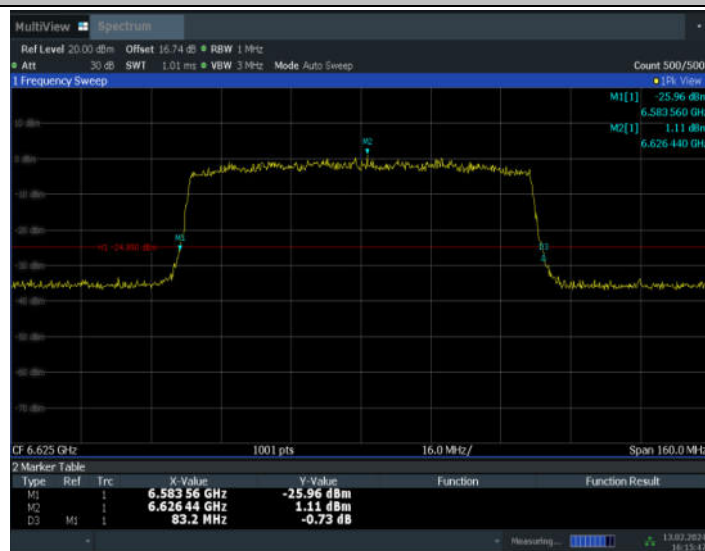


## 11AX80MIMO\_Ant10\_6625



## 11AX80MIMO\_Ant7\_6625



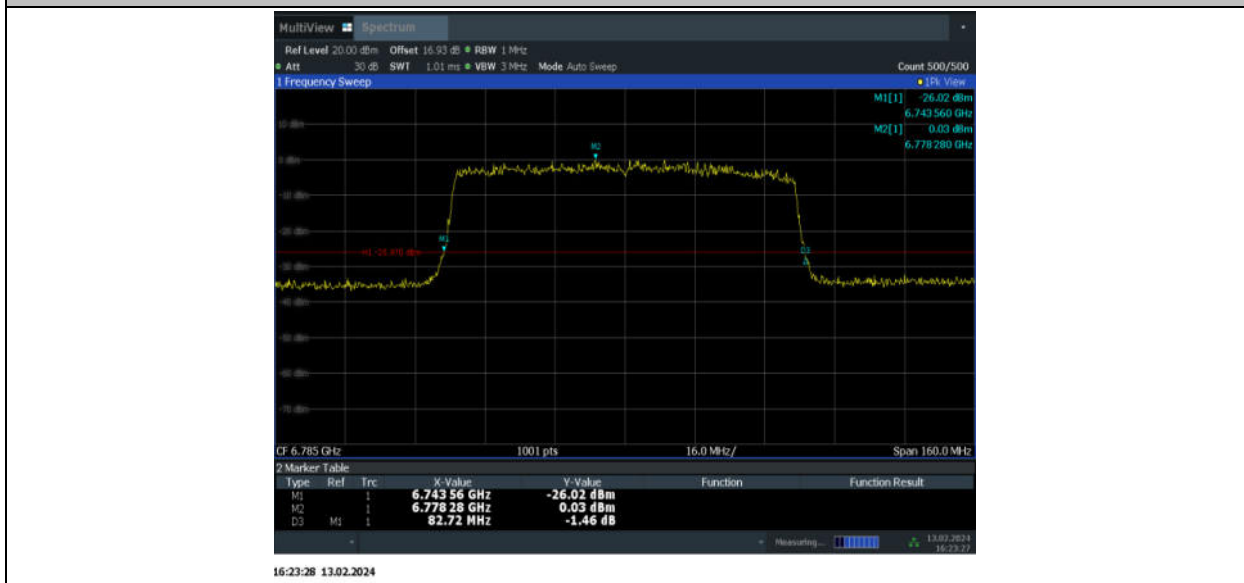
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11AX80MIMO\_Ant7\_6705



11AX80MIMO\_Ant10\_6785



## 11AX80MIMO\_Ant7\_6785



16:25:41 13.02.2024

## 11AX80MIMO\_Ant10\_6865



16:28:07 13.02.2024

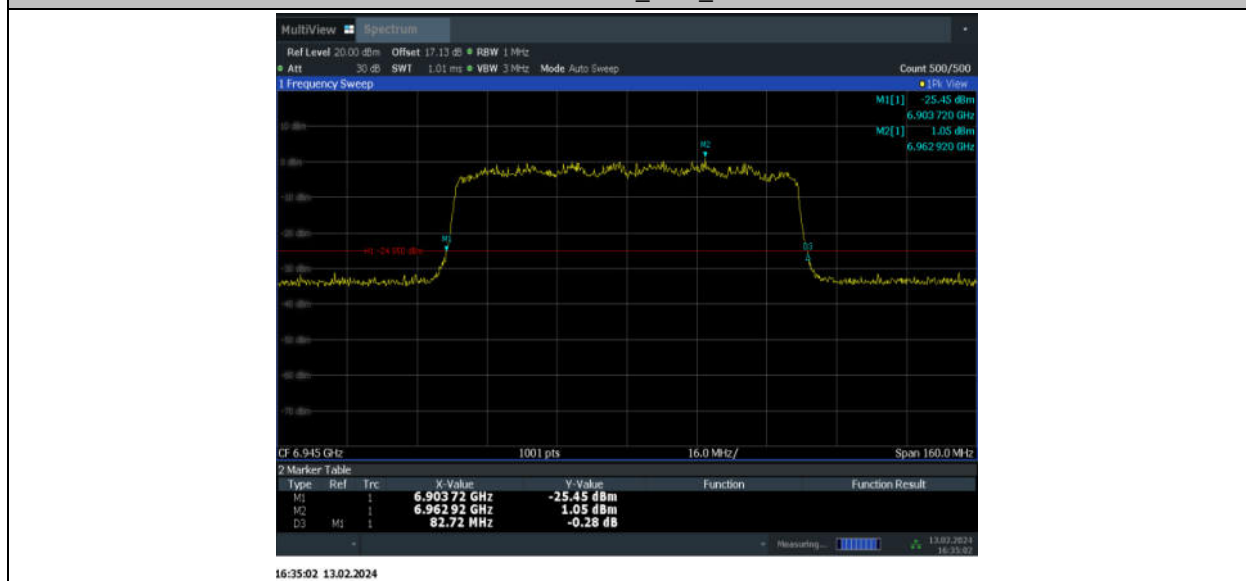
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11AX80MIMO\_Ant10\_6945



