606	-27	-10	PASS
				5150.00	-36.606	-27	-10	PASS
				5350.00	-35.649	-27	-9	PASS
				5459.31	-35.074	-27	-8	PASS
				16382.5	-47.453	-27	-20.450	PASS
	46			5001.95	-46.986	-27	-19.990	PASS
				5148.10	-35.460	-27	-8	PASS
				5150.00	-36.934	-27	-10	PASS
				5350.00	-36.276	-27	-9	PASS
				5459.31	-34.179	-27	-7	PASS
	36			18276.1	-47.286	-27	-20.290	PASS
				5141.55	-49.110	-27	-22.110	PASS
				5148.10	-35.375	-27	-8	PASS
				5150.00	-35.625	-27	-9	PASS
				5350.00	-34.409	-27	-7	PASS
IEEE 802.11ac_20	36	N/A	1	5445.41	-32.920	-27	-6	PASS
				17683.3	-47.156	-27	-20.160	PASS
				5140.70	-47.915	-27	-20.920	PASS
5149.49	-34.346			-27	-7	PASS		
5150.00	-34.346			-27	-7	PASS		



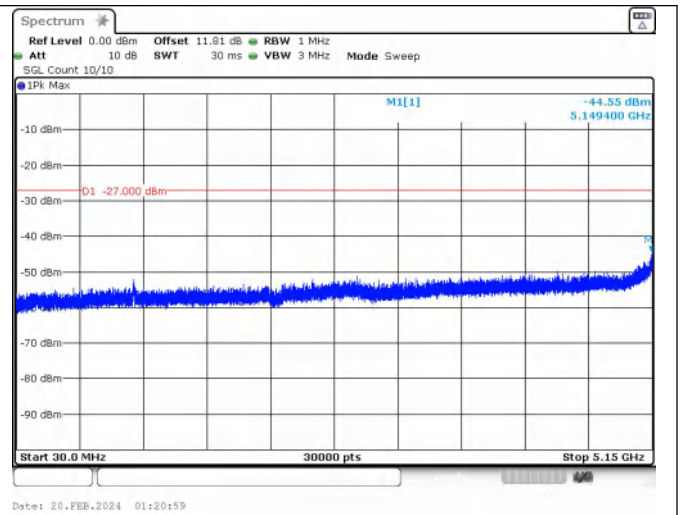
	40	SU	5350.00	-35.599	-27	-9	PASS
			5457.92	-35.157	-27	-8	PASS
			22016.2	-47.966	-27	-20.970	PASS
			5130.80	-48.468	-27	-21.470	PASS
			5148.10	-35.104	-27	-8	PASS
			5150.00	-36.771	-27	-10	PASS
			5350.00	-35.818	-27	-9	PASS
			5459.31	-33.832	-27	-7	PASS
	22008.3		-47.912	-27	-20.910	PASS	
	5145.65		-48.894	-27	-21.890	PASS	
	5148.10		-34.823	-27	-8	PASS	
	5150.00		-37.957	-27	-11	PASS	
	5350.00		-35.035	-27	-8	PASS	
	5457.92		-34.923	-27	-8	PASS	
	16251.5		-47.539	-27	-20.540	PASS	
	IEEE 802.11ac_40		38	5148.10	-35.213	-27	-8
5149.91		-43.636		-27	-16.640	PASS	
5150.00		-36.271		-27	-9	PASS	
5350.00		-36.318		-27	-9	PASS	
5459.31		-35.087		-27	-8	PASS	
23335.3		-47.507	-27	-20.510	PASS		
46		5121.58	-48.474	-27	-21.470	PASS	
		5149.49	-34.951	-27	-8	PASS	
		5150.00	-34.951	-27	-8	PASS	
		5350.00	-36.644	-27	-10	PASS	
	5459.31	-34.815	-27	-8	PASS		
IEEE 802.11ac_80	42	15953.5	-47.525	-27	-20.530	PASS	
		5143.77	-48.452	-27	-21.450	PASS	
		5148.10	-34.938	-27	-8	PASS	
		5150.00	-35.380	-27	-8	PASS	
		5350.00	-34.411	-27	-7	PASS	
		5457.92	-34.305	-27	-7	PASS	
		21467.3	-47.710	-27	-20.710	PASS	
		971.31	-41.712	-27	-14.710	PASS	
IEEE 802.11ax_20	36	5149.49	-35.718	-27	-9	PASS	
		5150.00	-35.718	-27	-9	PASS	
		5350.00	-34.306	-27	-7	PASS	
		5452.51	-46.632	-27	-19.630	PASS	
		5457.92	-34.178	-27	-7	PASS	
		991.96	-43.448	-27	-16.450	PASS	
		5149.49	-35.203	-27	-8	PASS	
		5150.00	-35.203	-27	-8	PASS	
	40	5350.00	-35.081	-27	-8	PASS	
		5457.92	-34.032	-27	-7	PASS	
		17220.2	-47.179	-27	-20.180	PASS	
		1031.05	-41.747	-27	-14.750	PASS	
		5148.10	-34.504	-27	-8	PASS	
		5150.00	-35.855	-27	-9	PASS	
		5350.00	-35.473	-27	-8	PASS	
		5459.31	-34.203	-27	-7	PASS	
IEEE 802.11ax_40	38	15360.7	-47.192	-27	-20.190	PASS	
		5144.79	-38.399	-27	-11.400	PASS	
		5149.49	-35.334	-27	-8	PASS	
		5150.00	-35.334	-27	-8	PASS	
		5350.00	-34.581	-27	-8	PASS	
	46	5379.80	-46.492	-27	-19.490	PASS	
		5457.92	-34.332	-27	-7	PASS	
		1028.83	-42.638	-27	-15.640	PASS	
		5143.94	-34.446	-27	-7	PASS	

IEEE 802.11ax_80	42	5150.00	-35.477	-27	-8	PASS
		5350.00	-35.093	-27	-8	PASS
		5390.28	-46.736	-27	-19.740	PASS
		5459.31	-33.480	-27	-6	PASS
		5115.95	-28.056	-27	-1.060	PASS
		5146.71	-33.436	-27	-6	PASS
		5150.00	-34.592	-27	-8	PASS
		5350.00	-35.379	-27	-8	PASS
		5362.12	-43.977	-27	-16.980	PASS
5459.31	-34.518	-27	-8	PASS		

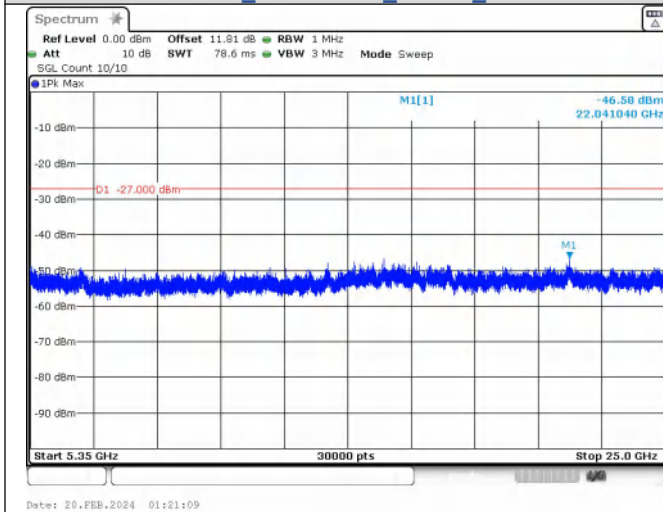
**Test Graphs**



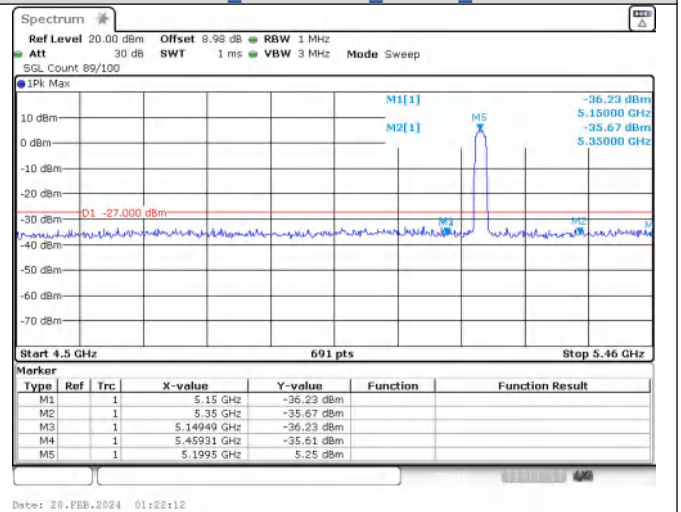
**Out Of Band Emission**  
IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1



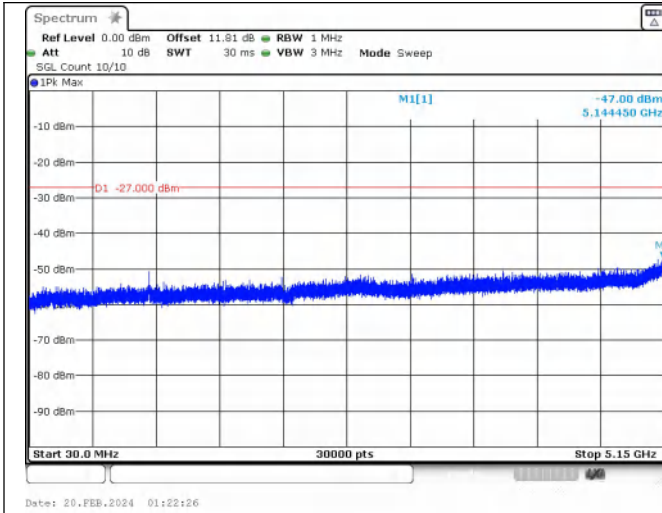
**Spurious Emission:30.0~5150 MHz**  
IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1



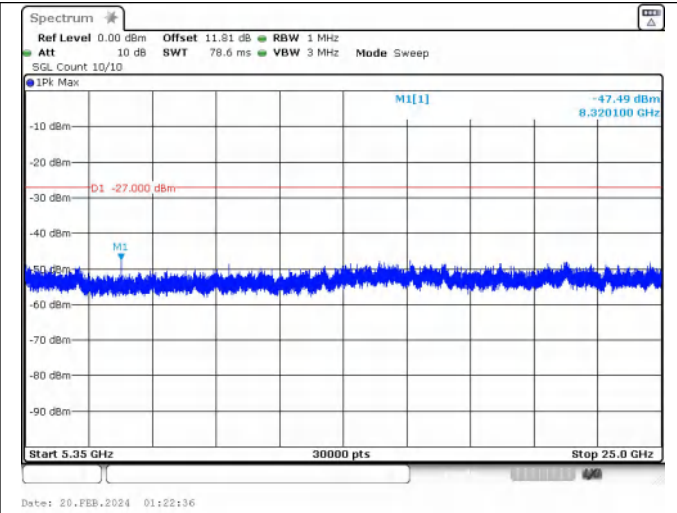
**Spurious Emission:5350~25000.0 MHz**  
IEEE 802.11a\_Channel 36\_20MHz\_Antenna 1



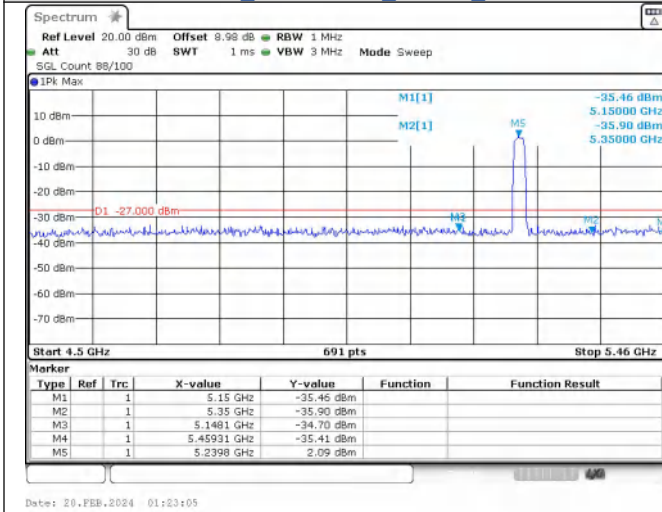
**Out Of Band Emission**  
IEEE 802.11a\_Channel 40\_20MHz\_Antenna 1



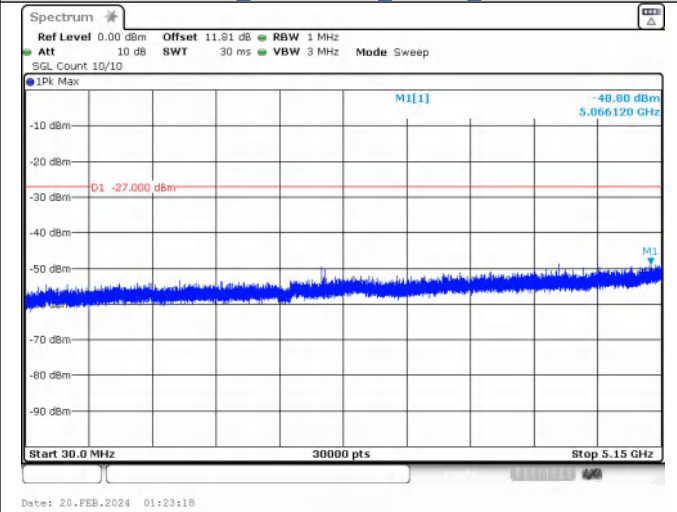
**Spurious Emission:30.0~5150 MHz**  
**IEEE 802.11a\_Channel 40\_20MHz\_Antenna 1**



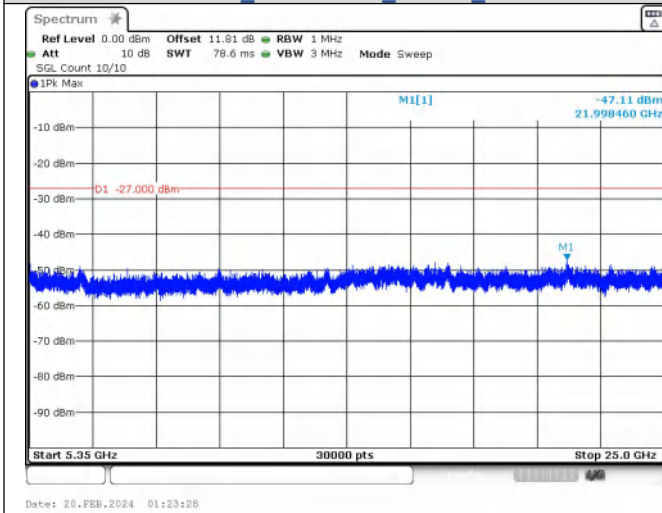
**Spurious Emission:5350~25000.0 MHz**  
**IEEE 802.11a\_Channel 40\_20MHz\_Antenna 1**



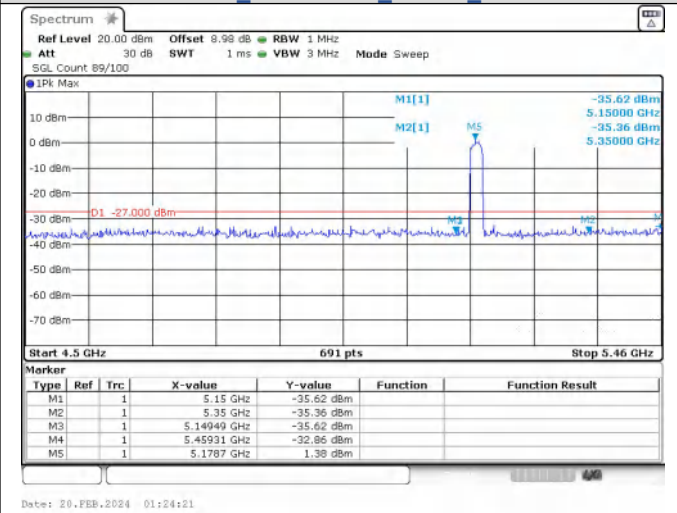
**Out Of Band Emission**  
**IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1**



