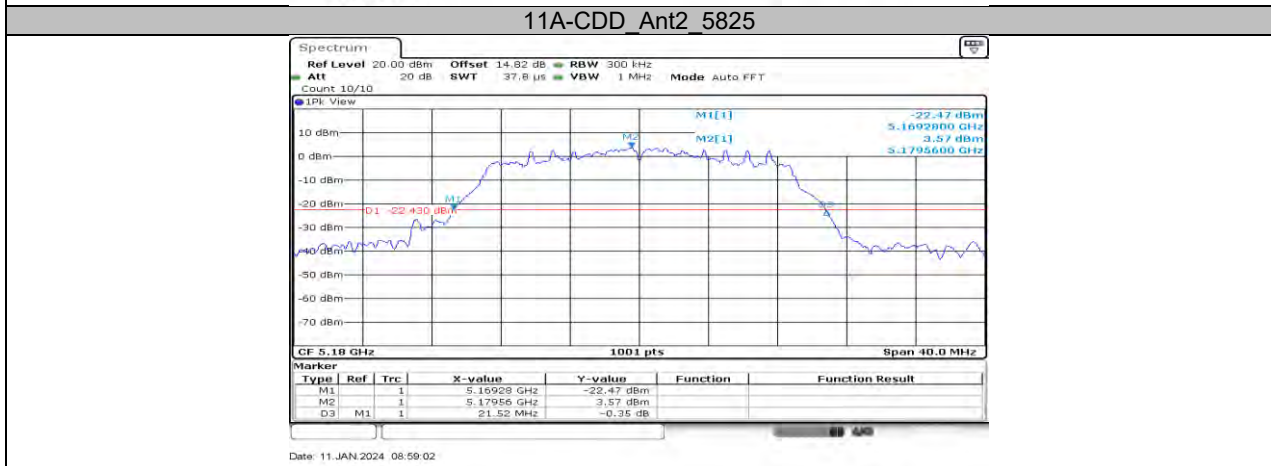


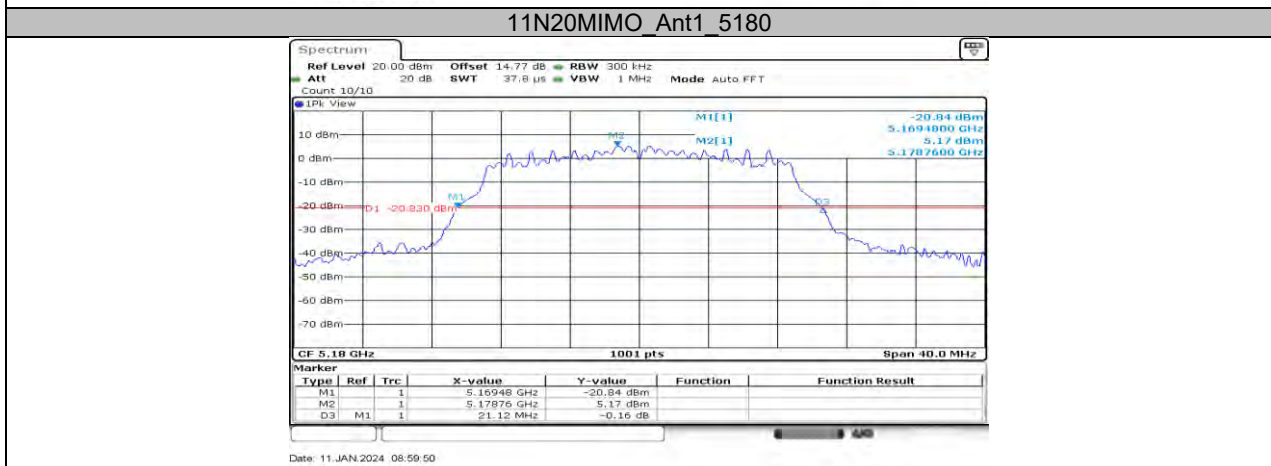
Date: 11.JAN.2024 08:34:32



Date: 11.JAN.2024 08:34:57

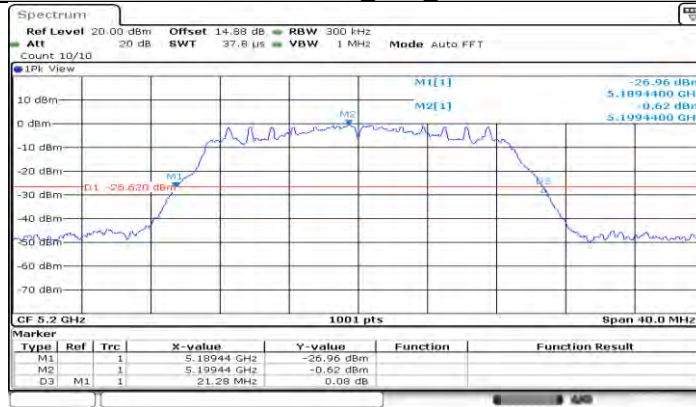


Date: 11.JAN.2024 08:59:02

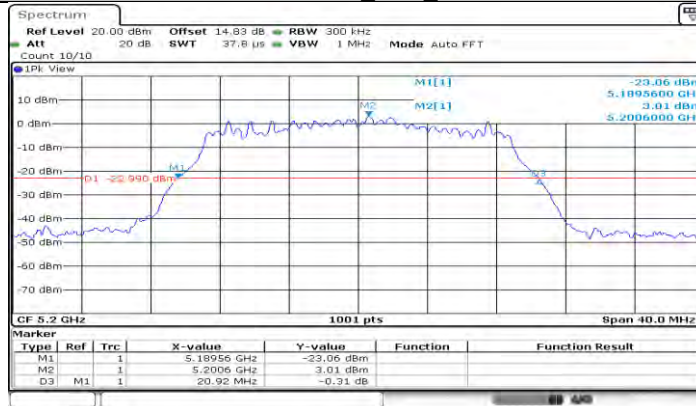


Date: 11.JAN.2024 08:59:50

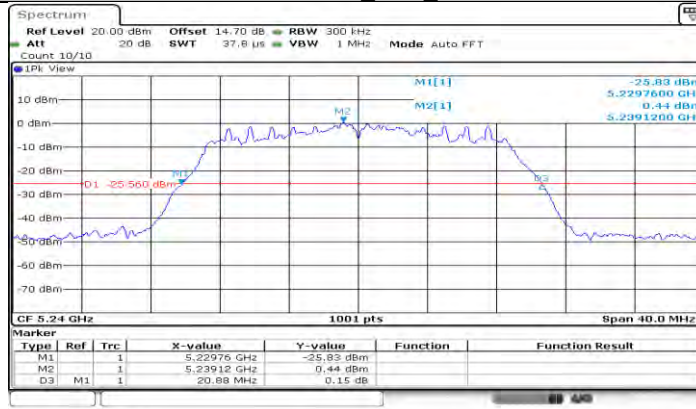
## 11N20MIMO Ant2 5180



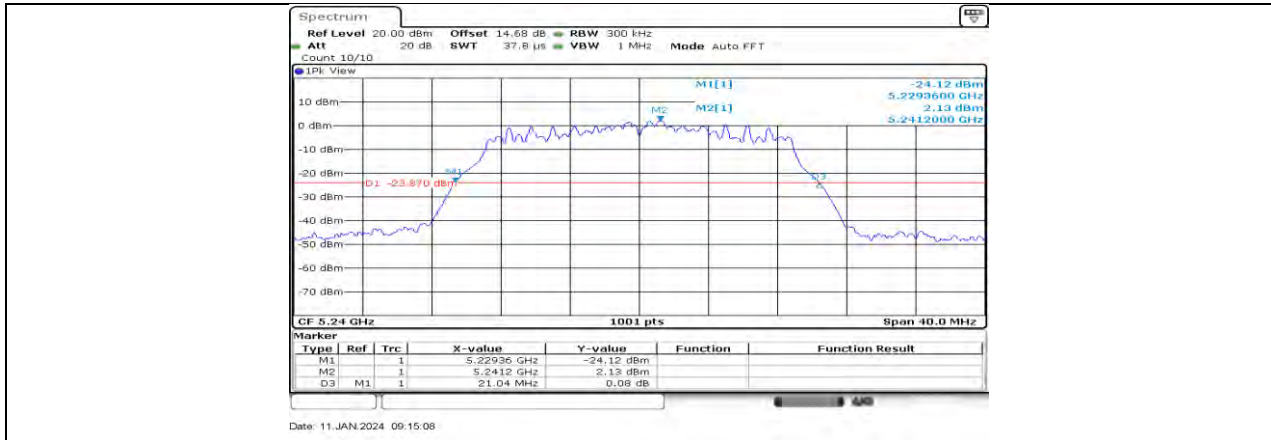
## 11N20MIMO Ant1 5200



## 11N20MIMO Ant2 5200



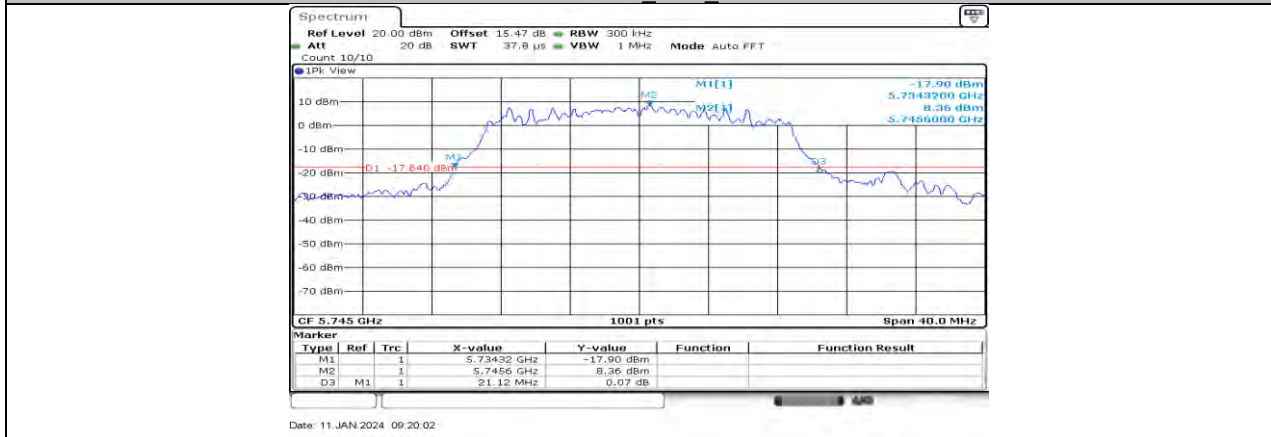
## 11N20MIMO Ant1 5240



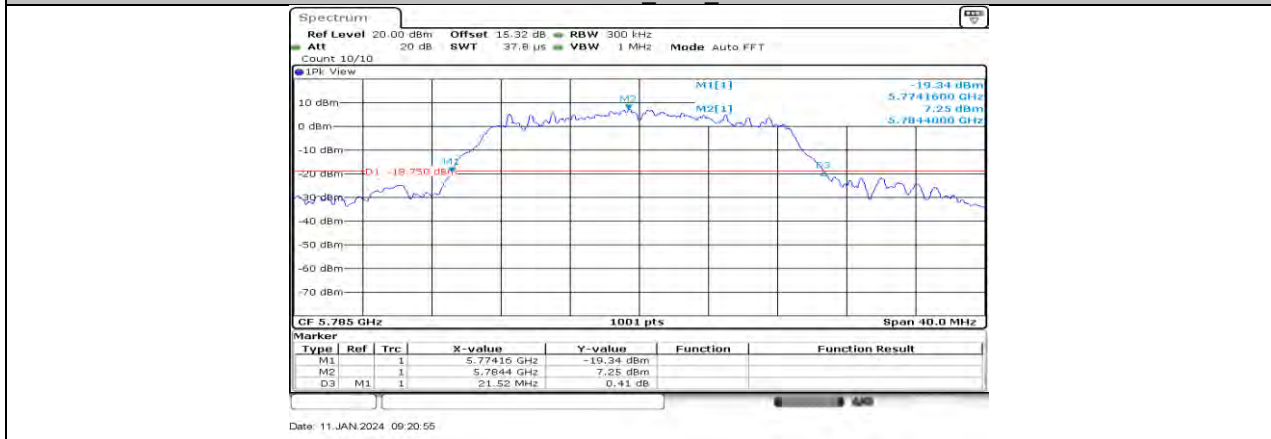
11N20MIMO Ant2 5240



11N20MIMO Ant1 5745



11N20MIMO Ant2 5745





## 11N20MIMO Ant1 5785



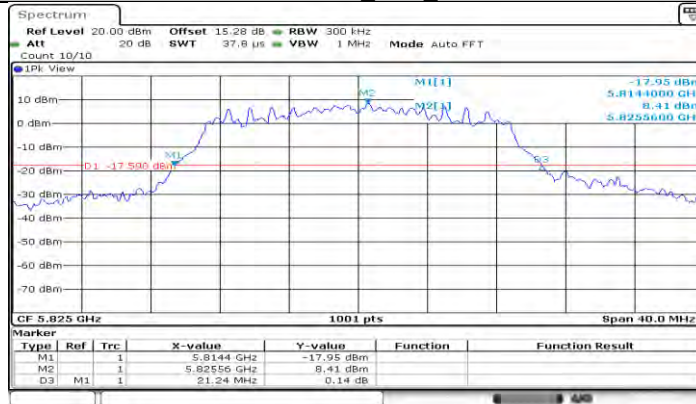
Date: 11.JAN.2024 09:21:17

## 11N20MIMO Ant2 5785



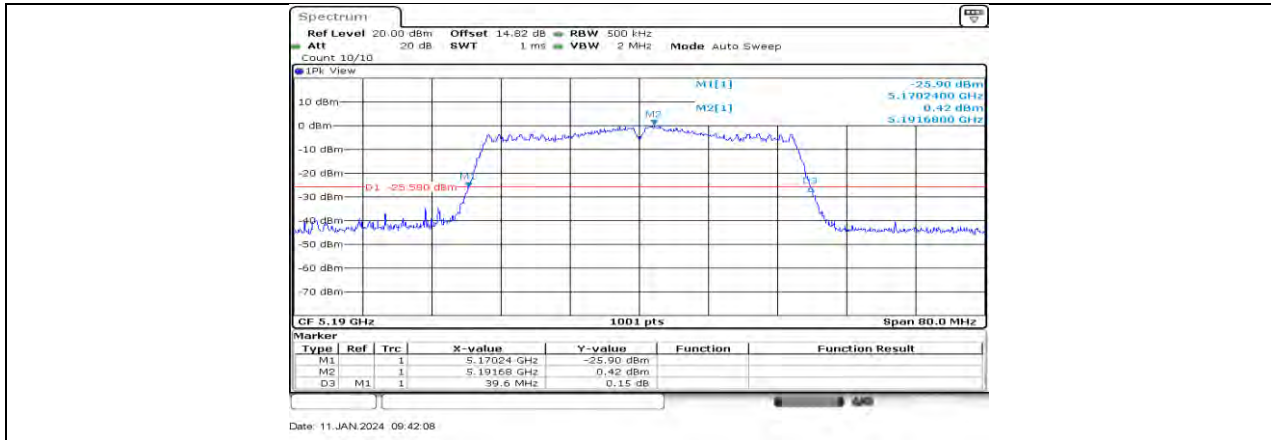
Date: 11.JAN.2024 09:24:31

## 11N20MIMO Ant1 5825



Date: 11.JAN.2024 09:24:53

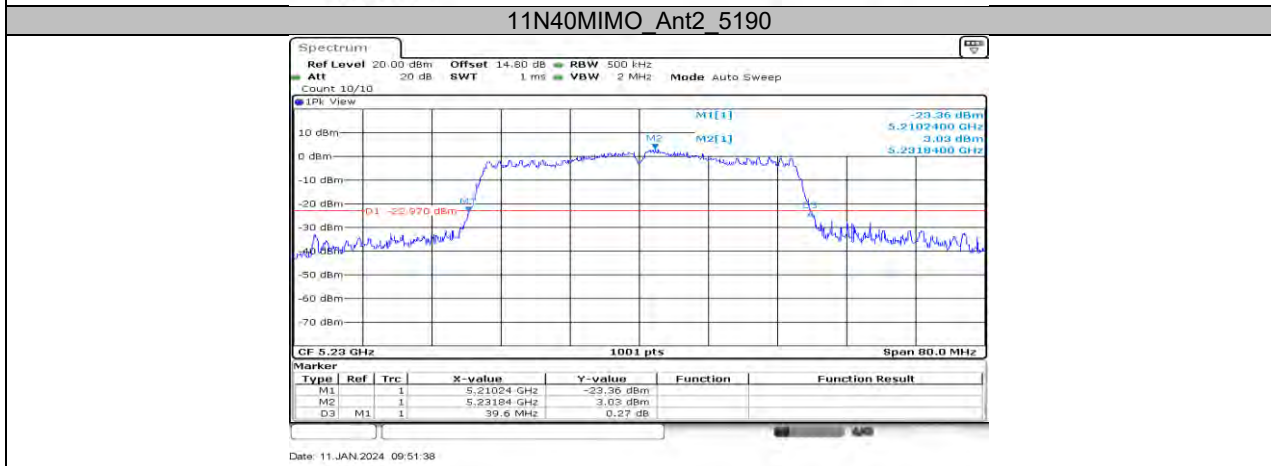
## 11N20MIMO Ant2 5825



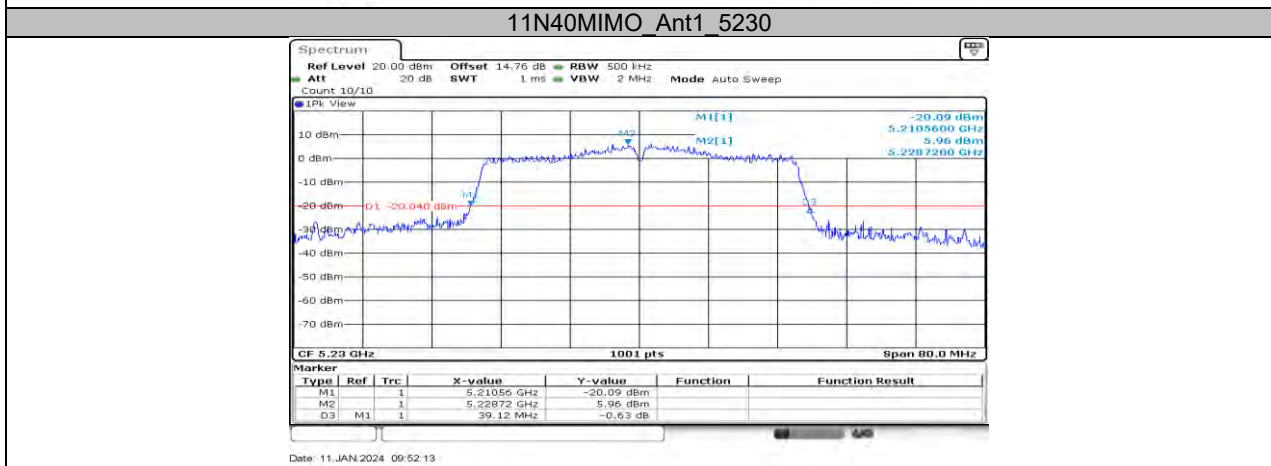
Date: 11.JAN.2024 09:42:08



Date: 11.JAN.2024 09:42:58



Date: 11.JAN.2024 09:51:38



Date: 11.JAN.2024 09:52:13

## 11N40MIMO Ant2 5230



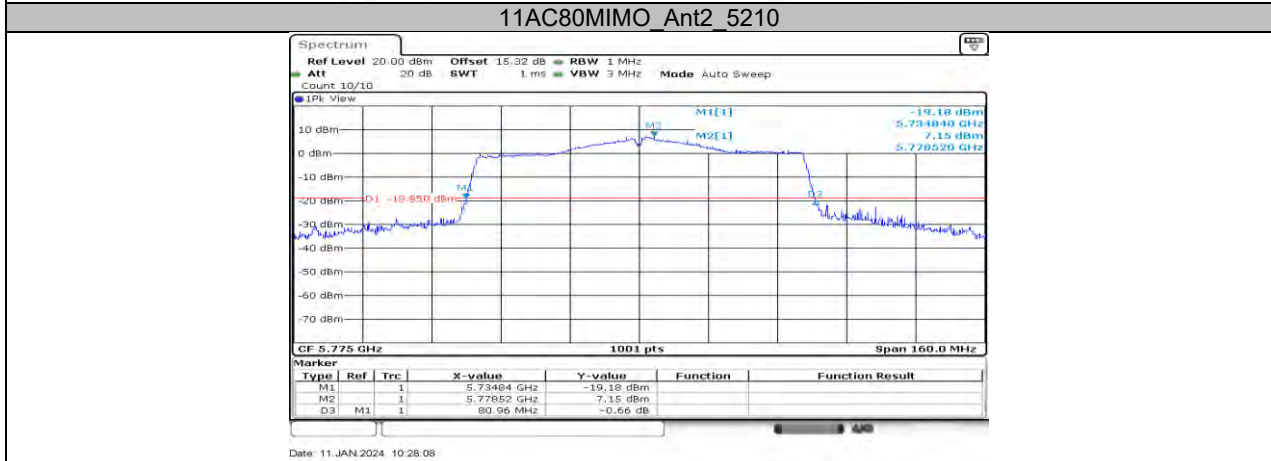
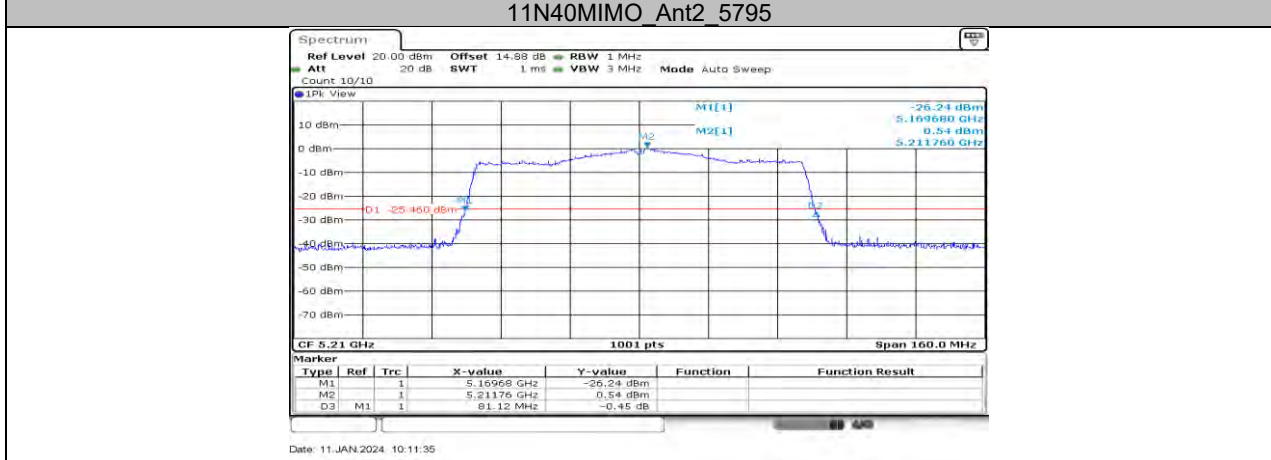
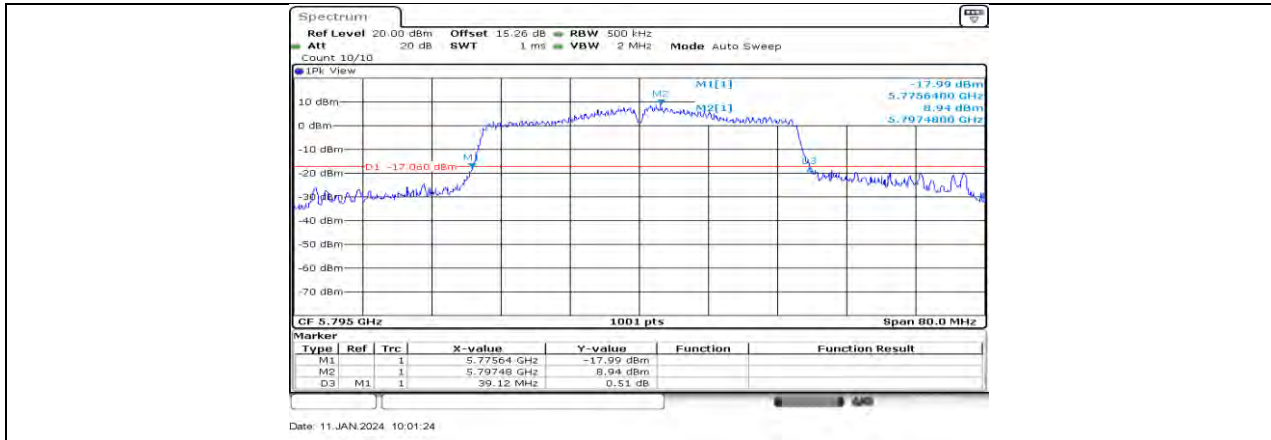
## 11N40MIMO Ant1 5755