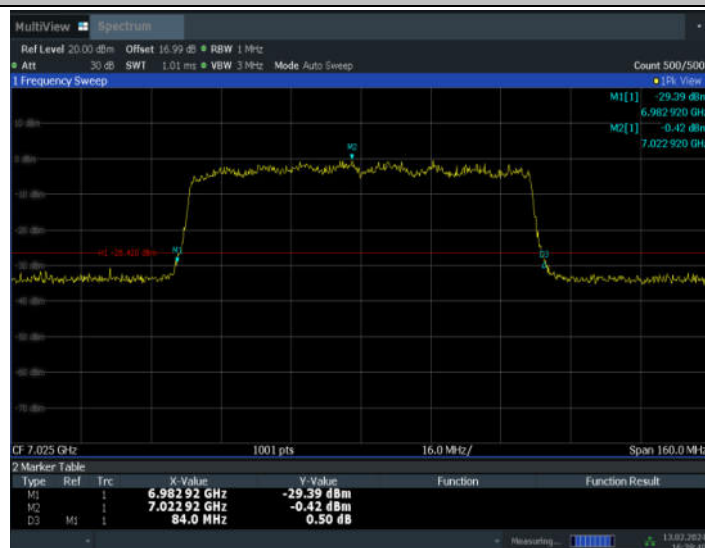
11AX80MIMO\_Ant7\_6945



## 11AX80MIMO\_Ant10\_7025



## 11AX80MIMO\_Ant7\_7025



## 11AX160MIMO\_Ant10\_6025



11AX160MIMO\_Ant7\_6025



11AX160MIMO\_Ant10\_6185



## 11AX160MIMO\_Ant7\_6185



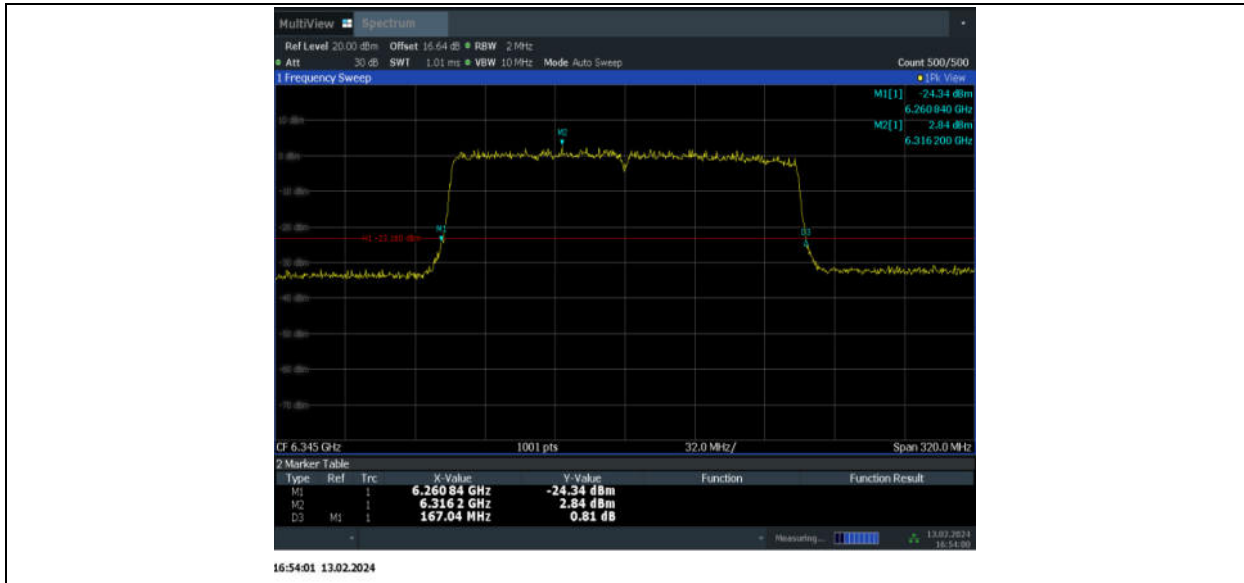
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16:51:49 13.02.2024

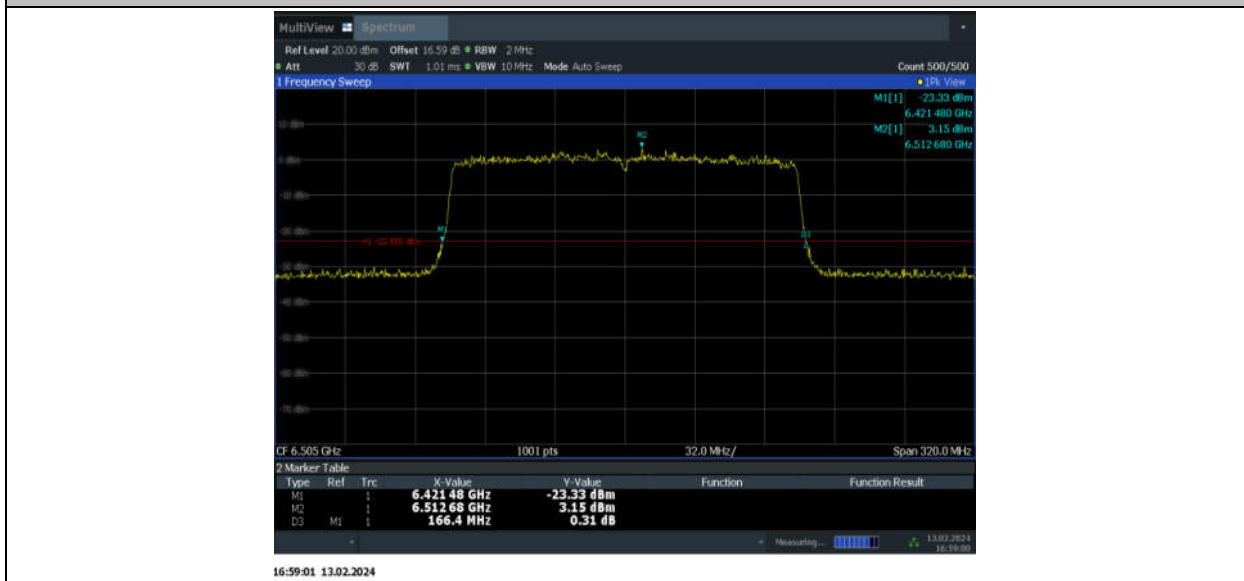
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11AX160MIMO\_Ant10\_6505



11AX160MIMO\_Ant7\_6505





## 11AX160MIMO\_Ant10\_6665



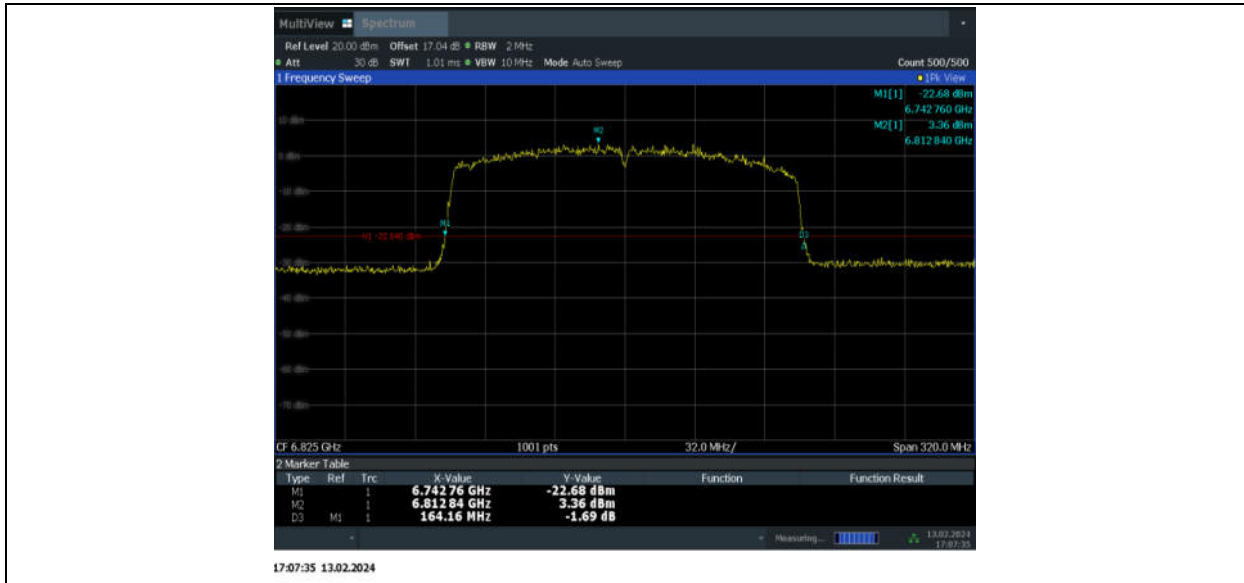
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## 11AX160MIMO\_Ant7\_6665