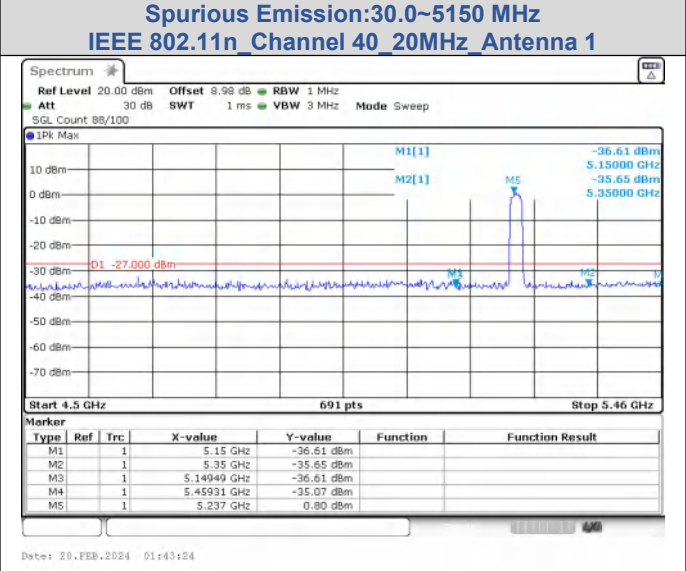
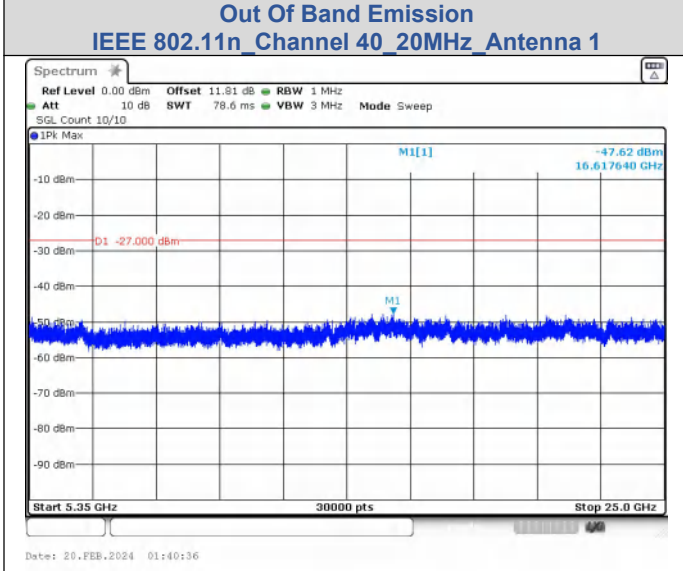
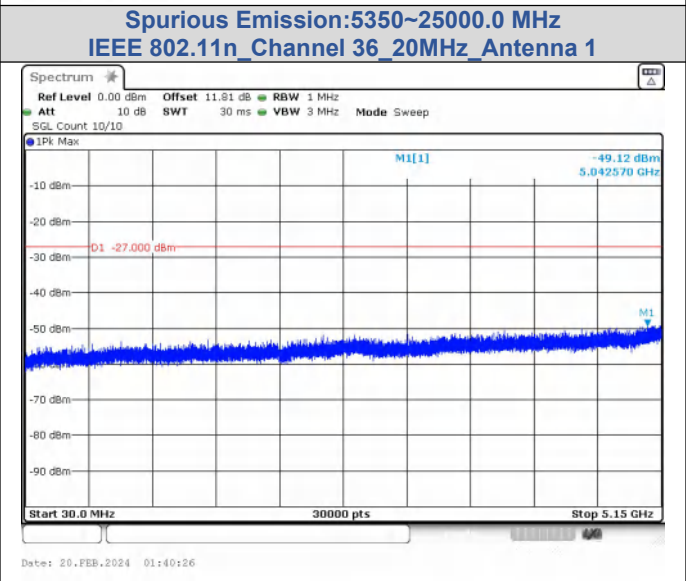
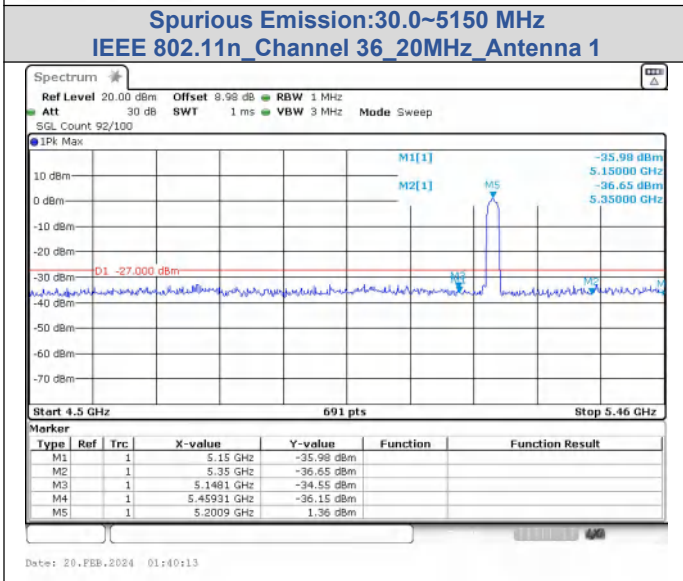
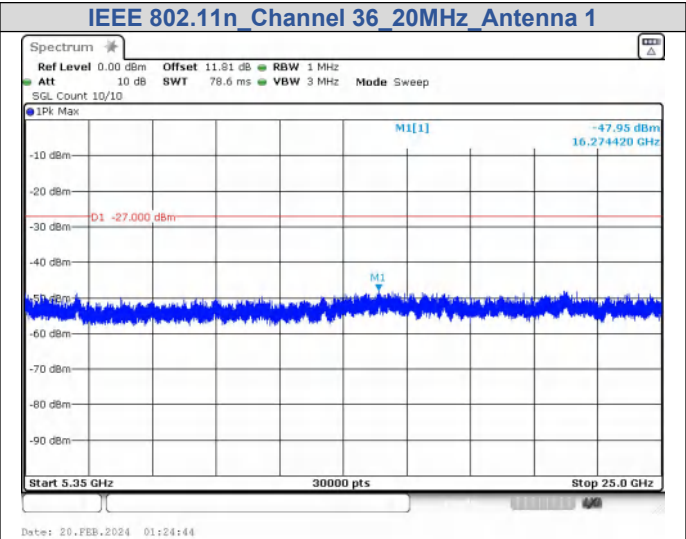
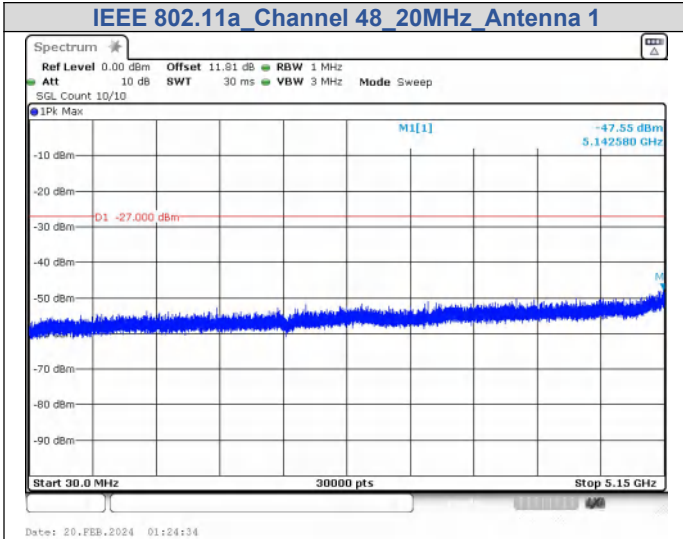
**Spurious Emission:30.0~5150 MHz**  
**IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1**

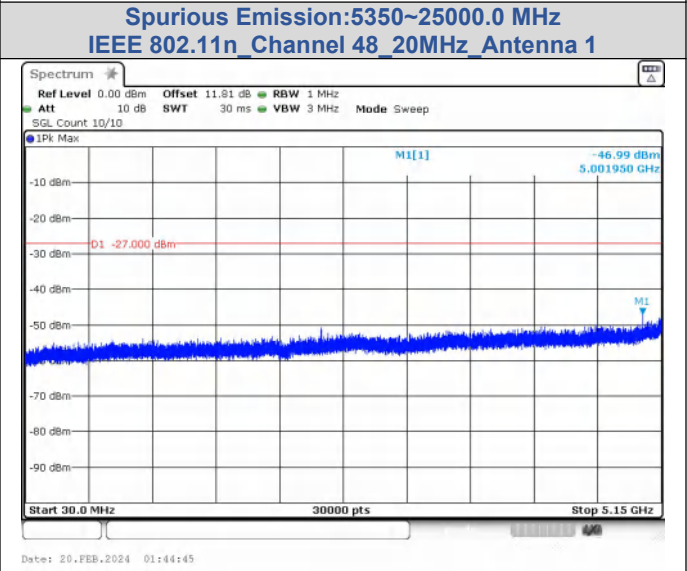
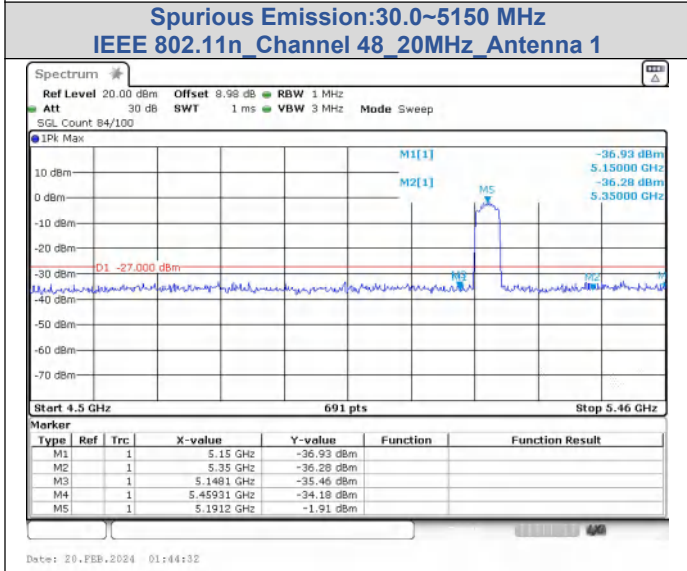
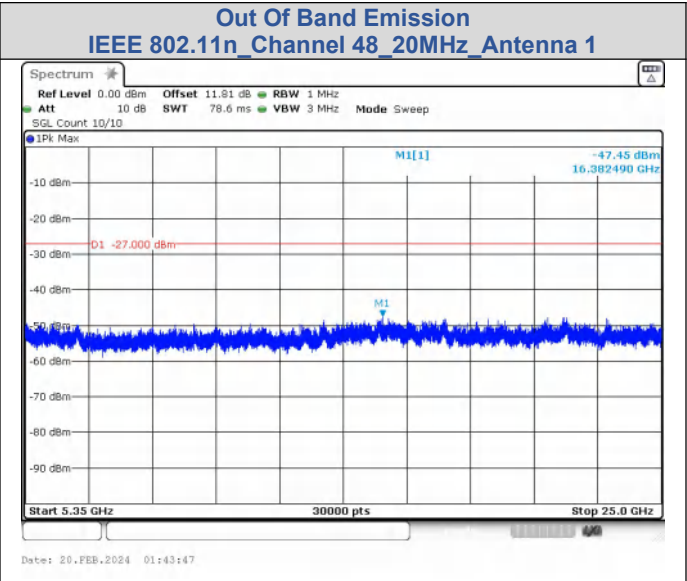
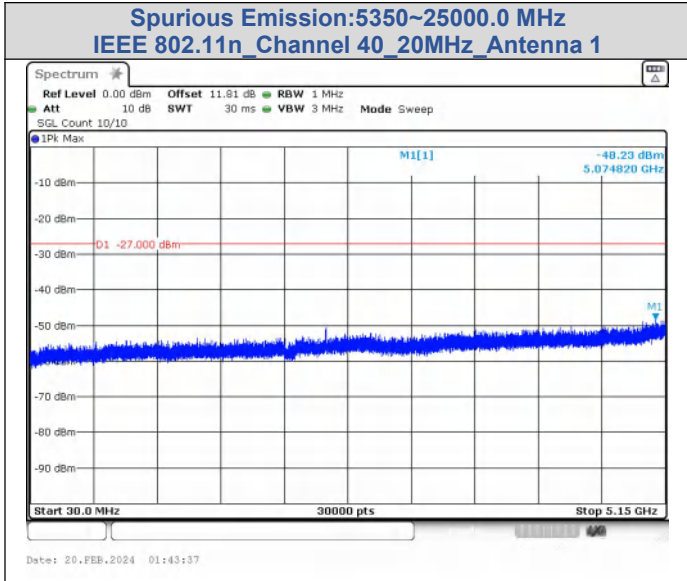


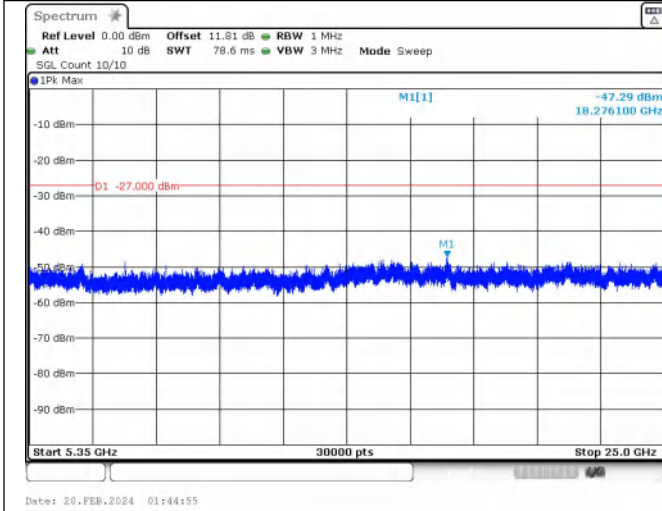
**Spurious Emission:5350~25000.0 MHz**



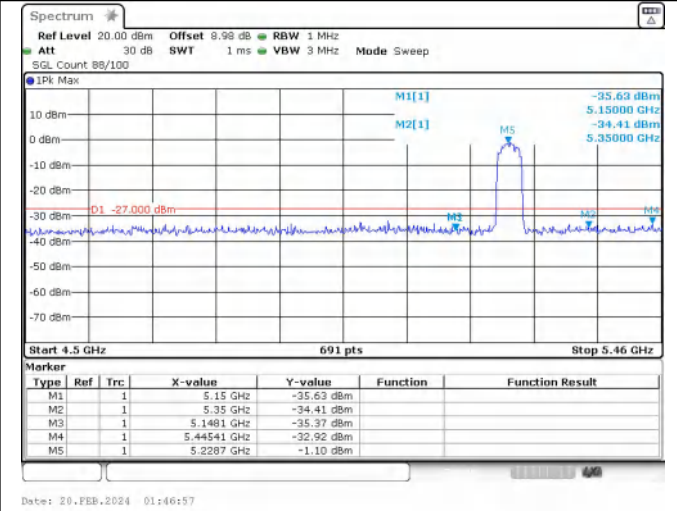
**Out Of Band Emission**



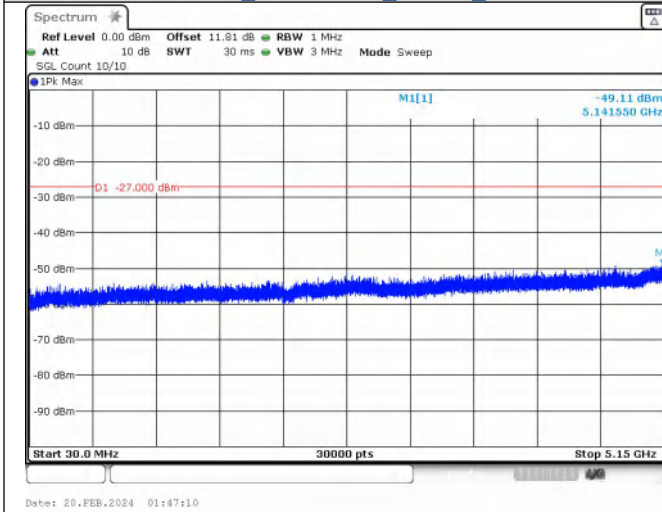




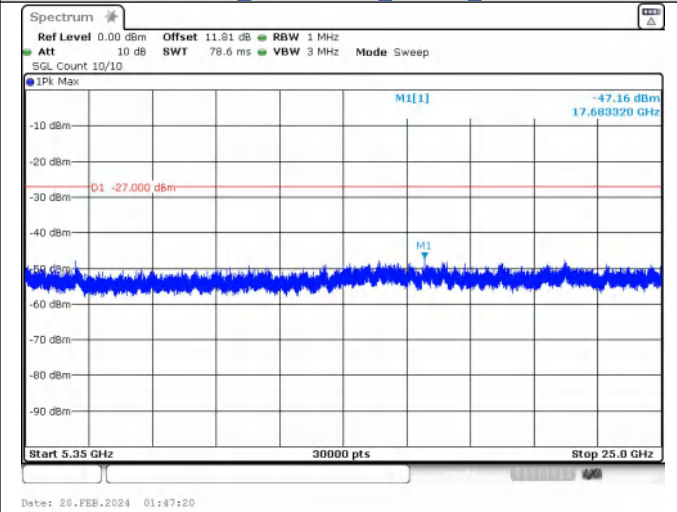
**Spurious Emission:5350~25000.0 MHz**  
**IEEE 802.11n\_Channel 38\_40MHz\_Antenna 1**



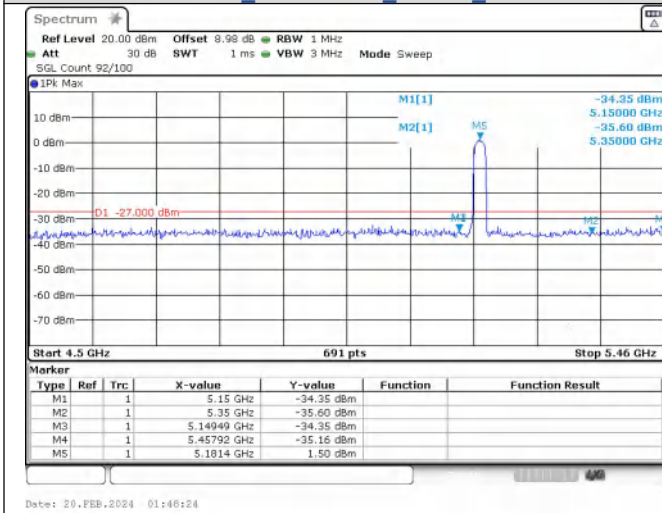
**Out Of Band Emission**  
**IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1**



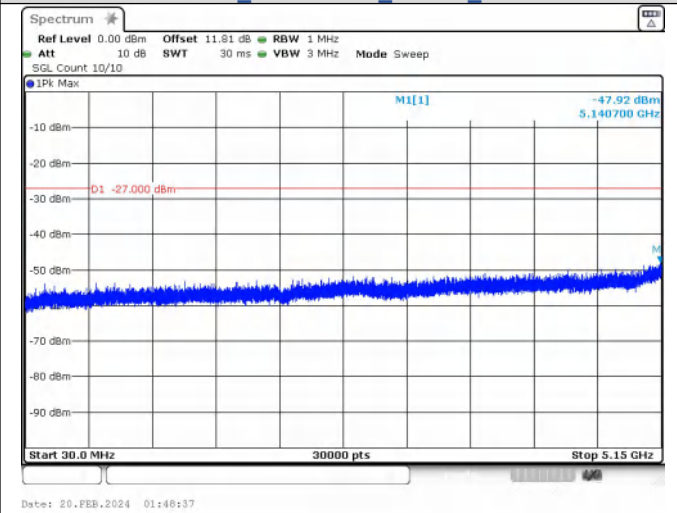
**Spurious Emission:30.0~5150 MHz**  
**IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1**