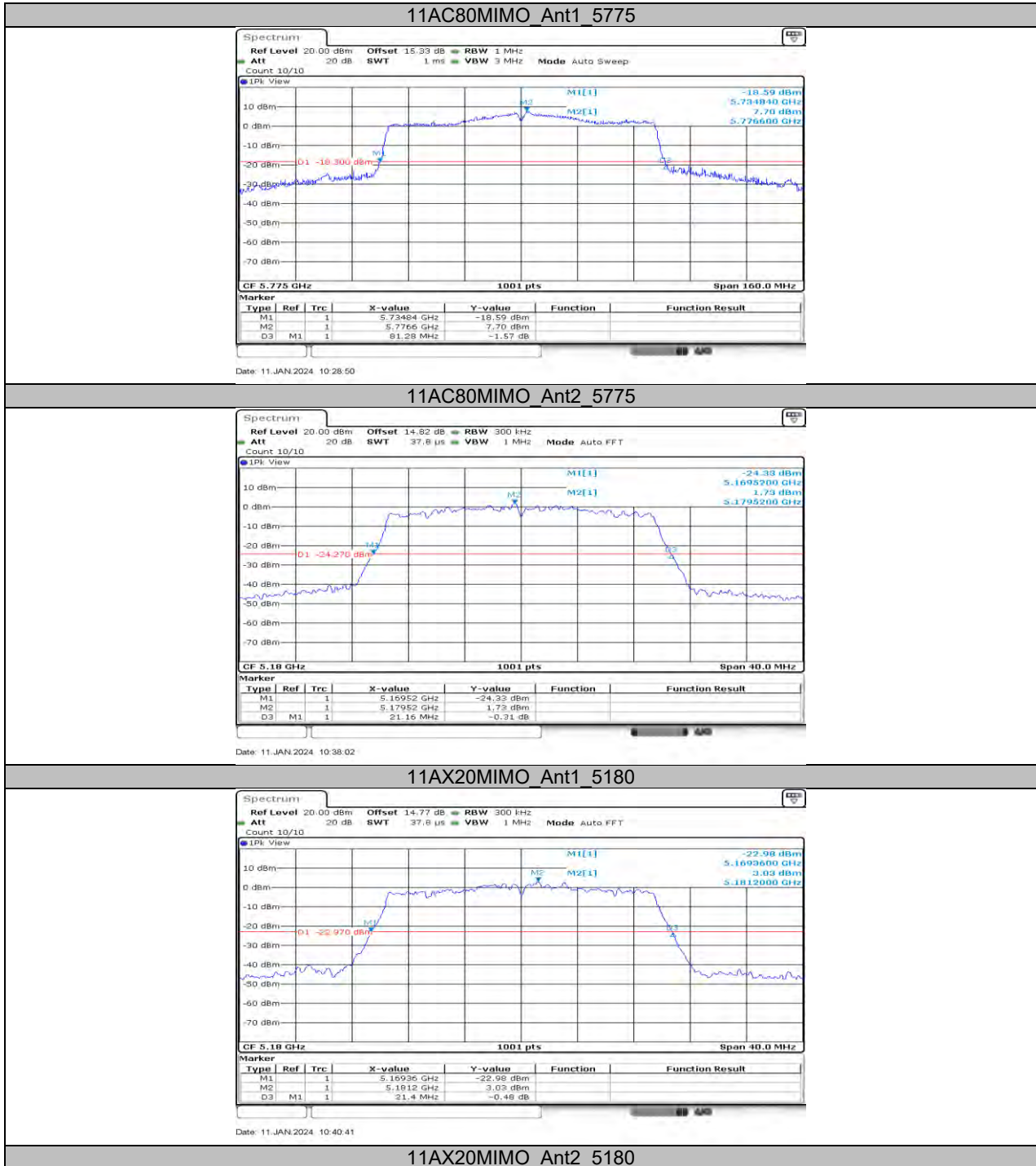
## 11N40MIMO Ant2 5755

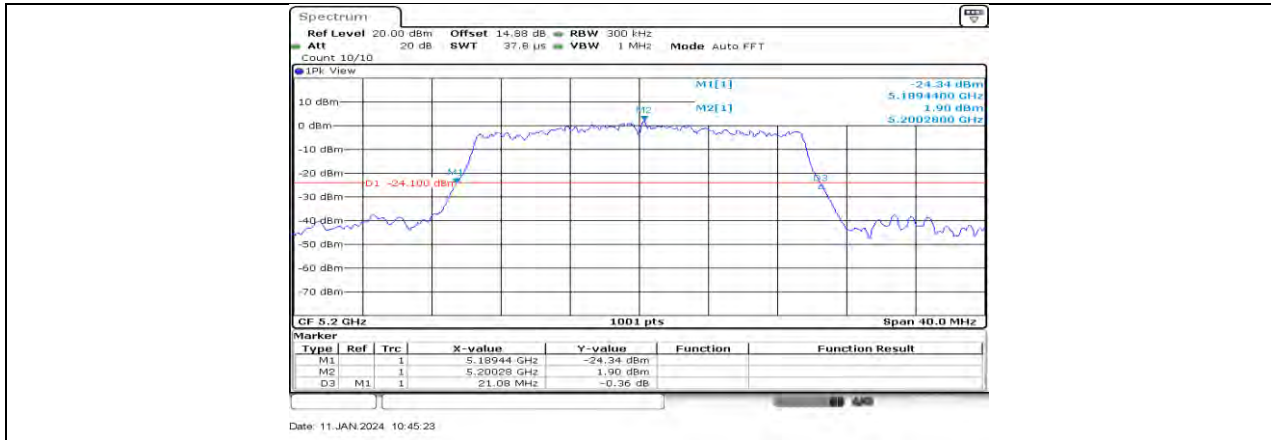


## 11N40MIMO Ant1 5795



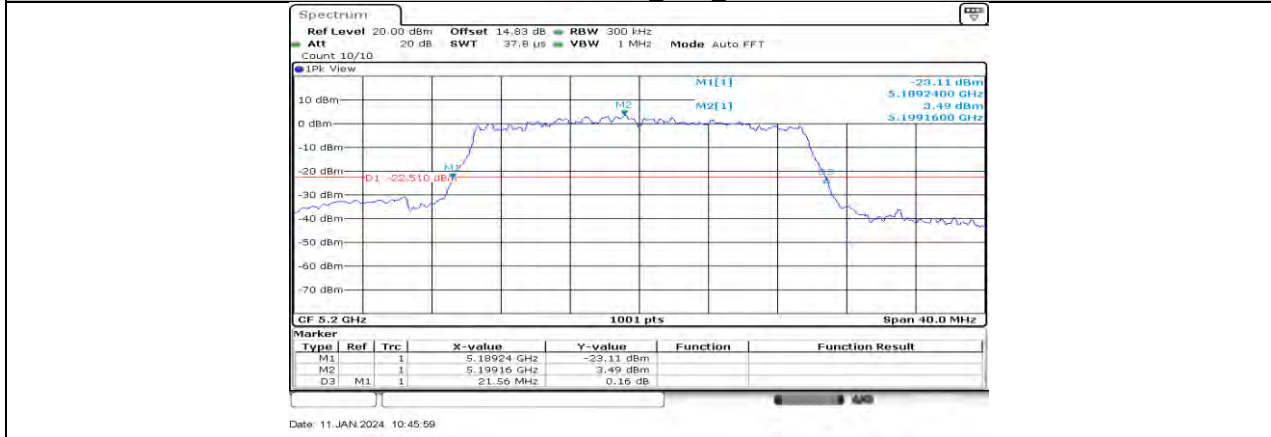






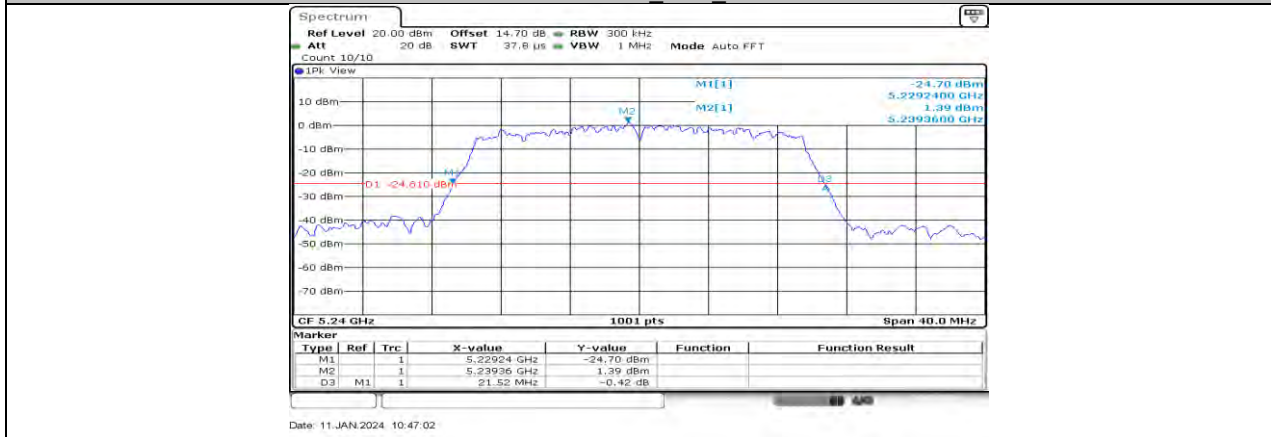
Date: 11.JAN.2024 10:45:23

11AX20MIMO Ant1\_5200



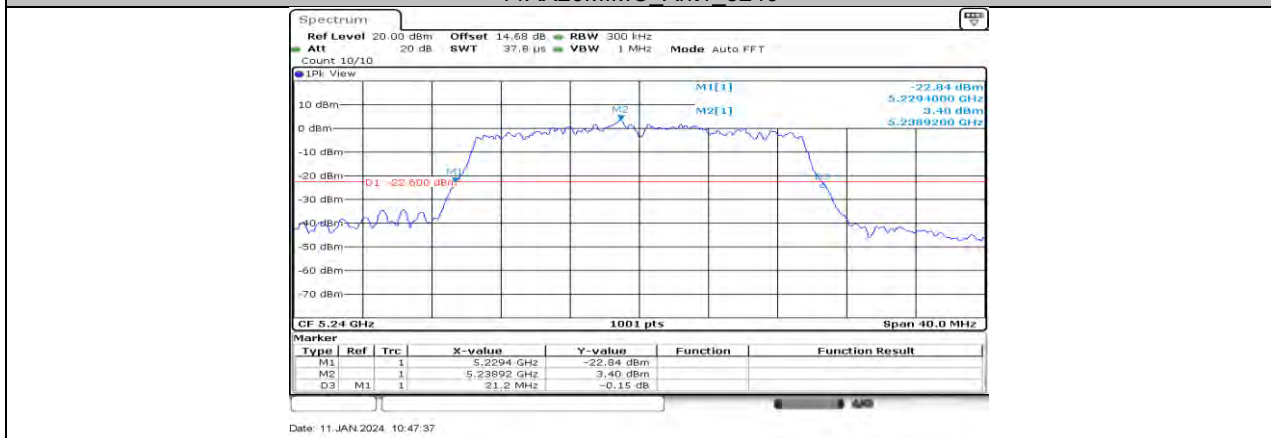
Date: 11.JAN.2024 10:45:59

11AX20MIMO Ant2\_5200

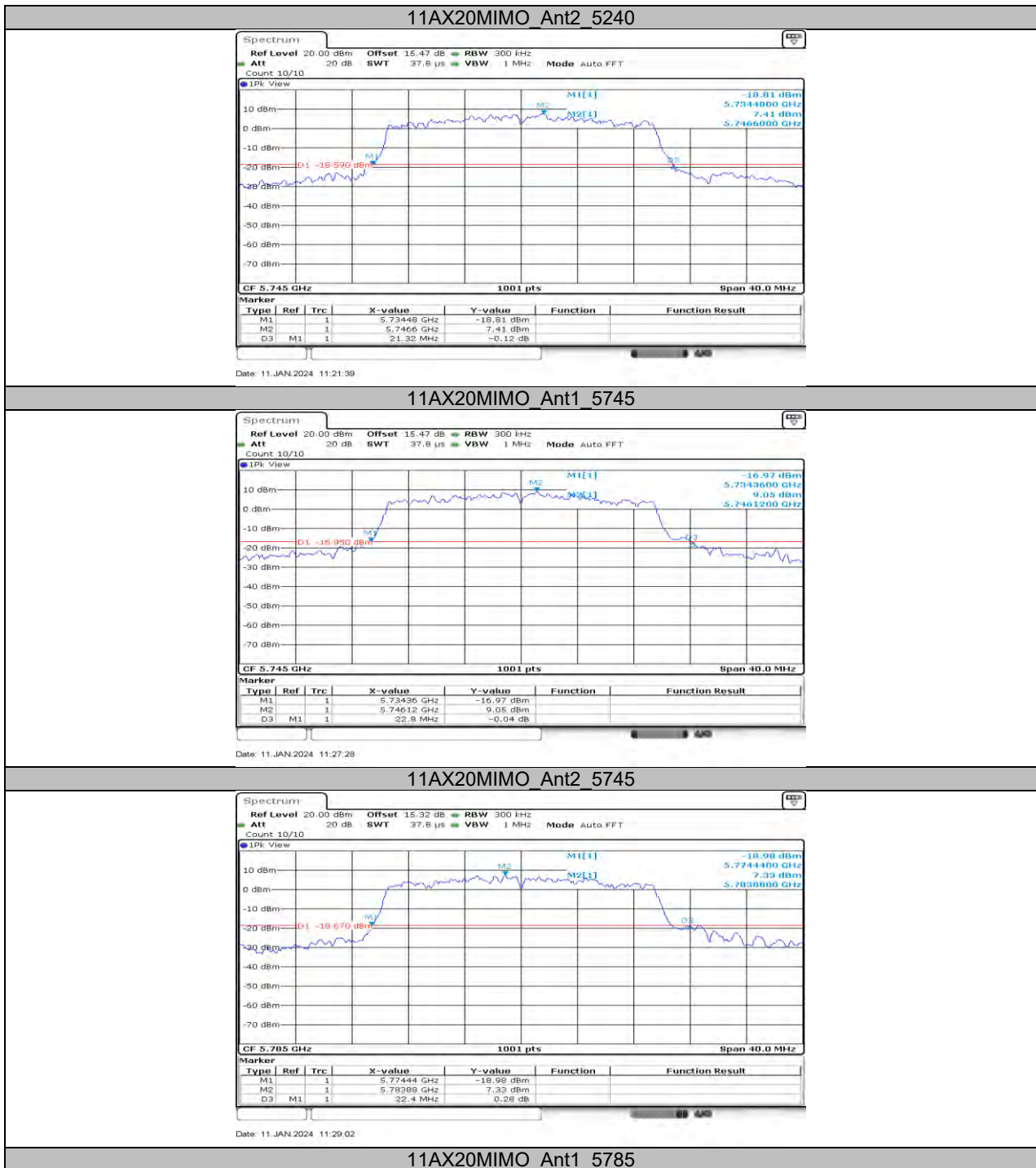


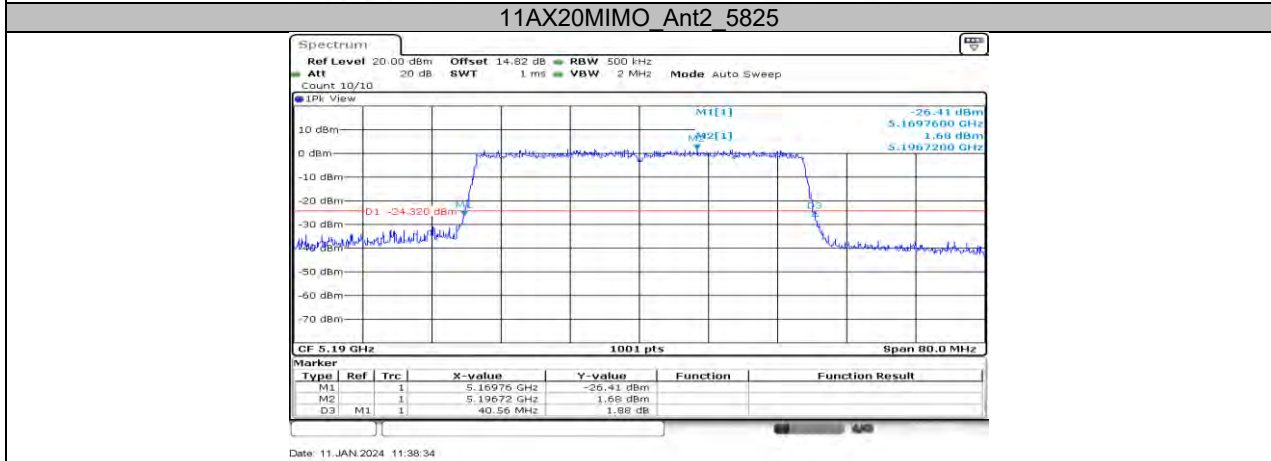
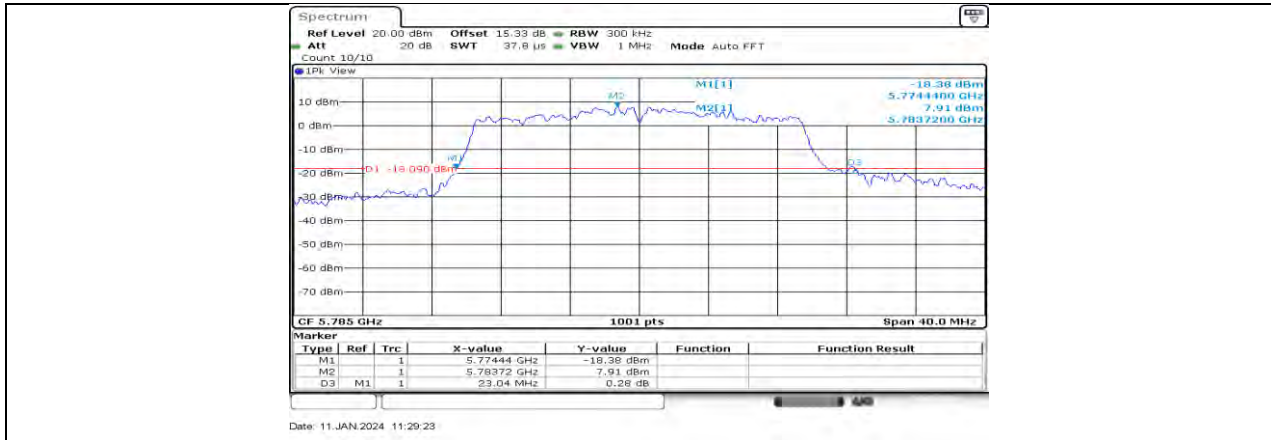
Date: 11.JAN.2024 10:47:02

11AX20MIMO Ant1\_5240



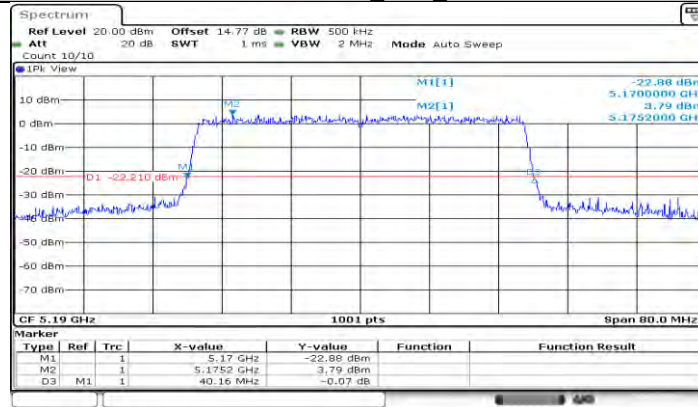
Date: 11.JAN.2024 10:47:37





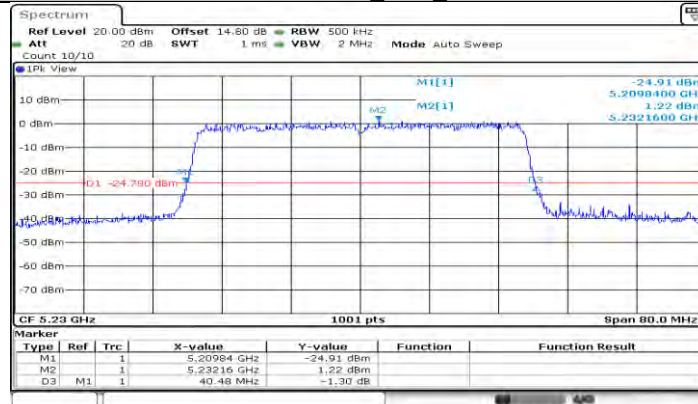


## 11AX40MIMO\_Ant1\_5190



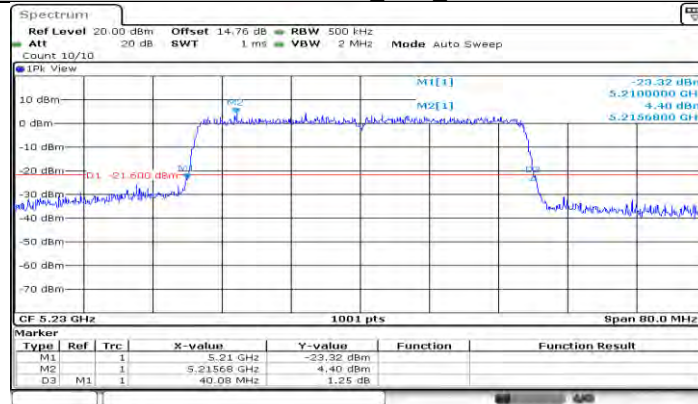
Date: 11.JAN.2024 11:39:22

## 11AX40MIMO\_Ant2\_5190



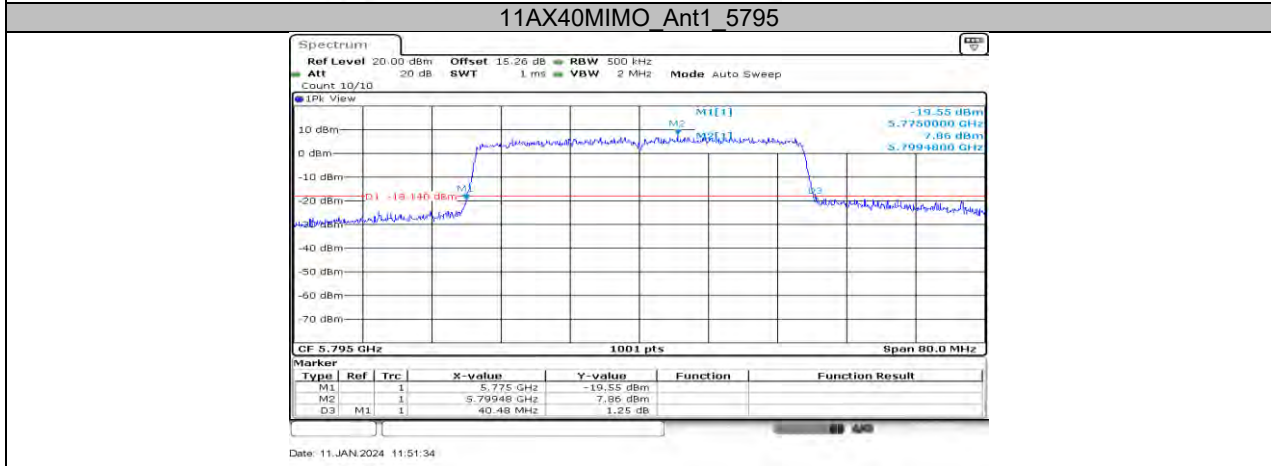
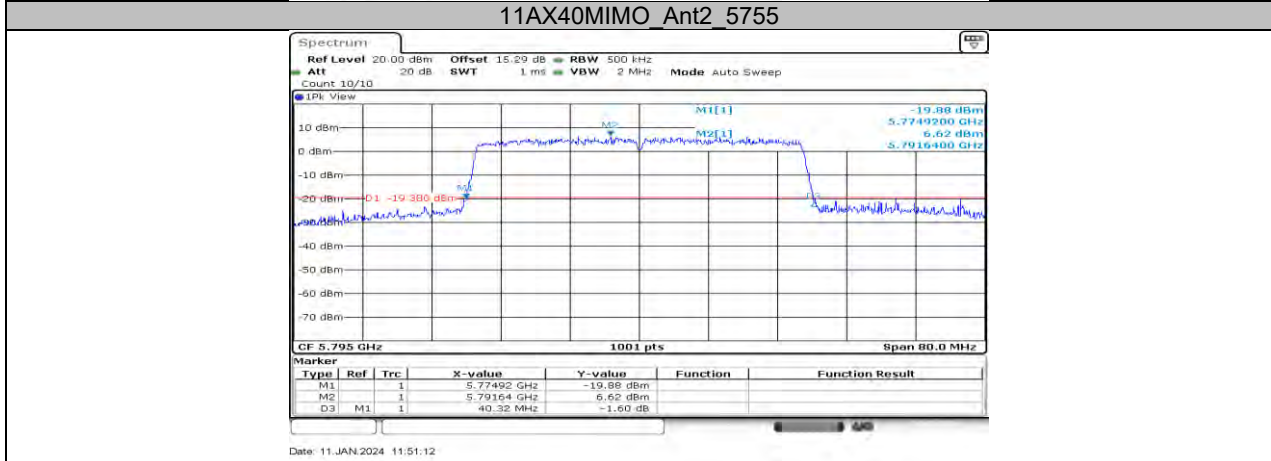
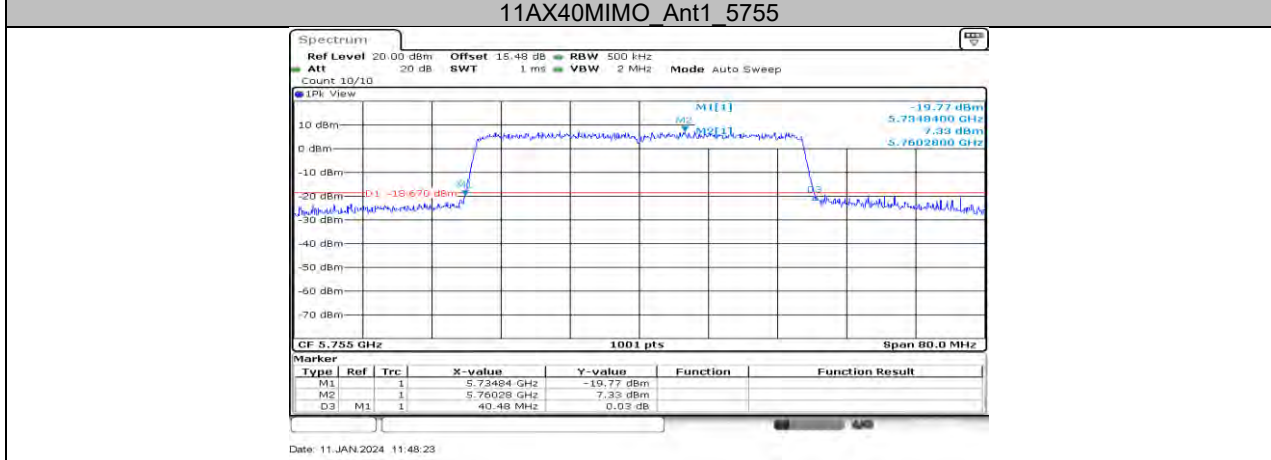
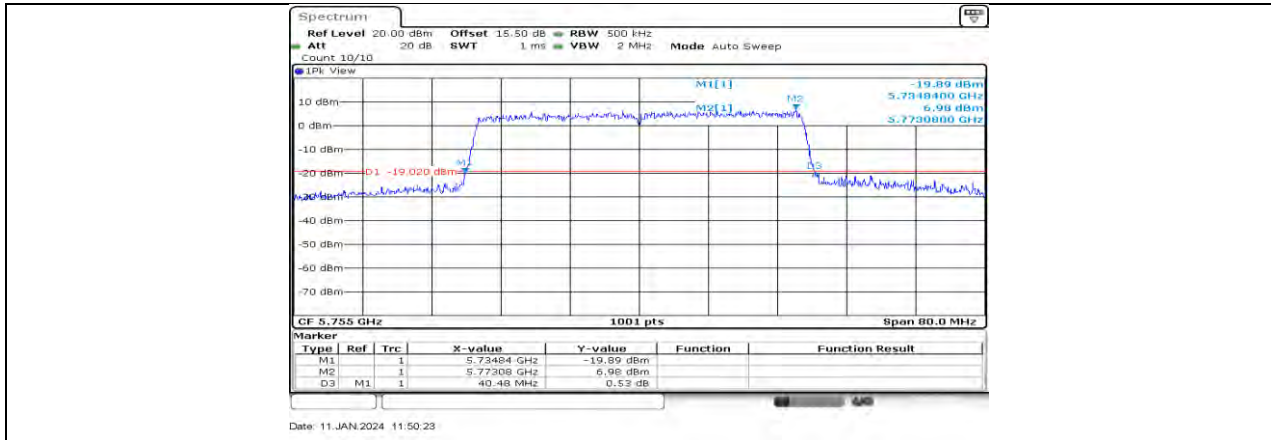
Date: 11.JAN.2024 11:43:03

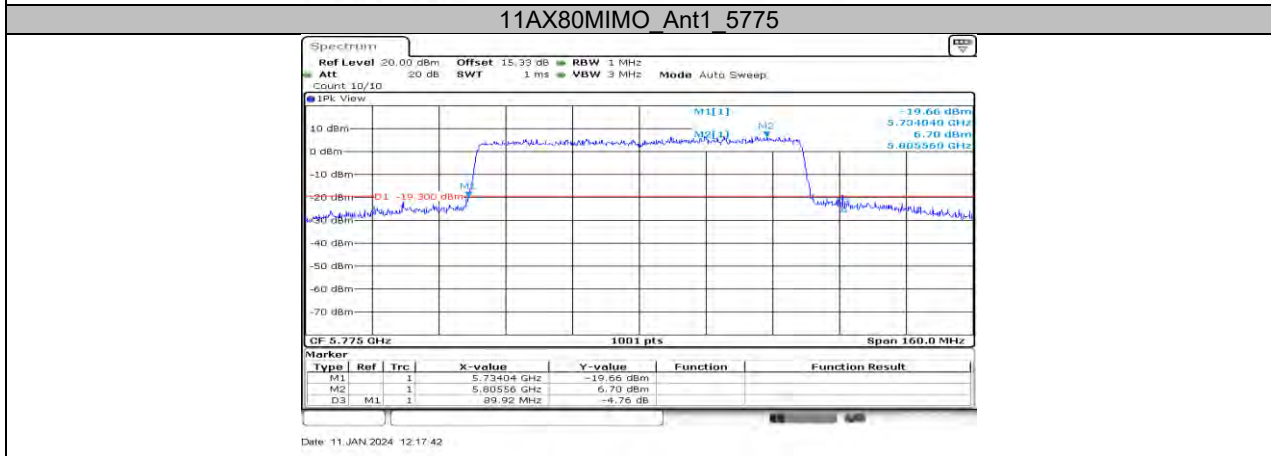
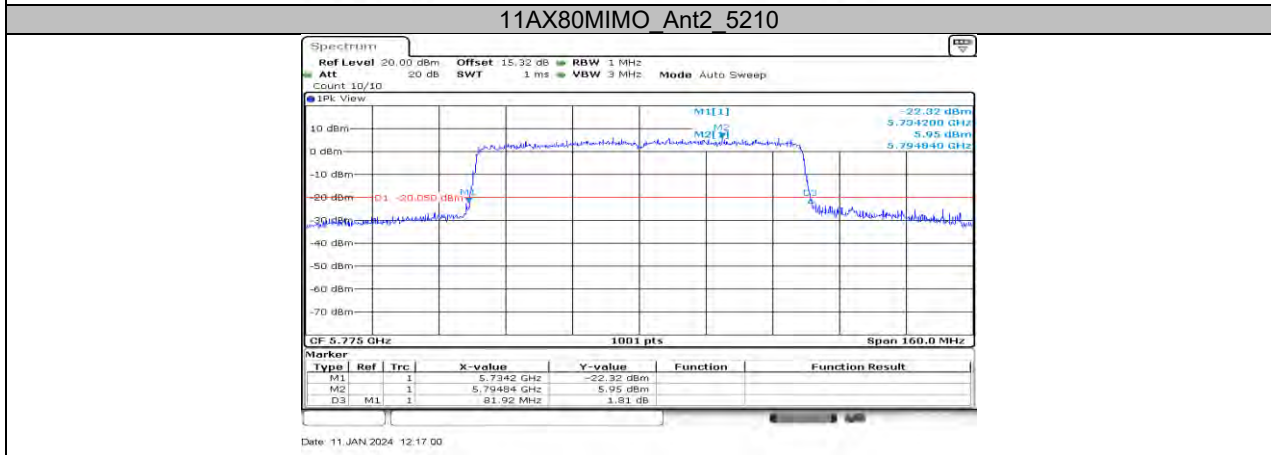
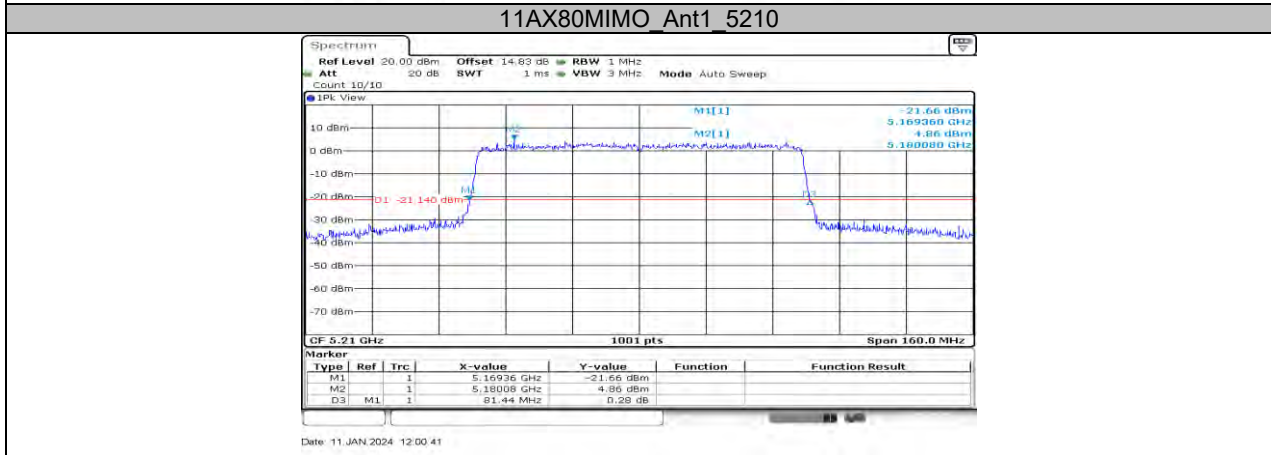
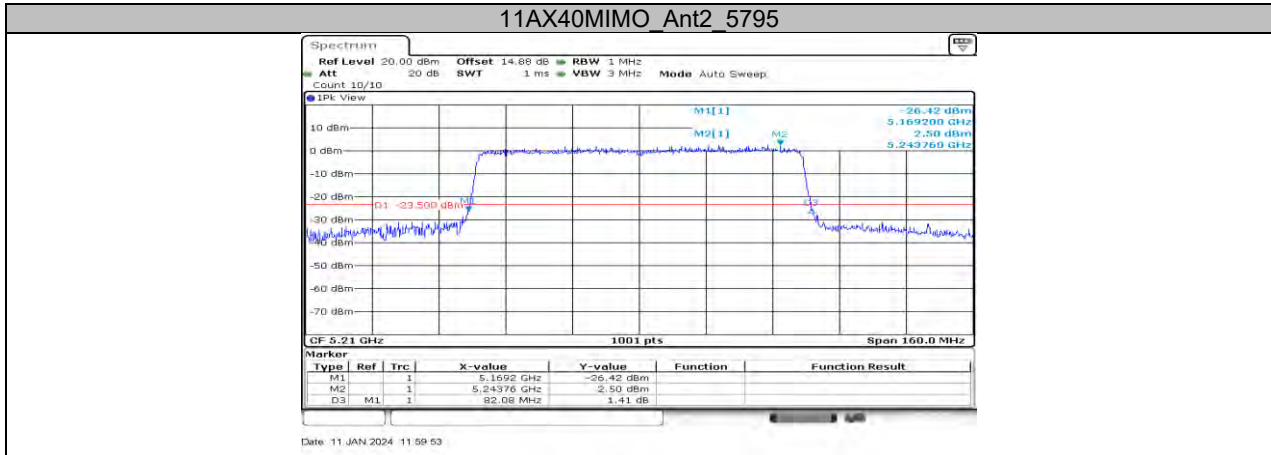
## 11AX40MIMO\_Ant1\_5230



Date: 11.JAN.2024 11:43:38

## 11AX40MIMO\_Ant2\_5230





### 11AX80MIMO\_Ant2\_5775

## 11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

### 11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	17.223	5171.4086	5188.6314	PASS
	Ant2	5180	16.903	5171.6084	5188.5115	PASS
	Ant1	5200	17.303	5191.3686	5208.6713	PASS
	Ant2	5200	16.943	5191.5684	5208.5115	PASS
	Ant1	5240	17.263	5231.4086	5248.6713	PASS
	Ant2	5240	16.943	5231.6084	5248.5514	PASS
	Ant1	5745	17.383	5736.4086	5753.7912	PASS
	Ant2	5745	17.063	5736.5285	5753.5914	PASS
	Ant1	5785	17.303	5776.3686	5793.6713	PASS
	Ant2	5785	17.063	5776.6084	5793.6713	PASS
11N20MIMO	Ant1	5825	17.423	5816.3287	5833.7512	PASS
	Ant2	5825	17.063	5816.5684	5833.6314	PASS
	Ant1	5180	18.222	5170.8891	5189.1109	PASS
	Ant2	5180	17.862	5171.1289	5188.9910	PASS
	Ant1	5200	18.382	5190.8092	5209.1908	PASS
	Ant2	5200	17.902	5191.0490	5208.9510	PASS
	Ant1	5240	18.342	5230.8492	5249.1908	PASS
	Ant2	5240	17.902	5231.0889	5248.9910	PASS
	Ant1	5745	18.422	5735.8891	5754.3107	PASS
	Ant2	5745	17.982	5736.0090	5753.9910	PASS
11N40MIMO	Ant1	5785	18.262	5775.8891	5794.1508	PASS
	Ant2	5785	17.942	5776.1289	5794.0709	PASS
	Ant1	5825	18.422	5815.8092	5834.2308	PASS
	Ant2	5825	17.902	5816.0889	5833.9910	PASS
	Ant1	5190	36.284	5171.9381	5208.2218	PASS
	Ant2	5190	36.044	5172.0979	5208.1419	PASS
	Ant1	5230	36.284	5212.0180	5248.3017	PASS
	Ant2	5230	36.284	5211.9381	5248.2218	PASS
11AC80MIMO	Ant1	5755	36.284	5737.0979	5773.3816	PASS
	Ant2	5755	36.364	5736.8581	5773.2218	PASS
	Ant1	5795	36.204	5777.0180	5813.2218	PASS
	Ant2	5795	36.204	5777.0979	5813.3017	PASS
11AX20MIMO	Ant1	5210	75.604	5172.4376	5248.0420	PASS
	Ant2	5210	75.125	5172.5974	5247.7223	PASS
	Ant1	5775	75.285	5737.7572	5813.0420	PASS
	Ant2	5775	75.764	5737.2777	5813.0420	PASS
11AX40MIMO	Ant1	5180	19.061	5170.4895	5189.5504	PASS
	Ant2	5180	19.061	5170.5295	5189.5904	PASS
	Ant1	5200	19.101	5190.4895	5209.5904	PASS
	Ant2	5200	19.101	5190.4895	5209.5904	PASS
	Ant1	5240	19.021	5230.5295	5249.5504	PASS
	Ant2	5240	19.061	5230.5295	5249.5904	PASS
	Ant1	5745	19.181	5735.4496	5754.6304	PASS
	Ant2	5745	19.261	5735.3696	5754.6304	PASS
	Ant1	5785	19.061	5775.4895	5794.5504	PASS
	Ant2	5785	19.141	5775.5295	5794.6703	PASS
11AX80MIMO	Ant1	5825	19.141	5815.4496	5834.5904	PASS
	Ant2	5825	19.141	5815.4895	5834.6304	PASS
	Ant1	5190	37.962	5171.0589	5209.0210	PASS
	Ant2	5190	37.882	5171.1389	5209.0210	PASS
	Ant1	5230	37.882	5211.2188	5249.1009	PASS
	Ant2	5230	37.882	5211.1389	5249.0210	PASS
	Ant1	5755	37.882	5736.2188	5774.1009	PASS
	Ant2	5755	37.882	5736.1389	5774.0210	PASS
11AX80MIMO	Ant1	5795	37.722	5776.2188	5813.9411	PASS
	Ant2	5795	37.882	5776.2188	5814.1009	PASS
11AX80MIMO	Ant1	5210	77.842	5171.1588	5249.0010	PASS
	Ant2	5210	77.522	5171.4785	5249.0010	PASS