17:05:08 13.02.2024

## 11AX160MIMO\_Ant10\_6825



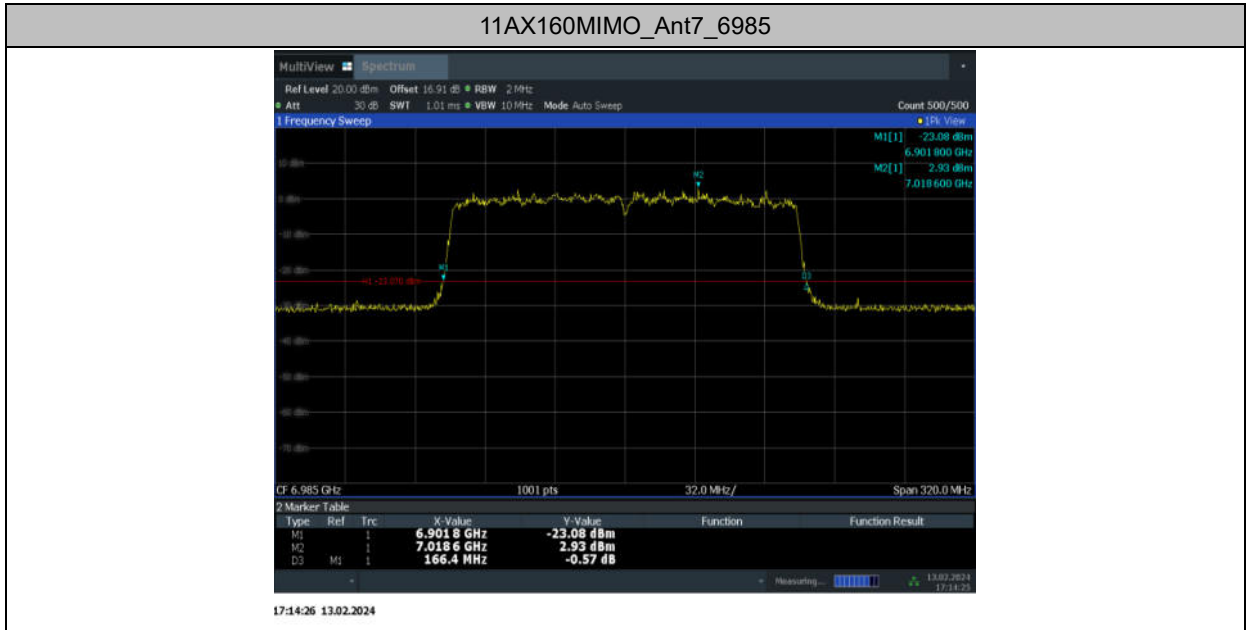
11AX160MIMO\_Ant7\_6825



11AX160MIMO\_Ant10\_6985



11AX160MIMO\_Ant7\_6985



### A.5. 99% Occupied bandwidth

**Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.**

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

**Measurement Limit:**

99% of the occupied bandwidth must be contained within all the U-NII sub-bands authorized for that equipment class. The limit for the 320 MHz channel is 320MHz.

**Test Result**

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
11AX20SISO	Ant10	5955	19.009	5945.4960	5964.5051
	Ant7	5955	19.006	5945.4925	5964.4980
	Ant10	6175	19.009	6165.4950	6184.5043
	Ant7	6175	19.008	6165.4834	6184.4918
	Ant10	6415	19.014	6405.4753	6424.4898
	Ant7	6415	19.041	6405.4818	6424.5228
	Ant10	6435	19.018	6425.4485	6444.4668
	Ant7	6435	19.001	6425.4935	6444.4947
	Ant10	6475	18.995	6465.4694	6484.4645
	Ant7	6475	19.002	6465.4992	6484.5011
	Ant10	6515	18.999	6505.4880	6524.4867
	Ant7	6515	18.99	6505.4962	6524.4866
Ant10	6535	19.003	6525.4737	6544.4763	

	Ant7	6535	19.012	6525.4780	6544.4902
	Ant10	6695	18.955	6685.5017	6704.4562
	Ant7	6695	18.996	6685.4929	6704.4890
	Ant10	6855	18.999	6845.4860	6864.4851
	Ant7	6855	19.02	6845.4776	6864.4971
	Ant10	6875	19.026	6865.4632	6884.4893
	Ant7	6875	19.005	6865.4856	6884.4906
	Ant10	6895	18.986	6885.4700	6904.4563
	Ant7	6895	19.027	6885.4748	6904.5016
	Ant10	6995	19.026	6985.4526	7004.4786
	Ant7	6995	19.008	6985.4964	7004.5049
	Ant10	7115	18.993	7105.4865	7124.4792
	Ant7	7115	19.013	7105.4681	7124.4808
11AX40SISO	Ant10	5965	37.873	5946.0252	5983.8983
	Ant7	5965	37.852	5946.0254	5983.8772
	Ant10	6165	37.991	6145.9833	6183.9740
	Ant7	6165	37.944	6145.9372	6183.8812
	Ant10	6405	37.874	6386.0223	6423.8958
	Ant7	6405	37.888	6386.0064	6423.8939
	Ant10	6445	37.984	6425.9496	6463.9336
	Ant7	6445	37.877	6426.0248	6463.9023
		6485	37.831	6466.0458	6503.8769
		6525	37.933	6505.9697	6543.9029
		6565	37.883	6545.9954	6583.8785
		6685	37.873	6666.0275	6703.9003
		6845	37.873	6826.0186	6863.8912
6885		37.886	6866.0267	6903.9124	
6925		37.883	6905.9947	6943.8778	
6965		37.883	6946.0346	6983.9175	
7085	37.929	7065.9555	7103.8845		
11AX80SISO	Ant10	5985	77.333	5946.3385	6023.6719
	Ant7	5985	77.263	5946.3258	6023.5884
		6145	77.241	6106.1640	6183.4048
		6385	77.318	6346.2695	6423.5875
		6465	77.433	6426.2210	6503.6538
		6545	77.335	6506.1999	6583.5353
		6625	77.231	6586.3531	6663.5836
		6705	77.424	6666.1936	6743.6179
		6785	77.327	6746.1606	6823.4877
		6865	77.37	6826.2851	6903.6546
		6945	77.429	6906.2257	6983.6551
		7025	77.365	6986.2898	7063.6547
11AX160SISO	Ant10	6025	157.057	5946.8825	6103.9397

	Ant7	6025	157.145	5946.5577	6103.7024
		6185	157.198	6105.8750	6263.0734
		6345	157.29	6266.1051	6423.3946
		6505	157.233	6426.3363	6583.5693
		6665	156.954	6586.4902	6743.4440
		6825	157.595	6746.0055	6903.6001
		6985	157.539	6906.2765	7063.8152
11AX20MIMO	Ant10	5955	18.982	5945.5141	5964.4958
	Ant7	5955	18.976	5945.4846	5964.4610
	Ant10	6175	19.051	6165.4577	6184.5083
	Ant7	6175	19.019	6165.4436	6184.4629
	Ant10	6415	19.032	6405.4481	6424.4806
	Ant7	6415	19.05	6405.4483	6424.4982
	Ant10	6435	19.047	6425.4394	6444.4868
	Ant7	6435	19.071	6425.4416	6444.5121
	Ant10	6475	19.014	6465.4315	6484.4453
	Ant7	6475	19.048	6465.4521	6484.5005
	Ant10	6515	19.022	6505.4516	6524.4741
	Ant7	6515	19.041	6505.4606	6524.5019
	Ant10	6535	19.042	6525.4402	6544.4821
	Ant7	6535	19.073	6525.4323	6544.5051
	Ant10	6695	19.017	6685.4534	6704.4702
	Ant7	6695	19.075	6685.4382	6704.5128
	Ant10	6855	19	6845.4688	6864.4684
	Ant7	6855	19.048	6845.4677	6864.5153
	Ant10	6875	19.013	6865.4555	6884.4681
	Ant7	6875	19.045	6865.4782	6884.5235
	Ant10	6895	19.006	6885.4428	6904.4484
	Ant7	6895	19.038	6885.4752	6904.5135
Ant10	6995	19.006	6985.4541	7004.4598	
Ant7	6995	18.999	6985.4944	7004.4933	
Ant10	7115	19.001	7105.4559	7124.4570	
Ant7	7115	18.956	7105.5167	7124.4725	
11AX40MIMO	Ant10	5965	37.806	5946.0728	5983.8788
	Ant7	5965	37.893	5946.0220	5983.9154
	Ant10	6165	37.932	6145.9909	6183.9224
	Ant7	6165	37.867	6145.9751	6183.8425
	Ant10	6405	38.009	6385.9395	6423.9489
	Ant7	6405	37.989	6385.9049	6423.8934
	Ant10	6445	38.01	6425.9384	6463.9486
	Ant7	6445	37.986	6425.9460	6463.9318
	Ant10	6485	37.989	6465.9450	6503.9335
	Ant7	6485	38.037	6465.9395	6503.9763