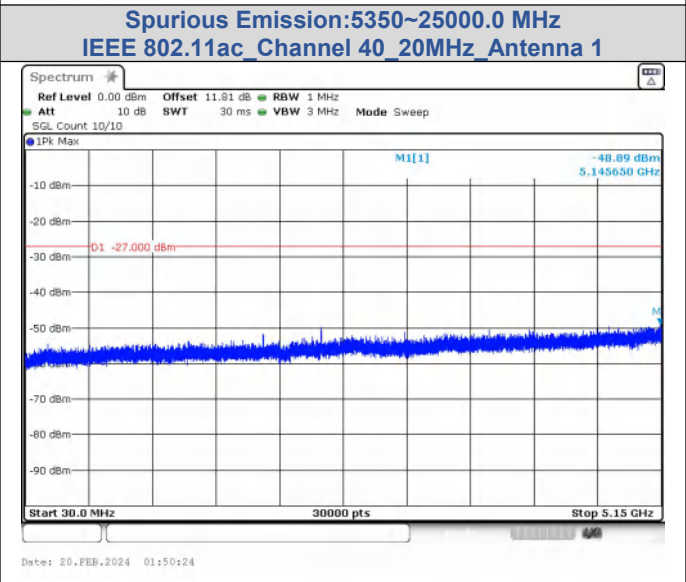
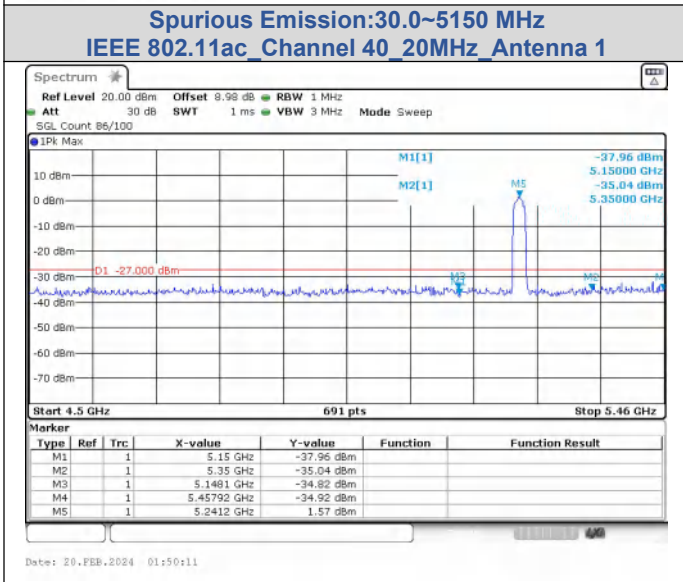
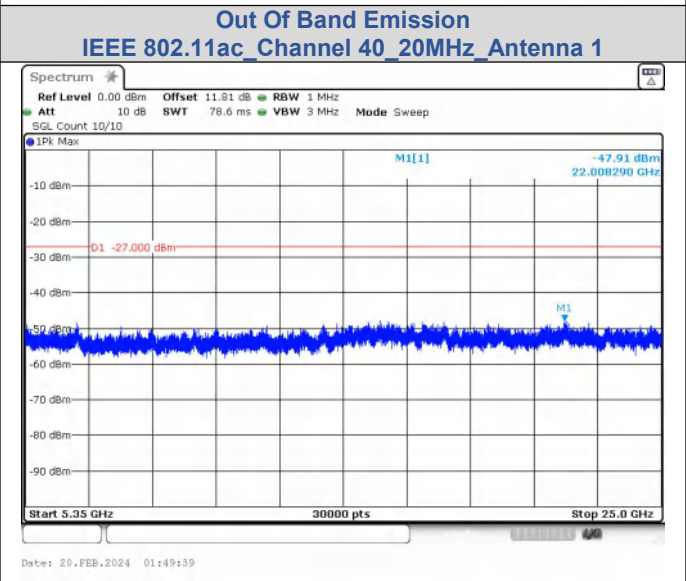
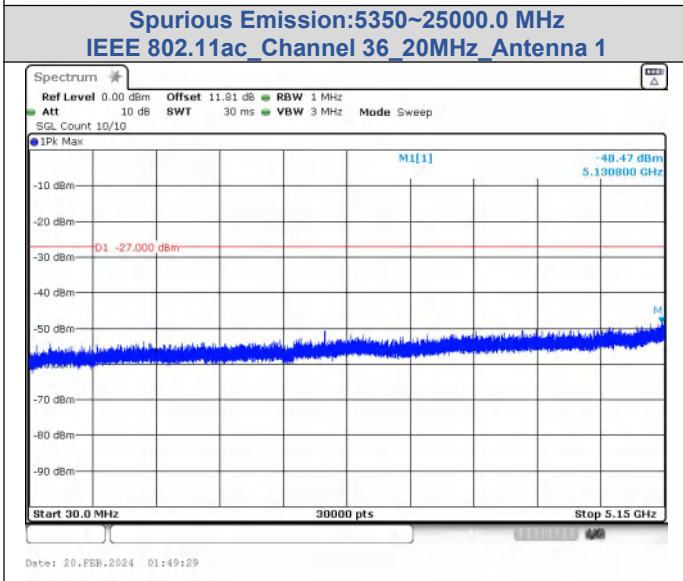
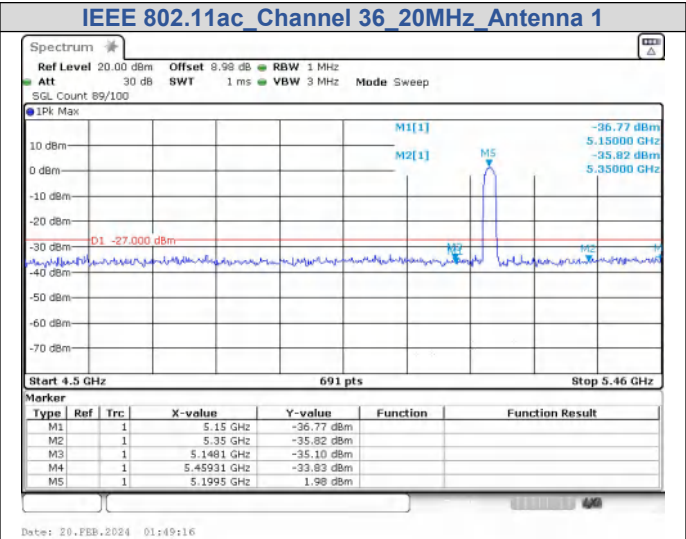
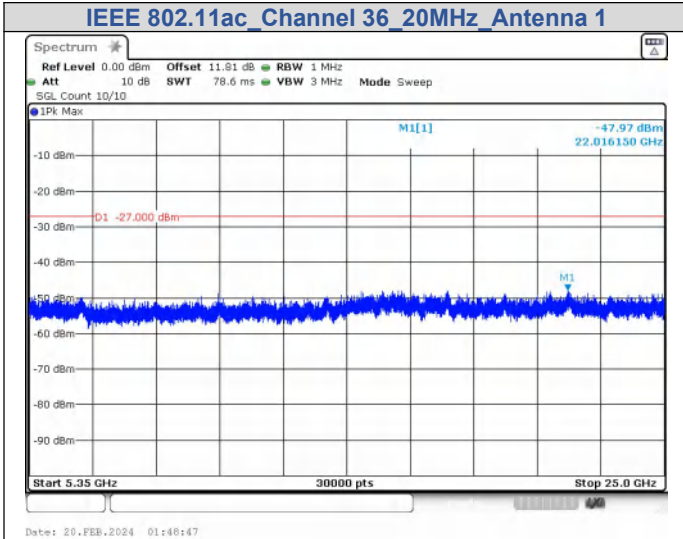
**Spurious Emission:5350~25000.0 MHz**  
**IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1**

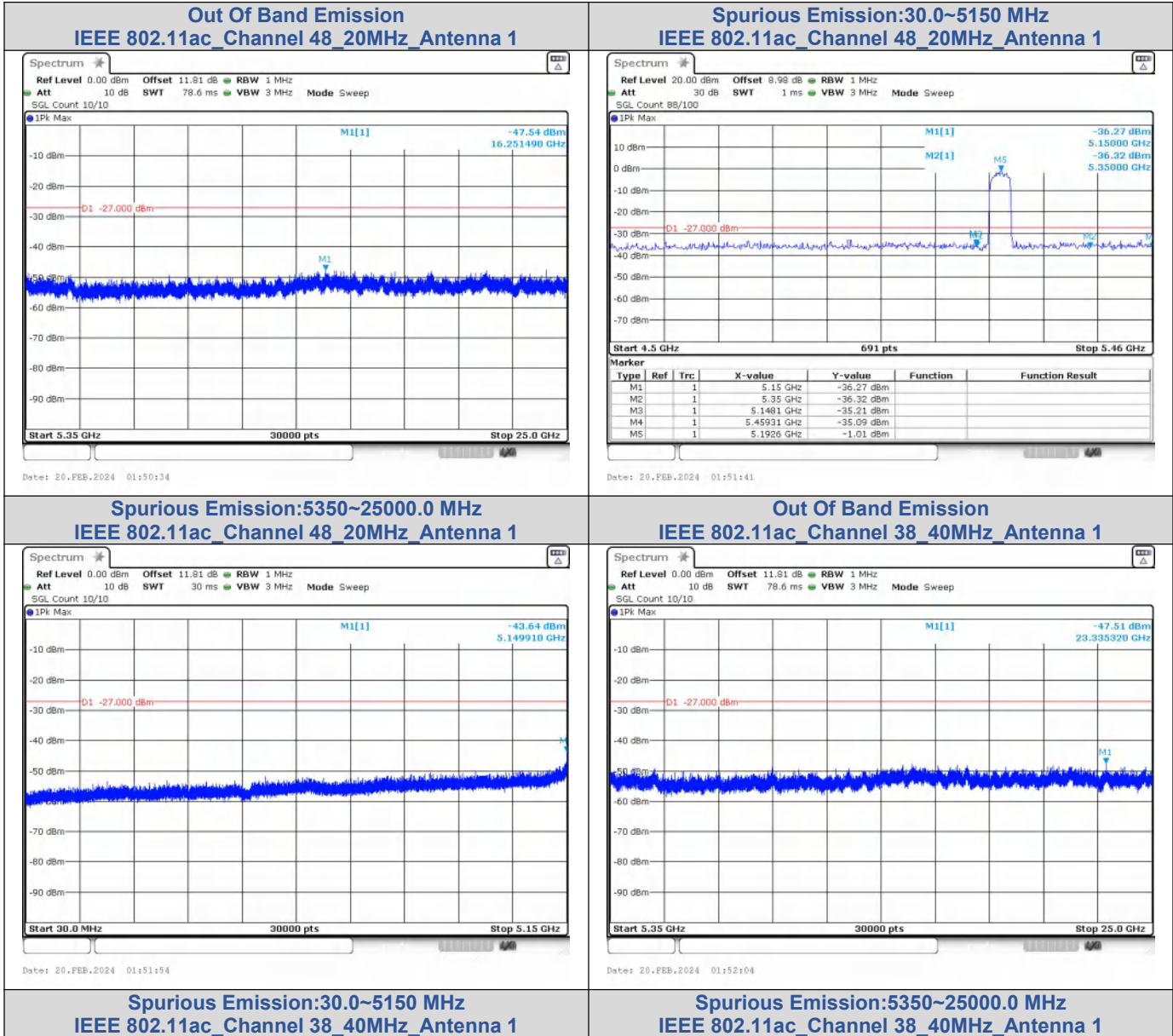


**Out Of Band Emission**

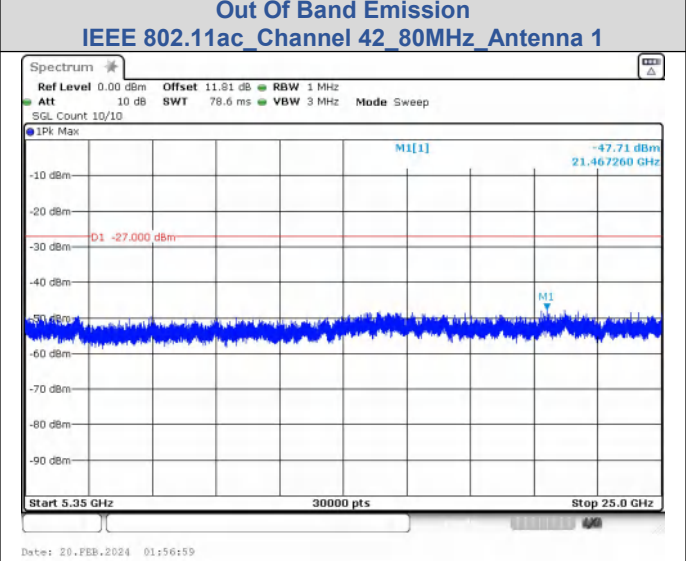
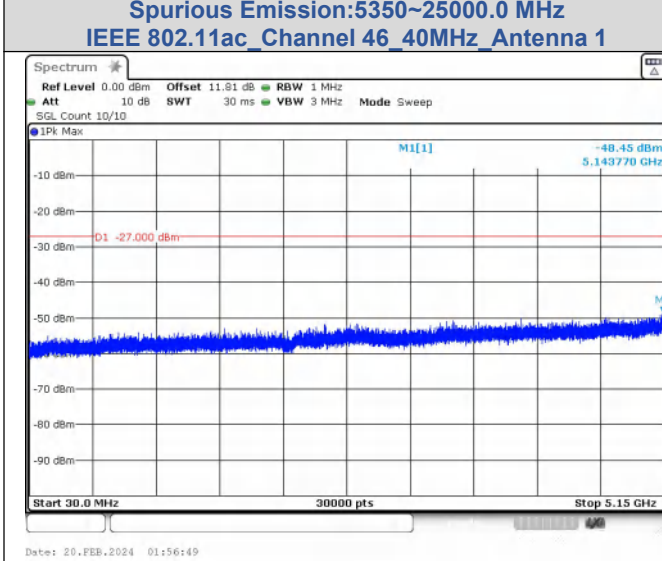
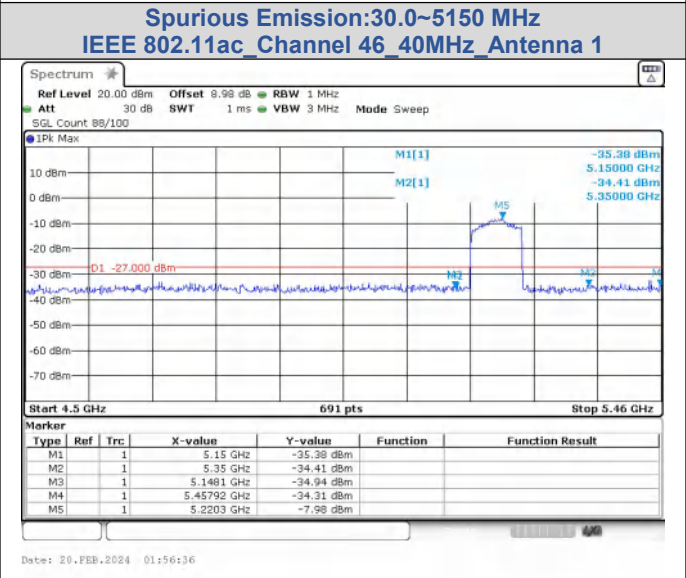
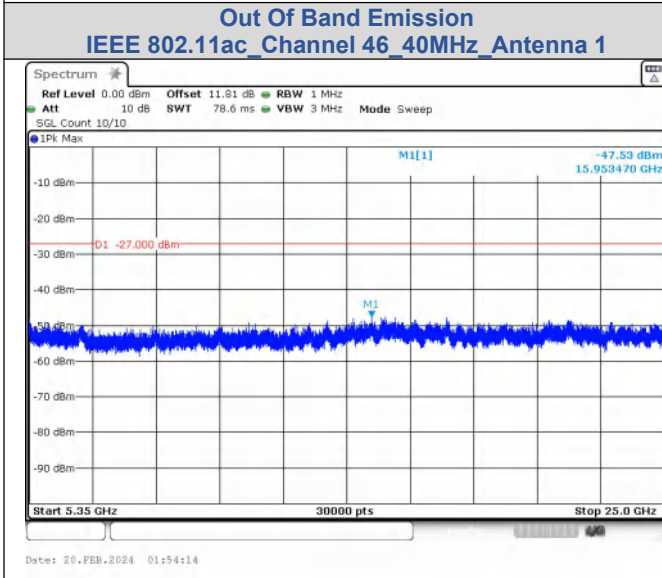
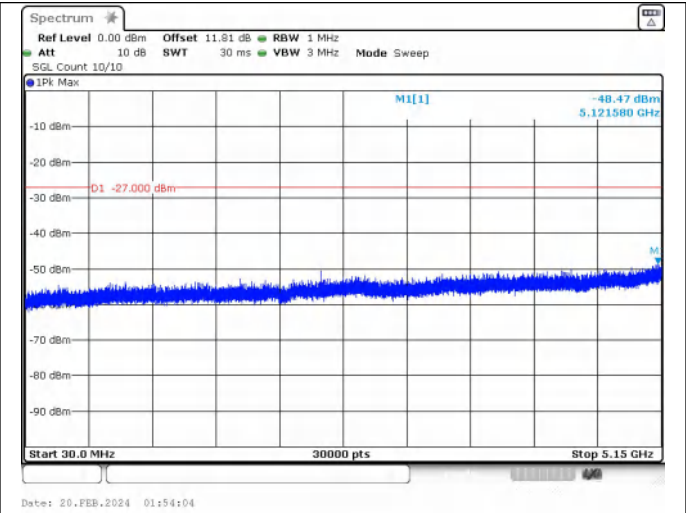
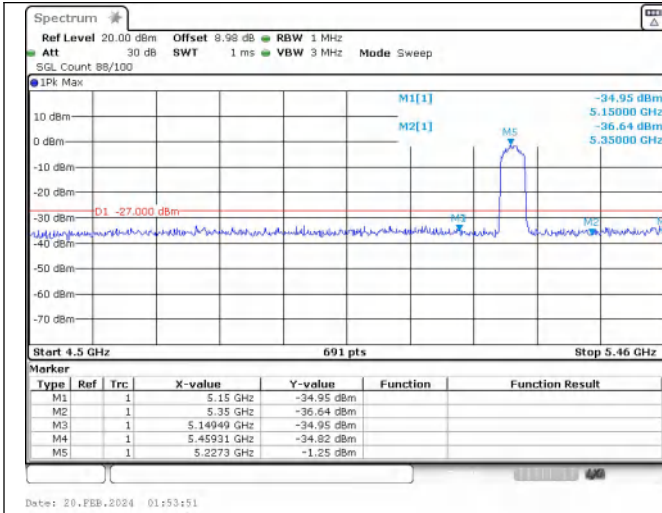