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	Ant1	5775	77.522	5736.4785	5814.0010	PASS
	Ant2	5775	78.002	5736.1588	5814.1608	PASS

### 11.2.2. Test Graphs





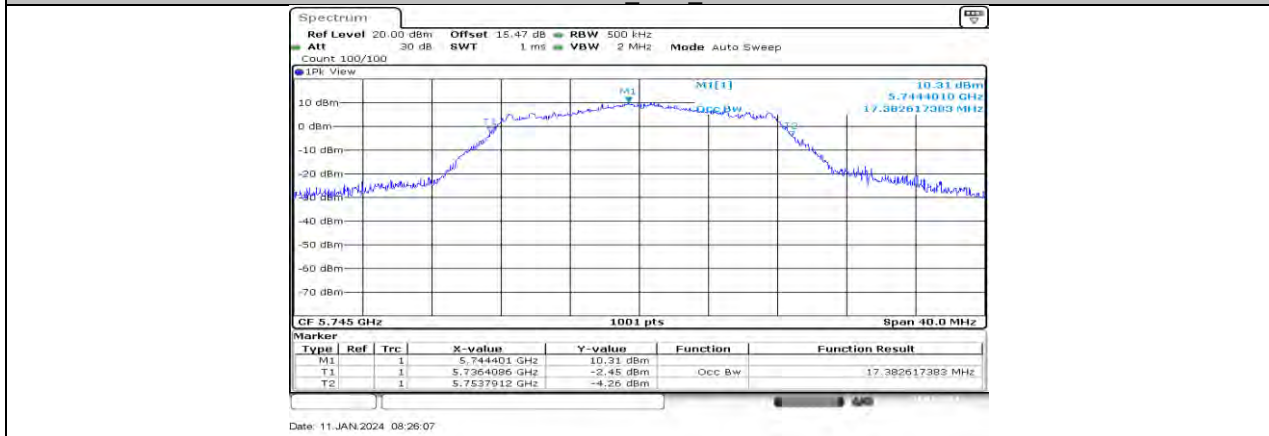
11A-CDD Ant2 5200

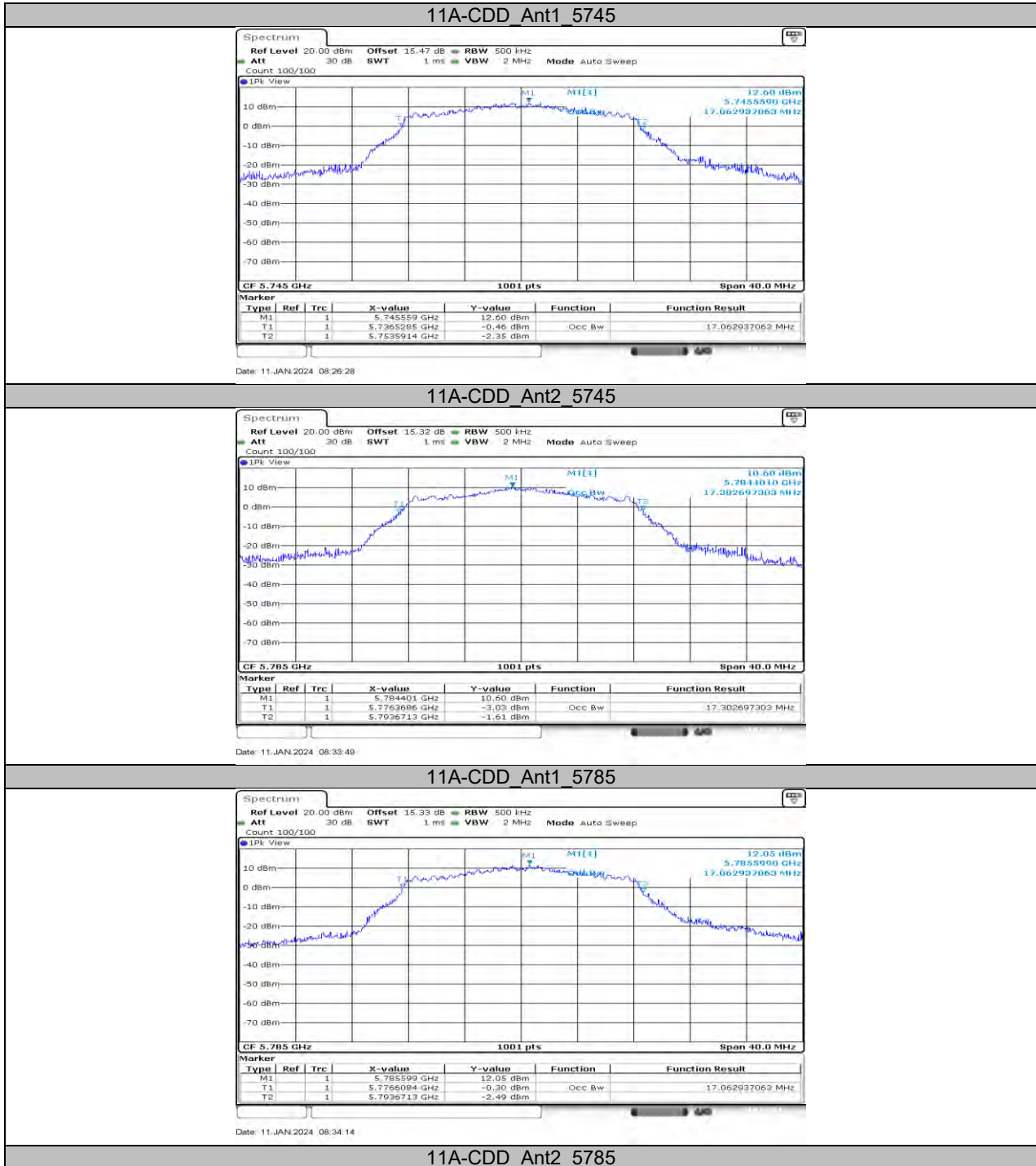


11A-CDD Ant1 5240

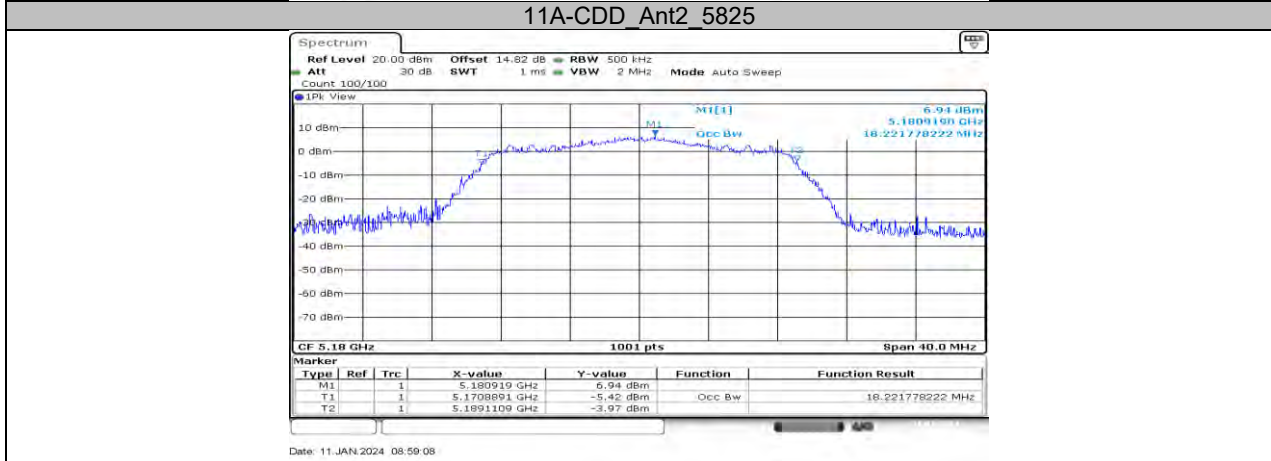
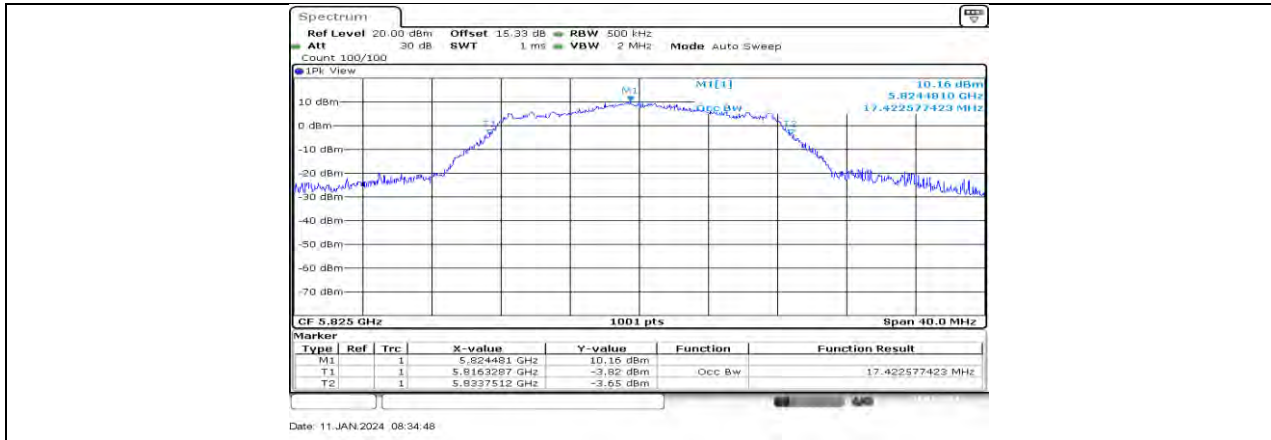


11A-CDD Ant2 5240









## 11N20MIMO Ant2 5180



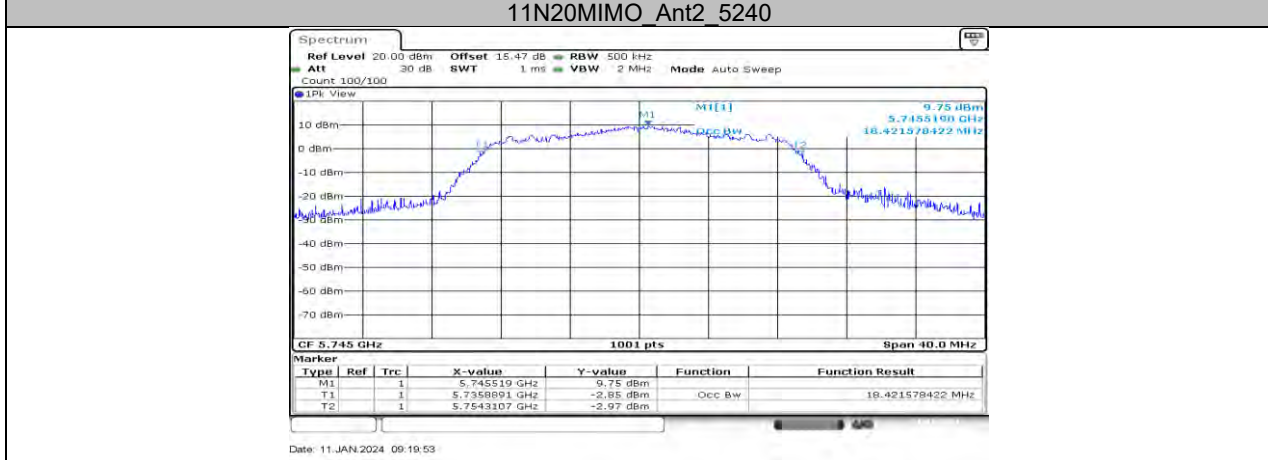
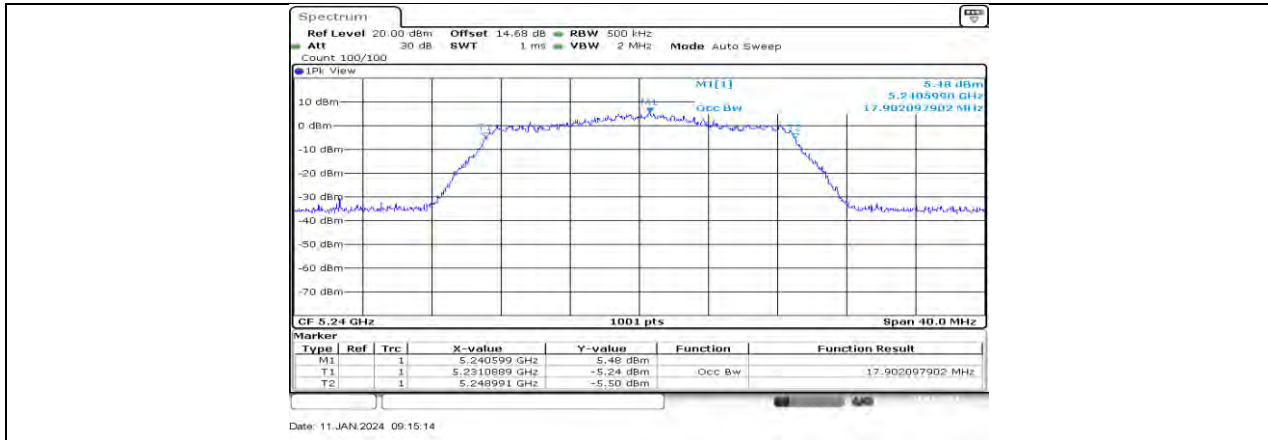
## 11N20MIMO Ant1 5200