	Ant10	6525	37.901	6505.9706	6543.8711
	Ant7	6525	38.054	6505.9425	6543.9961
	Ant10	6565	38.001	6545.9313	6583.9323
	Ant7	6565	38.015	6545.9290	6583.9442
	Ant10	6685	37.803	6666.0299	6703.8330
	Ant7	6685	38.075	6665.9400	6704.0154
	Ant10	6845	37.844	6826.0025	6863.8469
	Ant7	6845	38.028	6825.9546	6863.9827
	Ant10	6885	37.867	6865.9774	6903.8441
	Ant7	6885	38.027	6866.0022	6904.0292
	Ant10	6925	37.862	6905.9943	6943.8564
	Ant7	6925	37.993	6905.9746	6943.9671
	Ant10	6965	37.9	6946.0097	6983.9096
	Ant7	6965	37.956	6946.0082	6983.9642
	Ant10	7085	37.813	7066.0096	7103.8223
	Ant7	7085	37.956	7066.0016	7103.9576
11AX80MIMO	Ant10	5985	77.059	5946.5276	6023.5863
	Ant7	5985	77.365	5946.2638	6023.6286
	Ant10	6145	77.219	6106.3766	6183.5951
	Ant7	6145	77.349	6106.1079	6183.4565
	Ant10	6385	77.195	6346.3154	6423.5100
	Ant7	6385	77.442	6346.1680	6423.6096
	Ant10	6465	77.439	6426.1543	6503.5936
	Ant7	6465	77.543	6426.1482	6503.6915
	Ant10	6545	77.277	6506.2107	6583.4873
	Ant7	6545	77.686	6506.0765	6583.7626
	Ant10	6625	77.173	6586.2217	6663.3950
	Ant7	6625	77.523	6586.1765	6663.6994
	Ant10	6705	77.093	6666.3147	6743.4081
	Ant7	6705	77.591	6666.0772	6743.6681
	Ant10	6785	77.295	6746.0806	6823.3759
	Ant7	6785	77.674	6746.0843	6823.7588
	Ant10	6865	76.999	6826.3386	6903.3373
	Ant7	6865	77.611	6826.1047	6903.7154
	Ant10	6945	77.146	6906.3020	6983.4477
	Ant7	6945	77.555	6906.1770	6983.7324
11AX160MIMO	Ant10	7025	77.078	6986.2486	7063.3268
	Ant7	7025	77.389	6986.2973	7063.6865
	Ant10	6025	153.375	5948.9446	6102.3201
	Ant7	6025	157.445	5946.2497	6103.6943
	Ant10	6185	153.678	6108.1388	6261.8165
Ant7	6185	157.117	6105.9638	6263.0810	
Ant10	6345	153.849	6267.8384	6421.6870	

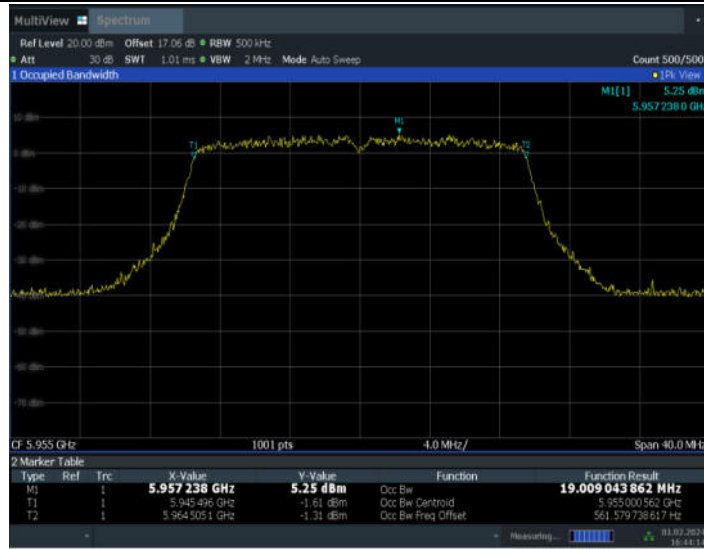


	Ant7	6345	157.58	6266.0226	6423.6029
	Ant10	6505	154.054	6427.8066	6581.8603
	Ant7	6505	157.663	6426.1625	6583.8252
	Ant10	6665	153.498	6587.7397	6741.2375
	Ant7	6665	157.548	6586.2608	6743.8089
	Ant10	6825	153.555	6747.5652	6901.1198
	Ant7	6825	157.838	6745.7956	6903.6337
	Ant10	6985	153.55	6907.6391	7061.1886
	Ant7	6985	157.591	6906.1380	7063.7288

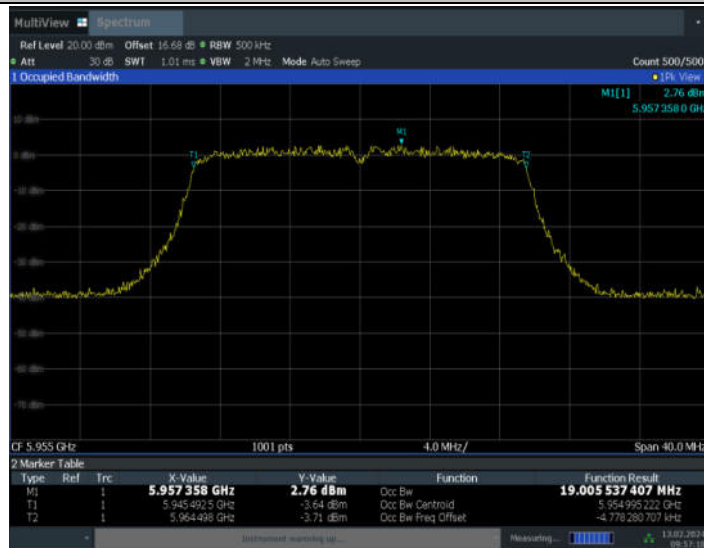


Test Graphs

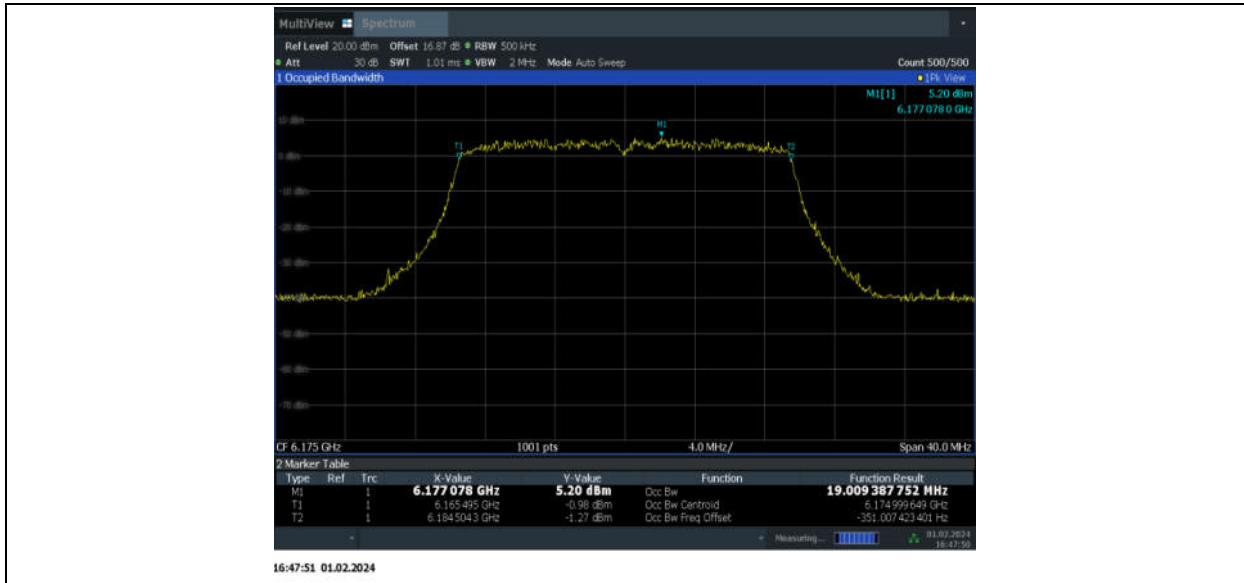
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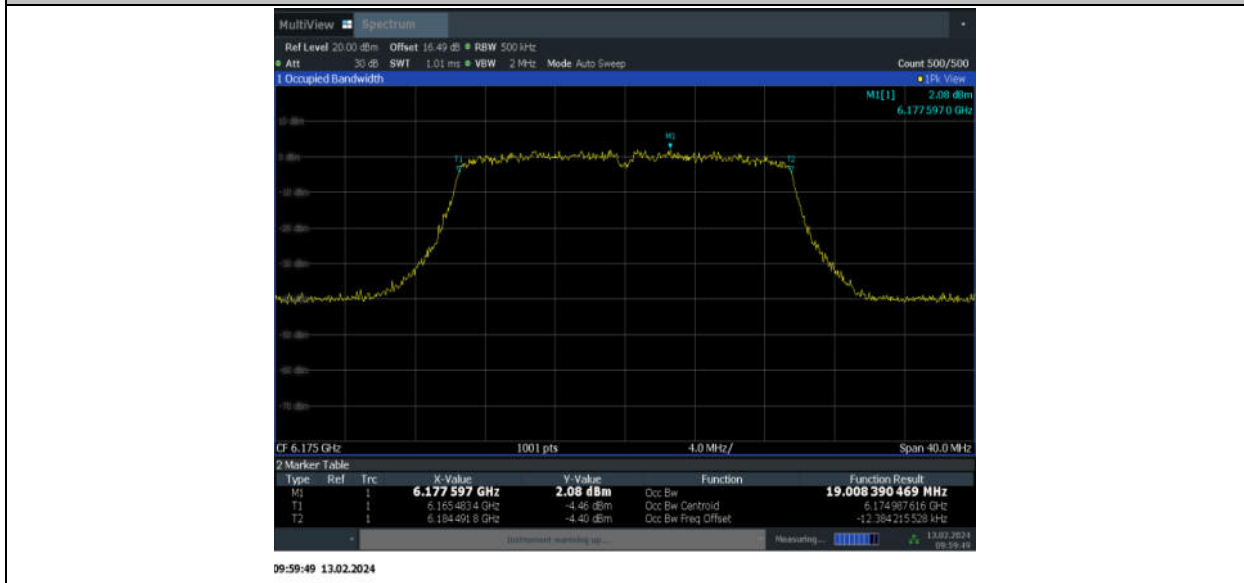
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11AX20SISO\_Ant10\_6175