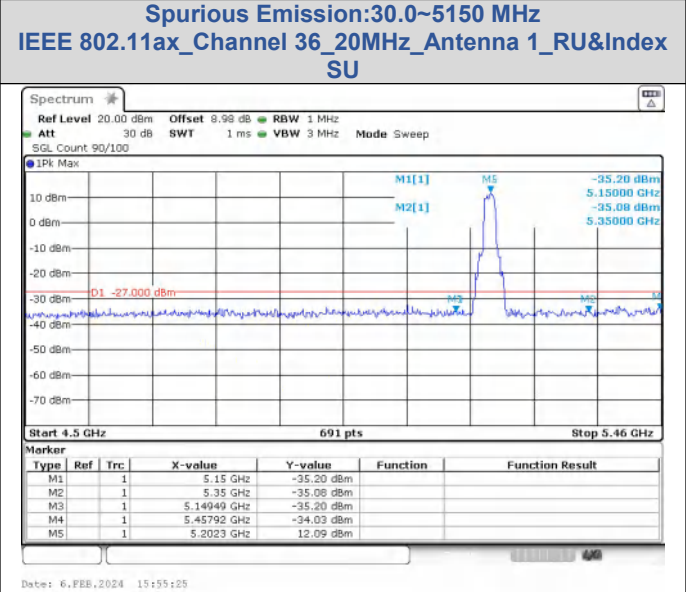
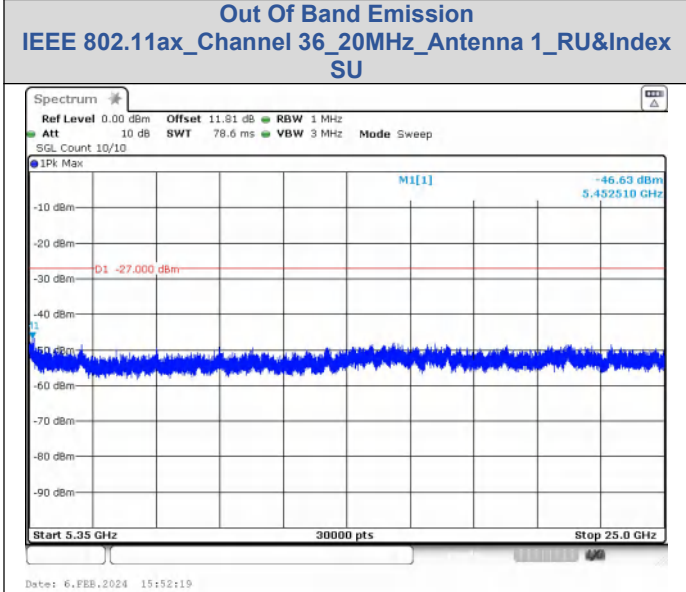
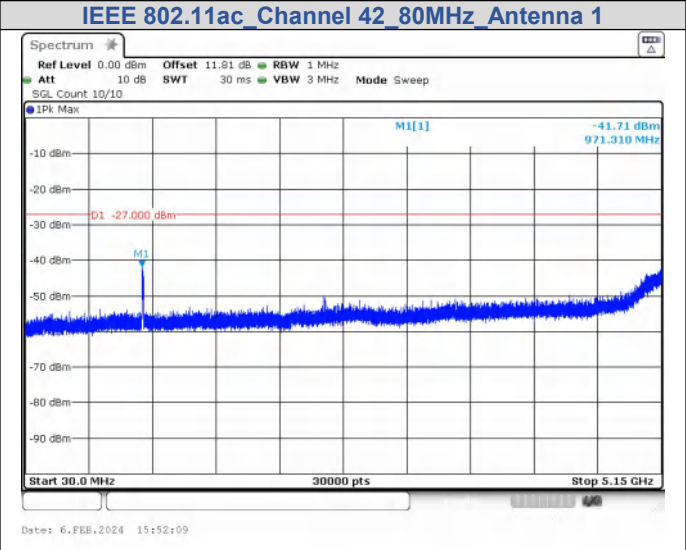
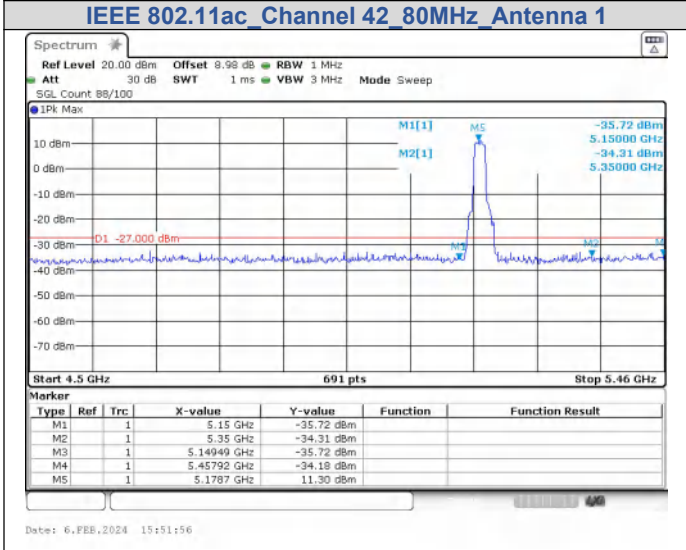
**Spurious Emission:30.0~5150 MHz**

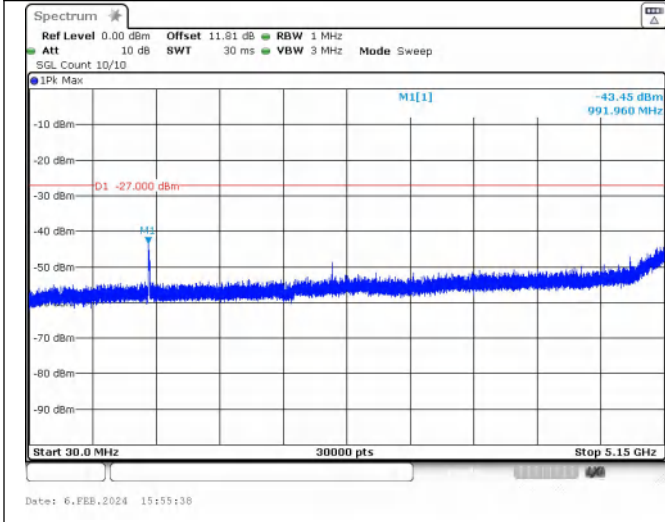




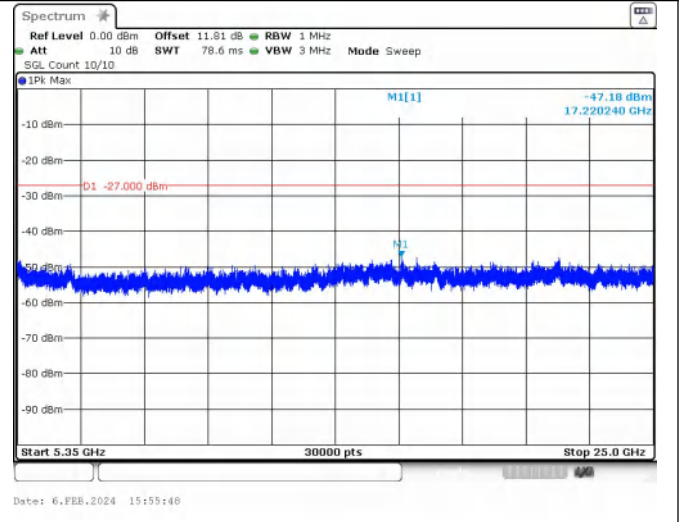




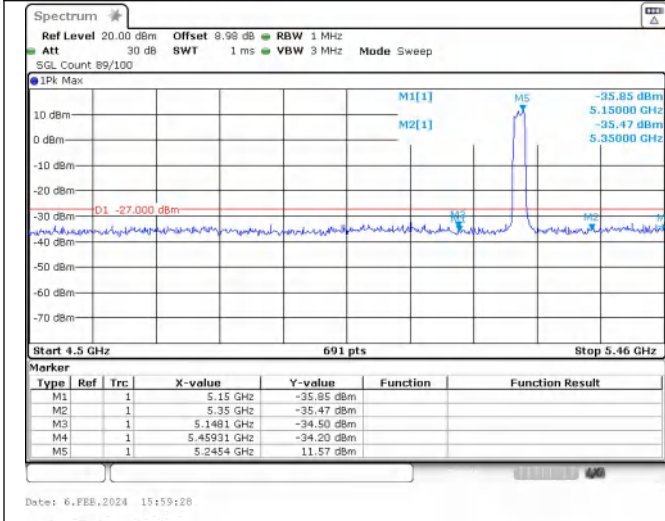




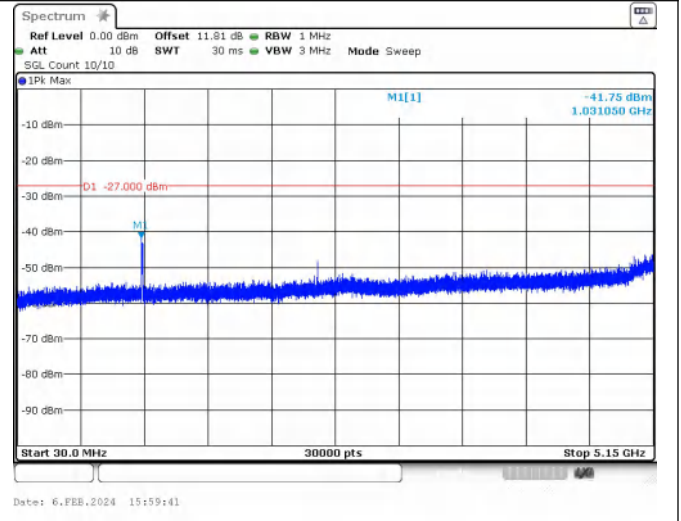
**Spurious Emission:30.0~5150 MHz**  
IEEE 802.11ax\_Channel 40\_20MHz\_Antenna 1\_RU&Index SU



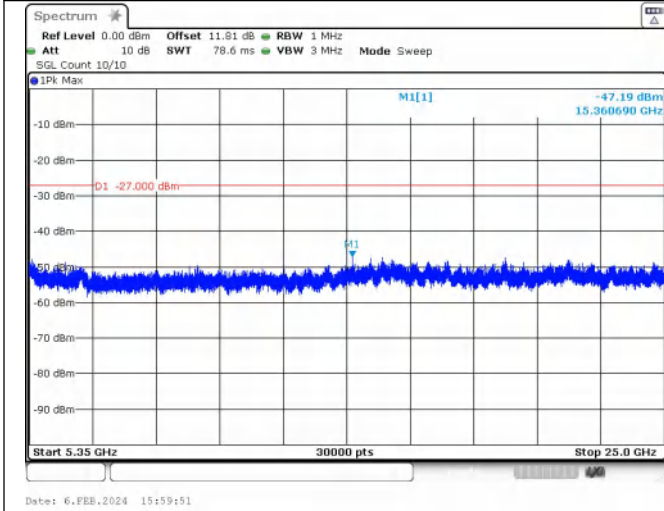
**Spurious Emission:5350~25000.0 MHz**  
IEEE 802.11ax\_Channel 40\_20MHz\_Antenna 1\_RU&Index SU



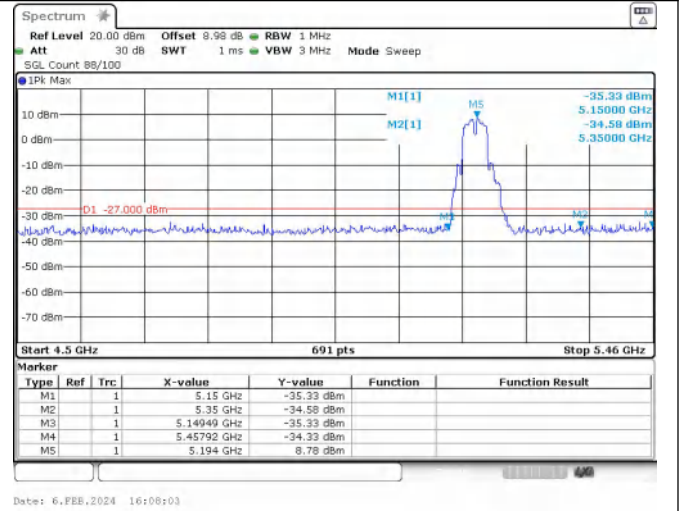
**Out Of Band Emission**  
IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1\_RU&Index SU



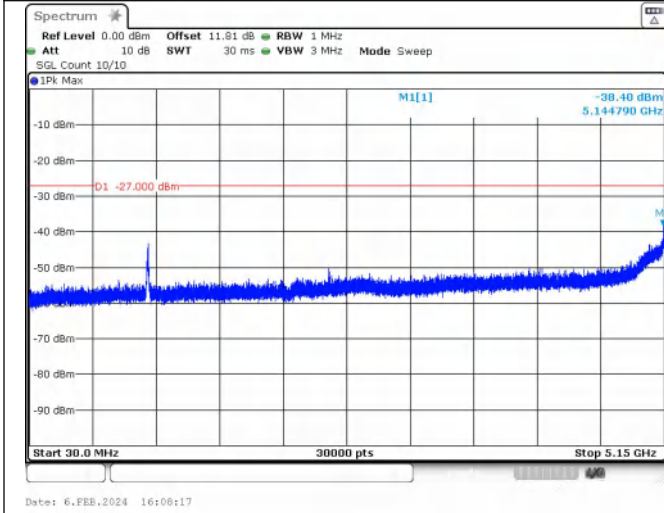
**Spurious Emission:30.0~5150 MHz**  
IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1\_RU&Index SU



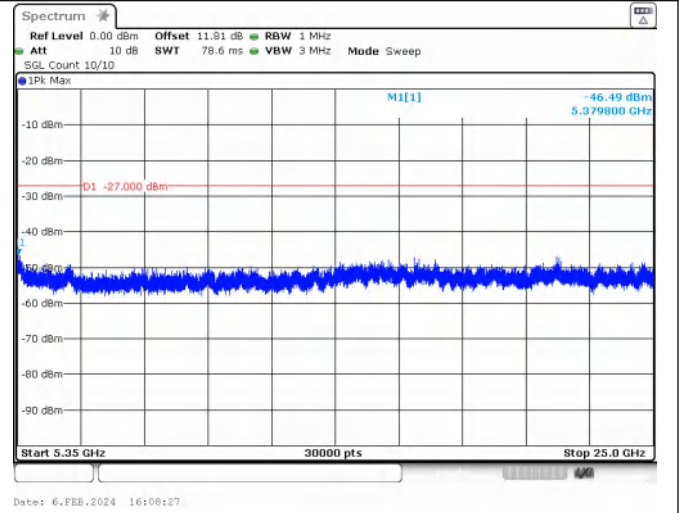
**Spurious Emission:5350~25000.0 MHz**  
IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1\_RU&Index SU



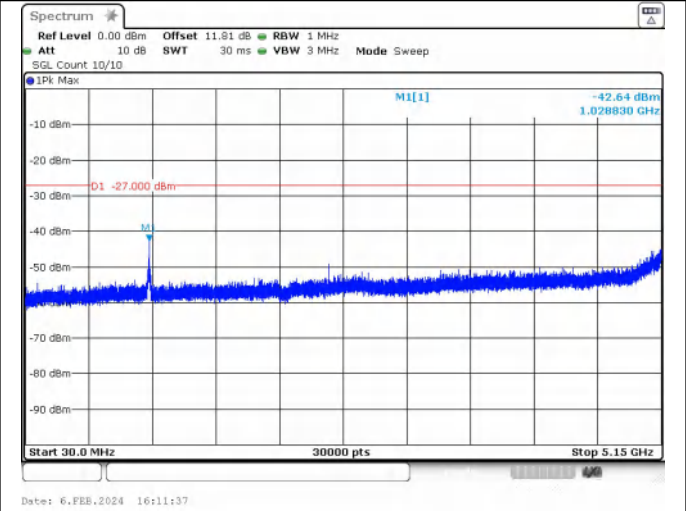
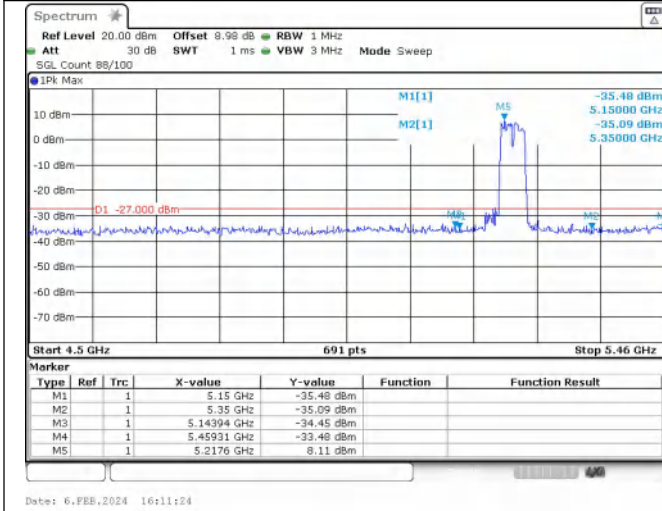
**Out Of Band Emission**  
IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1\_RU&Index SU



**Spurious Emission:30.0~5150 MHz**  
IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1\_RU&Index SU

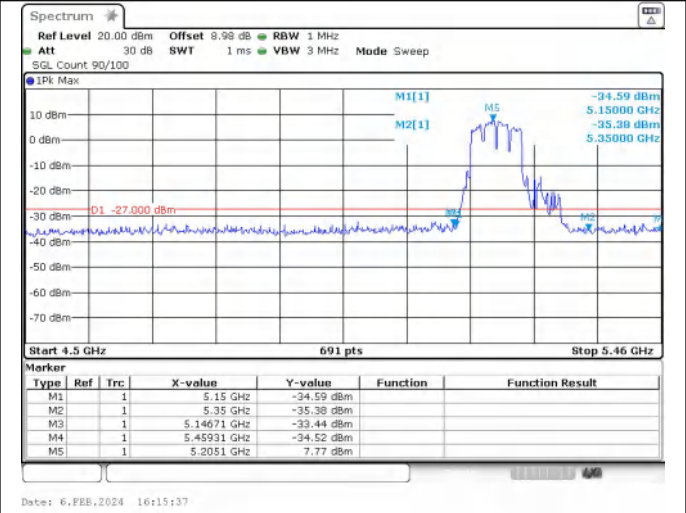
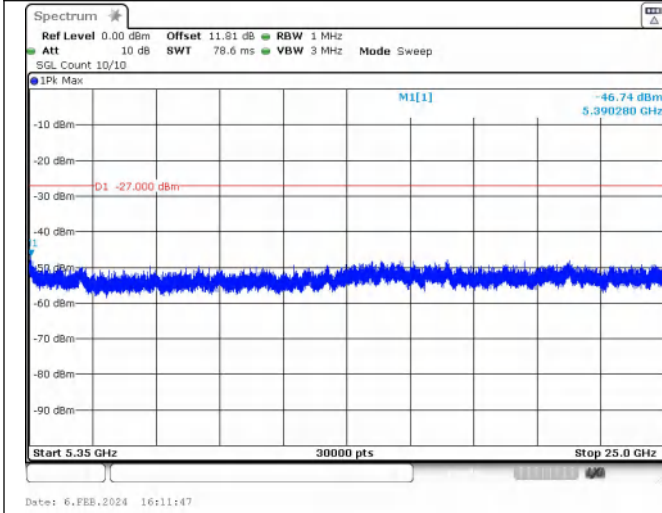