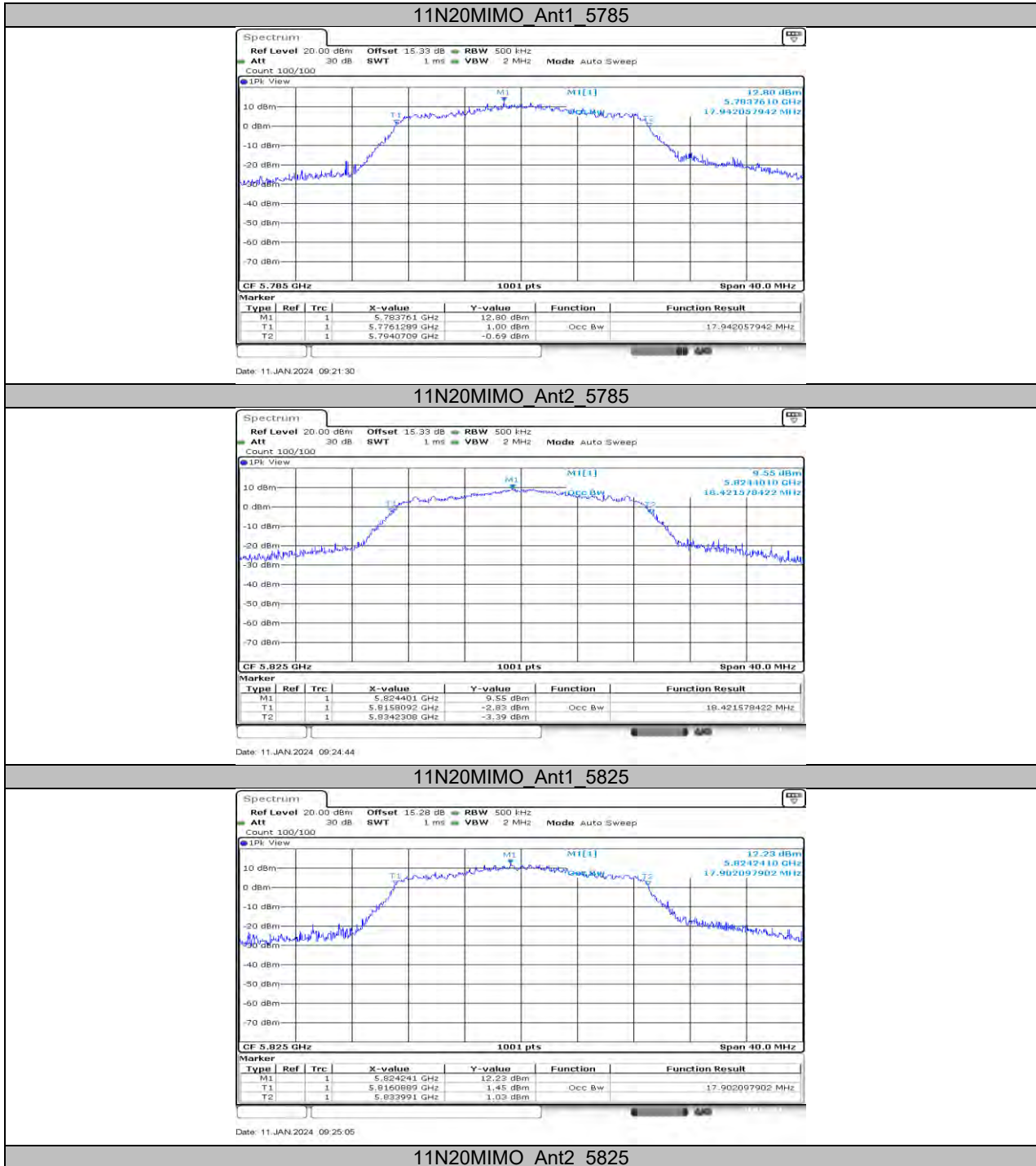


## 11N20MIMO Ant2 5200

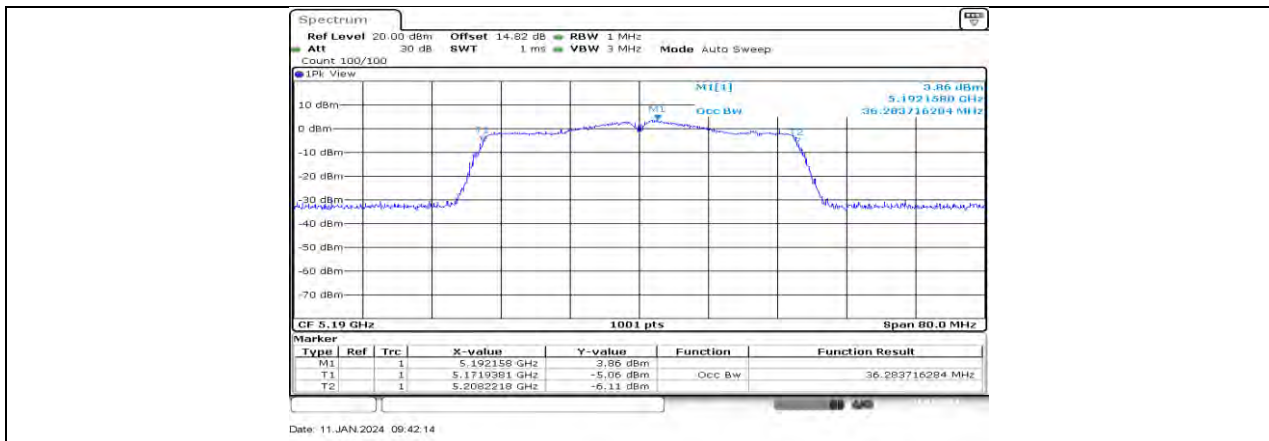


## 11N20MIMO Ant1 5240





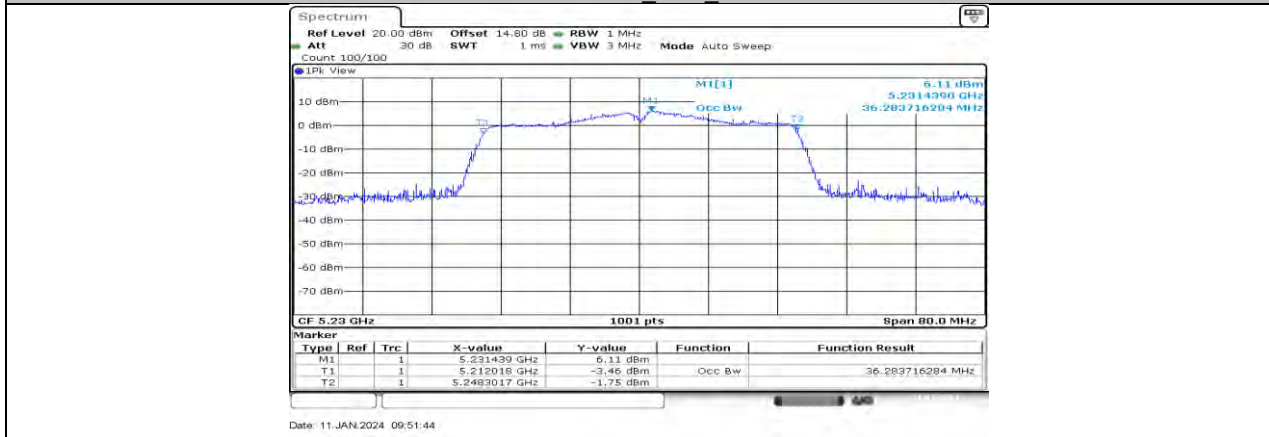




11N40MIMO Ant1 5190

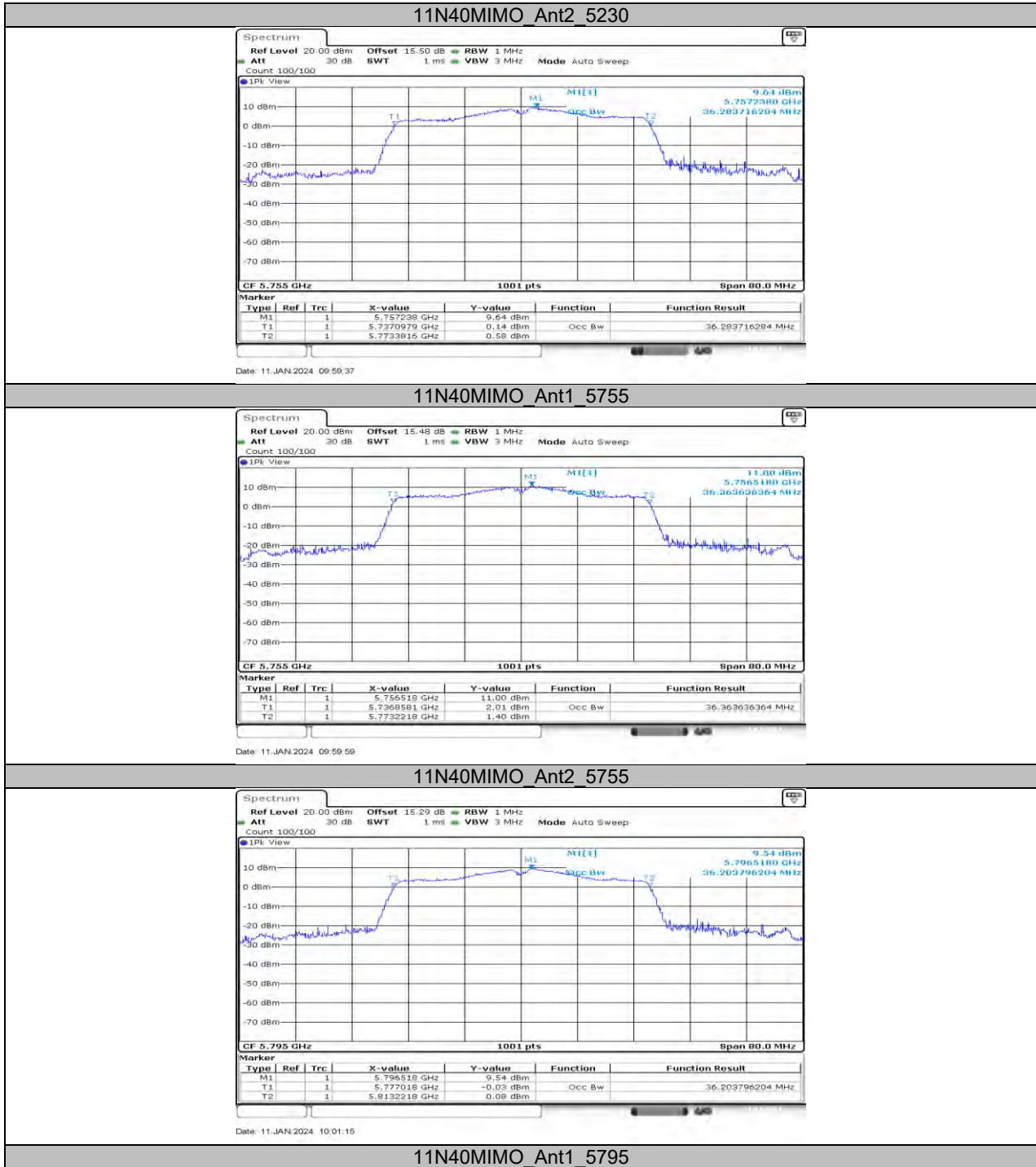


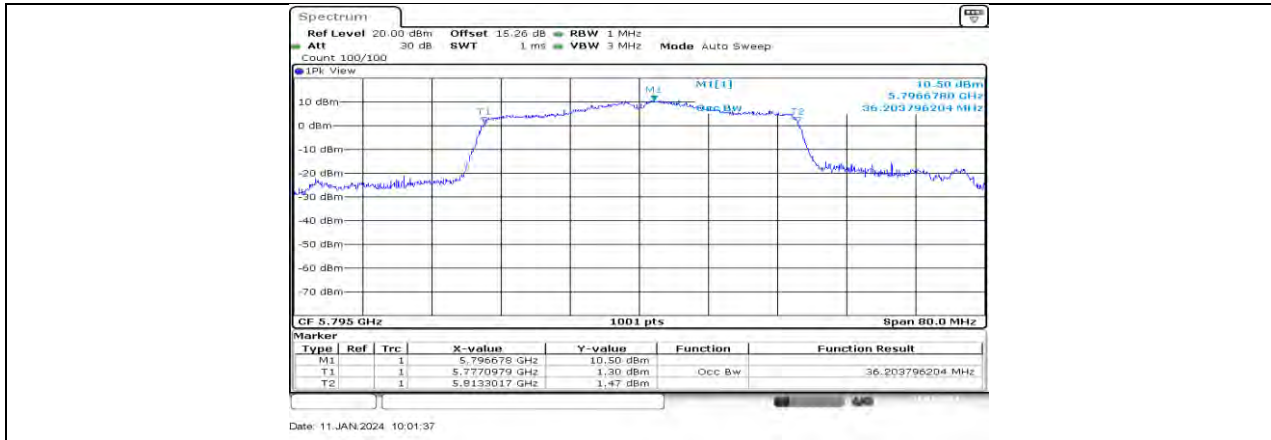
11N40MIMO Ant2 5190



11N40MIMO Ant1 5230







Date: 11.JAN.2024 10:01:37

11N40MIMO Ant2\_5795



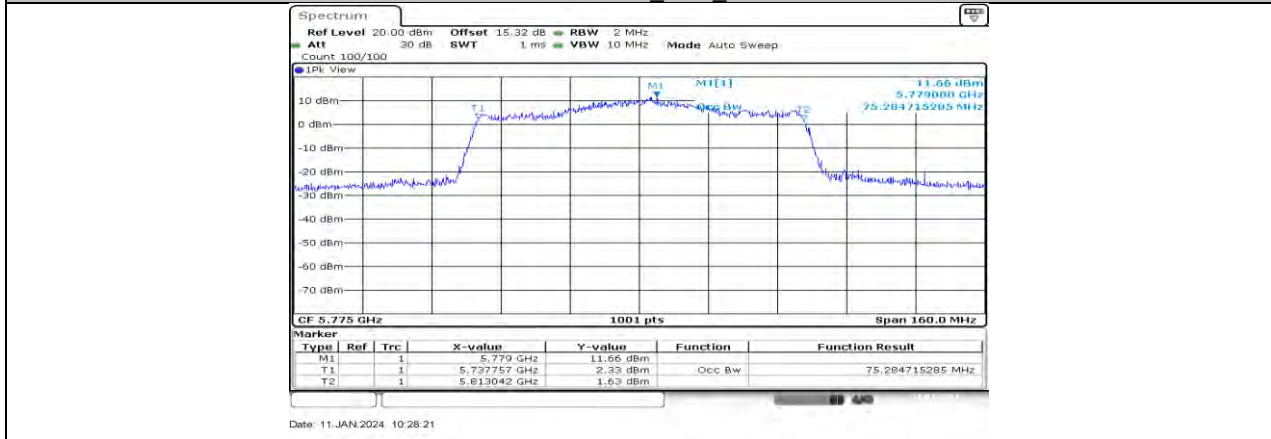
Date: 11.JAN.2024 10:11:41

11AC80MIMO Ant1\_5210



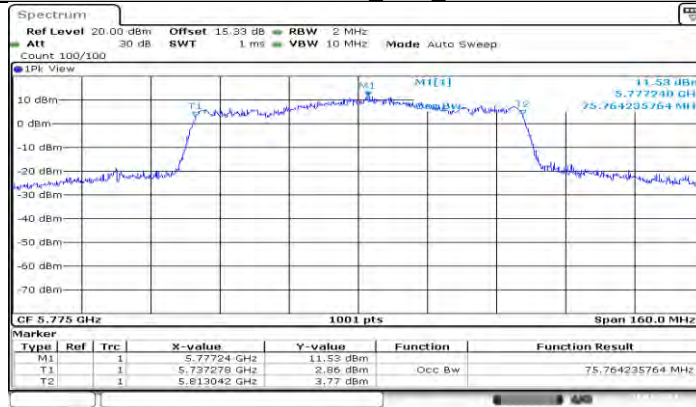
Date: 11.JAN.2024 10:12:29

11AC80MIMO Ant2\_5210

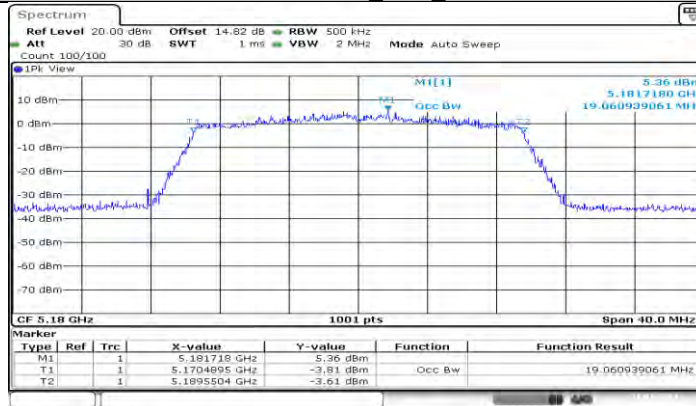


Date: 11.JAN.2024 10:28:21

## 11AC80MIMO\_Ant1\_5775



## 11AC80MIMO\_Ant2\_5775

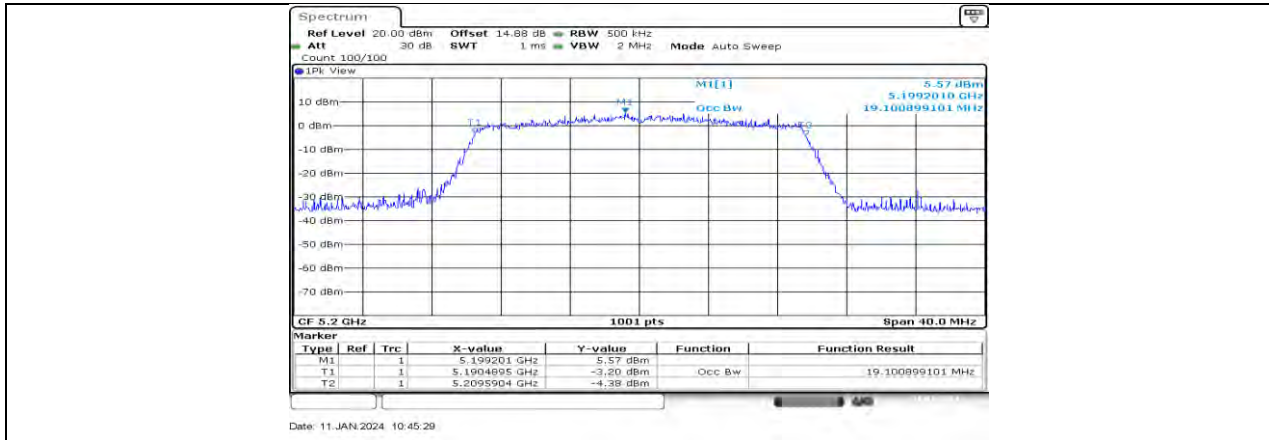


## 11AX20MIMO\_Ant1\_5180

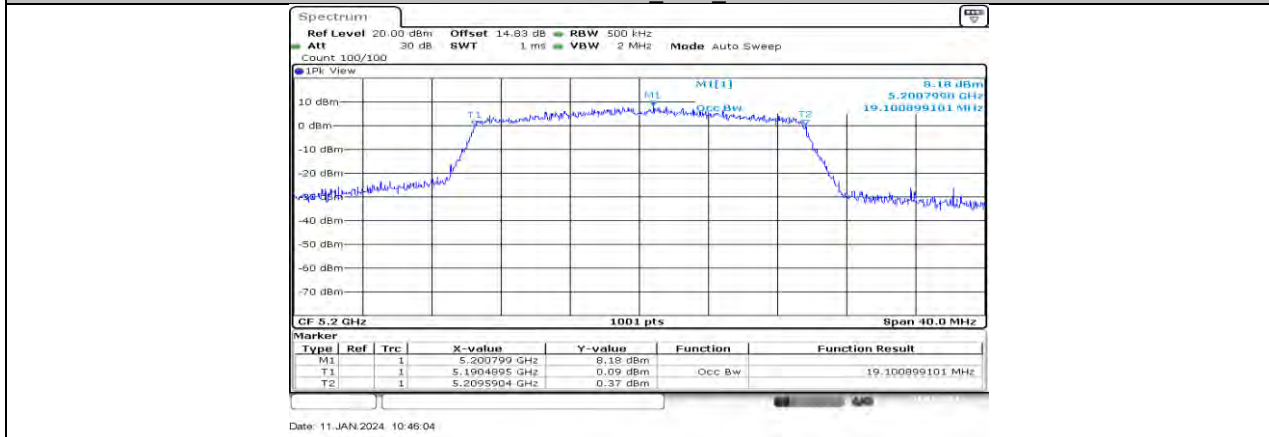


## 11AX20MIMO\_Ant2\_5180





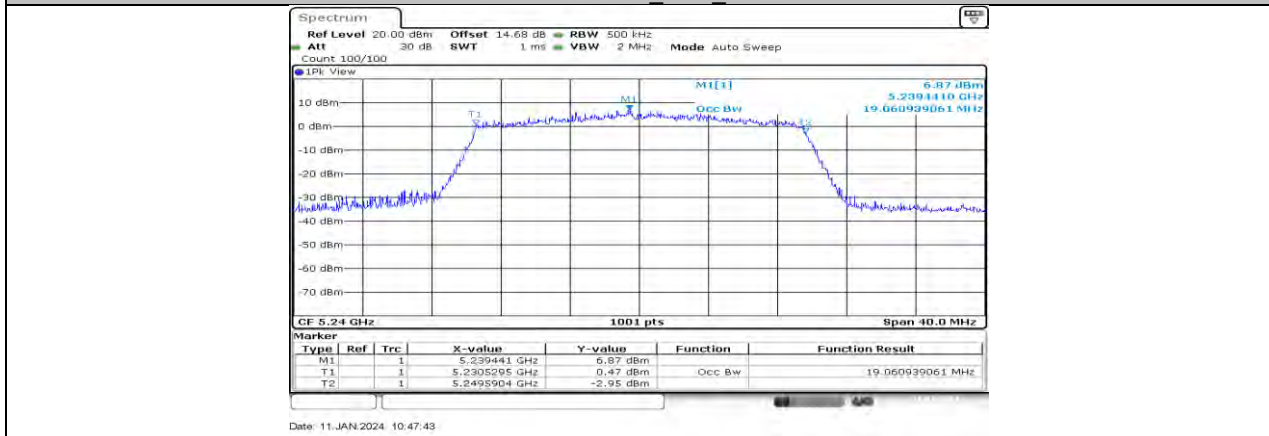
11AX20MIMO Ant1\_5200

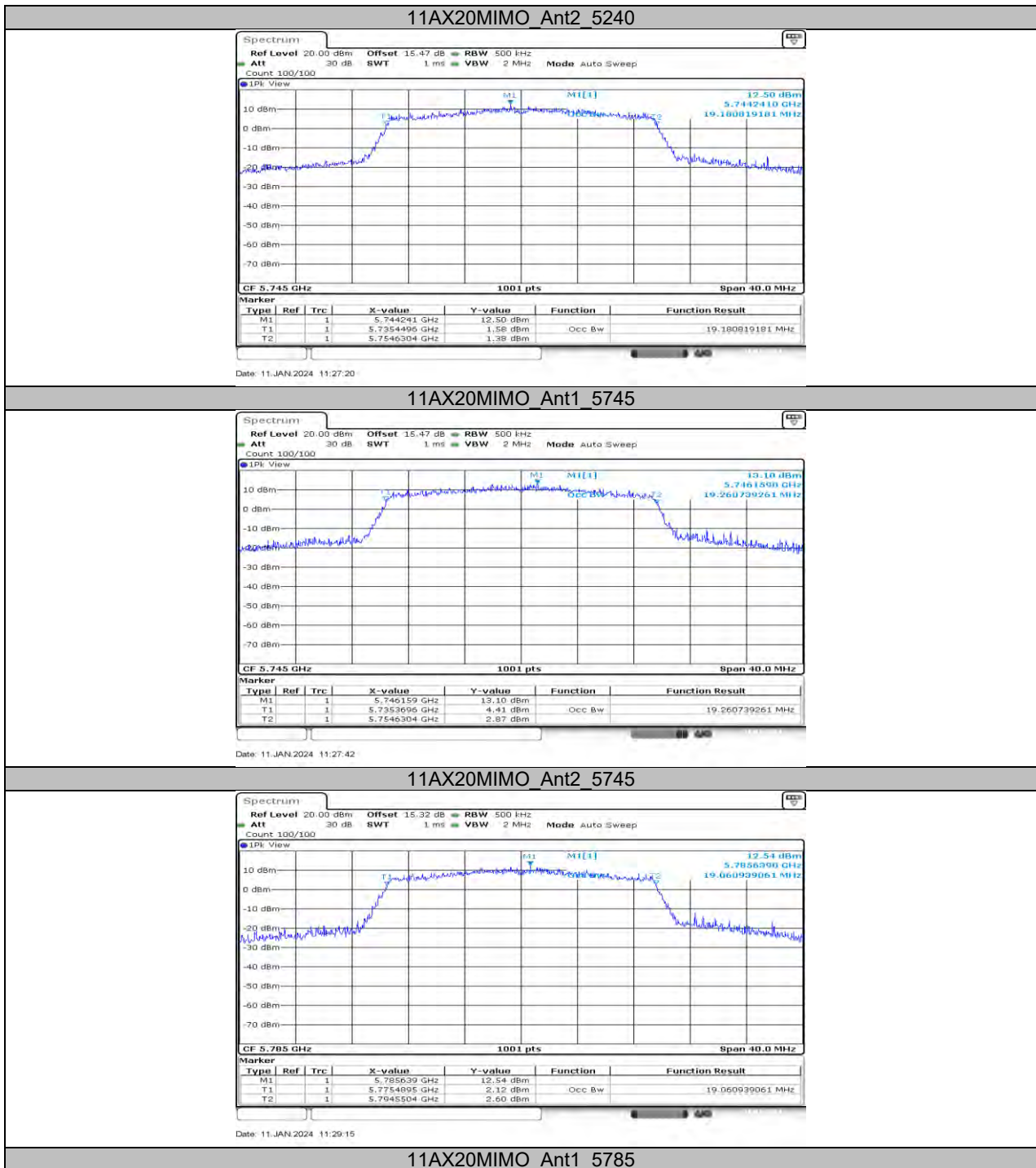


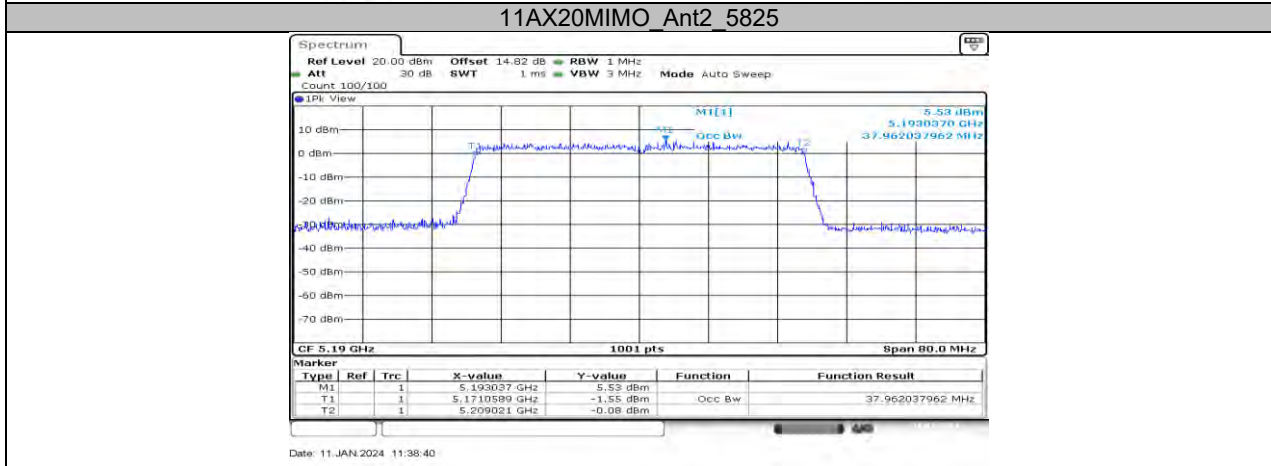
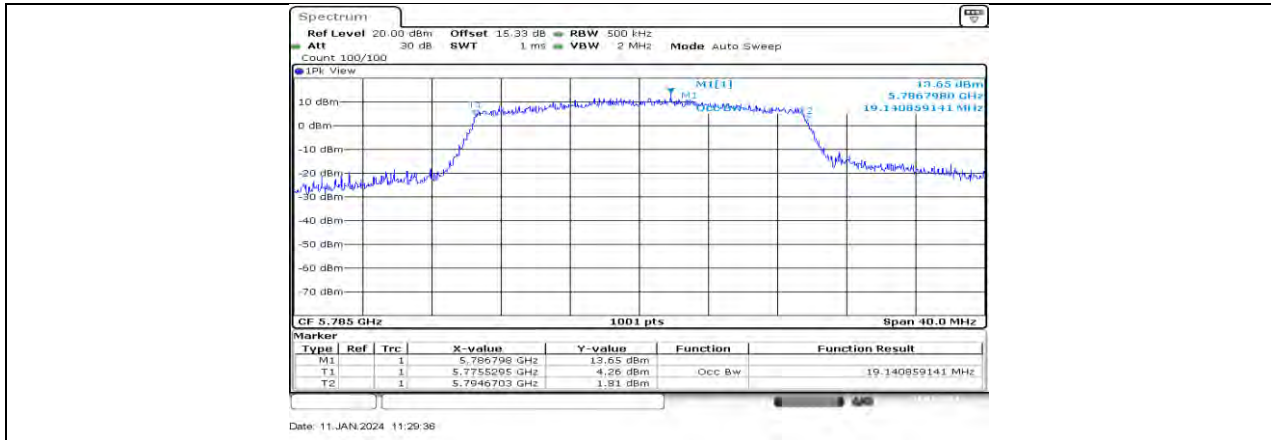
11AX20MIMO Ant2\_5200

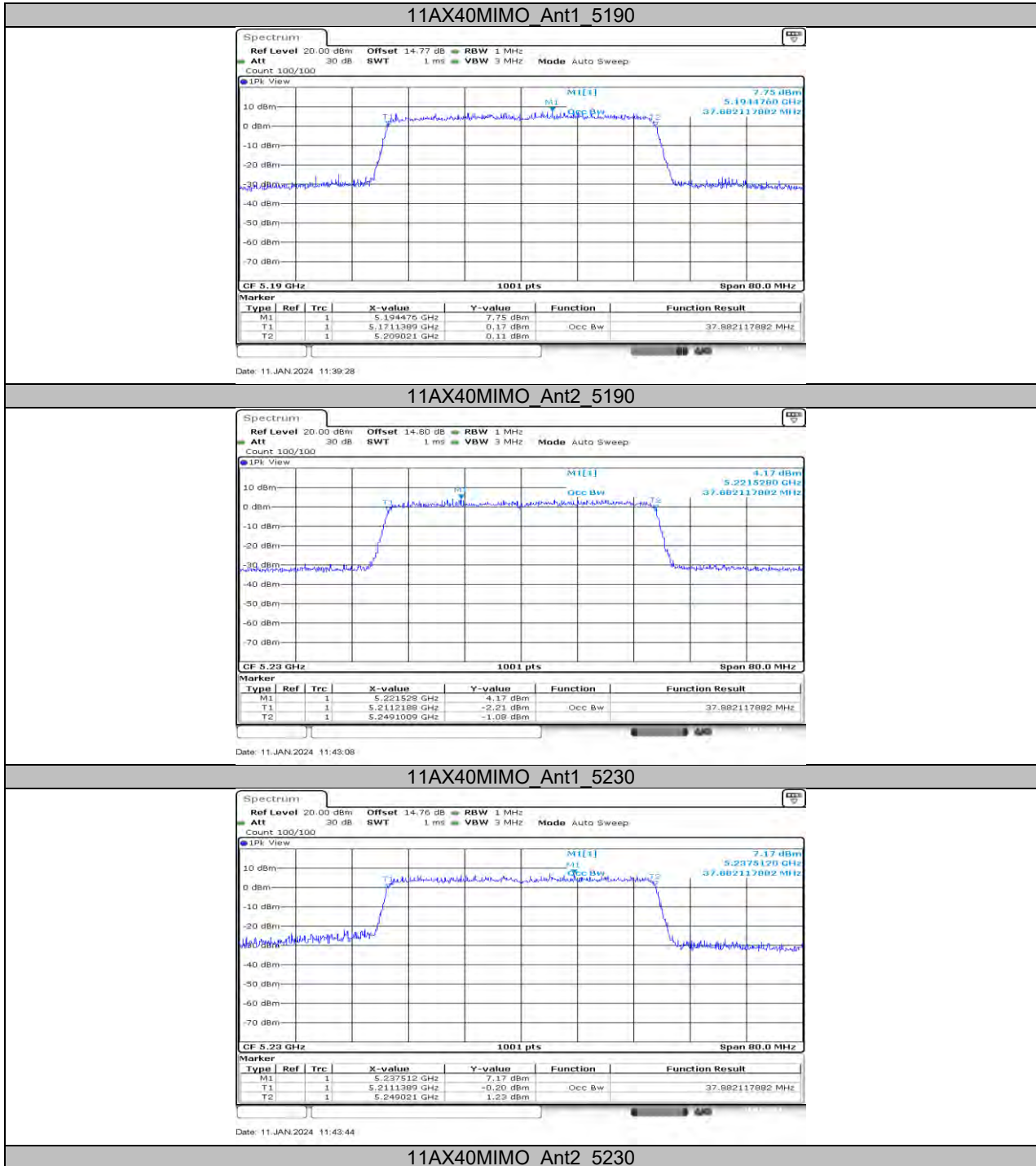


11AX20MIMO Ant1\_5240

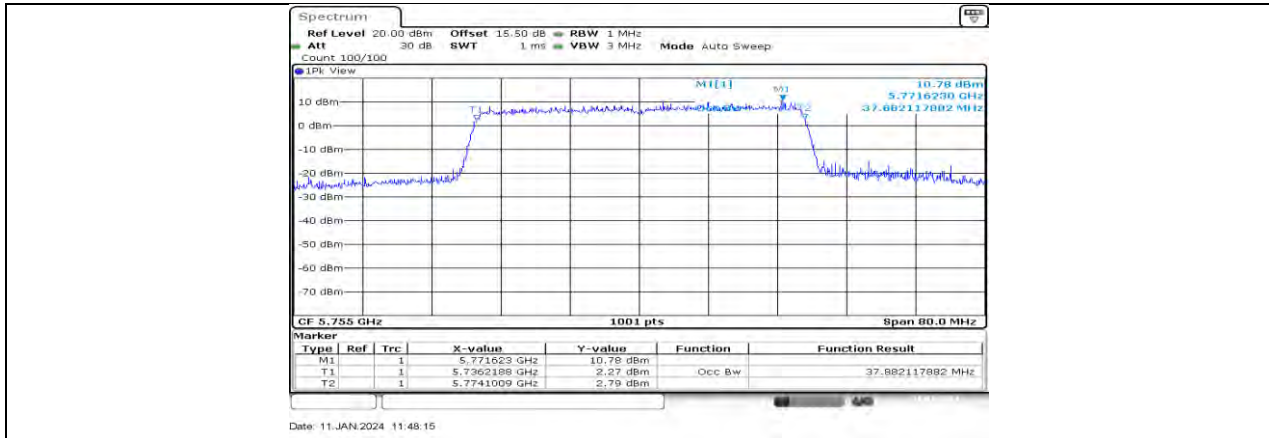






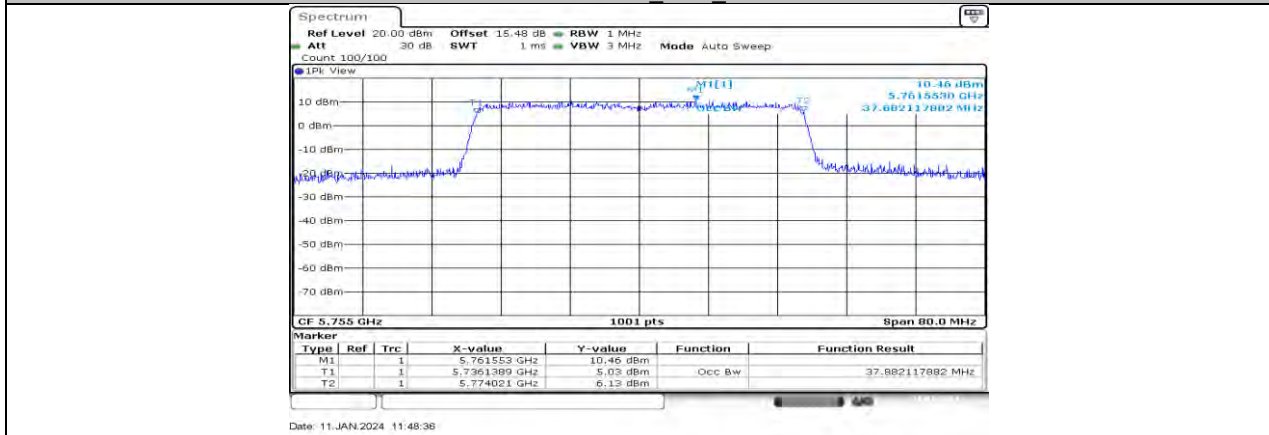






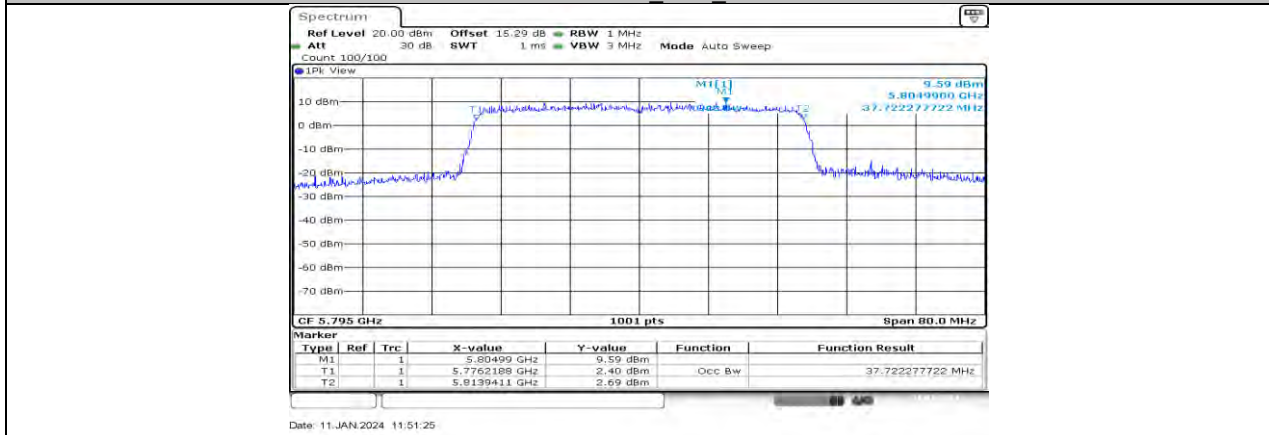
Date: 11.JAN.2024 11:48:15

## 11AX40MIMO Ant1\_5755



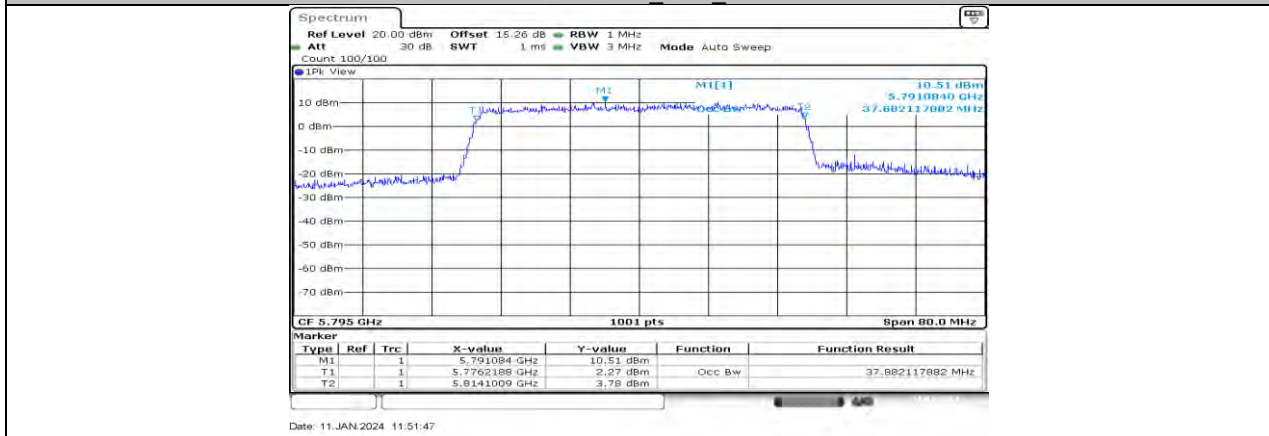
Date: 11.JAN.2024 11:48:38

## 11AX40MIMO Ant2\_5755



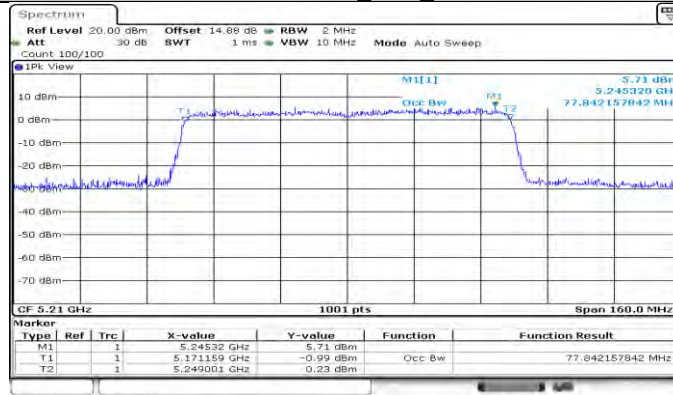
Date: 11.JAN.2024 11:51:25

## 11AX40MIMO Ant1\_5795



Date: 11.JAN.2024 11:51:47

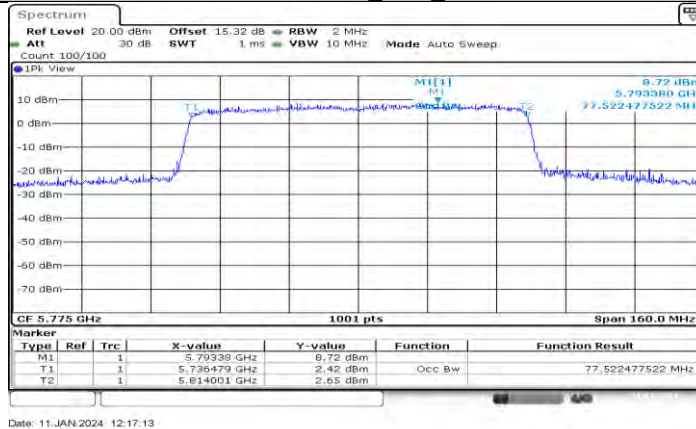
## 11AX40MIMO\_Ant2\_5795



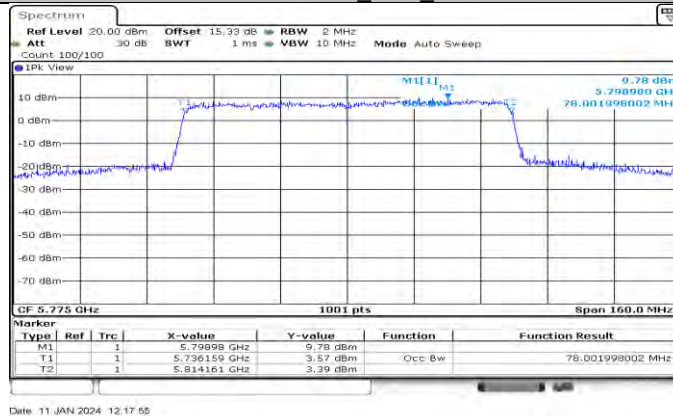
## 11AX80MIMO Ant1\_5210



## 11AX80MIMO\_Ant2\_5210



## 11AX80MIMO\_Ant1\_5775



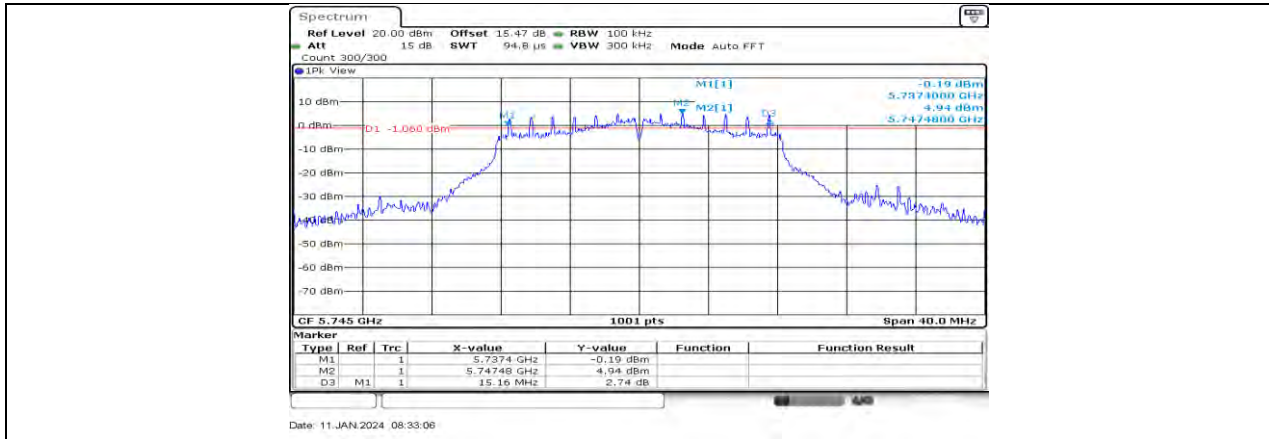
## 11AX80MIMO\_Ant2\_5775

### 11.3. APPENDIX C: MIN EMISSION BANDWIDTH

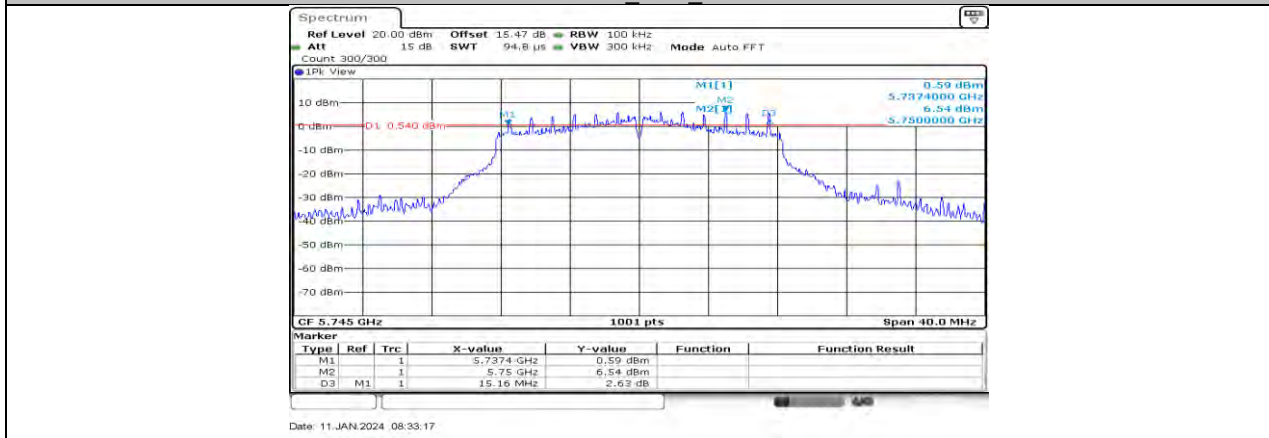
#### 11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	15.16	5737.40	5752.56	≥0.5	PASS
	Ant2	5745	15.16	5737.40	5752.56	≥0.5	PASS
	Ant1	5785	15.16	5777.40	5792.56	≥0.5	PASS
	Ant2	5785	15.16	5777.40	5792.56	≥0.5	PASS
	Ant1	5825	15.16	5817.40	5832.56	≥0.5	PASS
	Ant2	5825	15.16	5817.40	5832.56	≥0.5	PASS
11N20MIMO	Ant1	5745	15.08	5737.52	5752.60	≥0.5	PASS
	Ant2	5745	15.12	5737.36	5752.48	≥0.5	PASS
	Ant1	5785	15.16	5777.40	5792.56	≥0.5	PASS
	Ant2	5785	15.12	5777.44	5792.56	≥0.5	PASS
	Ant1	5825	15.16	5817.40	5832.56	≥0.5	PASS
	Ant2	5825	15.16	5817.36	5832.52	≥0.5	PASS
11N40MIMO	Ant1	5755	35.20	5737.40	5772.60	≥0.5	PASS
	Ant2	5755	35.20	5737.40	5772.60	≥0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	≥0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	≥0.5	PASS
11AC80MIMO	Ant1	5775	66.40	5746.20	5812.60	≥0.5	PASS
	Ant2	5775	47.04	5765.56	5812.60	≥0.5	PASS
11AX20MIMO	Ant1	5745	16.96	5736.80	5753.76	≥0.5	PASS
	Ant2	5745	18.88	5735.56	5754.44	≥0.5	PASS
	Ant1	5785	18.84	5775.56	5794.40	≥0.5	PASS
	Ant2	5785	17.40	5776.92	5794.32	≥0.5	PASS
	Ant1	5825	17.04	5816.24	5833.28	≥0.5	PASS
	Ant2	5825	18.12	5815.84	5833.96	≥0.5	PASS
11AX40MIMO	Ant1	5755	37.68	5736.20	5773.88	≥0.5	PASS
	Ant2	5755	37.60	5736.20	5773.80	≥0.5	PASS
	Ant1	5795	37.44	5776.20	5813.64	≥0.5	PASS
	Ant2	5795	36.56	5777.24	5813.80	≥0.5	PASS
11AX80MIMO	Ant1	5775	76.32	5737.40	5813.72	≥0.5	PASS
	Ant2	5775	76.32	5737.40	5813.72	≥0.5	PASS