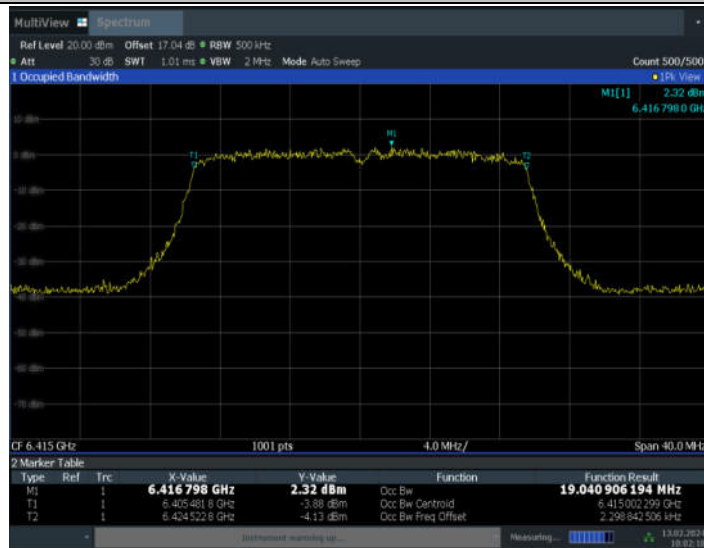
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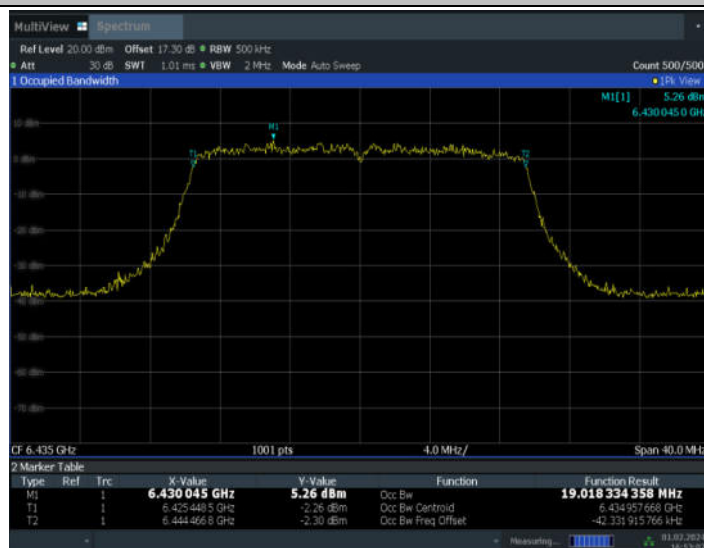
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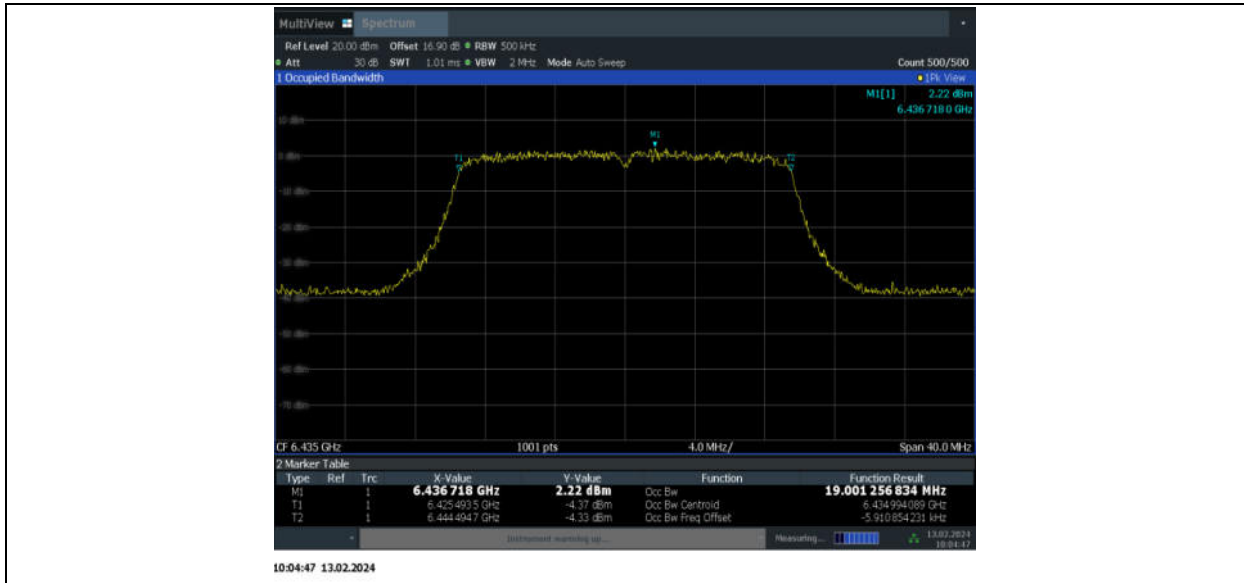
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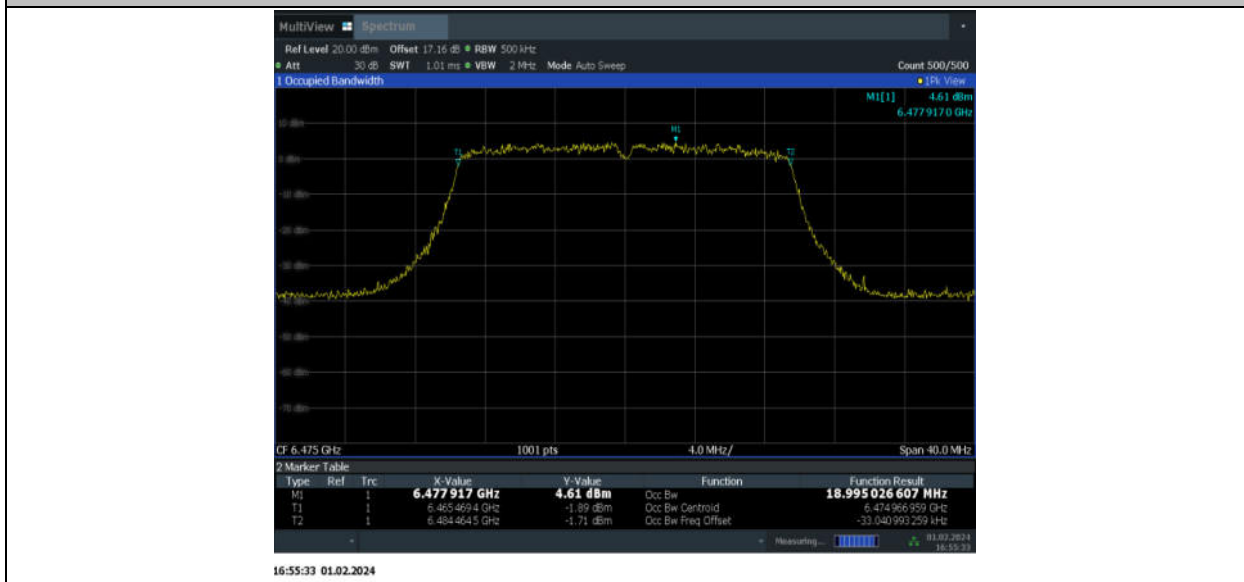
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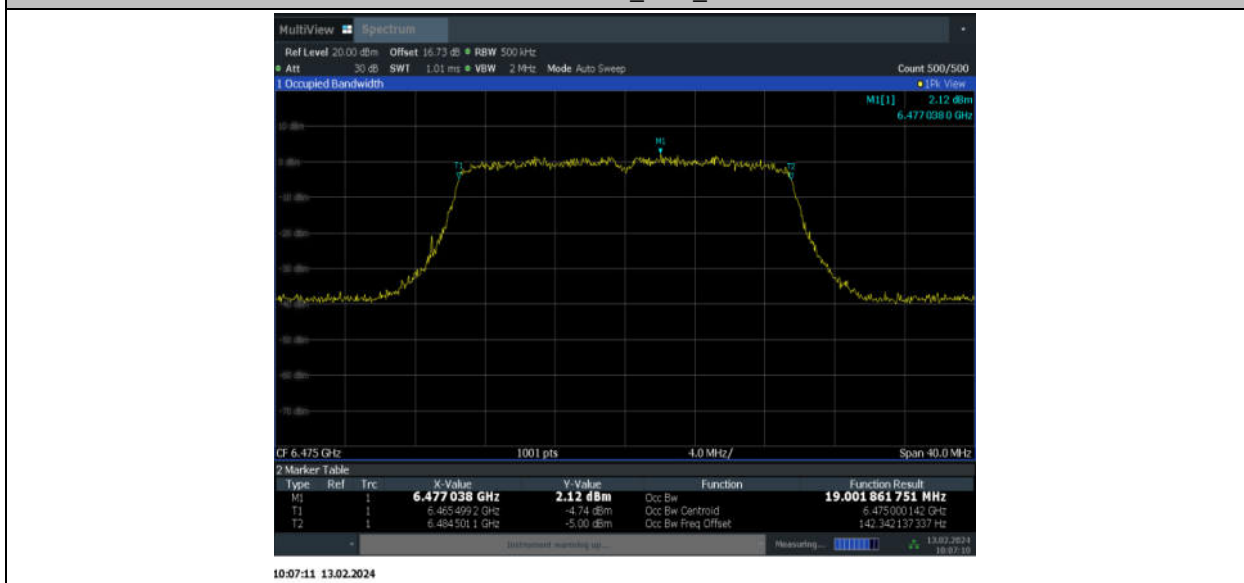