**Spurious Emission:5350~25000.0 MHz**  
IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1\_RU&Index SU



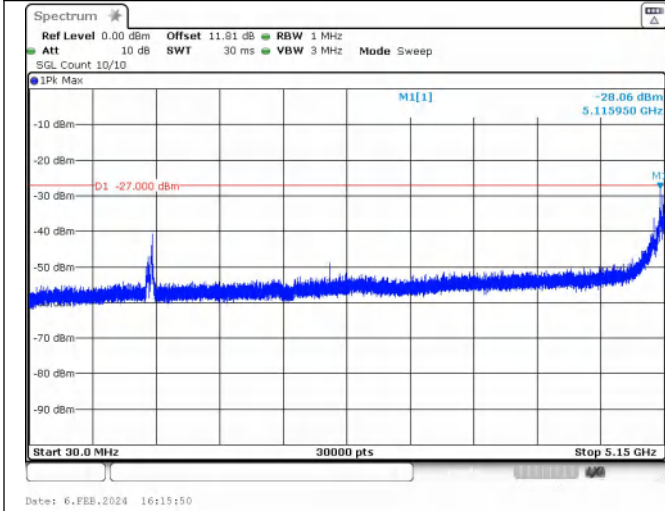
**Out Of Band Emission**  
**IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1\_RU&Index SU**

**Spurious Emission:30.0~5150 MHz**  
**IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1\_RU&Index SU**

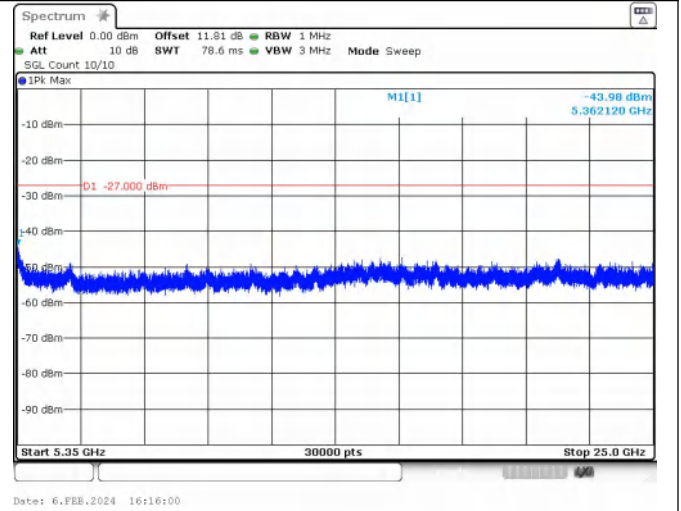


**Spurious Emission:5350~25000.0 MHz**  
**IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1\_RU&Index SU**

**Out Of Band Emission**  
**IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index SU**



**Spurious Emission:30.0~5150 MHz**  
**IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index**  
**SU**



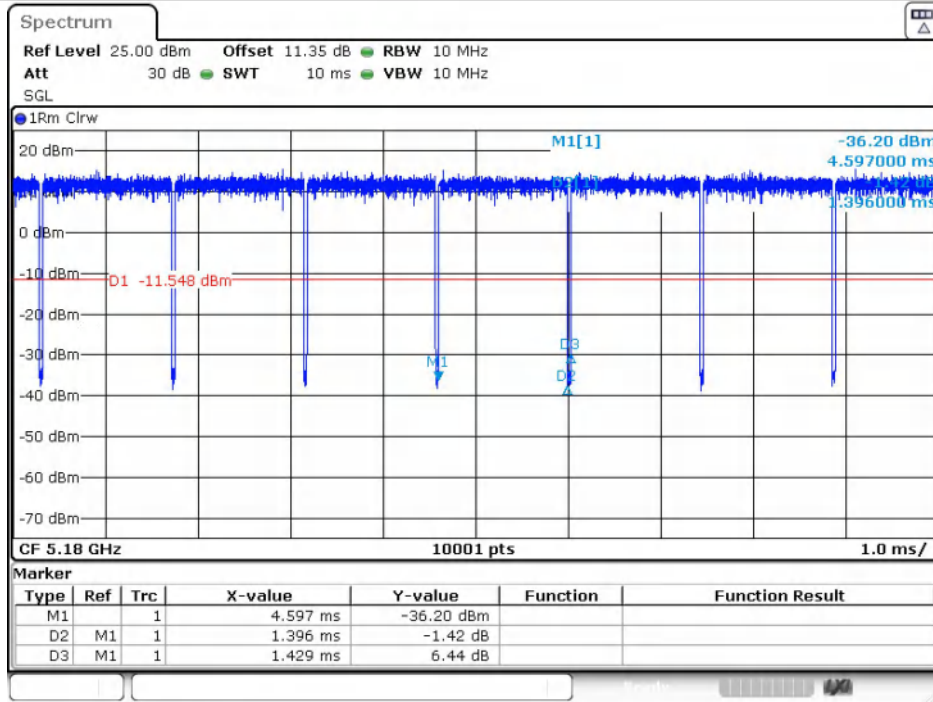
**Spurious Emission:5350~25000.0 MHz**  
**IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index**  
**SU**

## Duty Cycle

### Test Result

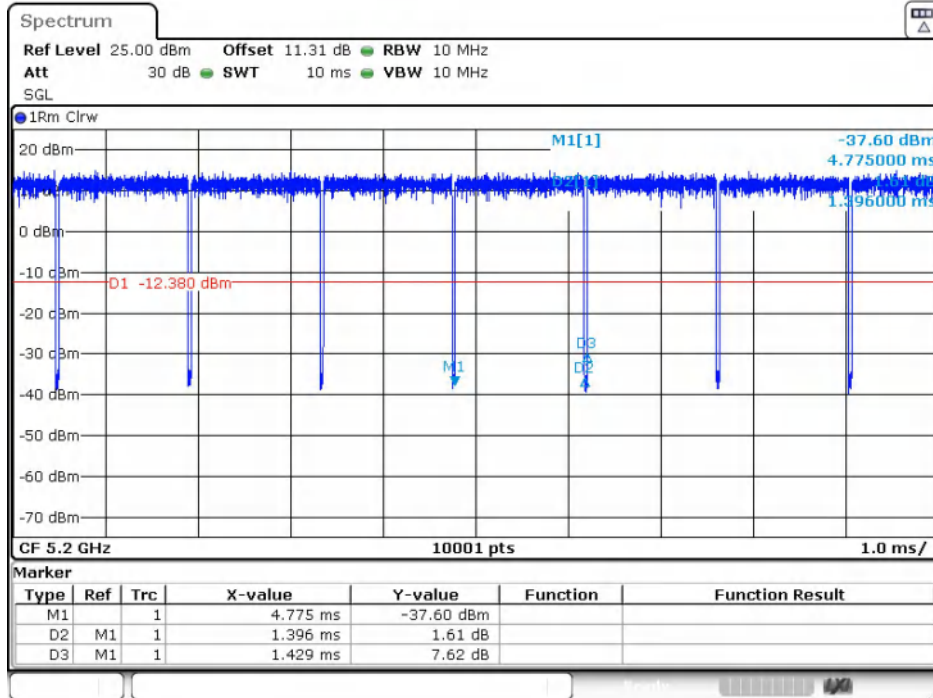
Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	36	N/A	1	1.396	1.429	97.69	0.9769	0.1015	0.72
		40			1.396	1.429	97.69	0.9769	0.1015	0.72
		48			1.396	1.429	97.69	0.9769	0.1015	0.72
IEEE 802.11n_20	MCS 0	36			1.304	1.336	97.60	0.9760	0.1055	0.77
		40			1.293	1.326	97.49	0.9749	0.1104	0.77
		48			1.293	1.326	97.49	0.9749	0.1104	0.77
IEEE 802.11n_40		38			0.650	0.683	95.12	0.9512	0.2173	1.54
		46			0.650	0.684	95.06	0.9506	0.22	1.54
IEEE 802.11ac_20		36			1.305	1.339	97.46	0.9746	0.1117	0.77
		40			1.304	1.338	97.46	0.9746	0.1117	0.77
		48			1.305	1.338	97.51	0.9751	0.1095	0.77
IEEE 802.11ac_40		38			0.654	0.688	95.09	0.9509	0.2187	1.53
		46	0.654	0.687	95.15	0.9515	0.2159	1.53		
IEEE 802.11ac_80		42	0.325	0.359	90.53	0.9053	0.4321	3.08		
IEEE 802.11ax_20		SU	36	2.798	2.850	98.16	0.9816	0.0807	0.36	
	40		2.799	2.850	98.21	0.9821	0.0784	0.36		
	48		2.798	2.852	98.11	0.9811	0.0829	0.36		
IEEE 802.11ax_40	38		2.799	2.852	98.16	0.9816	0.0807	0.36		
	46		2.797	2.850	98.16	0.9816	0.0807	0.36		
IEEE 802.11ax_80	42		2.799	2.851	98.16	0.9816	0.0807	0.36		