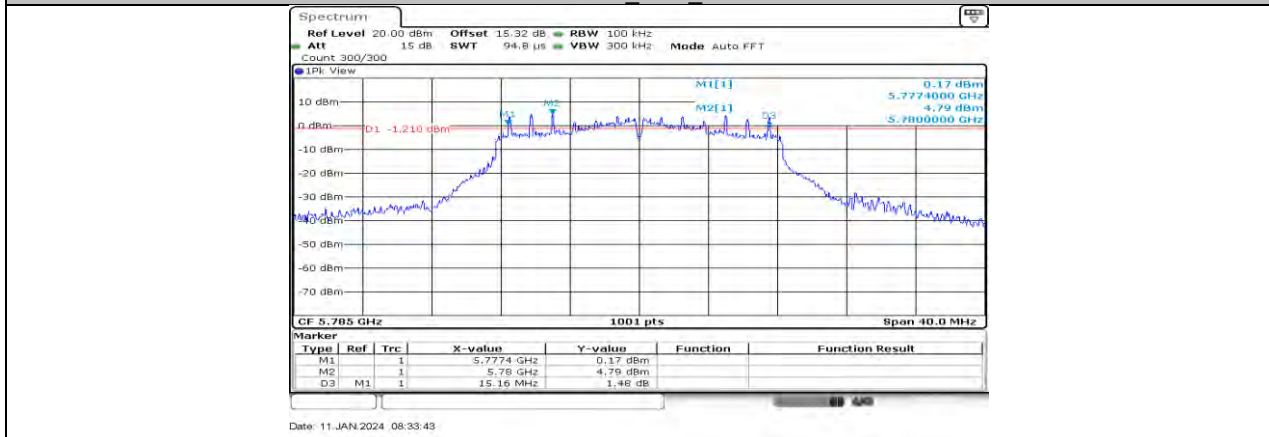
### 11.3.2. Test Graphs



11A-CDD Ant1 5745

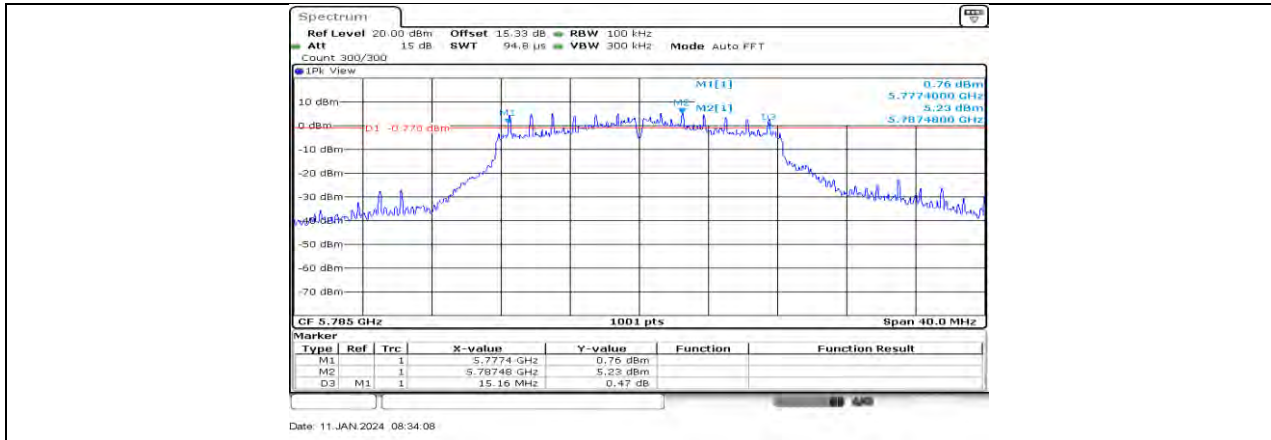


11A-CDD Ant2 5745

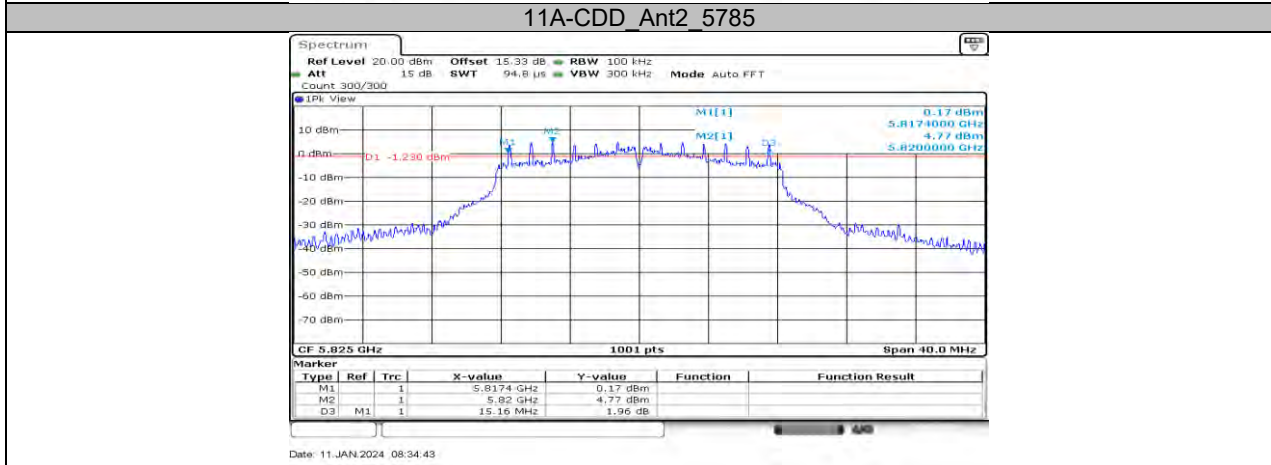


11A-CDD Ant1 5785

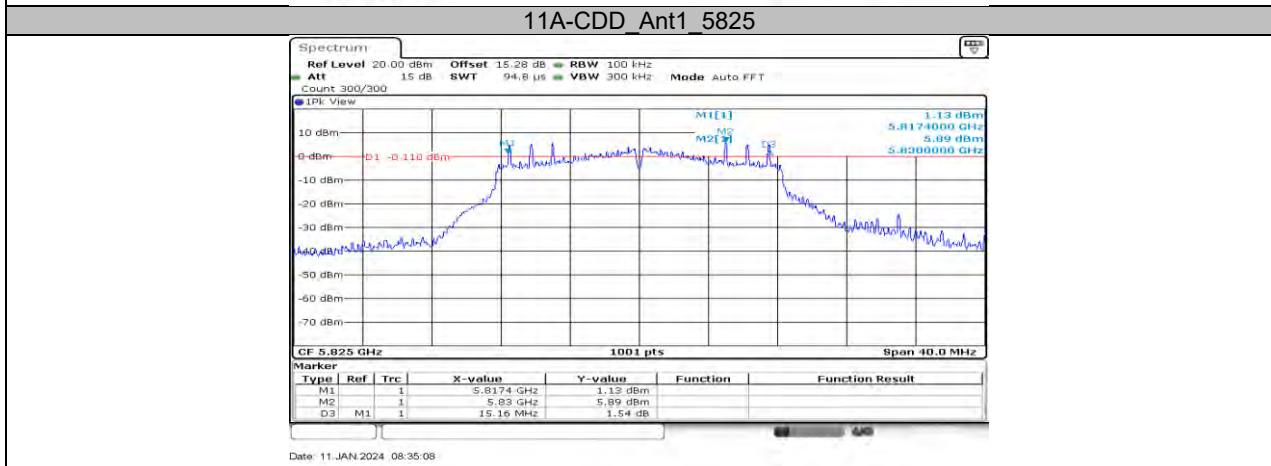




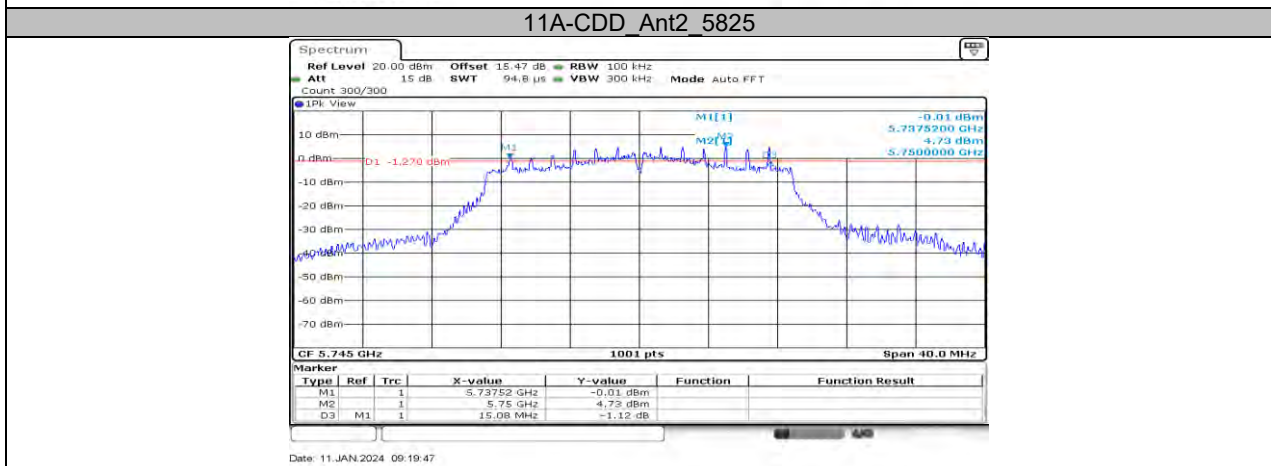
Date: 11.JAN.2024 08:34:08



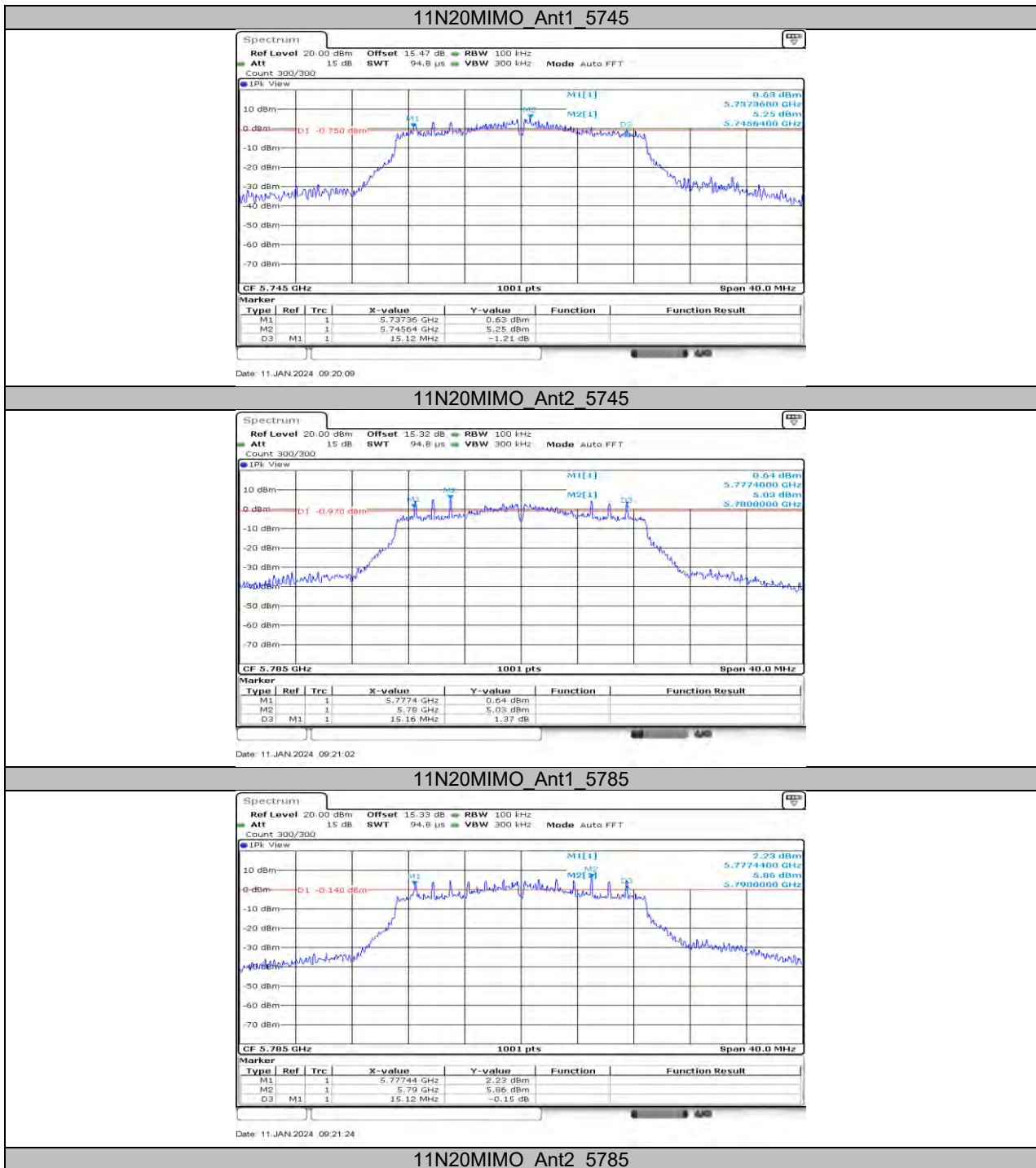
Date: 11.JAN.2024 08:34:43

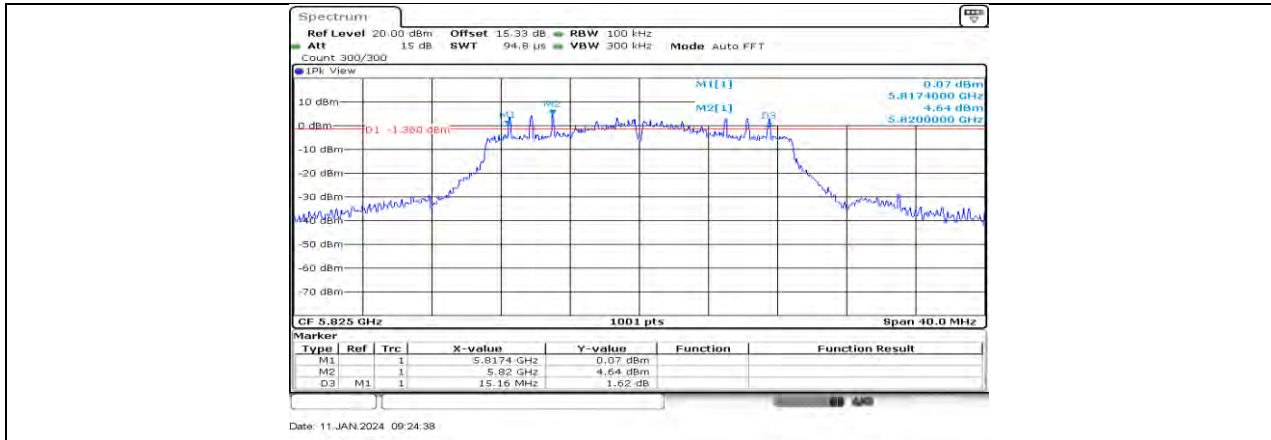


Date: 11.JAN.2024 08:35:08

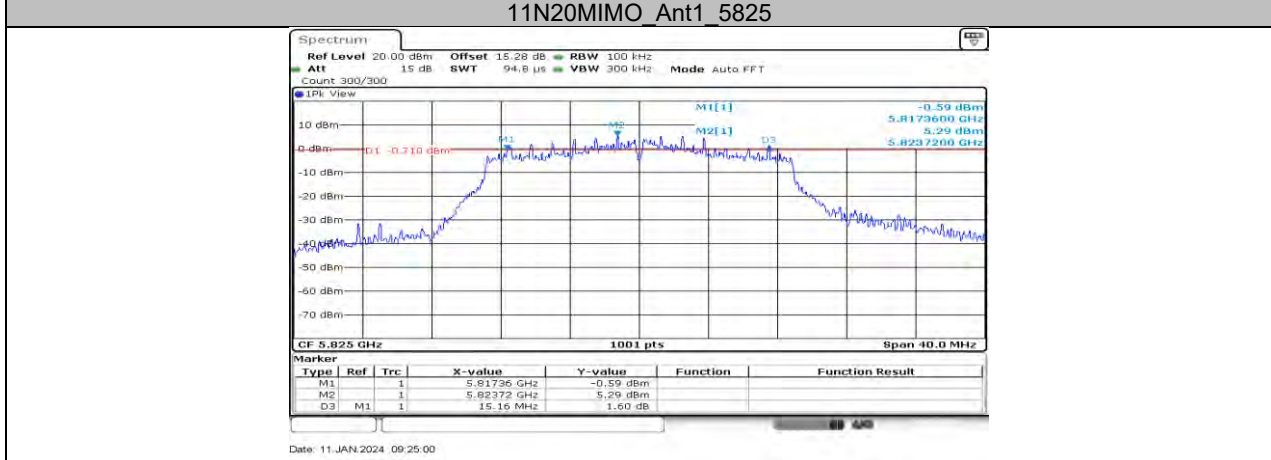


Date: 11.JAN.2024 09:19:47

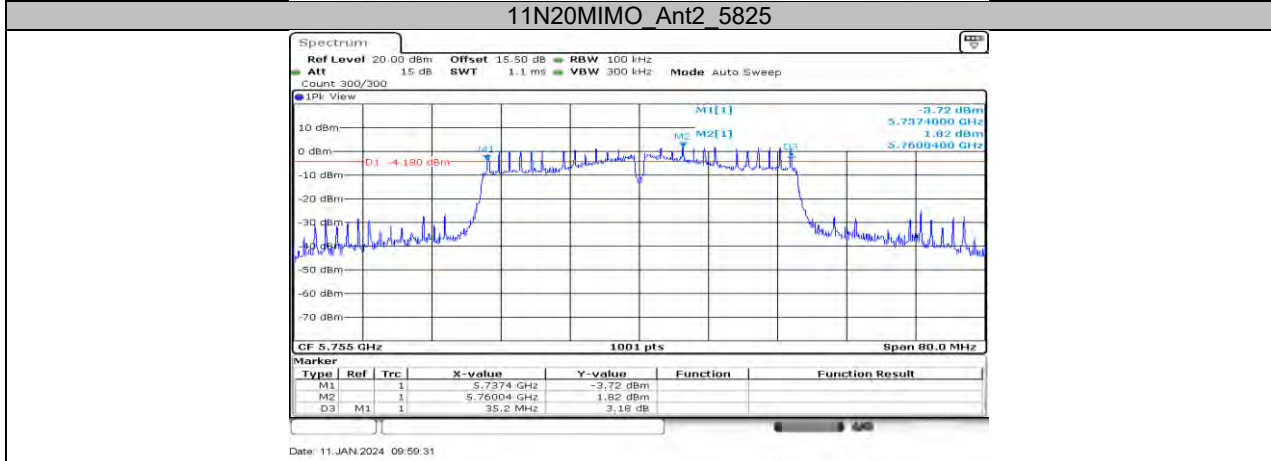




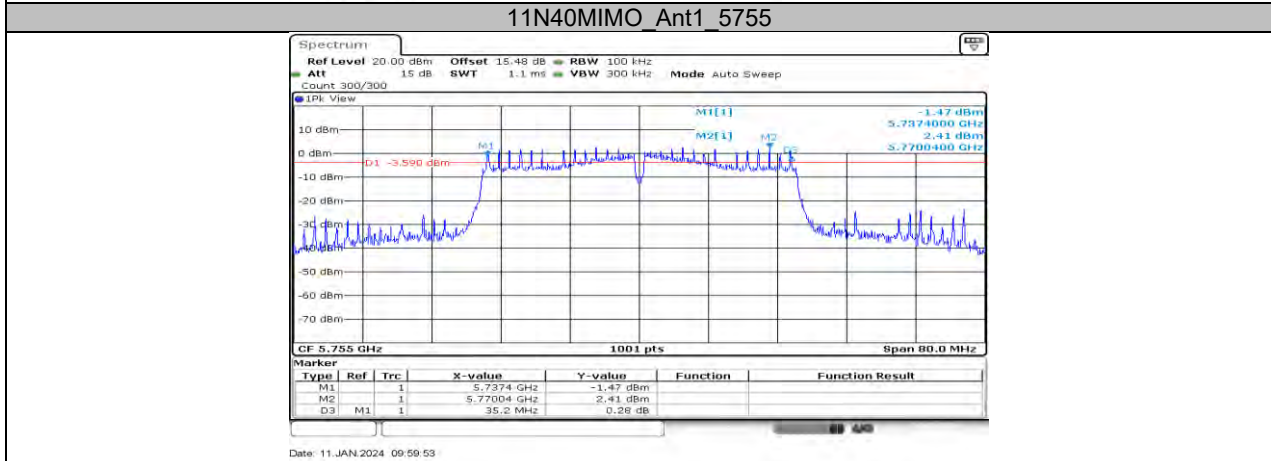
Date: 11.JAN.2024 09:24:38



Date: 11.JAN.2024 09:25:00

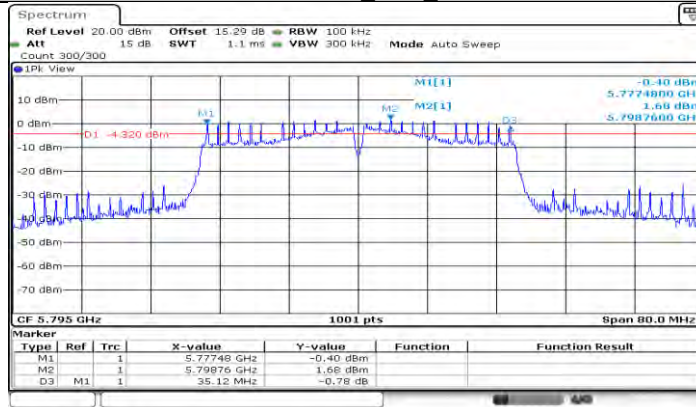


Date: 11.JAN.2024 09:59:31

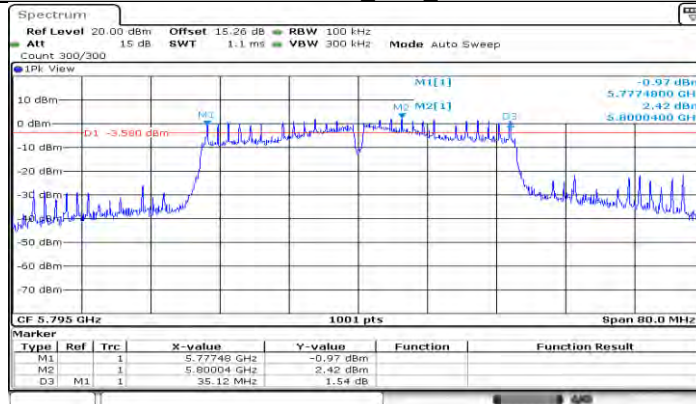


Date: 11.JAN.2024 09:59:53

## 11N40MIMO\_Ant2\_5755



## 11N40MIMO\_Ant1\_5795

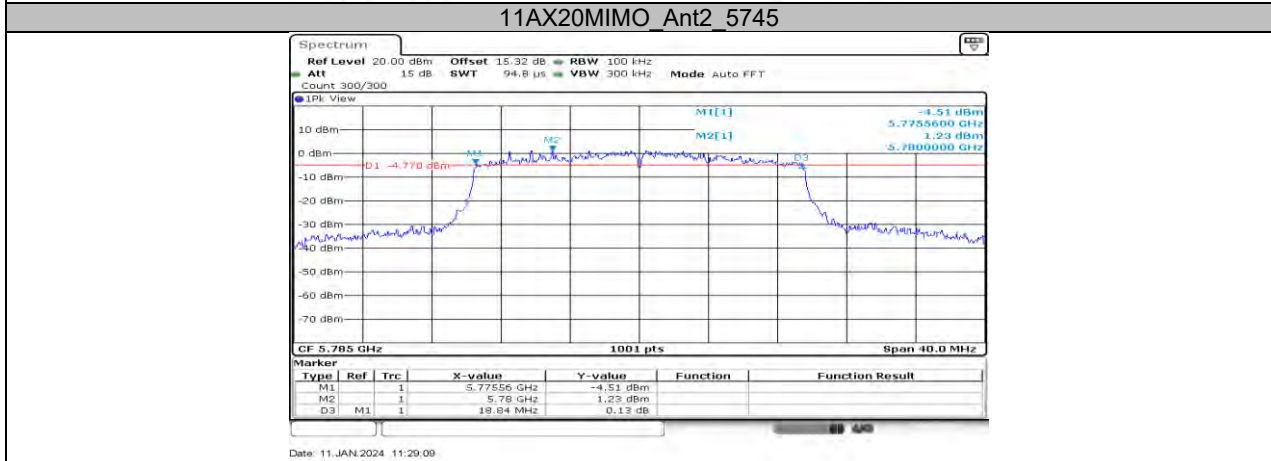
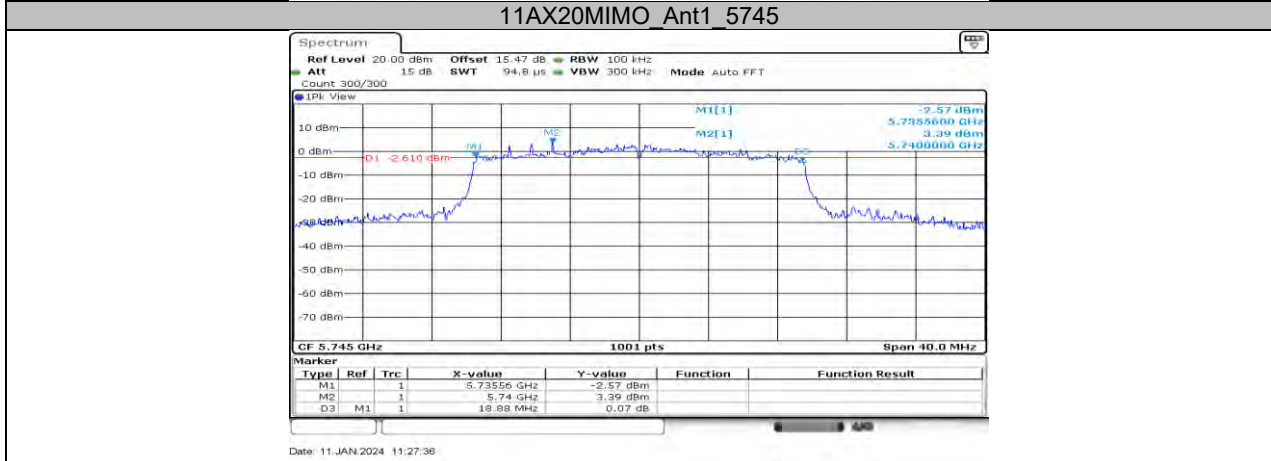
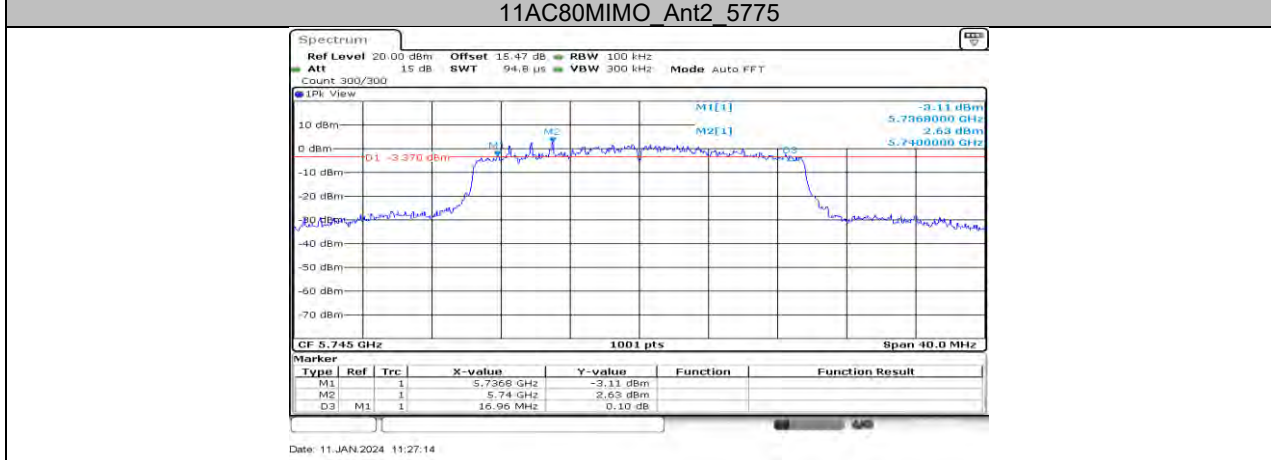
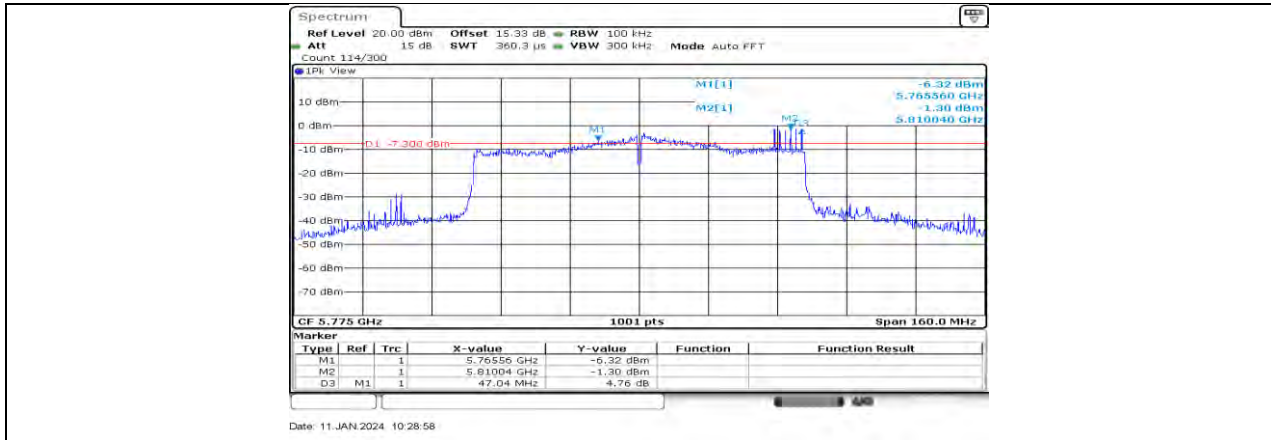