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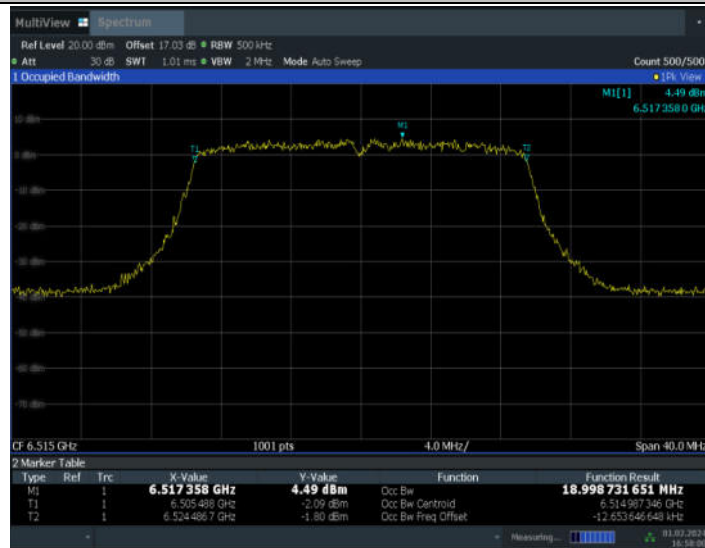
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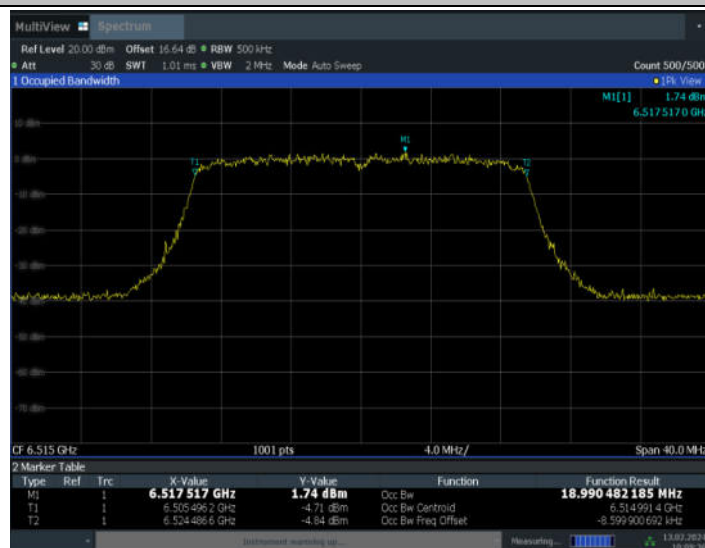
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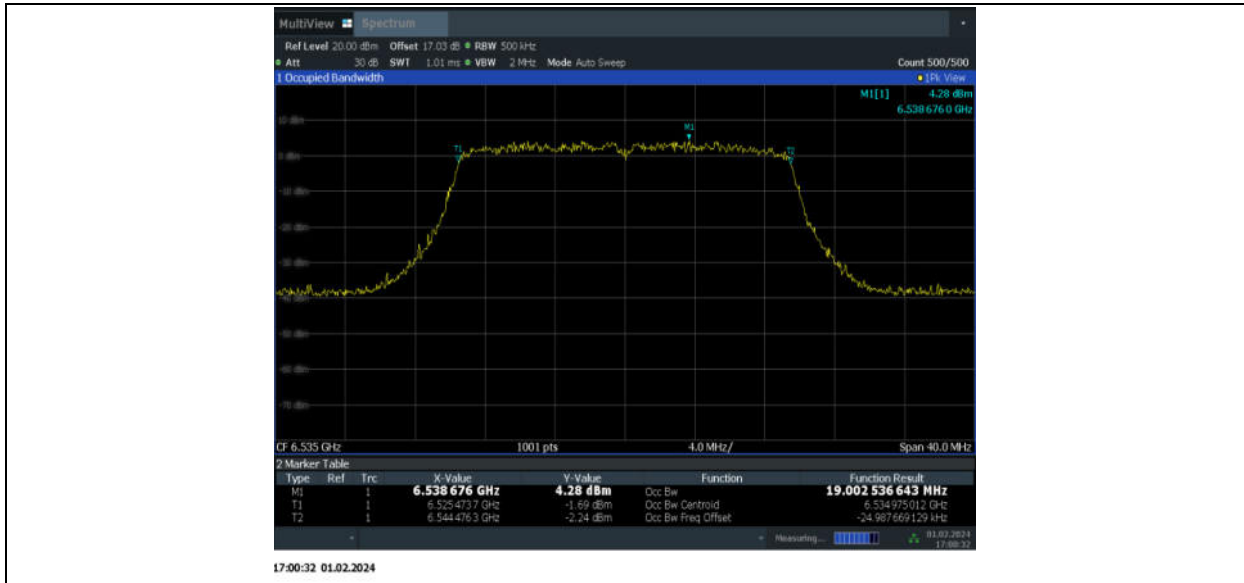
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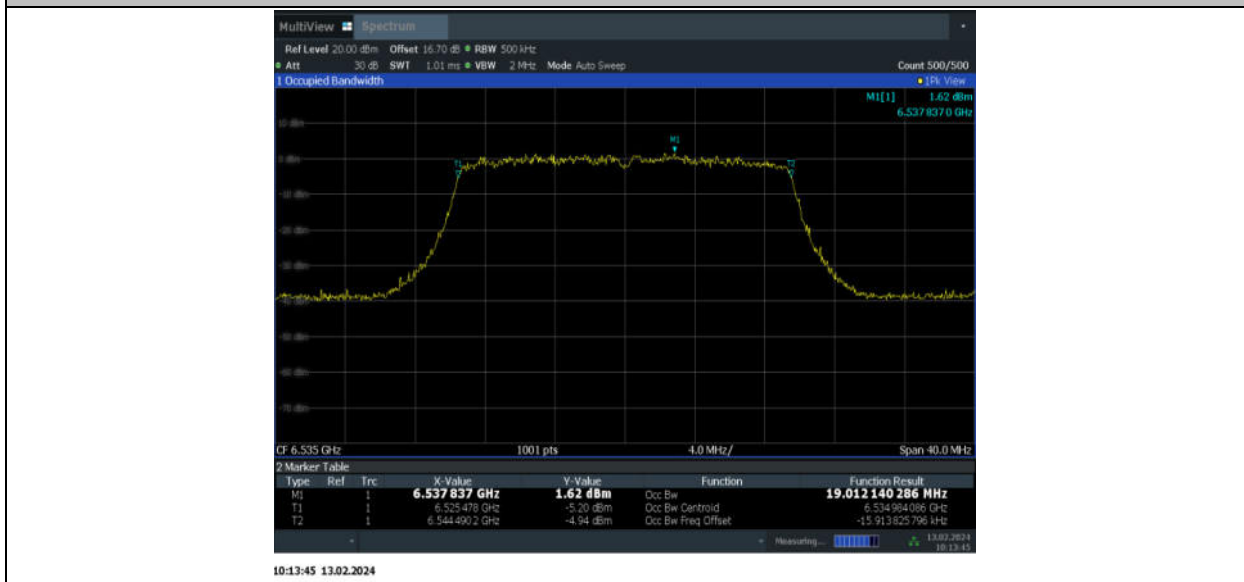
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## 11AX20SISO\_Ant10\_6535