Test Graphs



Date: 6.FEB.2024 11:54:15

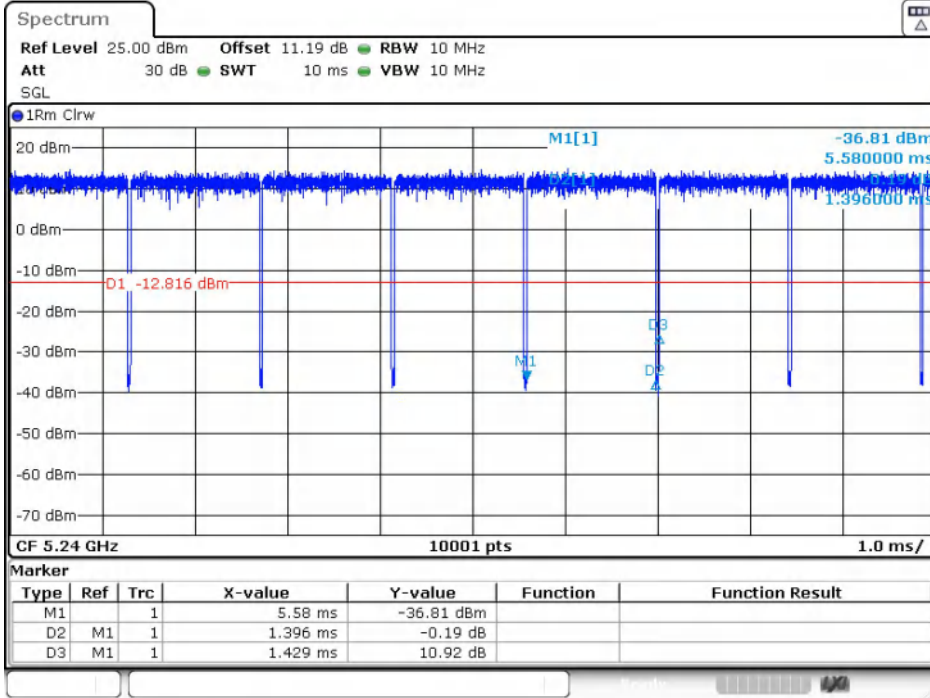
IEEE 802.11a 20MHz Channel 36



Date: 6.FEB.2024 11:59:29

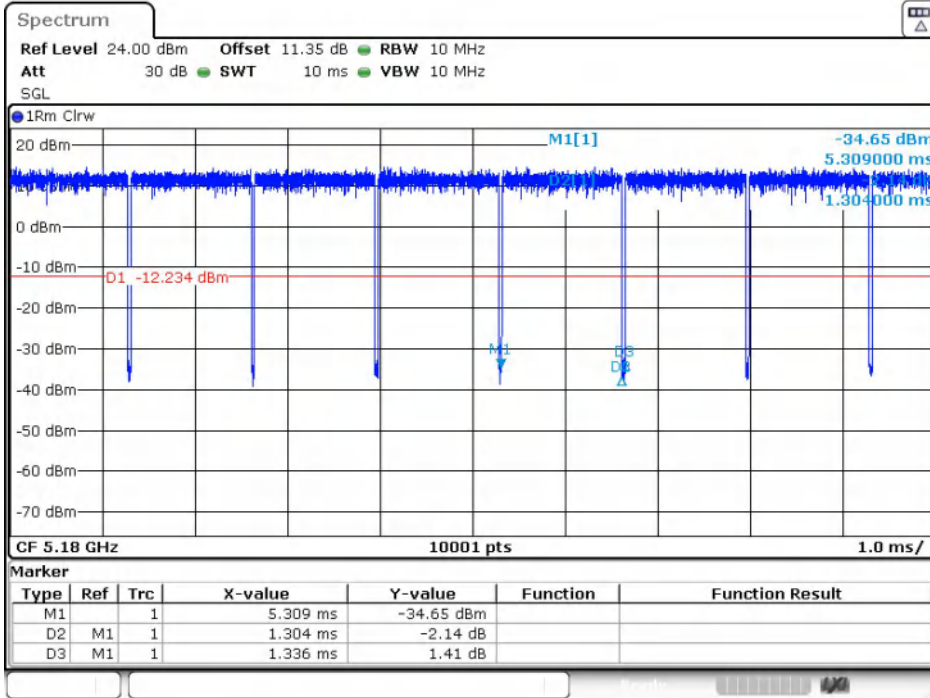
IEEE 802.11a 20MHz Channel 40





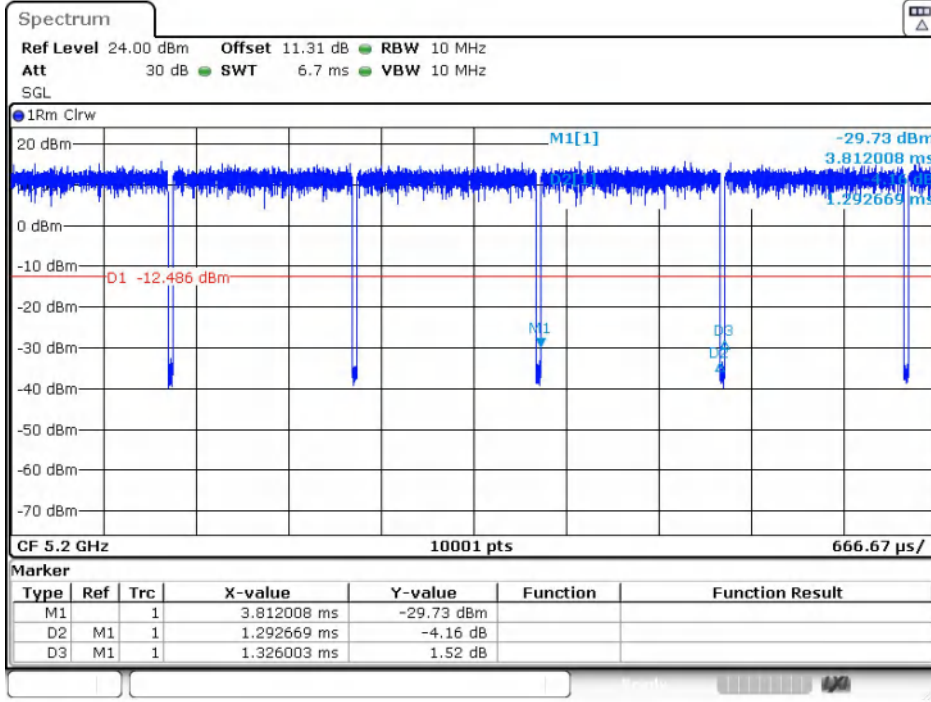
Date: 6.FEB.2024 12:51:56

IEEE 802.11a\_20MHz\_Channel 48



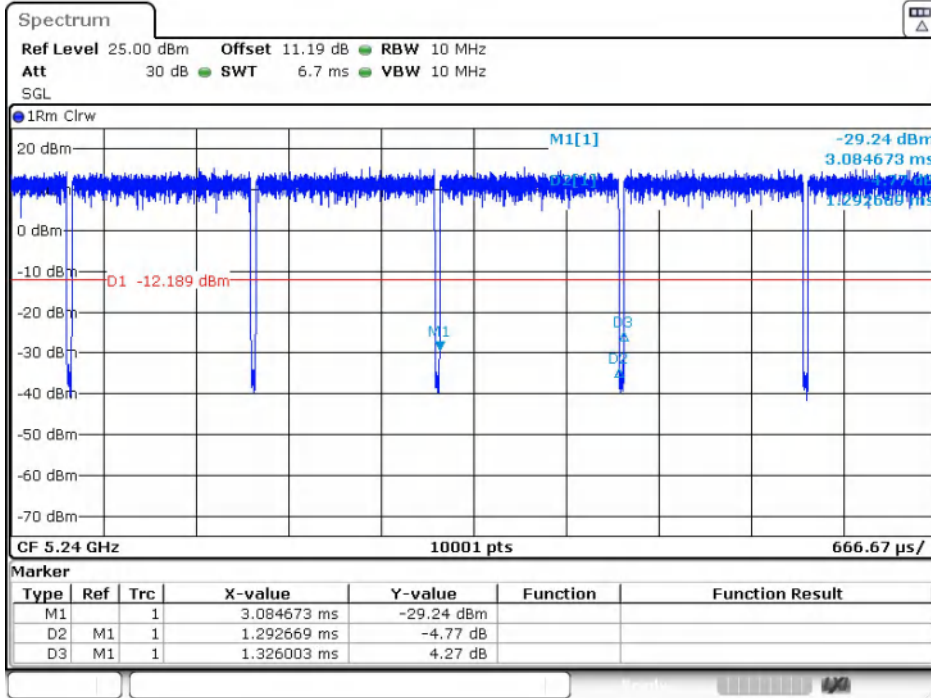
Date: 6.FEB.2024 12:56:20

IEEE 802.11n\_20MHz\_Channel 36



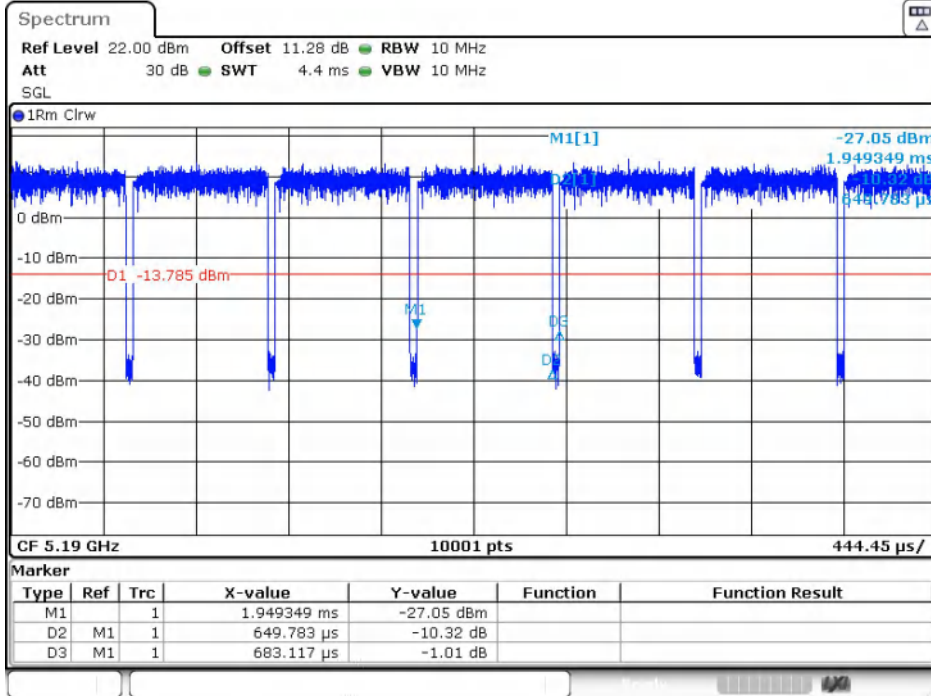
Date: 6.FEB.2024 13:00:10

**IEEE 802.11n\_20MHz\_Channel 40**



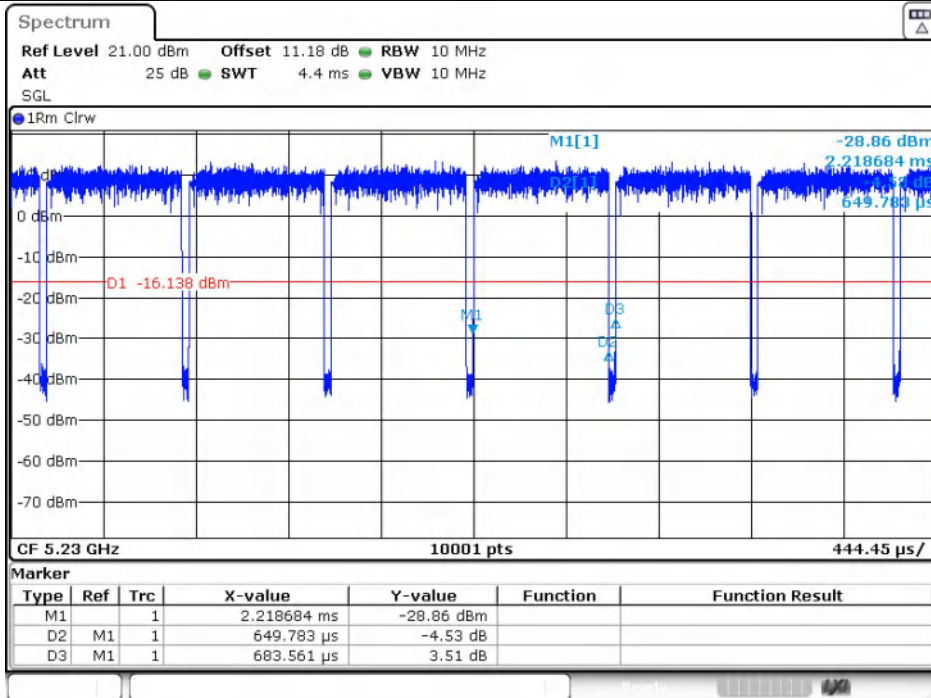
Date: 6.FEB.2024 13:03:42

**IEEE 802.11n\_20MHz\_Channel 48**



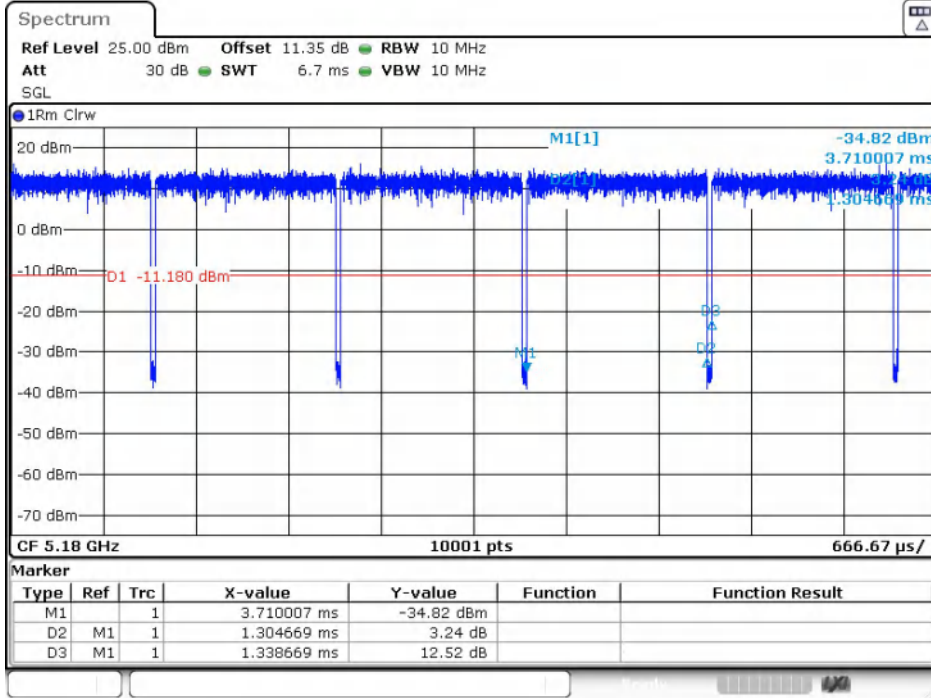
Date: 6.FEB.2024 13:07:39

IEEE 802.11n\_40MHz\_Channel 38



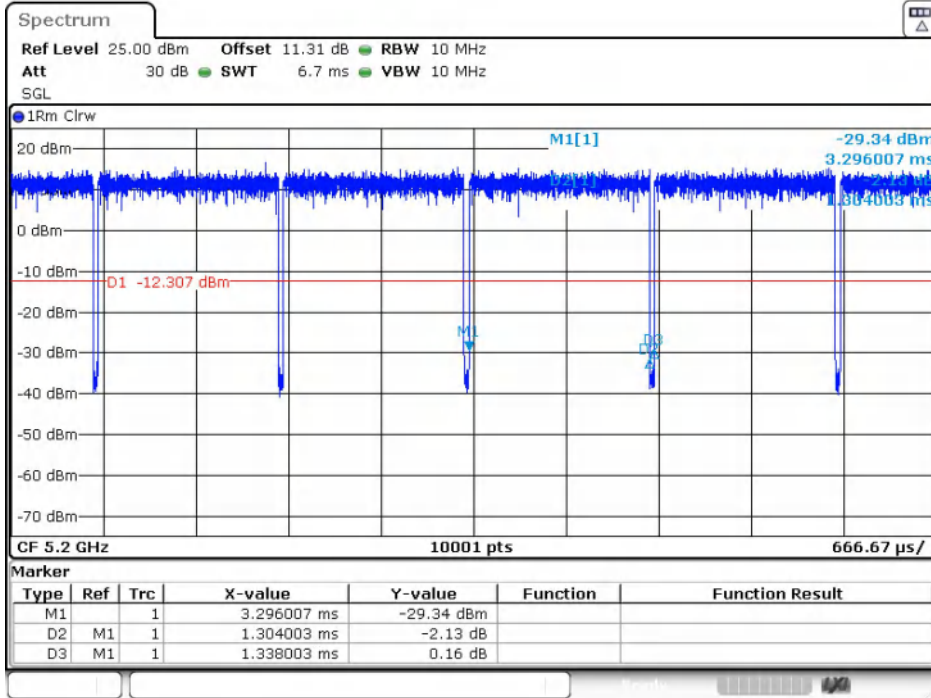
Date: 6.FEB.2024 13:11:15

IEEE 802.11n\_40MHz\_Channel 46



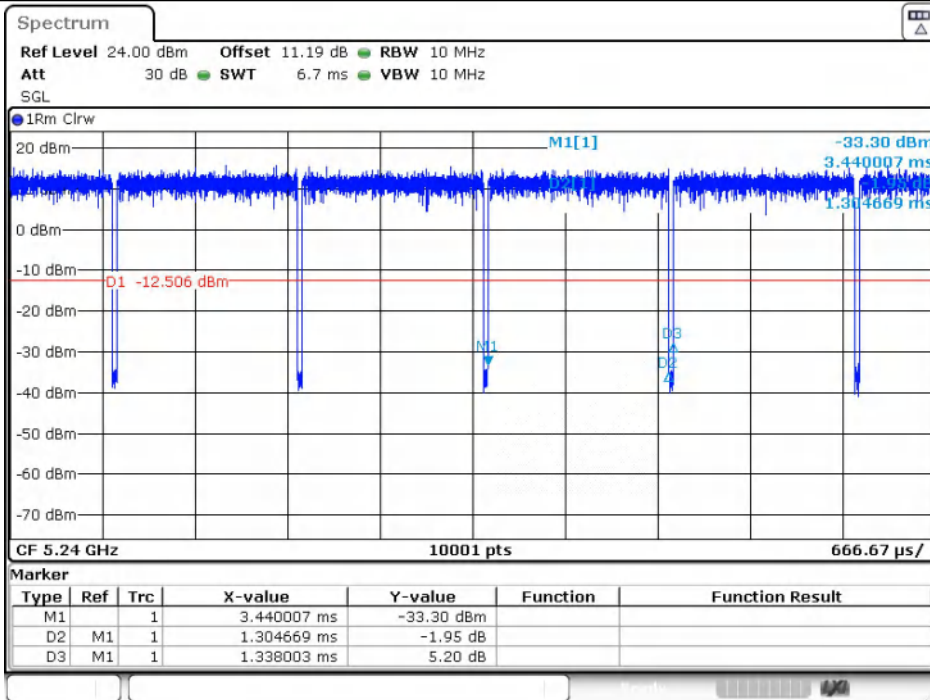
Date: 6.FEB.2024 13:15:02

IEEE 802.11ac\_20MHz\_Channel 36



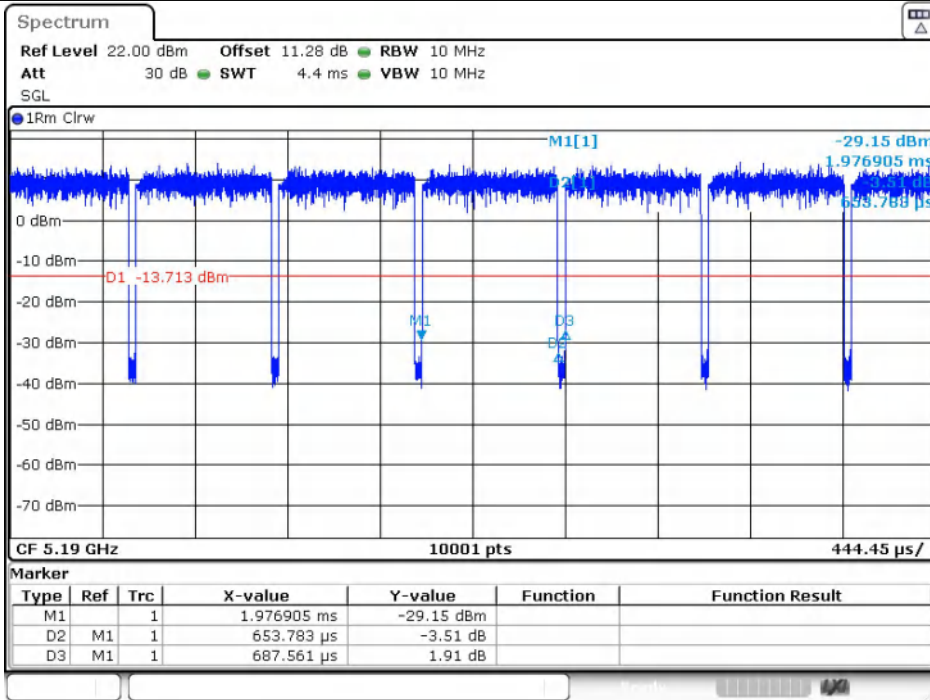
Date: 6.FEB.2024 13:18:59

IEEE 802.11ac\_20MHz\_Channel 40



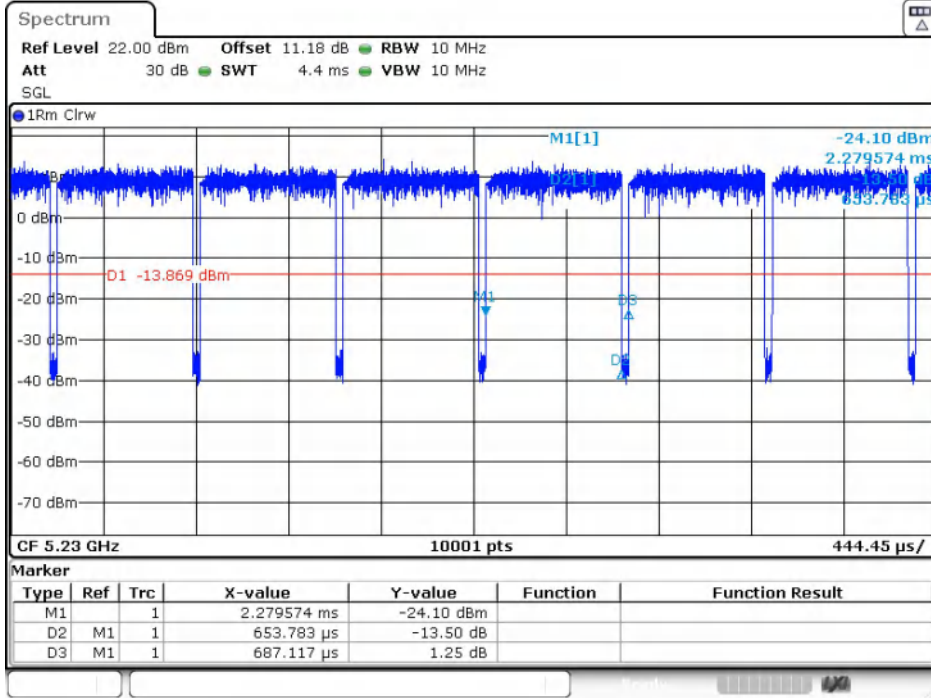
Date: 6.FEB.2024 13:22:36