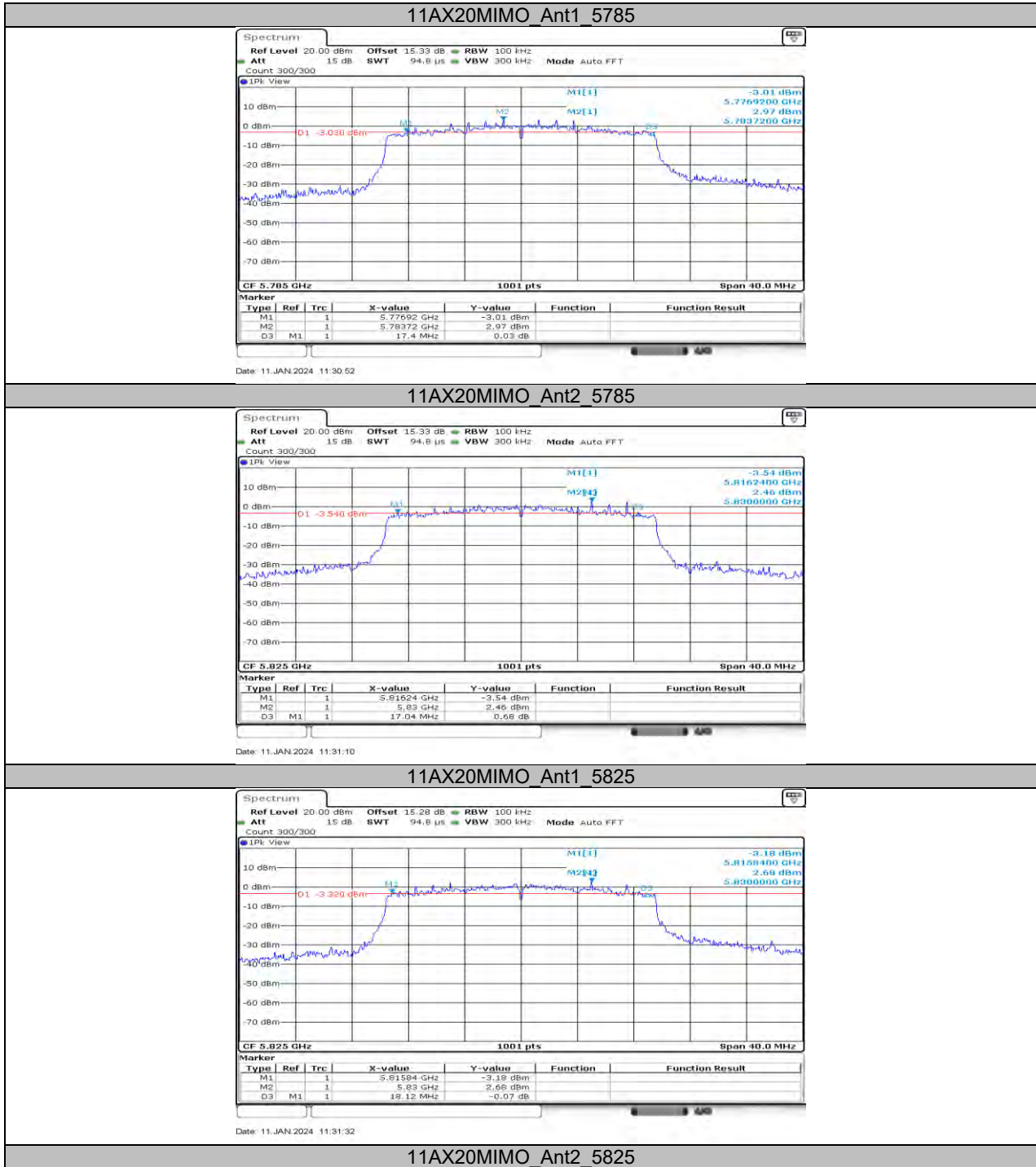
## 11N40MIMO\_Ant2\_5795

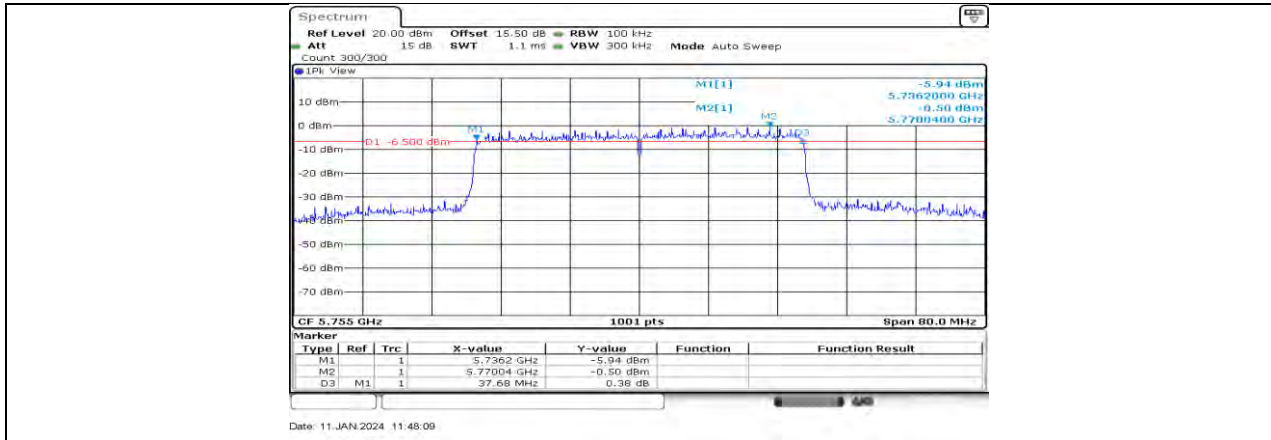


## 11AC80MIMO\_Ant1\_5775

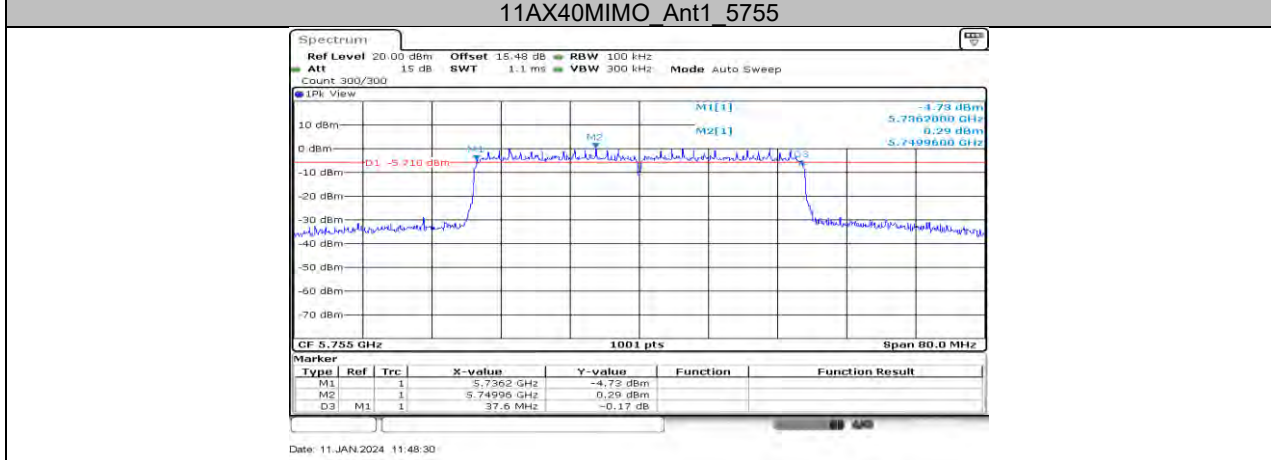




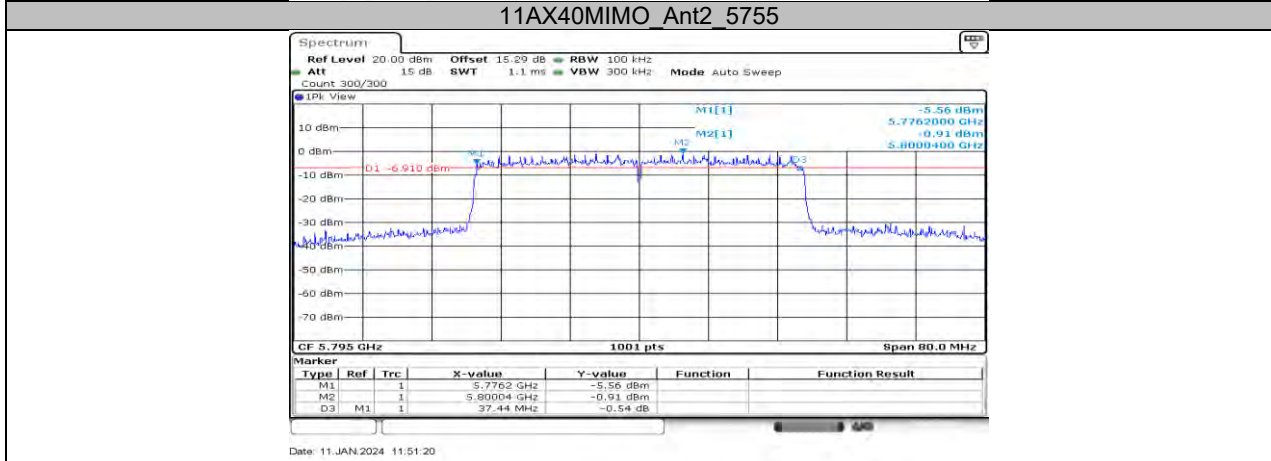




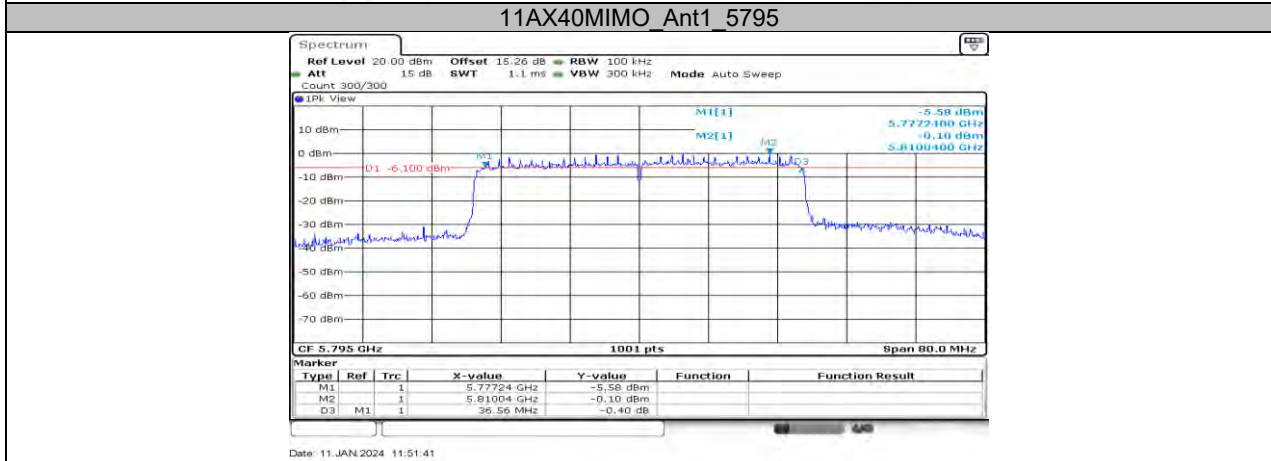
Date: 11.JAN.2024 11:48:09



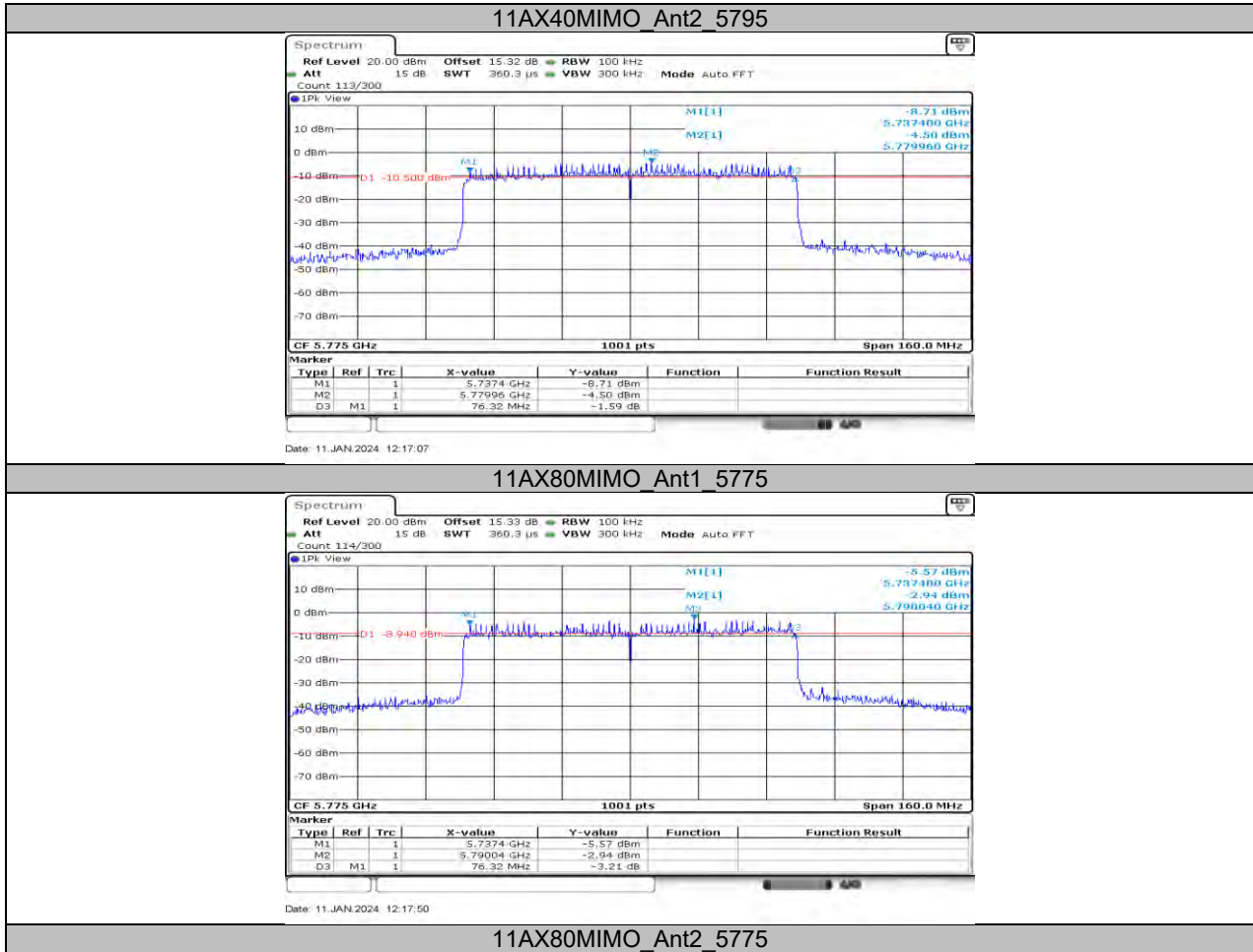
Date: 11.JAN.2024 11:48:30



Date: 11.JAN.2024 11:51:20



Date: 11.JAN.2024 11:51:41





## 11.4. APPENDIX D: MAXIMUM AVERAGE CONDUCTED OUTPUT POWER

### 11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant1	5180	8.24	≤23.98	---	11.03	≤22.36	PASS
	Ant2	5180	9.15	≤23.98	---	11.94	≤22.28	PASS
	total	5180	11.73	≤23.98	---	14.52	≤22.28	PASS
	Ant1	5200	7.21	≤23.98	---	10.00	≤22.38	PASS
	Ant2	5200	9.84	≤23.98	---	12.63	≤22.29	PASS
	total	5200	11.73	≤23.98	---	14.52	≤22.29	PASS
	Ant1	5240	7.91	≤23.98	---	10.70	≤22.37	PASS
	Ant2	5240	9.21	≤23.98	---	12.00	≤22.29	PASS
	total	5240	11.62	≤23.98	---	14.41	≤22.29	PASS
	Ant1	5745	16.24	≤30.00	≤30.00	19.03	---	PASS
	Ant2	5745	17.43	≤30.00	≤30.00	20.22	---	PASS
	total	5745	19.89	≤30.00	≤30.00	22.68	---	PASS
	Ant1	5785	16.41	≤30.00	≤30.00	19.20	---	PASS
	Ant2	5785	16.59	≤30.00	≤30.00	19.38	---	PASS
	total	5785	19.51	≤30.00	≤30.00	22.30	---	PASS
11N20MIMO	Ant1	5825	16.06	≤30.00	≤30.00	18.85	---	PASS
	Ant2	5825	16.90	≤30.00	≤30.00	19.69	---	PASS
	total	5825	19.51	≤30.00	≤30.00	22.30	---	PASS
	Ant1	5180	8.16	≤23.98	---	10.95	≤22.61	PASS
	Ant2	5180	9.04	≤23.98	---	11.83	≤22.52	PASS
	total	5180	11.63	≤23.98	---	14.42	≤22.52	PASS
	Ant1	5200	7.00	≤23.98	---	9.79	≤22.64	PASS
	Ant2	5200	9.43	≤23.98	---	12.22	≤22.63	PASS
	total	5200	11.39	≤23.98	---	14.18	≤22.63	PASS
	Ant1	5240	7.61	≤23.98	---	10.40	≤22.63	PASS
	Ant2	5240	9.26	≤23.98	---	12.05	≤22.53	PASS
	total	5240	11.52	≤23.98	---	14.31	≤22.53	PASS
	Ant1	5745	16.06	≤30.00	≤30.00	18.85	---	PASS
	Ant2	5745	17.33	≤30.00	≤30.00	20.12	---	PASS
	total	5745	19.75	≤30.00	≤30.00	22.54	---	PASS
Ant1	5785	16.19	≤30.00	≤30.00	18.98	---	PASS	
Ant2	5785	16.57	≤30.00	≤30.00	19.36	---	PASS	
total	5785	19.39	≤30.00	≤30.00	22.18	---	PASS	
Ant1	5825	15.93	≤30.00	≤30.00	18.72	---	PASS	
Ant2	5825	16.70	≤30.00	≤30.00	19.49	---	PASS	
total	5825	19.34	≤30.00	≤30.00	22.13	---	PASS	
11N40MIMO	Ant1	5190	10.54	≤23.98	---	13.33	≤23.00	PASS
	Ant2	5190	12.18	≤23.98	---	14.97	≤23.00	PASS
	total	5190	14.45	≤23.98	---	17.24	≤23.00	PASS
	Ant1	5230	10.80	≤23.98	---	13.59	≤23.00	PASS
	Ant2	5230	12.69	≤23.98	---	15.48	≤23.00	PASS
	total	5230	14.86	≤23.98	---	17.65	≤23.00	PASS
	Ant1	5755	16.34	≤30.00	≤30.00	19.13	---	PASS
	Ant2	5755	17.53	≤30.00	≤30.00	20.32	---	PASS
	total	5755	19.99	≤30.00	≤30.00	22.78	---	PASS
	Ant1	5795	16.20	≤30.00	≤30.00	18.99	---	PASS
	Ant2	5795	16.85	≤30.00	≤30.00	19.64	---	PASS
	total	5795	19.55	≤30.00	≤30.00	22.34	---	PASS
11AC80MIMO	Ant1	5210	13.46	≤23.98	---	16.25	≤23.00	PASS
	Ant2	5210	15.82	≤23.98	---	18.61	≤23.00	PASS
	total	5210	17.81	≤23.98	---	20.60	≤23.00	PASS
	Ant1	5775	12.93	≤30.00	≤30.00	15.72	---	PASS
	Ant2	5775	13.29	≤30.00	≤30.00	16.08	---	PASS
	total	5775	16.12	≤30.00	≤30.00	18.91	---	PASS
11AX20MIMO	Ant1	5180	9.43	≤23.98	---	12.22	≤22.80	PASS
	Ant2	5180	10.38	≤23.98	---	13.17	≤22.80	PASS
	total	5180	12.94	≤23.98	---	15.73	≤22.80	PASS

	Ant1	5200	8.32	≤23.98	---	11.11	≤22.81	PASS
	Ant2	5200	10.94	≤23.98	---	13.73	≤22.81	PASS
	total	5200	12.83	≤23.98	---	15.62	≤22.81	PASS
	Ant1	5240	9.79	≤23.98	---	12.58	≤22.79	PASS
	Ant2	5240	11.22	≤23.98	---	14.01	≤22.80	PASS
	total	5240	13.57	≤23.98	---	16.36	≤22.79	PASS
	Ant1	5745	16.21	≤30.00	≤30.00	19.00	---	PASS
	Ant2	5745	17.70	≤30.00	≤30.00	20.49	---	PASS
	total	5745	20.03	≤30.00	≤30.00	22.82	---	PASS
	Ant1	5785	16.40	≤30.00	≤30.00	19.19	---	PASS
	Ant2	5785	16.77	≤30.00	≤30.00	19.56	---	PASS
	total	5785	19.60	≤30.00	≤30.00	22.39	---	PASS
	Ant1	5825	16.14	≤30.00	≤30.00	18.93	---	PASS
	Ant2	5825	17.00	≤30.00	≤30.00	19.79	---	PASS
	total	5825	19.60	≤30.00	≤30.00	22.39	---	PASS
11AX40MIMO	Ant1	5190	9.14	≤23.98	---	11.93	≤23.00	PASS
	Ant2	5190	11.00	≤23.98	---	13.79	≤23.00	PASS
	total	5190	13.18	≤23.98	---	15.97	≤23.00	PASS
	Ant1	5230	9.37	≤23.98	---	12.16	≤23.00	PASS
	Ant2	5230	11.37	≤23.98	---	14.16	≤23.00	PASS
	total	5230	13.49	≤23.98	---	16.28	≤23.00	PASS
	Ant1	5755	16.23	≤30.00	≤30.00	19.02	---	PASS
	Ant2	5755	17.38	≤30.00	≤30.00	20.17	---	PASS
	total	5755	19.85	≤30.00	≤30.00	22.64	---	PASS
	Ant1	5795	16.21	≤30.00	≤30.00	19.00	---	PASS
Ant2	5795	16.75	≤30.00	≤30.00	19.54	---	PASS	
total	5795	19.50	≤30.00	≤30.00	22.29	---	PASS	
11AX80MIMO	Ant1	5210	9.70	≤23.98	---	12.49	≤23.00	PASS
	Ant2	5210	10.89	≤23.98	---	13.68	≤23.00	PASS
	total	5210	13.35	≤23.98	---	16.14	≤23.00	PASS
	Ant1	5775	12.87	≤30.00	≤30.00	15.66	---	PASS
	Ant2	5775	13.88	≤30.00	≤30.00	16.67	---	PASS
	total	5775	16.41	≤30.00	≤30.00	19.20	---	PASS

Note: The Duty Cycle Factor is compensated in the graph.

## 11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

### 11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	-0.47	≤11.00	2.32	≤10.00	PASS
	Ant2	5180	0.46	≤11.00	3.25	≤10.00	PASS
	total	5180	3.03	≤11.00	8.83	≤10.00	PASS
	Ant1	5200	-1.24	≤11.00	1.55	≤10.00	PASS
	Ant2	5200	1.24	≤11.00	4.03	≤10.00	PASS
	total	5200	3.18	≤11.00	8.98	≤10.00	PASS
	Ant1	5240	-0.59	≤11.00	2.20	≤10.00	PASS
	Ant2	5240	0.35	≤11.00	3.14	≤10.00	PASS
	total	5240	2.92	≤11.00	8.72	≤10.00	PASS
	Ant1	5745	5.24	≤30.00	8.03	---	PASS
	Ant2	5745	6.30	≤30.00	9.09	---	PASS
	total	5745	8.81	≤30.00	14.61	---	PASS
	Ant1	5785	5.46	≤30.00	8.25	---	PASS
	Ant2	5785	5.80	≤30.00	8.59	---	PASS
	total	5785	8.64	≤30.00	14.44	---	PASS
Ant1	5825	5.07	≤30.00	7.86	---	PASS	
Ant2	5825	5.89	≤30.00	8.68	---	PASS	
total	5825	8.51	≤30.00	14.31	---	PASS	
11N20MIMO	Ant1	5180	-0.68	≤11.00	2.11	≤10.00	PASS
	Ant2	5180	0.07	≤11.00	2.86	≤10.00	PASS
	total	5180	2.72	≤11.00	8.52	≤10.00	PASS
	Ant1	5200	-1.87	≤11.00	0.92	≤10.00	PASS
	Ant2	5200	0.50	≤11.00	3.29	≤10.00	PASS
	total	5200	2.49	≤11.00	8.29	≤10.00	PASS
	Ant1	5240	-1.32	≤11.00	1.47	≤10.00	PASS
	Ant2	5240	0.38	≤11.00	3.17	≤10.00	PASS
	total	5240	2.62	≤11.00	8.42	≤10.00	PASS
	Ant1	5745	4.91	≤30.00	7.70	---	PASS
	Ant2	5745	5.86	≤30.00	8.65	---	PASS
	total	5745	8.42	≤30.00	14.22	---	PASS
	Ant1	5785	4.86	≤30.00	7.65	---	PASS
	Ant2	5785	5.33	≤30.00	8.12	---	PASS
	total	5785	8.11	≤30.00	13.91	---	PASS
Ant1	5825	4.82	≤30.00	7.61	---	PASS	
Ant2	5825	5.41	≤30.00	8.20	---	PASS	
total	5825	8.14	≤30.00	13.94	---	PASS	
11N40MIMO	Ant1	5190	-1.08	≤11.00	1.71	---	PASS
	Ant2	5190	0.79	≤11.00	3.58	---	PASS
	total	5190	2.97	≤11.00	8.77	---	PASS
	Ant1	5230	-0.85	≤11.00	1.94	---	PASS
	Ant2	5230	1.16	≤11.00	3.95	---	PASS
	total	5230	3.28	≤11.00	9.08	---	PASS
	Ant1	5755	2.38	≤30.00	5.17	---	PASS
	Ant2	5755	3.39	≤30.00	6.18	---	PASS
	total	5755	5.92	≤30.00	11.72	---	PASS
Ant1	5795	2.24	≤30.00	5.03	---	PASS	
Ant2	5795	3.11	≤30.00	5.90	---	PASS	
total	5795	5.71	≤30.00	11.51	---	PASS	
11AC80MIMO	Ant1	5210	-0.70	≤11.00	2.09	≤10.00	PASS
	Ant2	5210	1.73	≤11.00	4.52	≤10.00	PASS
	total	5210	3.69	≤11.00	9.49	≤10.00	PASS
	Ant1	5775	-3.67	≤30.00	-0.88	---	PASS
	Ant2	5775	-3.77	≤30.00	-0.98	---	PASS
	total	5775	-0.71	≤30.00	5.09	---	PASS
11AX20MIMO	Ant1	5180	-1.04	≤11.00	1.75	≤10.00	PASS
	Ant2	5180	-0.09	≤11.00	2.70	≤10.00	PASS
	total	5180	2.47	≤11.00	8.27	≤10.00	PASS
	Ant1	5200	-1.98	≤11.00	0.81	≤10.00	PASS

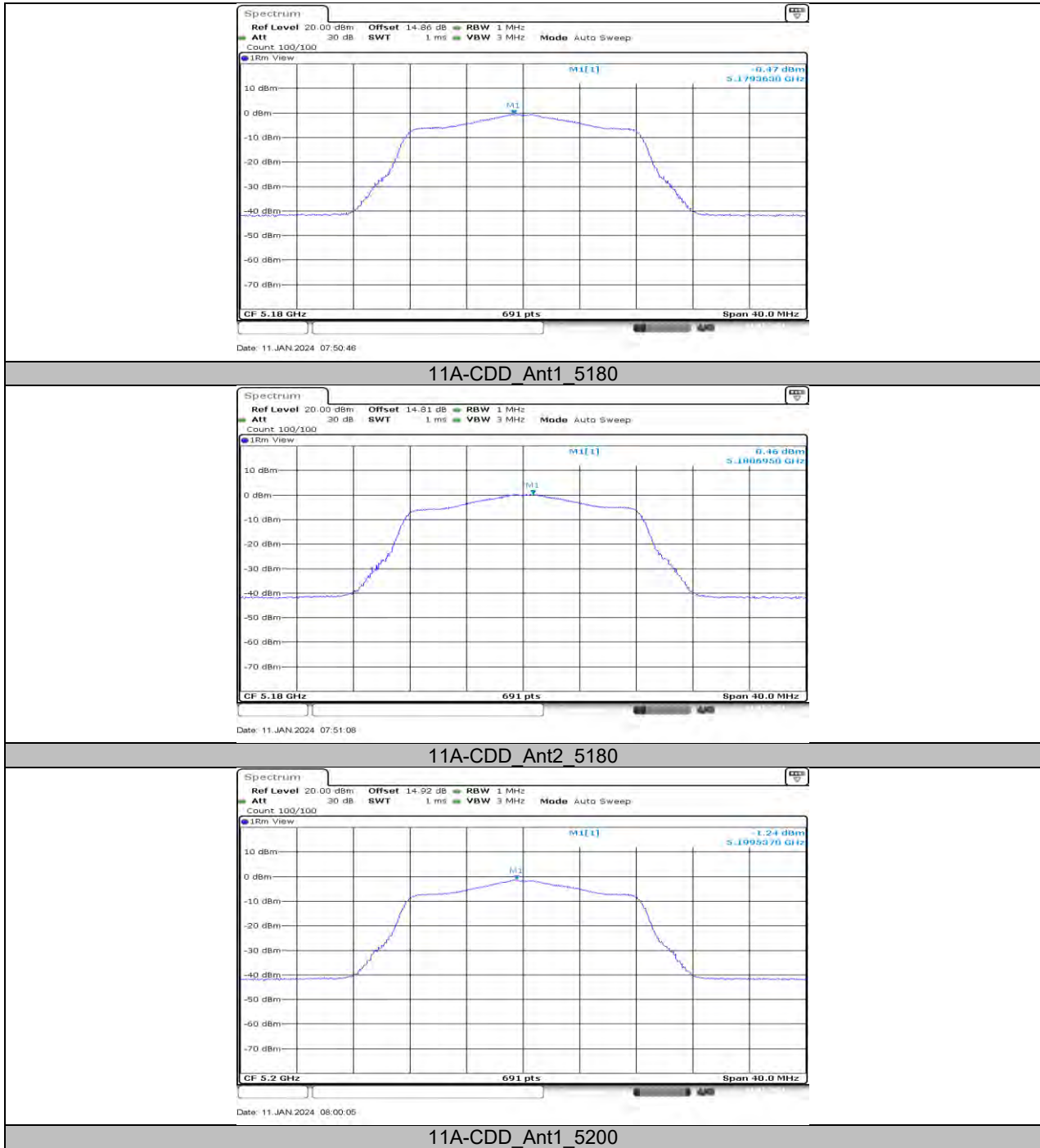
	Ant2	5200	0.81	≤11.00	3.60	≤10.00	PASS
	total	5200	2.65	≤11.00	8.45	≤10.00	PASS
	Ant1	5240	-0.68	≤11.00	2.11	≤10.00	PASS
	Ant2	5240	0.72	≤11.00	3.51	≤10.00	PASS
	total	5240	3.09	≤11.00	8.89	≤10.00	PASS
	Ant1	5745	3.01	≤30.00	5.80	---	PASS
	Ant2	5745	4.37	≤30.00	7.16	---	PASS
	total	5745	6.75	≤30.00	12.55	---	PASS
	Ant1	5785	3.53	≤30.00	6.32	---	PASS
	Ant2	5785	3.67	≤30.00	6.46	---	PASS
	total	5785	6.61	≤30.00	12.41	---	PASS
	Ant1	5825	2.96	≤30.00	5.75	---	PASS
	Ant2	5825	3.89	≤30.00	6.68	---	PASS
	total	5825	6.46	≤30.00	12.26	---	PASS
11AX40MIMO	Ant1	5190	-5.58	≤11.00	-2.79	≤10.00	PASS
	Ant2	5190	-3.74	≤11.00	-0.95	≤10.00	PASS
	total	5190	-1.55	≤11.00	4.25	≤10.00	PASS
	Ant1	5230	-5.20	≤11.00	-2.41	≤10.00	PASS
	Ant2	5230	-3.49	≤11.00	-0.70	≤10.00	PASS
	total	5230	-1.25	≤11.00	4.55	≤10.00	PASS
	Ant1	5755	-1.21	≤30.00	1.58	---	PASS
	Ant2	5755	-0.24	≤30.00	2.55	---	PASS
	total	5755	2.31	≤30.00	8.11	---	PASS
	Ant1	5795	-1.14	≤30.00	1.65	---	PASS
Ant2	5795	-0.60	≤30.00	2.19	---	PASS	
total	5795	2.15	≤30.00	7.95	---	PASS	
11AX80MIMO	Ant1	5210	-7.67	≤11.00	-4.88	≤10.00	PASS
	Ant2	5210	-6.71	≤11.00	-3.92	≤10.00	PASS
	total	5210	-4.15	≤11.00	1.65	≤10.00	PASS
	Ant1	5775	-7.11	≤30.00	-4.32	---	PASS
	Ant2	5775	-6.16	≤30.00	-3.37	---	PASS
total	5775	-3.60	≤30.00	2.20	---	PASS	