11AX20SISO\_Ant7\_6535



11AX20SISO\_Ant10\_6695

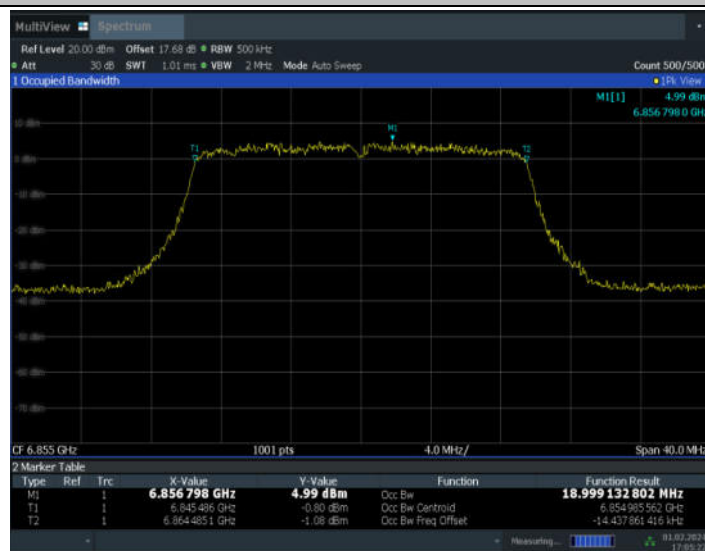


## 11AX20SISO\_Ant7\_6695



10:17:28 13.02.2024

## 11AX20SISO\_Ant10\_6855



17:05:22 01.02.2024

## 11AX20SISO\_Ant7\_6855



11AX20SISO\_Ant10\_6875



11AX20SISO\_Ant7\_6875

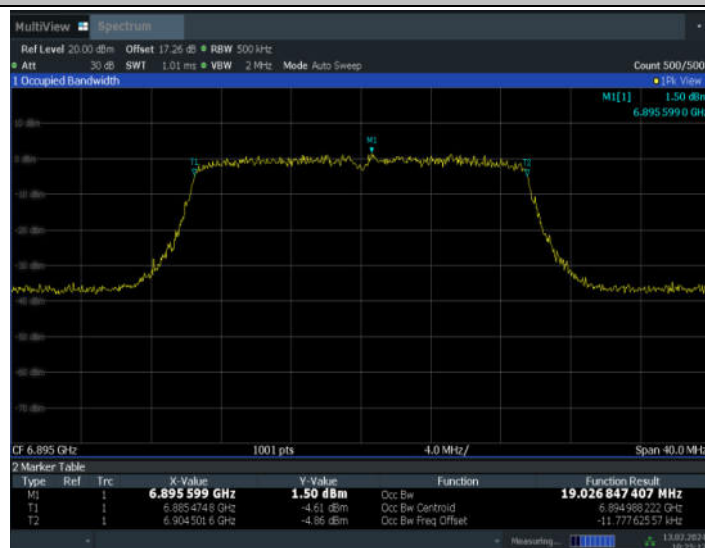




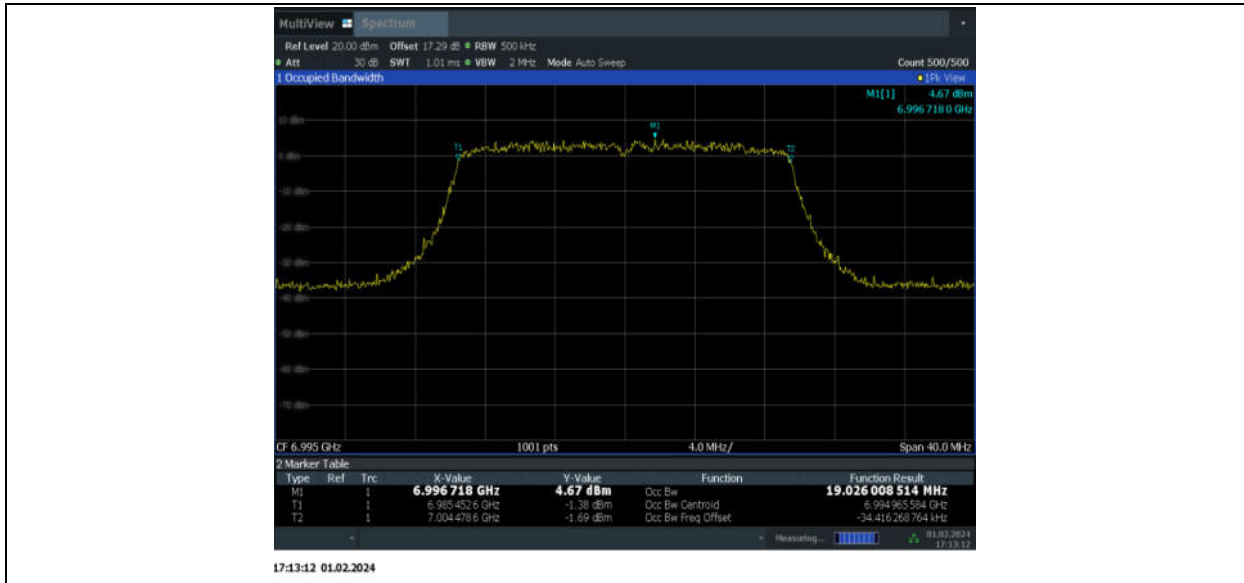
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11AX20SISO\_Ant7\_6895