IEEE 802.11ac\_20MHz\_Channel 48



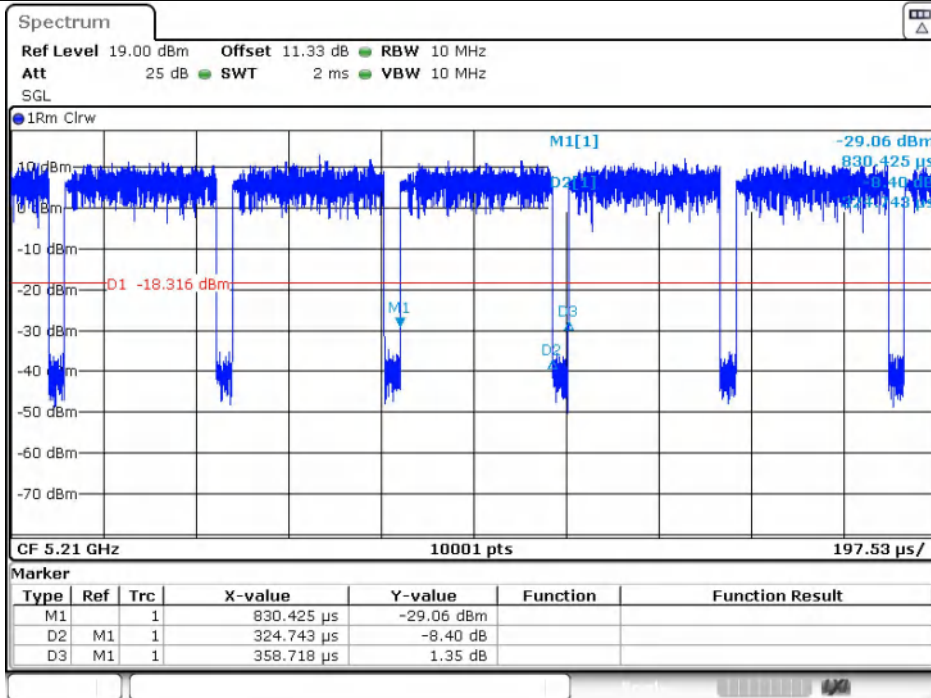
Date: 6.FEB.2024 13:26:32

IEEE 802.11ac\_40MHz\_Channel 38



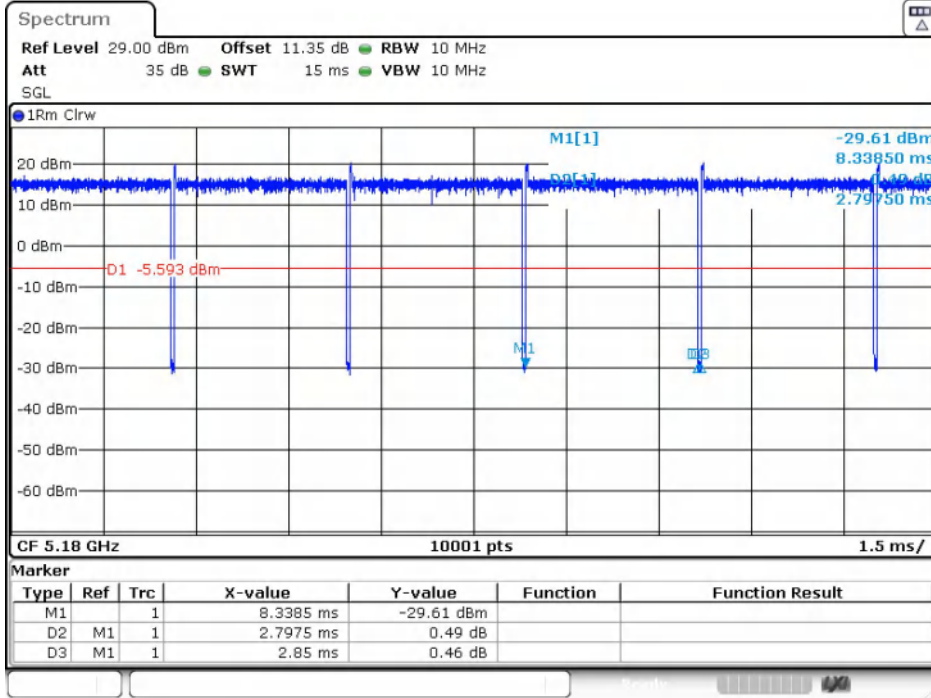
Date: 6.FEB.2024 13:29:52

IEEE 802.11ac\_40MHz\_Channel 46



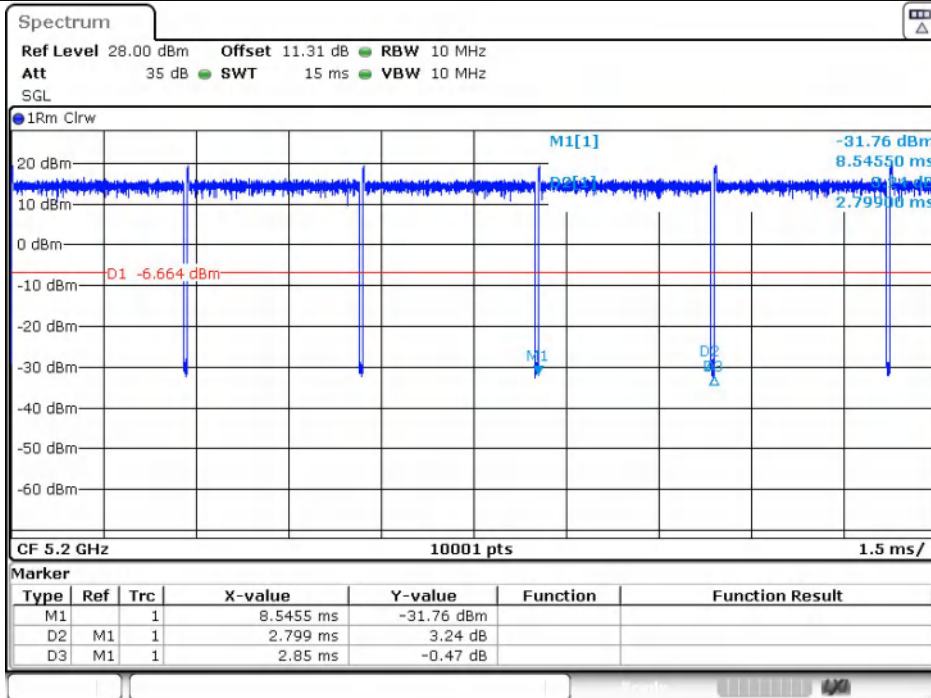
Date: 6.FEB.2024 13:33:56

IEEE 802.11ac\_80MHz\_Channel 42



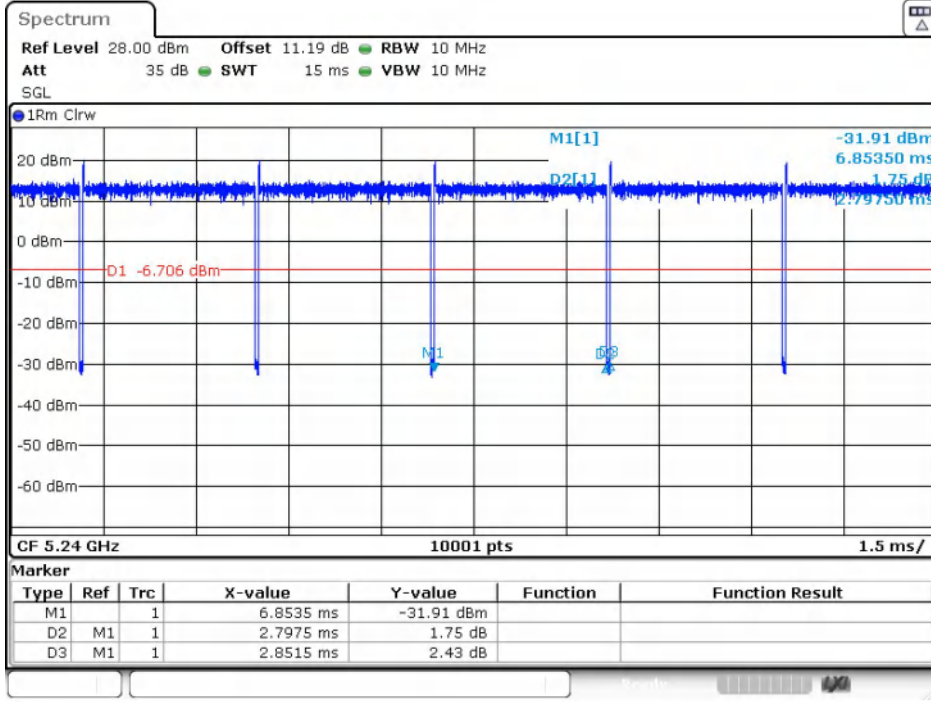
Date: 6.FEB.2024 15:49:29

IEEE 802.11ax\_20MHz\_Channel 36



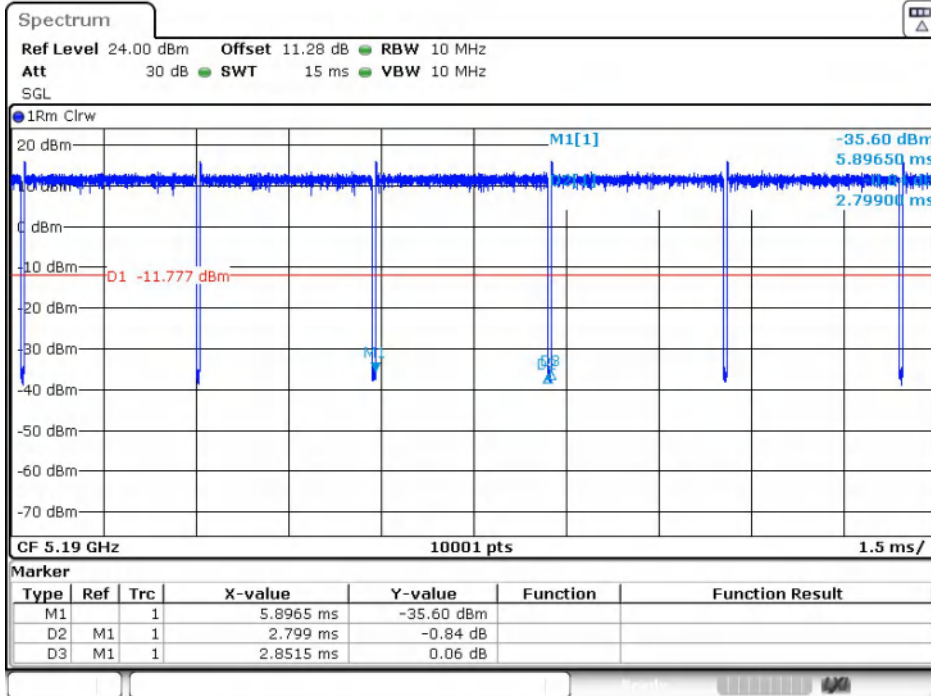
Date: 6.FEB.2024 15:52:57

IEEE 802.11ax\_20MHz\_Channel 40



Date: 6.FEB.2024 15:56:48

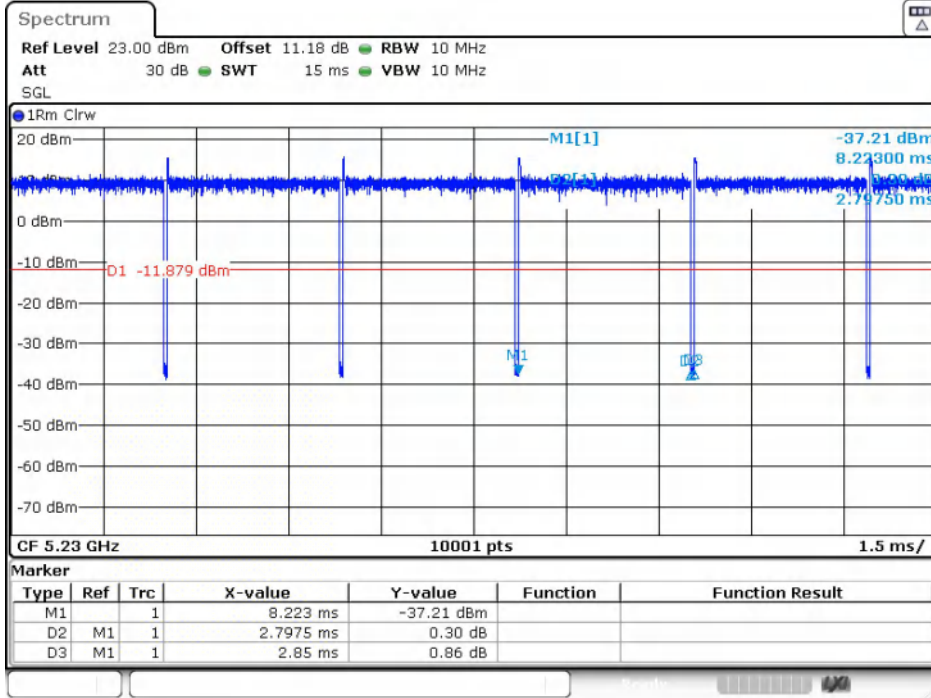
IEEE 802.11ax\_20MHz\_Channel 48



Date: 6.FEB.2024 16:03:21

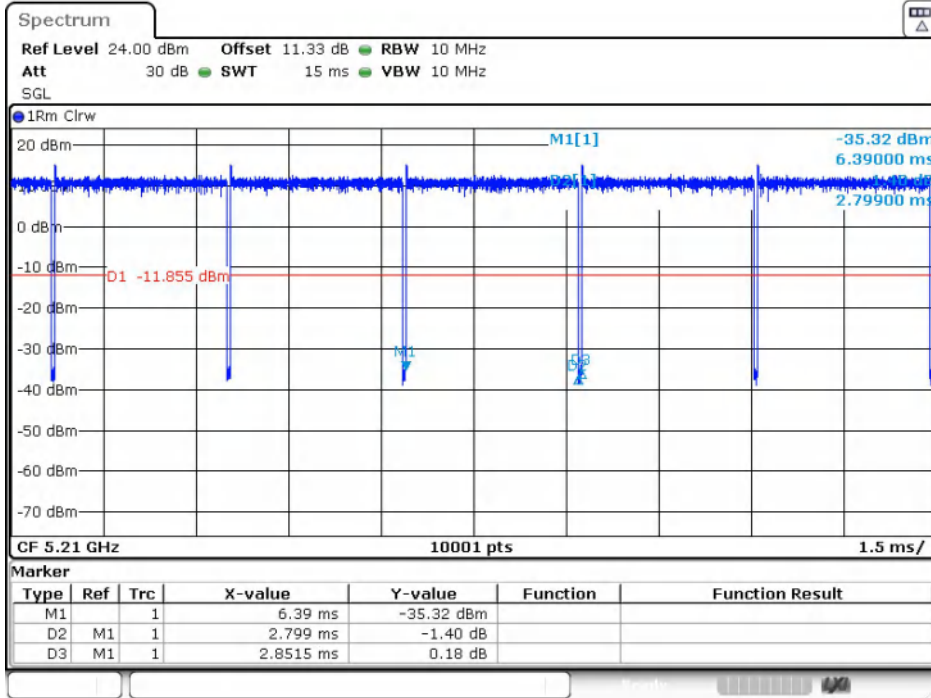
IEEE 802.11ax\_40MHz\_Channel 38





Date: 6.FEB.2024 16:09:06

IEEE 802.11ax\_40MHz\_Channel 46



Date: 6.FEB.2024 16:12:37

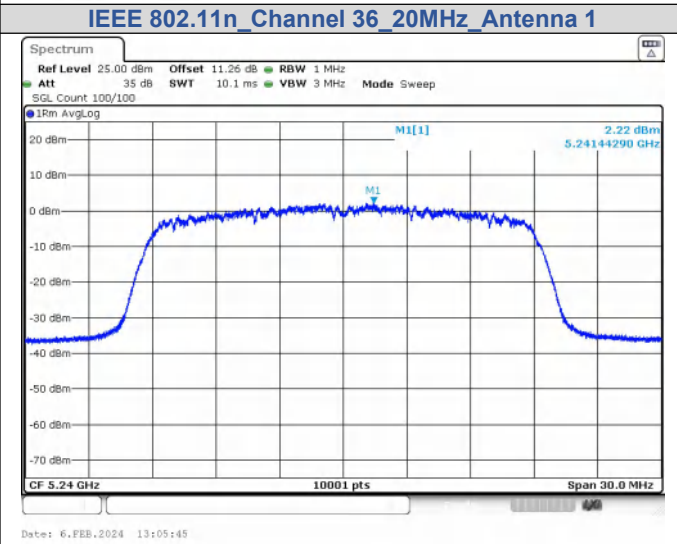
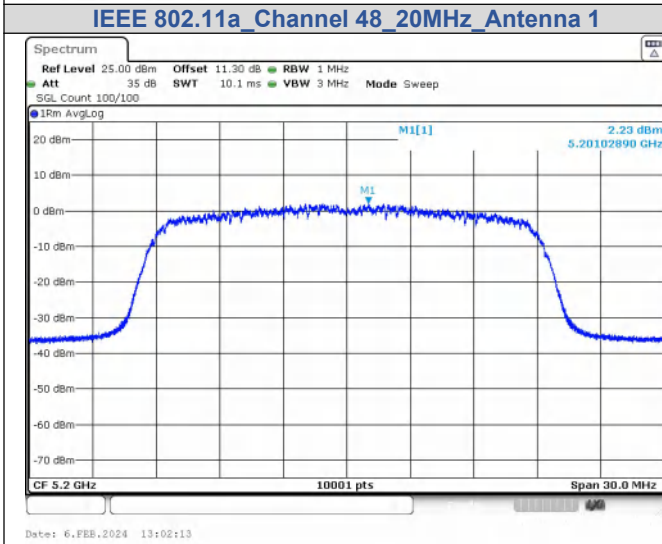
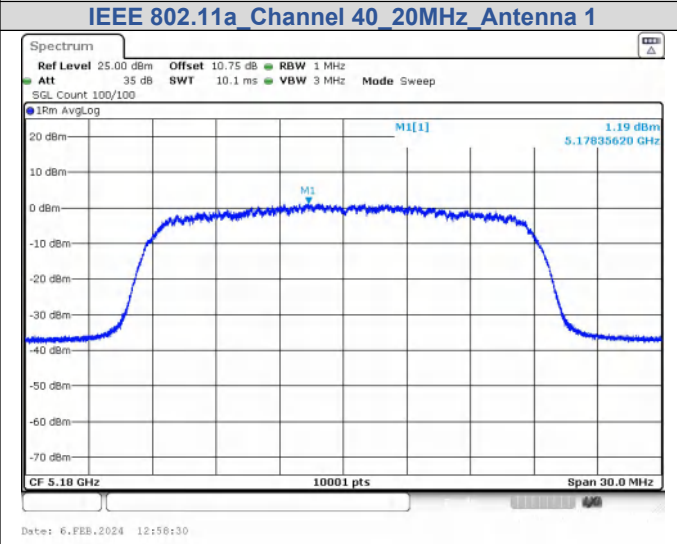
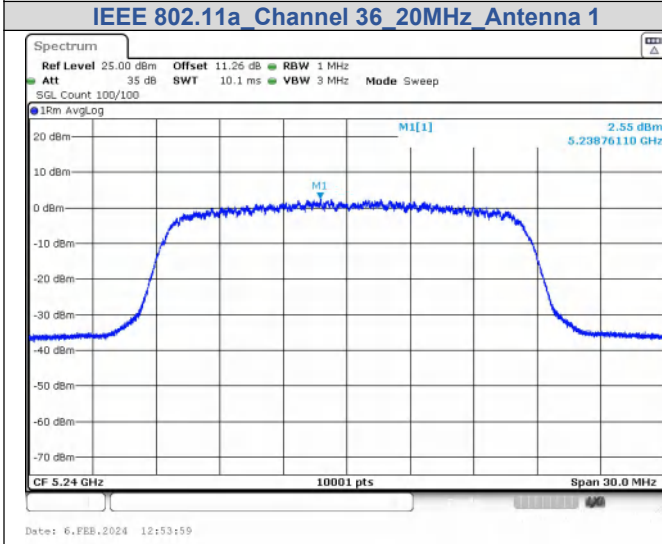
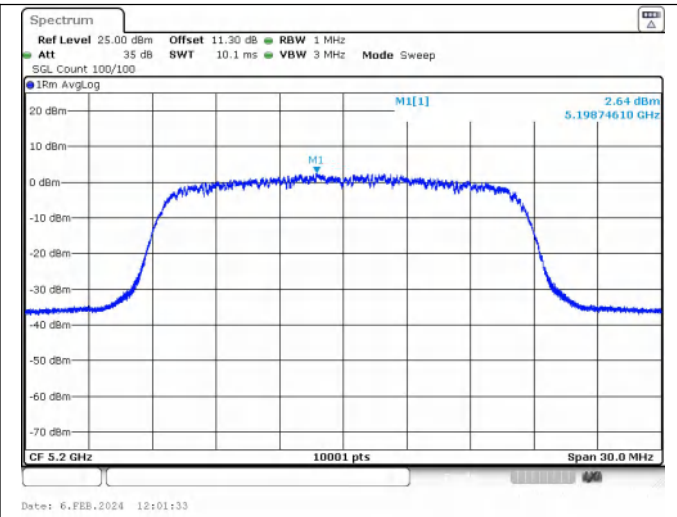
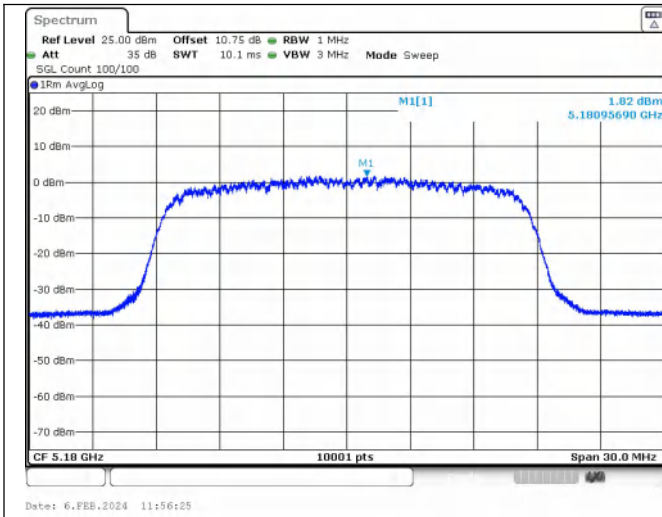
IEEE 802.11ax\_80MHz\_Channel 42