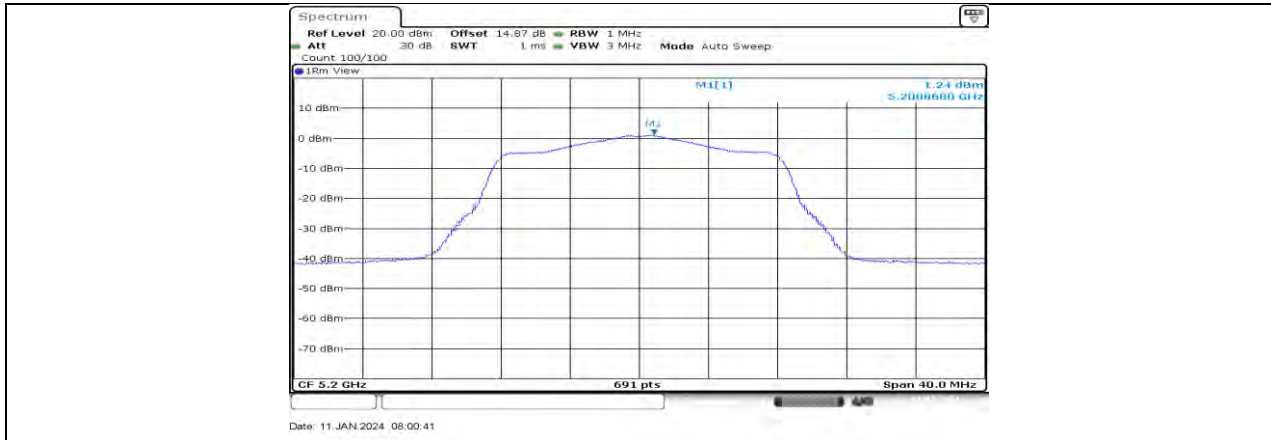
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

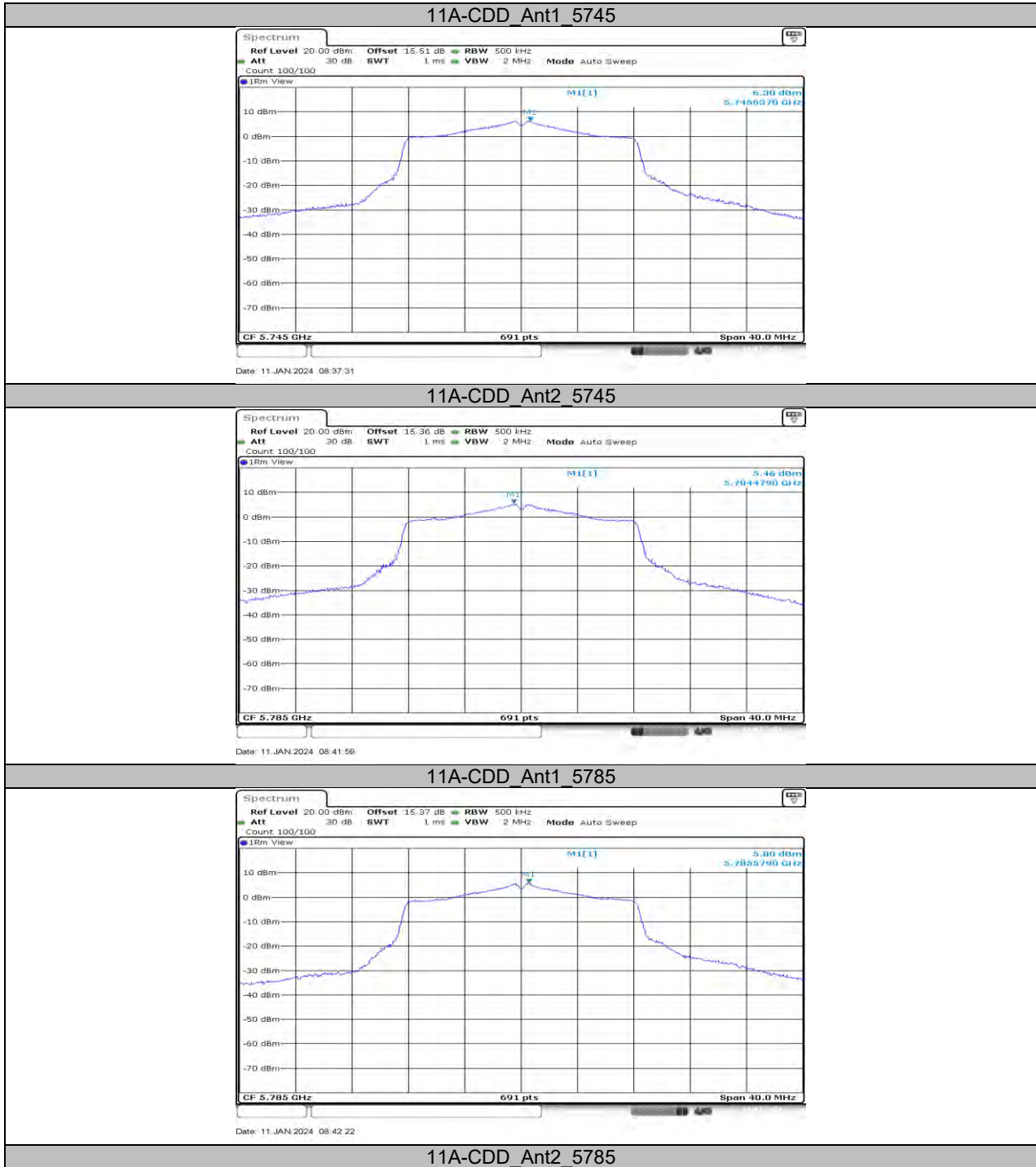
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