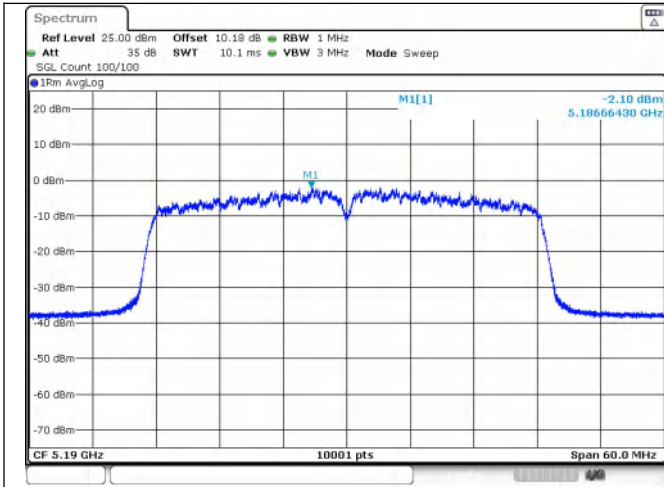
## Peak Power Spectral Density

### Test Result

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result	
IEEE 802.11a	36	N/A	1.819	1.921	11	PASS	
	40		2.638	2.739		PASS	
	48		2.548	2.649		PASS	
IEEE 802.11n_20	36		1.188	1.298		PASS	
	40		2.229	2.339		PASS	
	48		2.221	2.331		PASS	
IEEE 802.11n_40	38		-2.100	-1.88		PASS	
	46		-0.809	-0.589		PASS	
IEEE 802.11ac_20	36		1.864	1.973		PASS	
	40		2.436	2.546		PASS	
	48		2.340	2.449		PASS	
IEEE 802.11ac_40	38		-1.384	-1.168		PASS	
	46		-0.872	-0.656		PASS	
IEEE 802.11ac_80	42		-5.969	-5.537		PASS	
IEEE 802.11ax_20	36		SU	5.320		5.403	PASS
	40			5.502		5.585	PASS
	48			3.721		3.804	PASS
IEEE 802.11ax_40	38			2.014		2.094	PASS
	46	1.201		1.282	PASS		
IEEE 802.11ax_80	42	1.219		1.3	PASS		

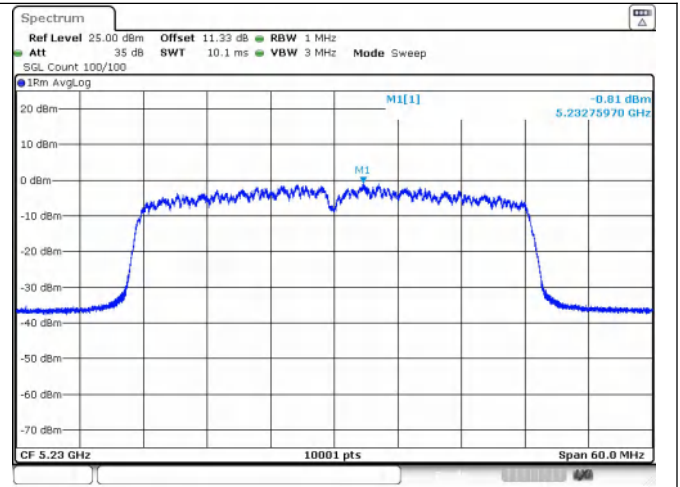
Test Graphs





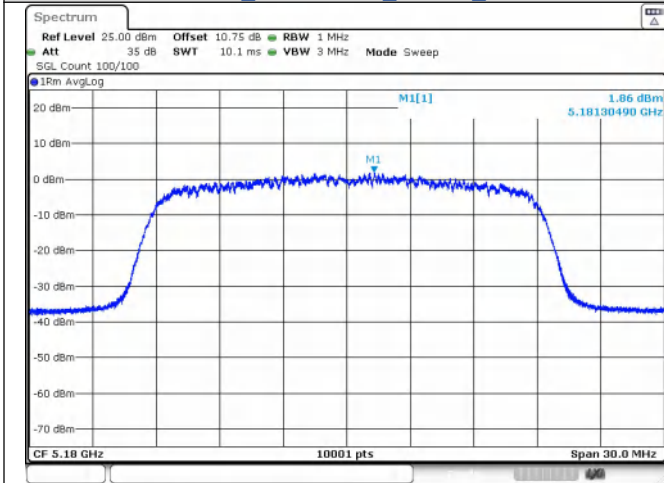
Date: 6.FEB.2024 13:09:51

IEEE 802.11n\_Channel 38\_40MHz\_Antenna 1



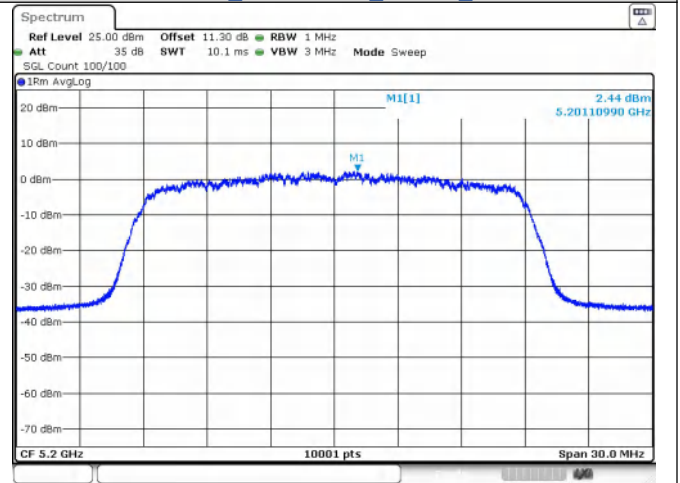
Date: 6.FEB.2024 13:13:21

IEEE 802.11n\_Channel 46\_40MHz\_Antenna 1



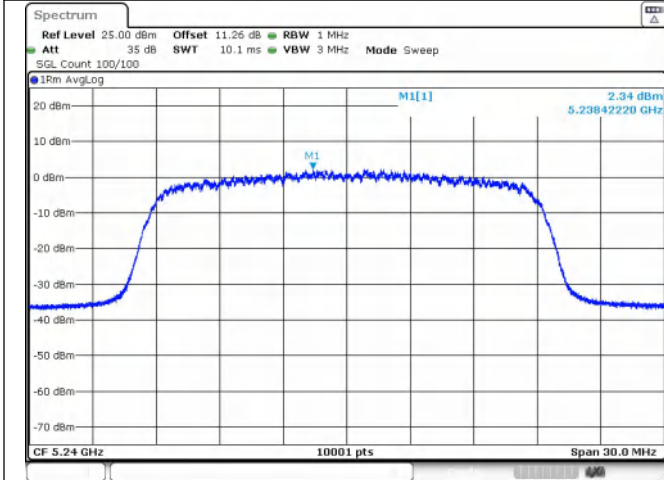
Date: 6.FEB.2024 13:17:12

IEEE 802.11ac\_Channel 36\_20MHz\_Antenna 1



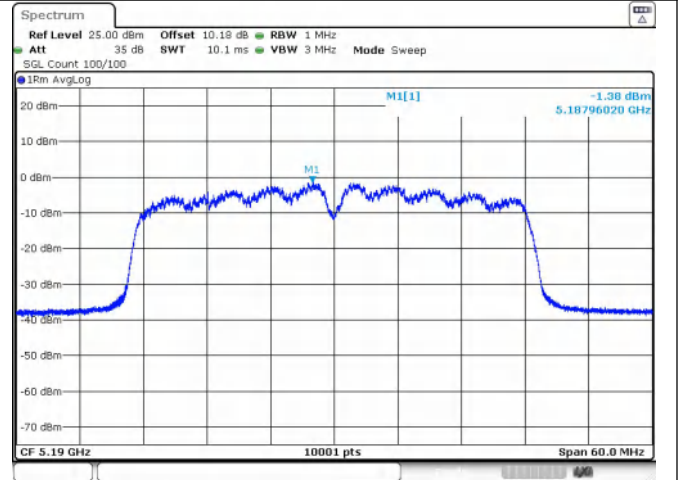
Date: 6.FEB.2024 13:21:03

IEEE 802.11ac\_Channel 46\_20MHz\_Antenna 1



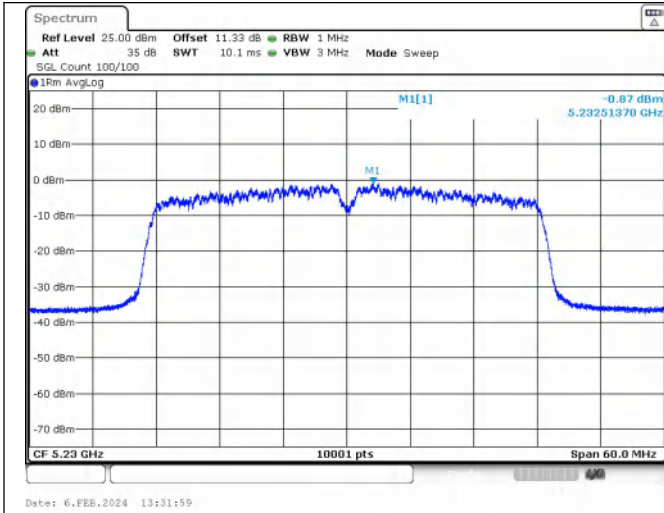
Date: 6.FEB.2024 13:24:40

IEEE 802.11ac\_Channel 48\_20MHz\_Antenna 1

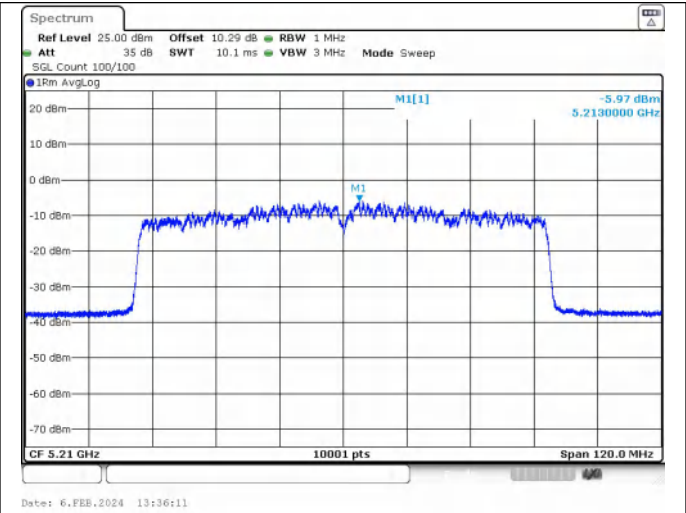


Date: 6.FEB.2024 13:28:39

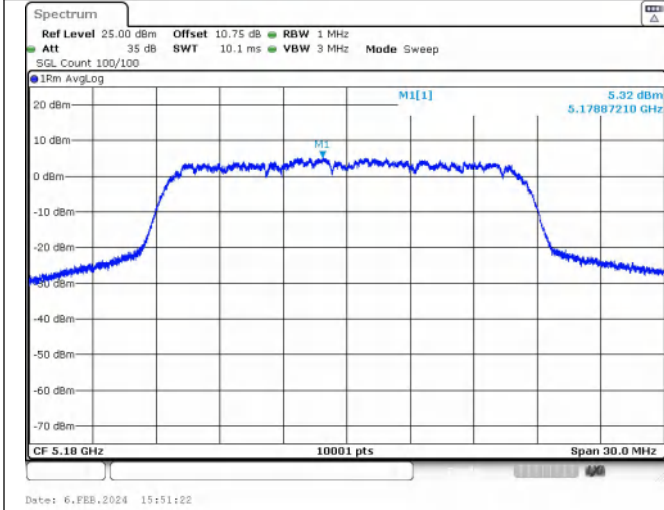
IEEE 802.11ac\_Channel 38\_40MHz\_Antenna 1



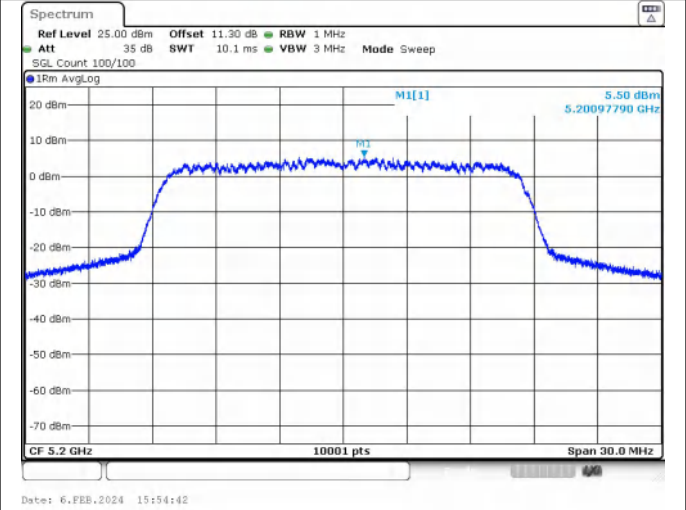
IEEE 802.11ac\_Channel 46\_40MHz\_Antenna 1



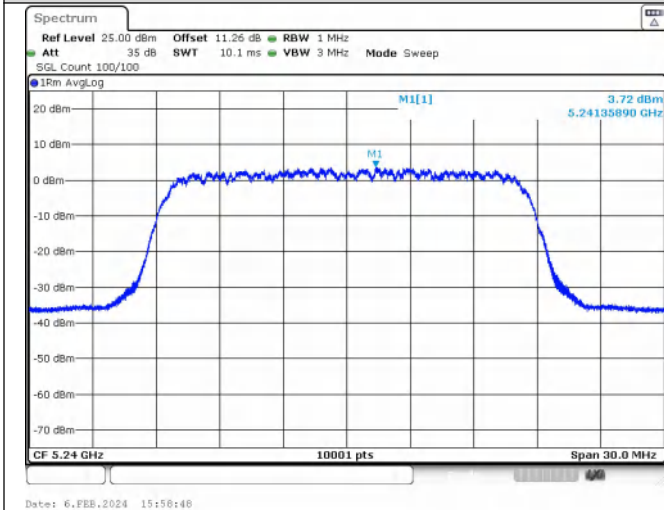
IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1



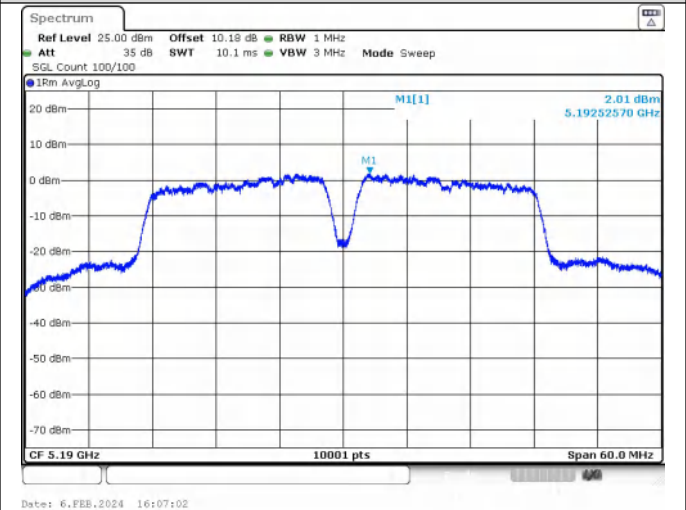
IEEE 802.11ax\_Channel 36\_20MHz\_Antenna 1\_RU&Index SU



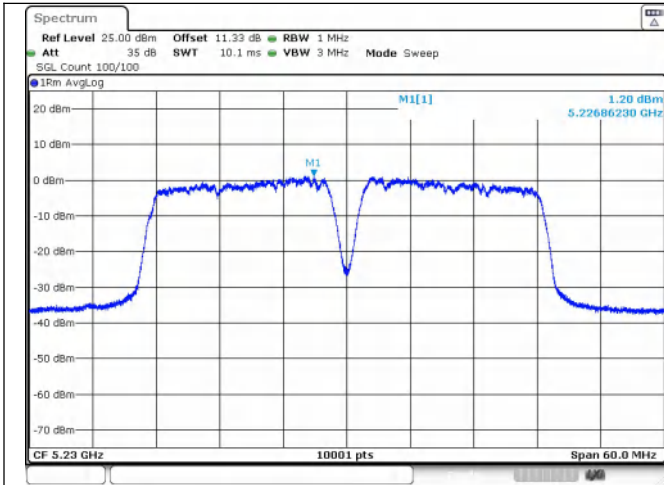
IEEE 802.11ac\_Channel 40\_20MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 48\_20MHz\_Antenna 1\_RU&Index SU

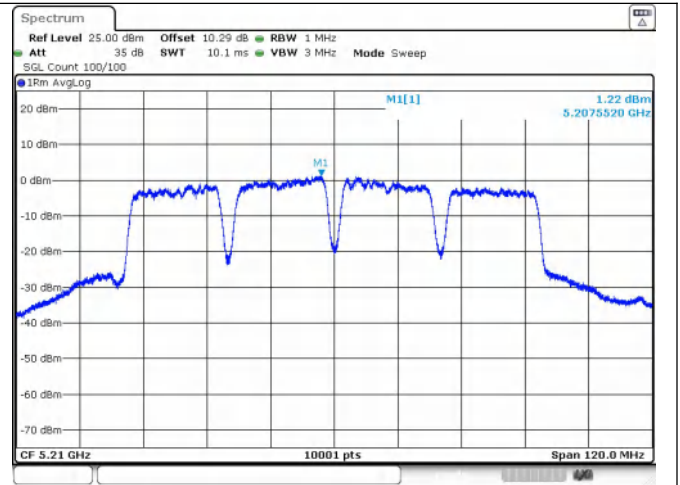


IEEE 802.11ax\_Channel 38\_40MHz\_Antenna 1\_RU&Index SU



Date: 6.FEB.2024 16:10:50

IEEE 802.11ax\_Channel 46\_40MHz\_Antenna 1\_RU&Index  
SU



Date: 6.FEB.2024 16:14:45

IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index  
SU