### 11.5.2. Test Graphs

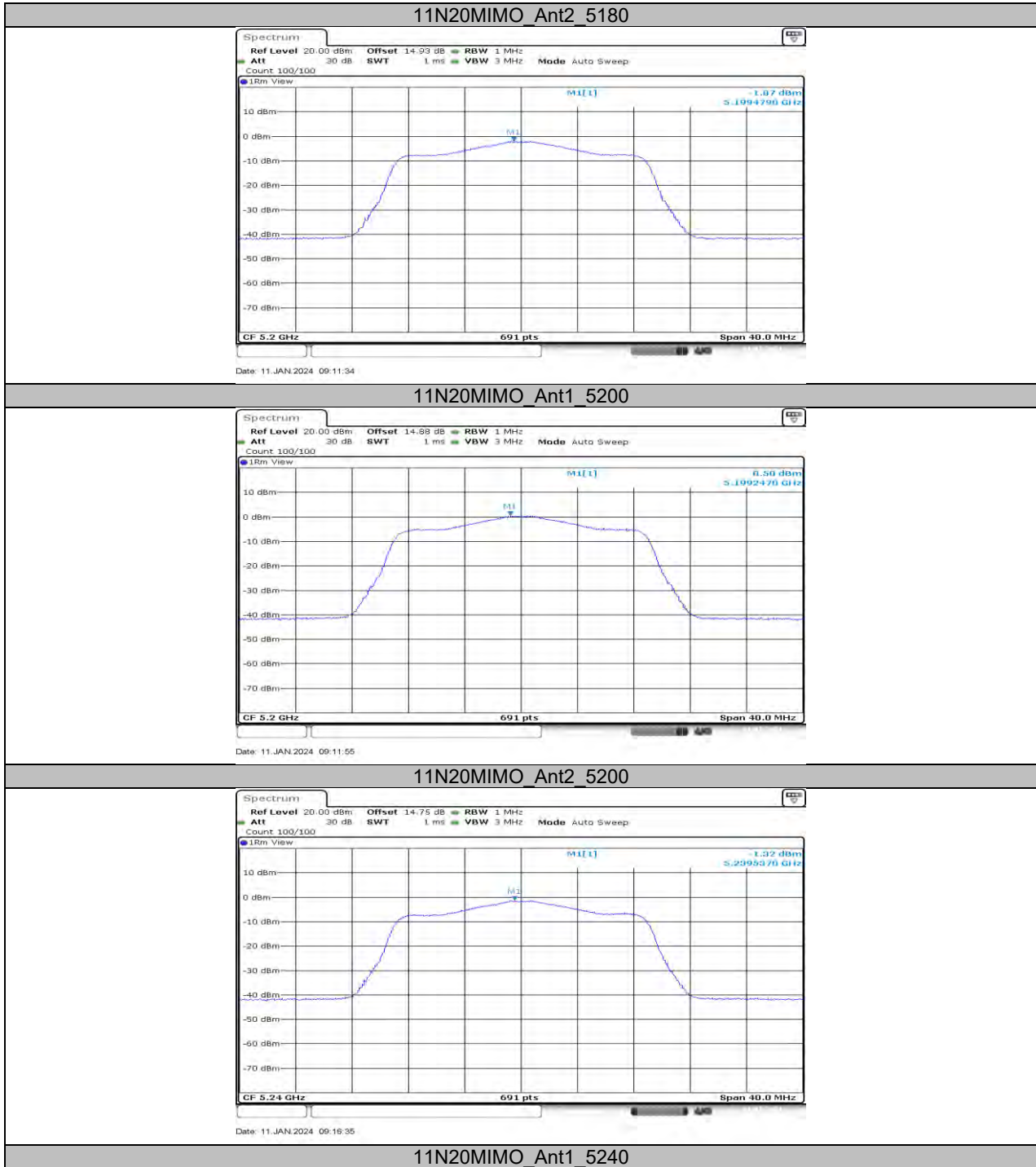


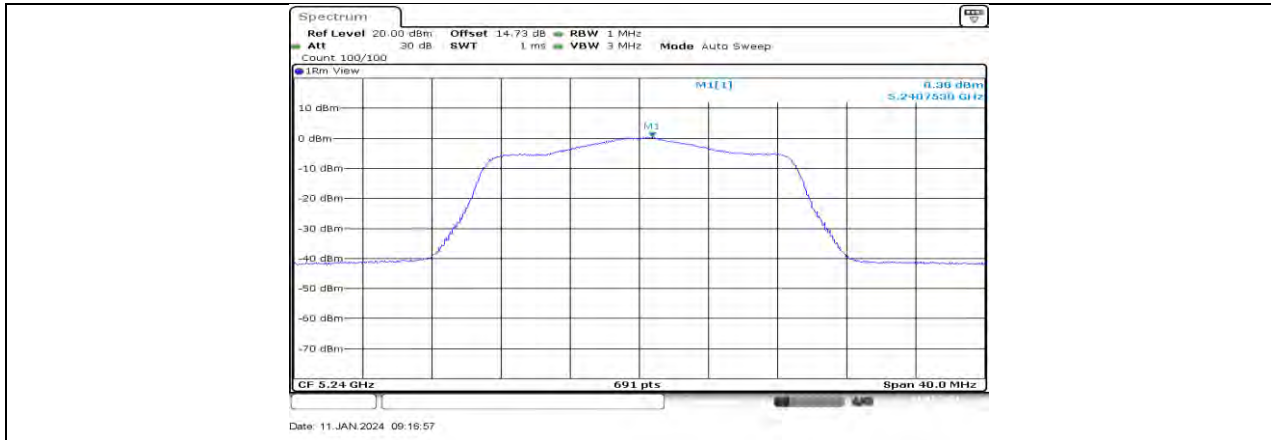












11N20MIMO Ant2 5240

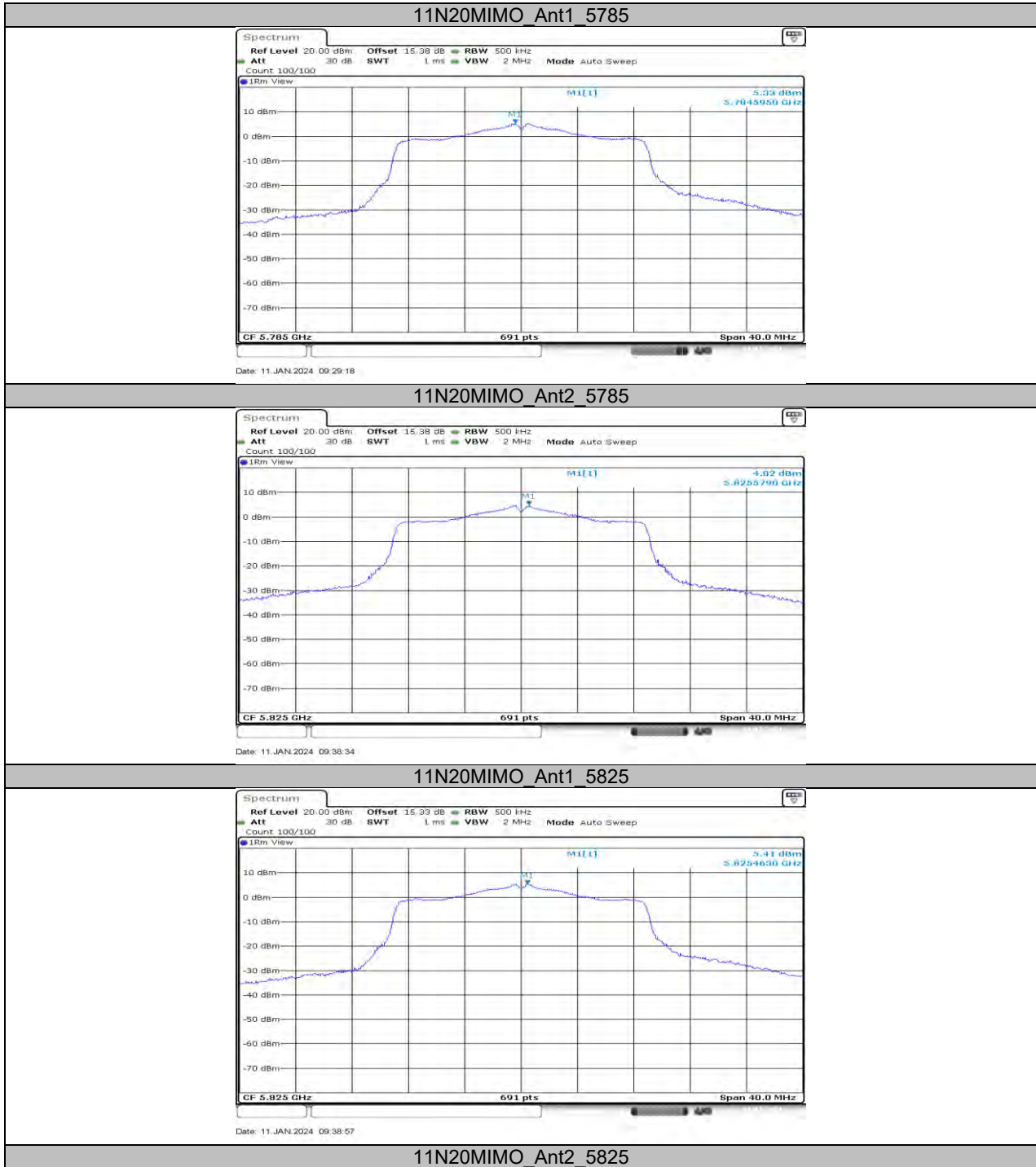


11N20MIMO Ant1 5745



11N20MIMO Ant2 5745



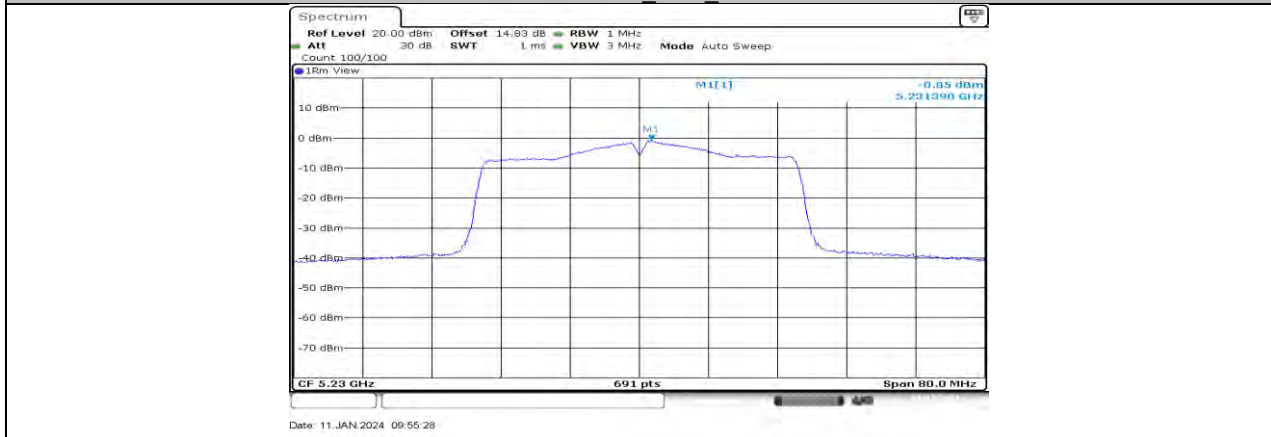




11N40MIMO Ant1 5190



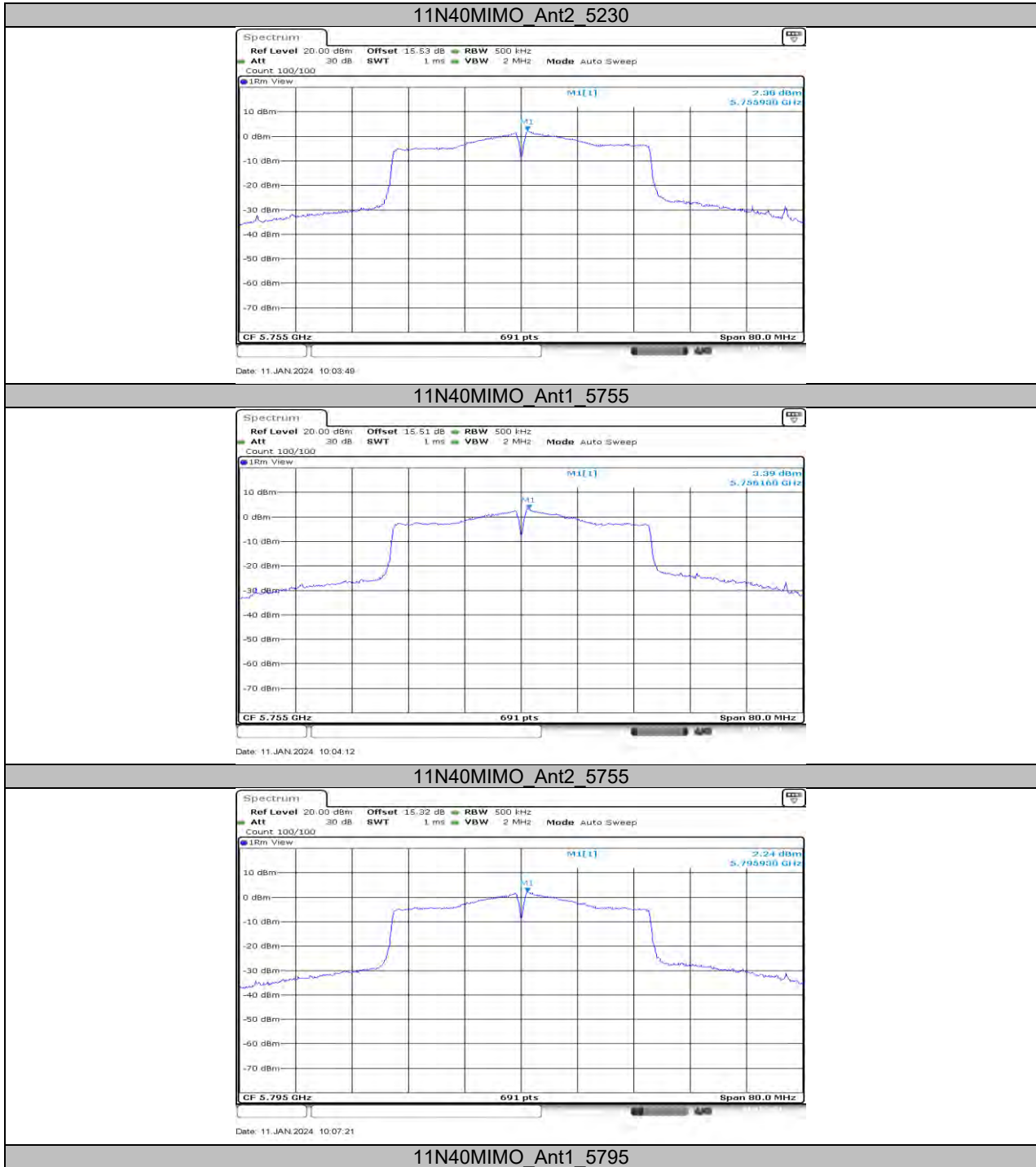
11N40MIMO Ant2 5190

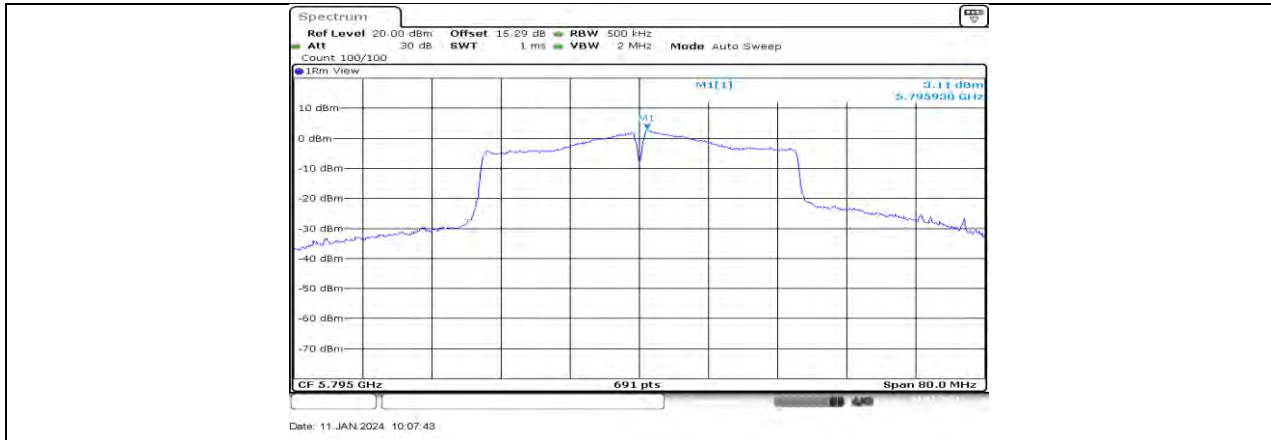


11N40MIMO Ant1 5230





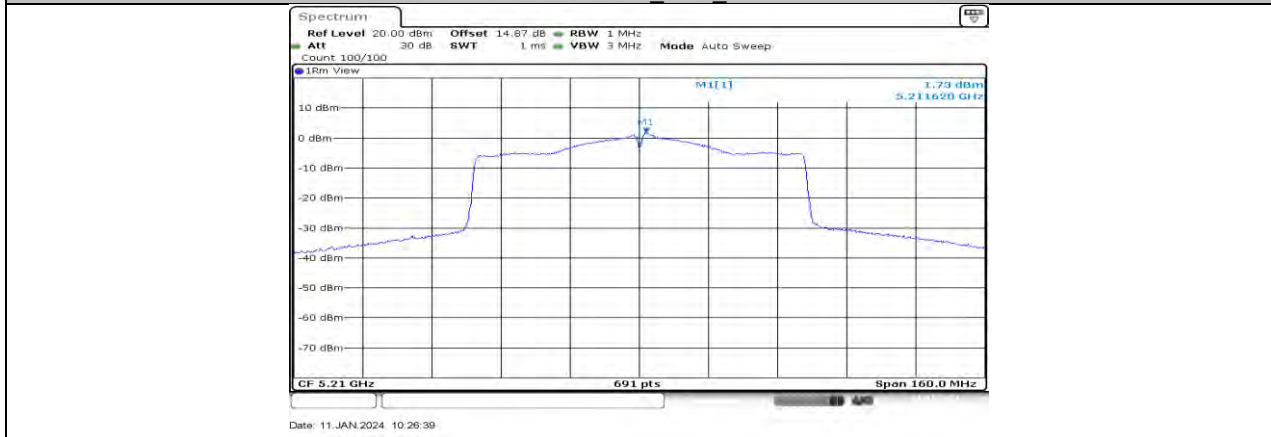




11N40MIMO Ant2\_5795

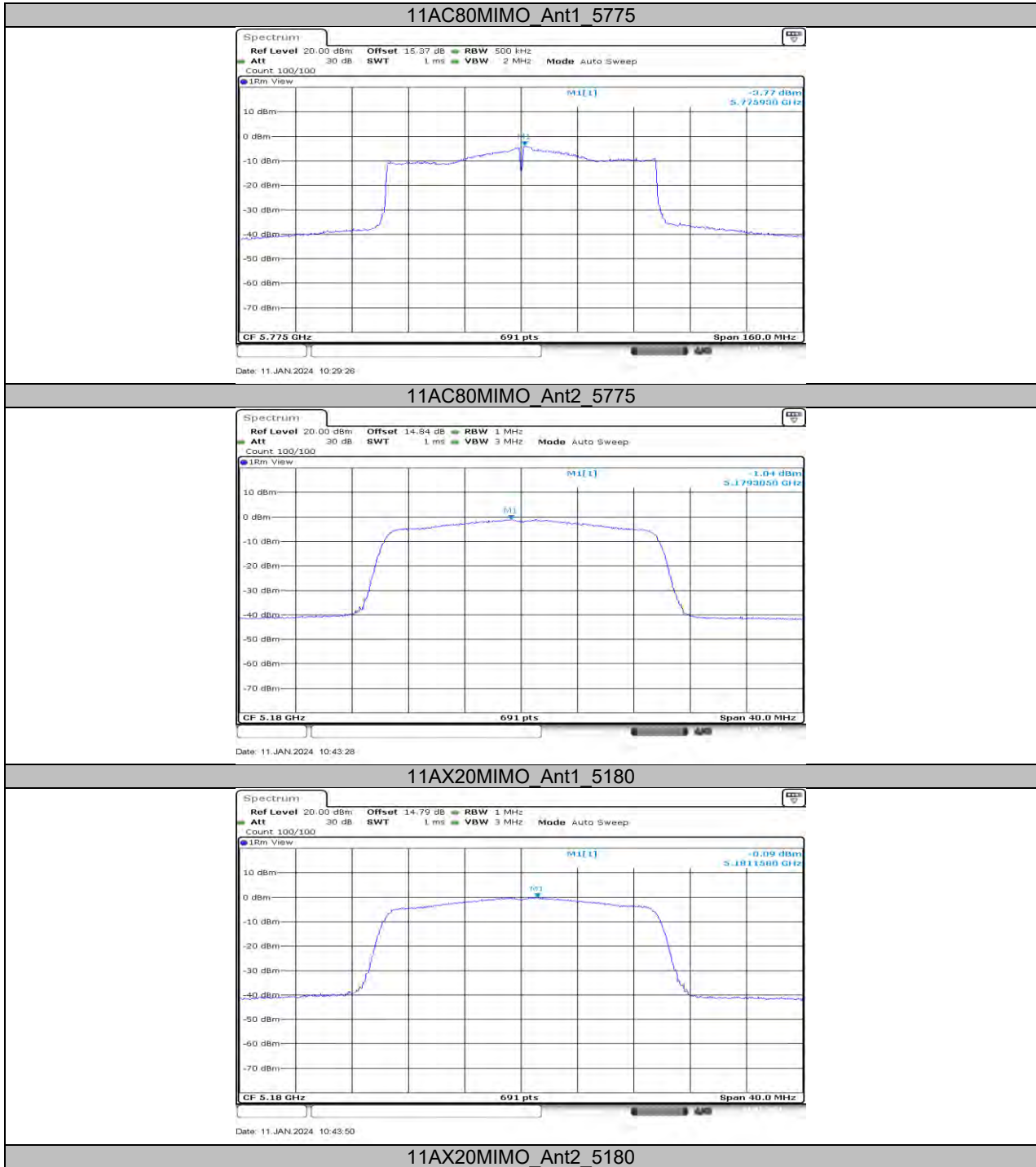


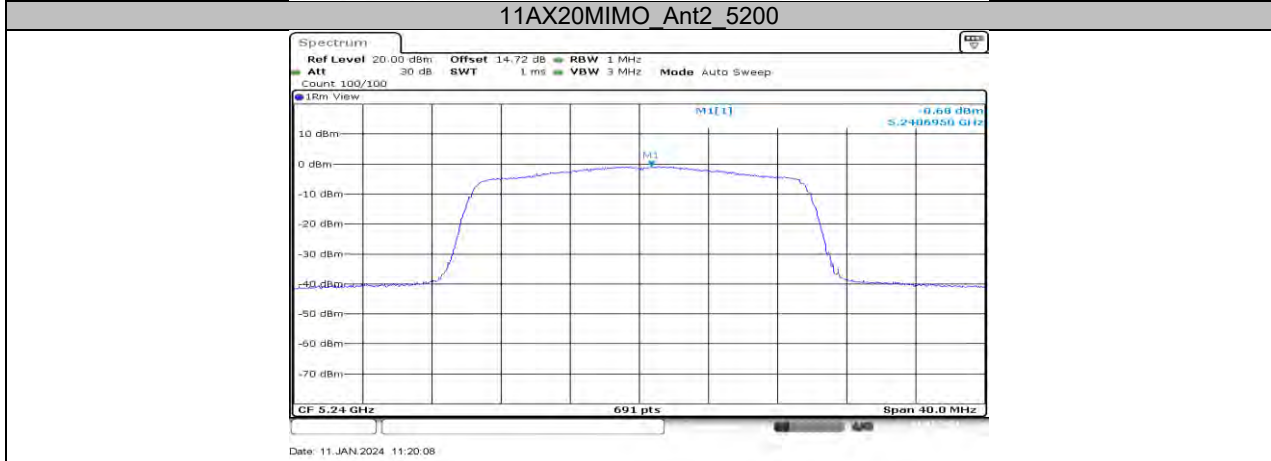
11AC80MIMO Ant1\_5210



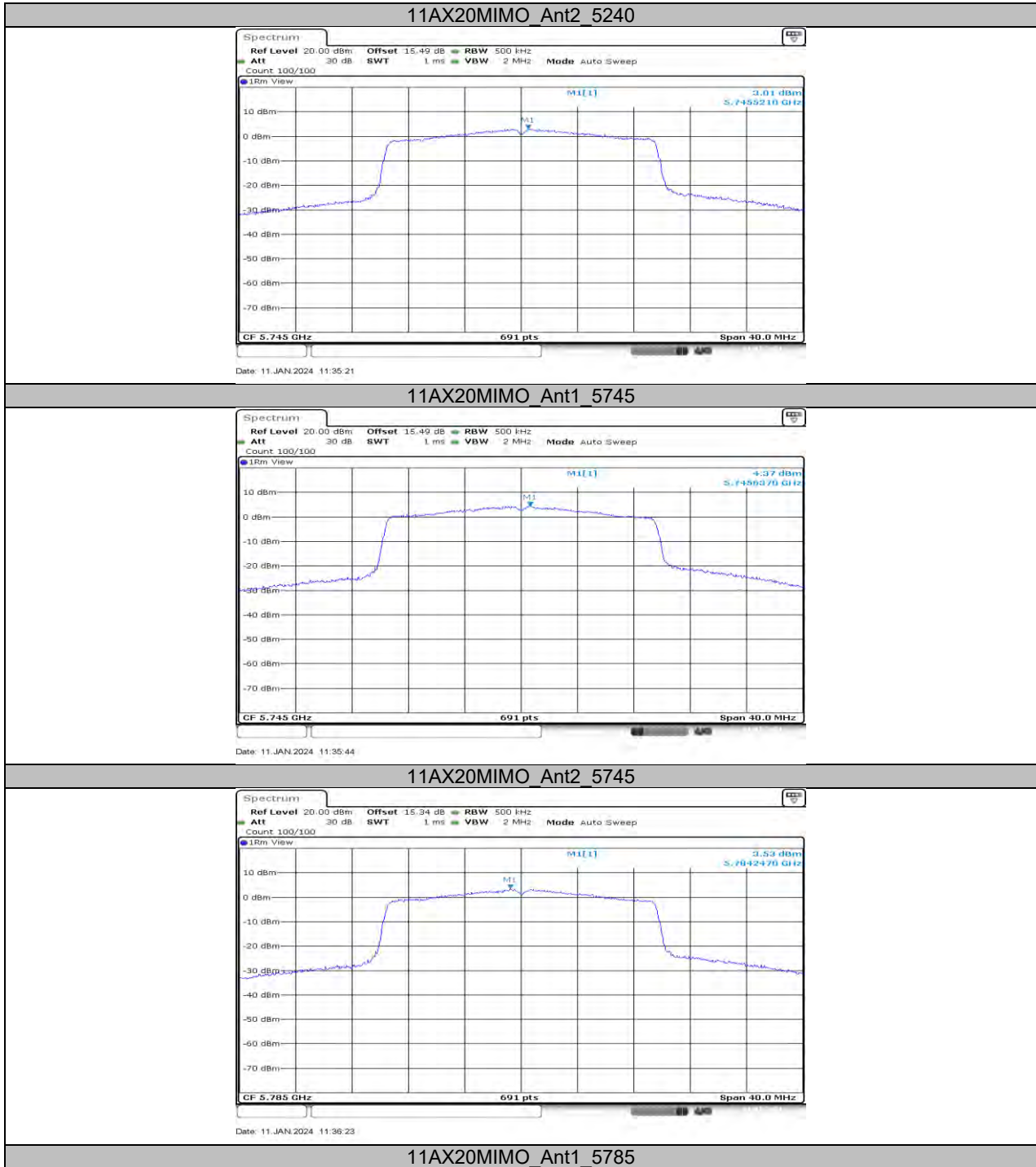
11AC80MIMO Ant2\_5210

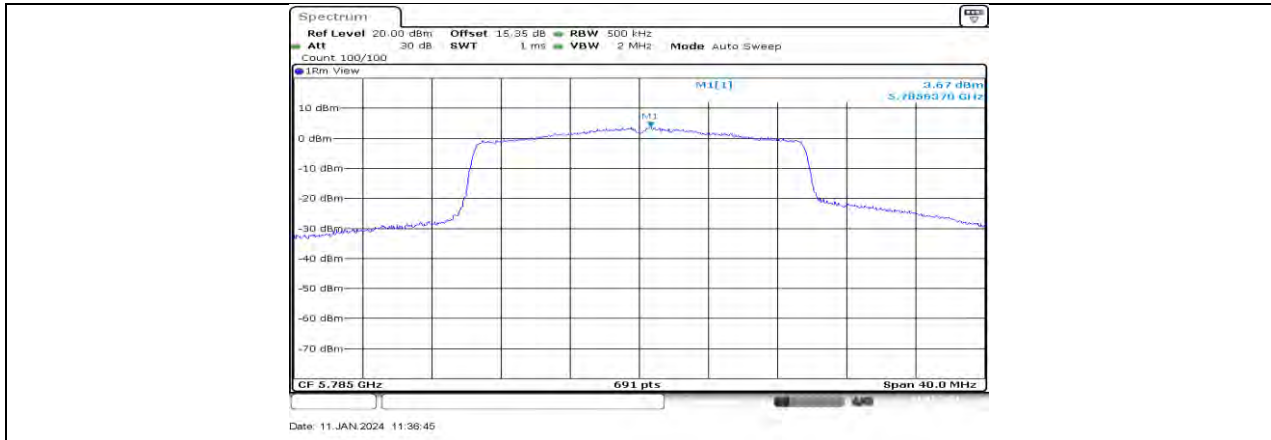








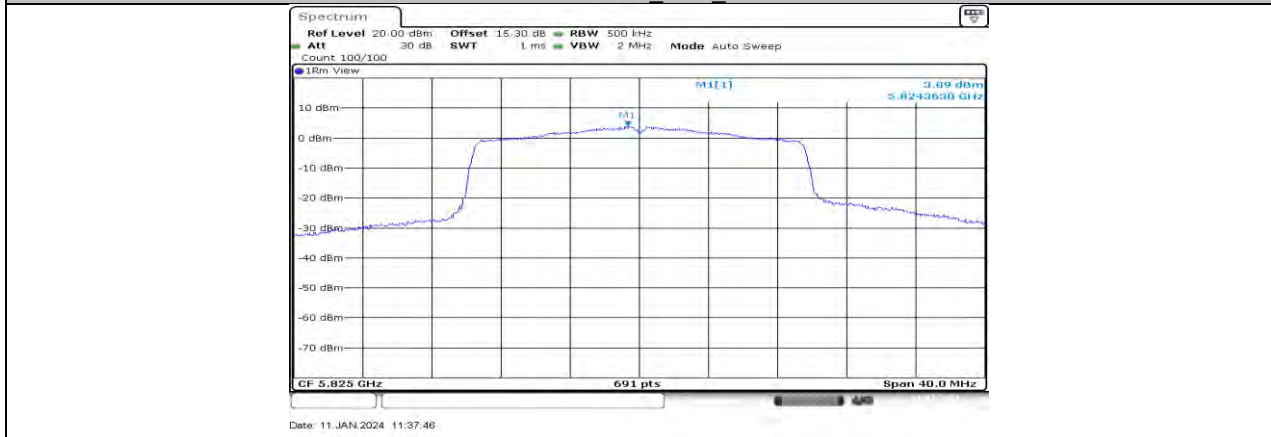




11AX20MIMO\_Ant2\_5785

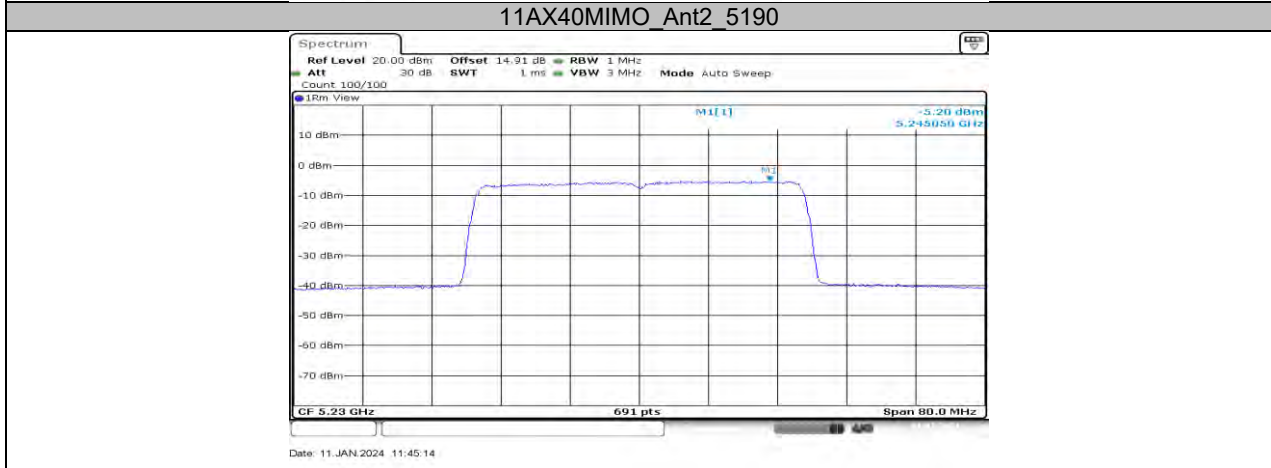


11AX20MIMO\_Ant1\_5825

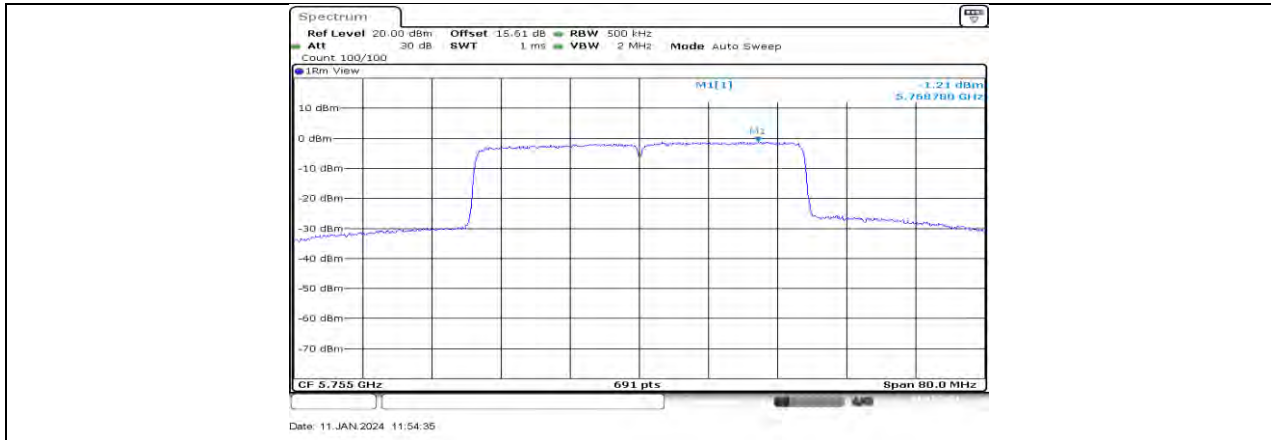


11AX20MIMO\_Ant2\_5825

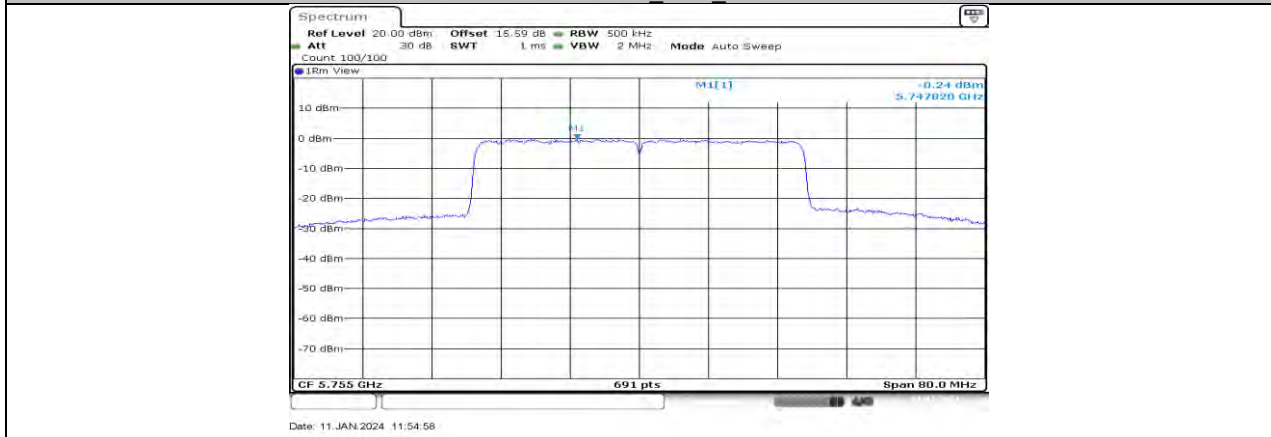




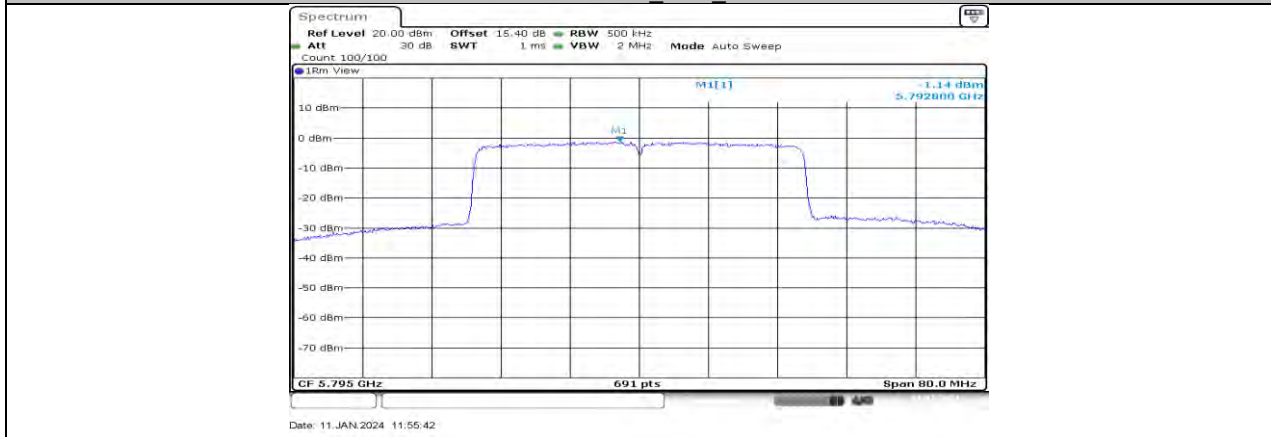
### 11AX40MIMO\_Ant2\_5230



11AX40MIMO\_Ant1\_5755



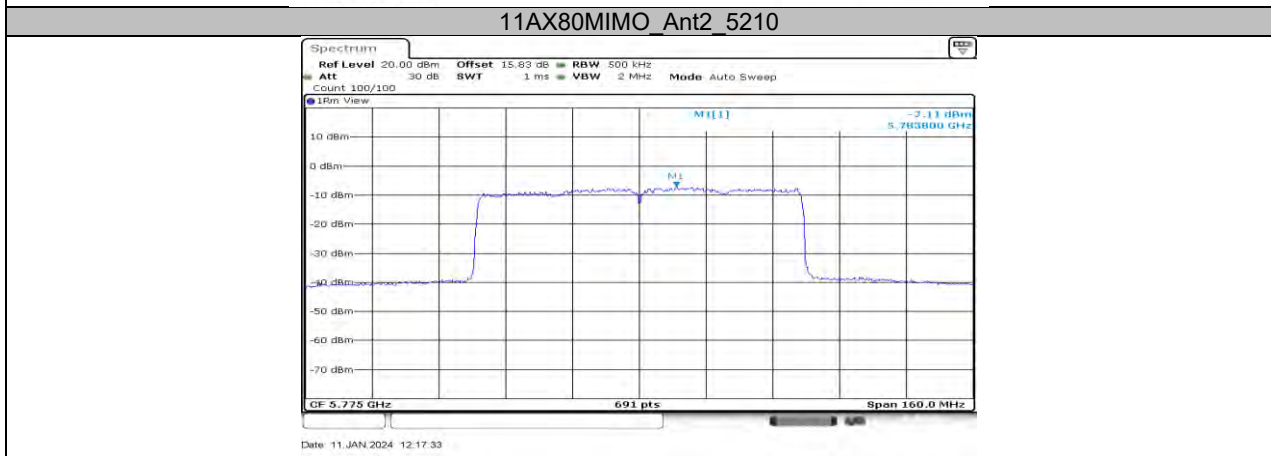
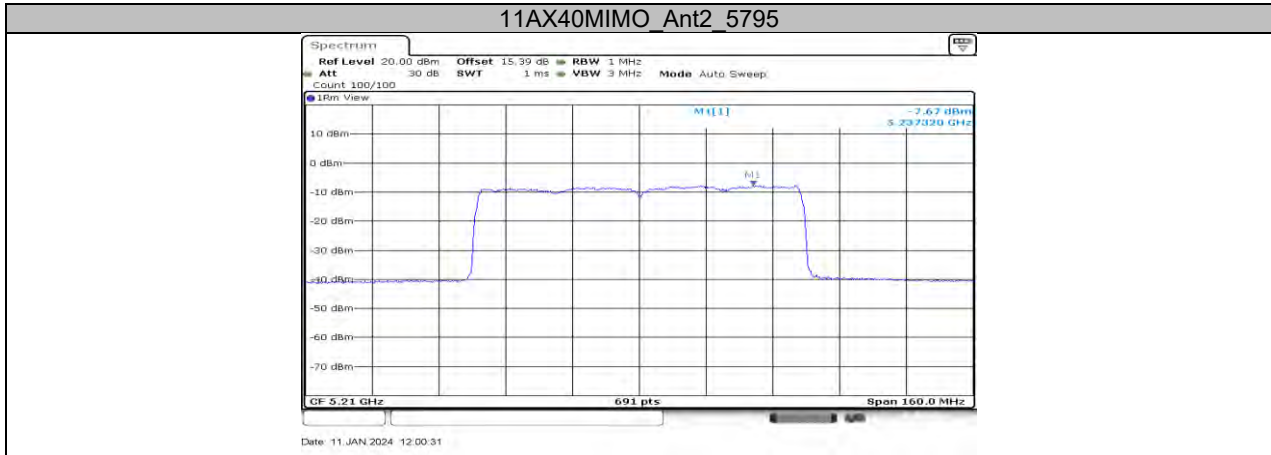
11AX40MIMO\_Ant2\_5755



11AX40MIMO\_Ant1\_5795







### 11AX80MIMO\_Ant2\_5775

## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a: 5200 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0136	2.62	5199.9863	-2.64	5200.0104	2.00	5200.0211	4.05
TN	VN	5199.9753	-4.75	5199.9923	-1.47	5199.9794	-3.95	5200.0148	2.84
TN	VH	5200.0247	4.74	5200.0195	3.75	5199.9850	-2.89	5199.9971	-0.55
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
85	VN	5199.9877	-2.37	5199.9928	-1.39	5200.0132	2.54	5199.9980	-0.39
80	VN	5200.0178	3.43	5199.9920	-1.54	5200.0016	0.31	5200.0093	1.79
70	VN	5199.9857	-2.76	5199.9861	-2.68	5200.0196	3.77	5199.9867	-2.56
60	VN	5199.9759	-4.63	5200.0003	0.05	5200.0070	1.35	5200.0058	1.11
50	VN	5200.0059	1.14	5200.0069	1.33	5200.0099	1.90	5199.9861	-2.68
40	VN	5200.0126	2.42	5200.0028	0.54	5200.0241	4.64	5199.9824	-3.39
30	VN	5200.0129	2.49	5199.9975	-0.49	5199.9843	-3.03	5199.9879	-2.32
20	VN	5199.9872	-2.45	5199.9829	-3.30	5199.9887	-2.18	5200.0030	0.57
10	VN	5199.9844	-3.01	5199.9805	-3.75	5199.9755	-4.71	5200.0180	3.46
0	VN	5200.0146	2.81	5199.9826	-3.35	5200.0082	1.57	5199.9772	-4.39
-10	VN	5200.0241	4.63	5199.9977	-0.43	5200.0045	0.87	5200.0125	2.41
-20	VN	5199.9785	-4.13	5199.9876	-2.39	5199.9872	-2.46	5199.9827	-3.32
-30	VN	5200.0143	2.74	5200.0186	3.57	5199.9923	-1.49	5200.0222	4.28

**Note:**

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

**11.7. APPENDIX G: DUTY CYCLE**  
**11.7.1. Test Result**

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A-CDD	2.04	2.06	0.9903	99.03	0.04	0.49	0.01
11N20MIMO	1.89	1.91	0.9895	98.95	0.05	0.53	0.01
11N40MIMO	1.52	1.53	0.9935	99.35	0.03	0.66	0.01
11AC80MIMO	2.21	2.23	0.9910	99.10	0.04	0.45	0.01
11AX20MIMO	3.79	3.81	0.9948	99.48	0.02	0.26	0.01
11AX40MIMO	1.22	1.25	0.9760	97.60	0.11	0.82	1
11AX80MIMO	0.16	0.18	0.8889	88.89	0.51	6.25	7

Note:

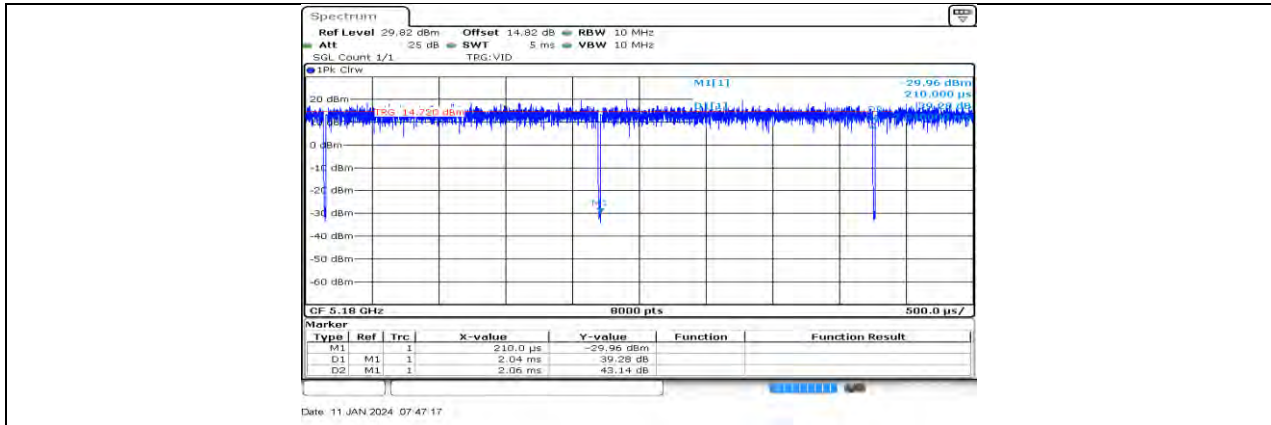
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

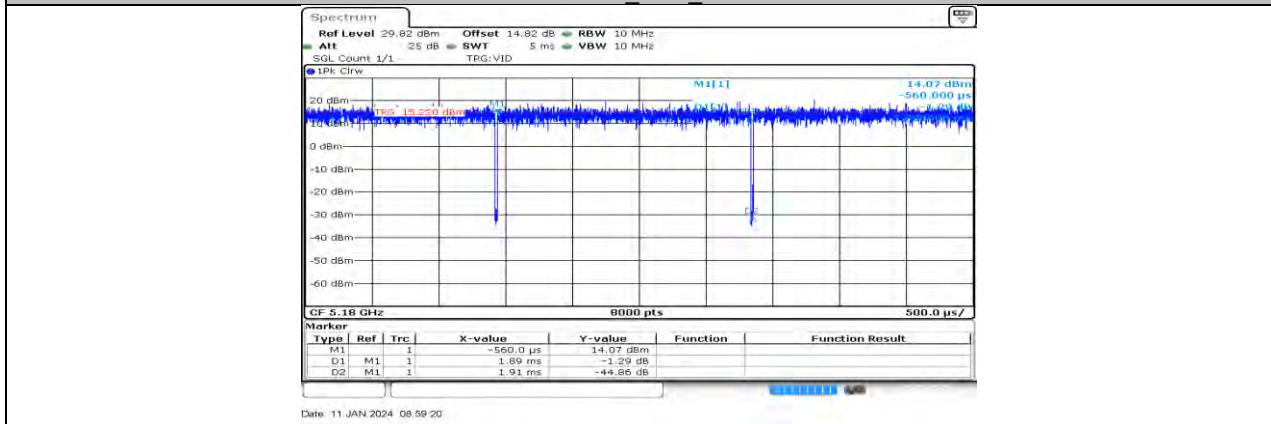
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

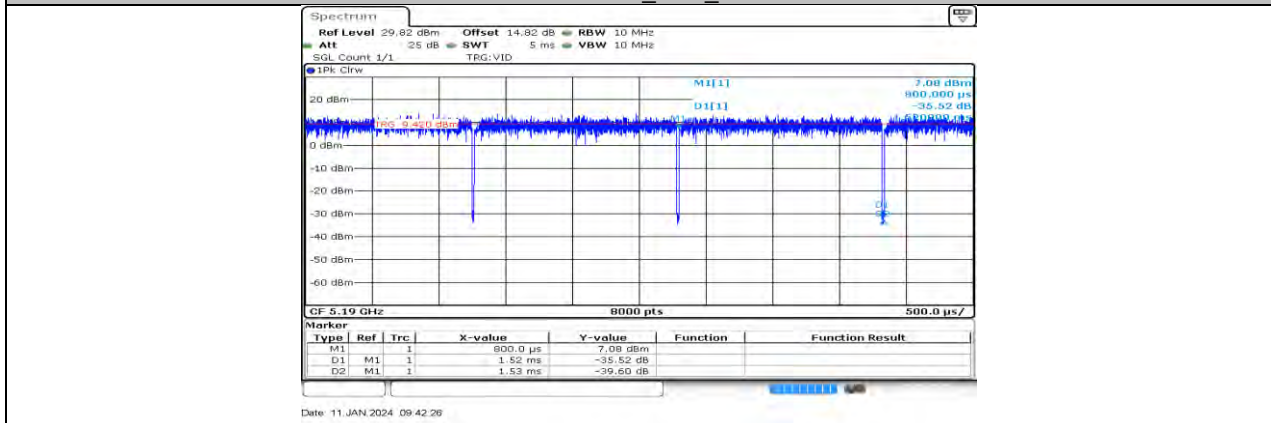
### 11.7.2. Test Graphs



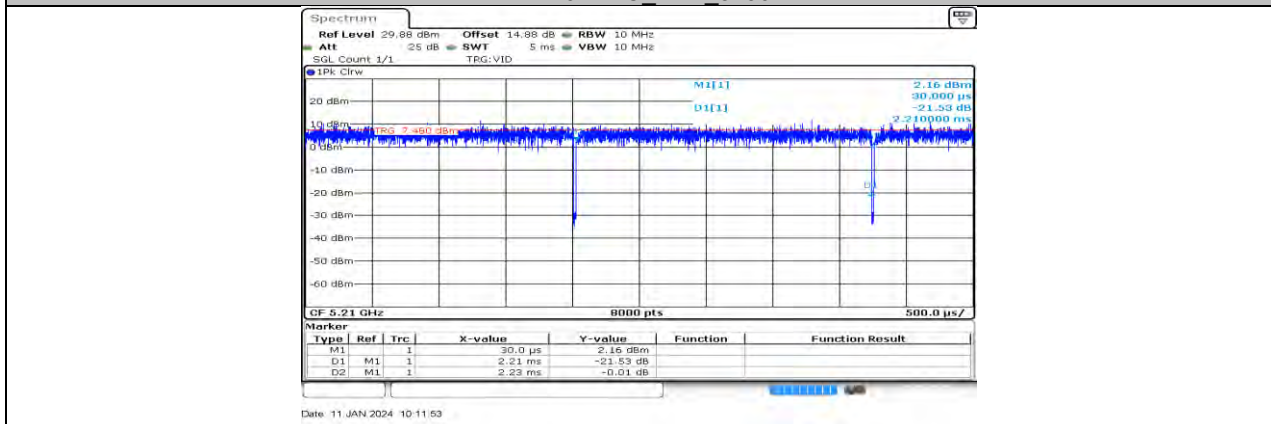
11A-CDD Ant1\_5180



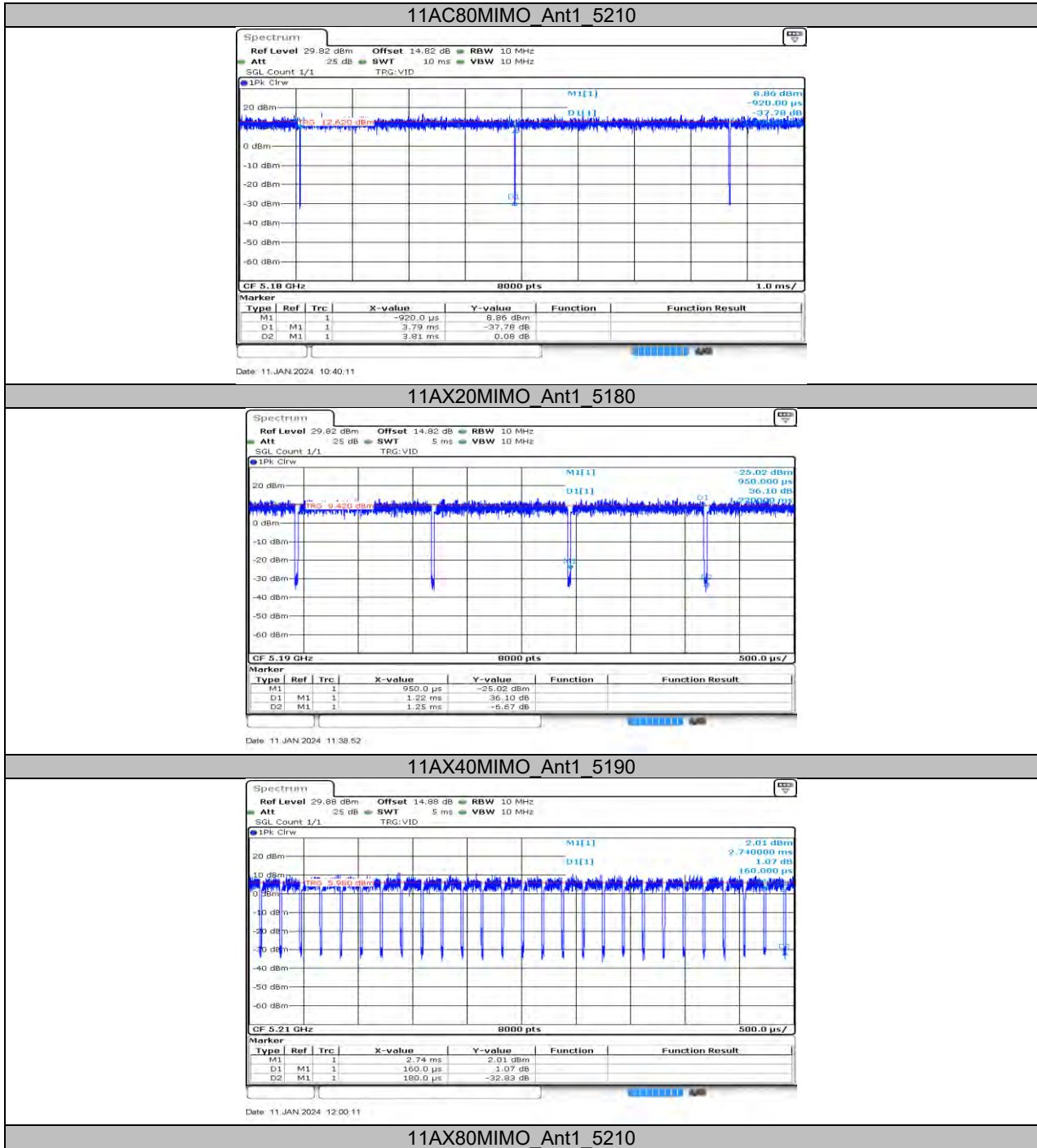
11N20MIMO Ant1\_5180



11N40MIMO Ant1\_5190







**END OF REPORT**