11AX20SISO\_Ant10\_6995



11AX20SISO\_Ant7\_6995



11AX20SISO\_Ant10\_7115

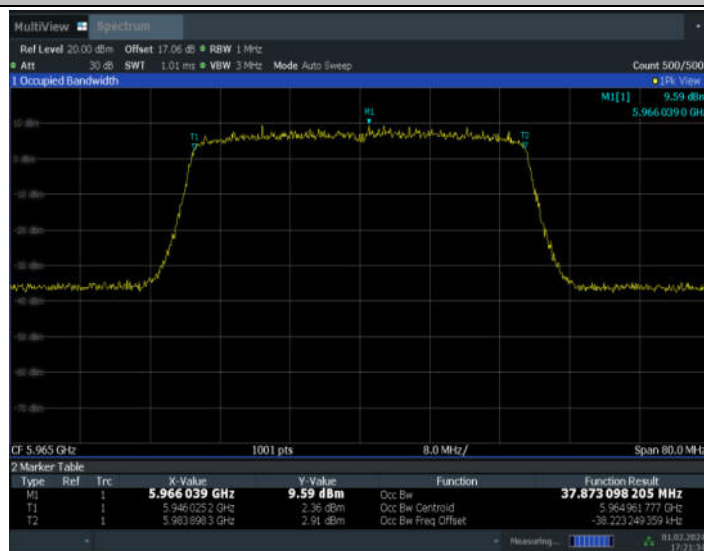


11AX20SISO\_Ant7\_7115



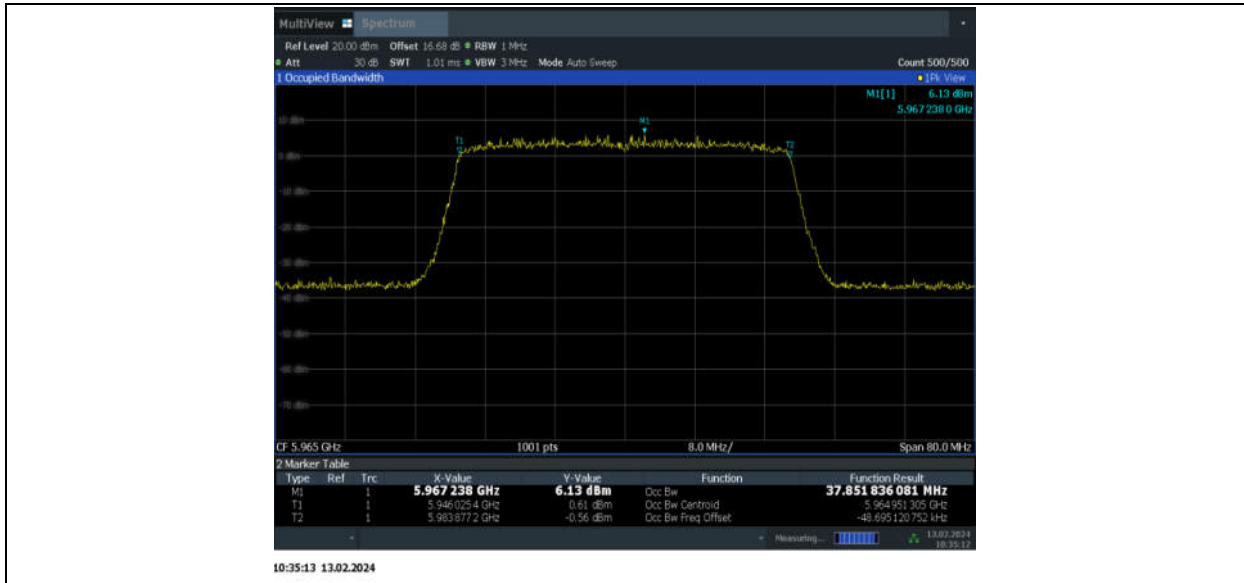
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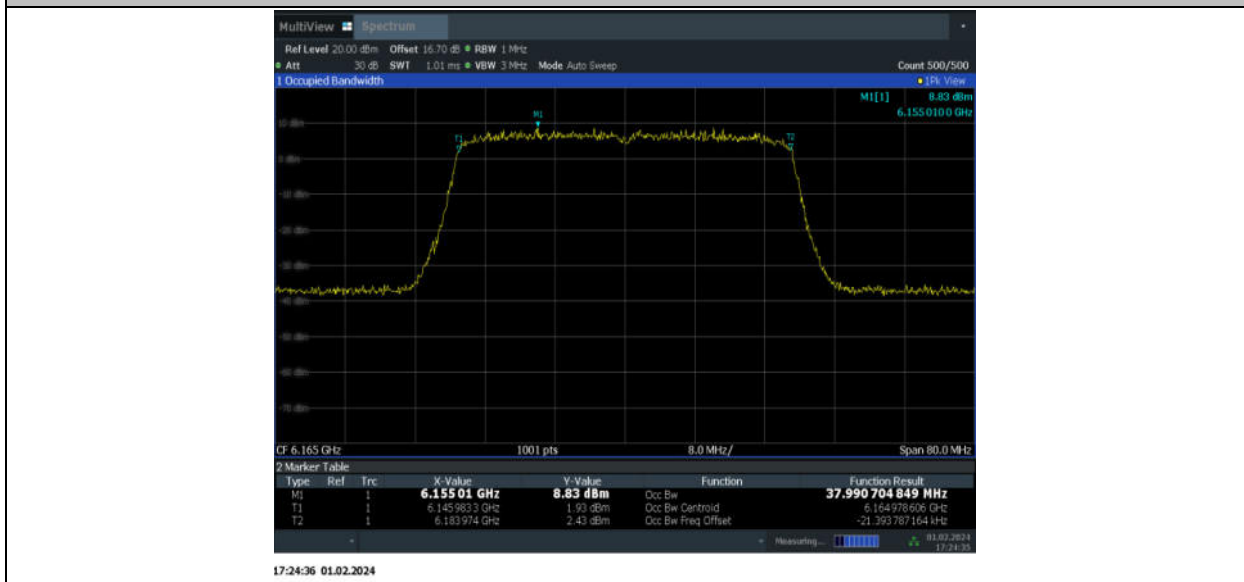


17:21:35 01.02.2024

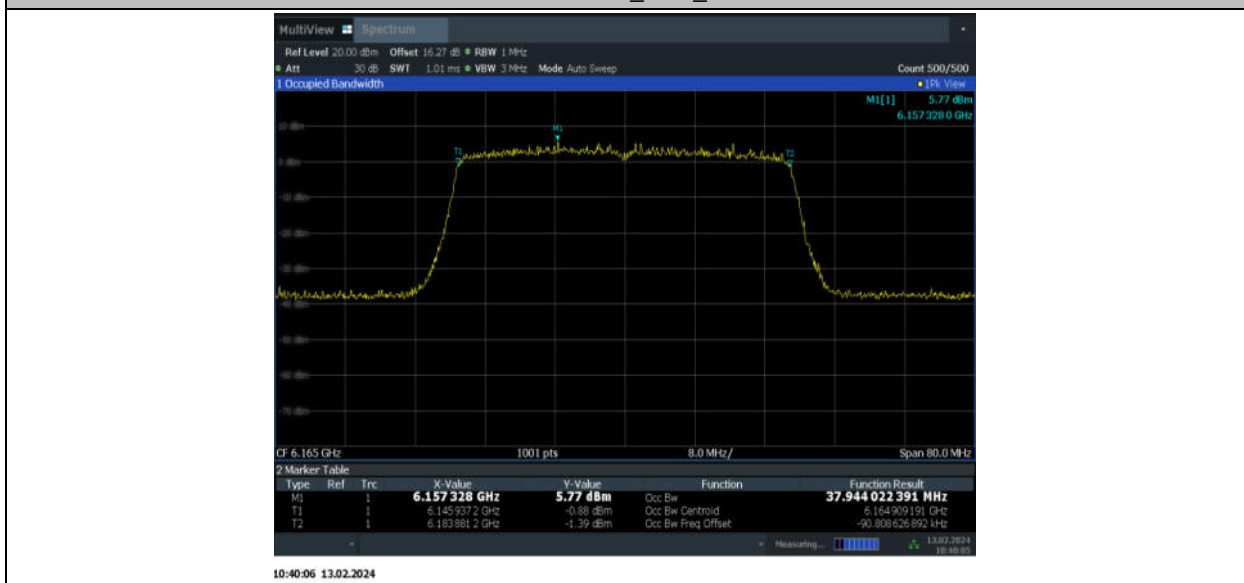
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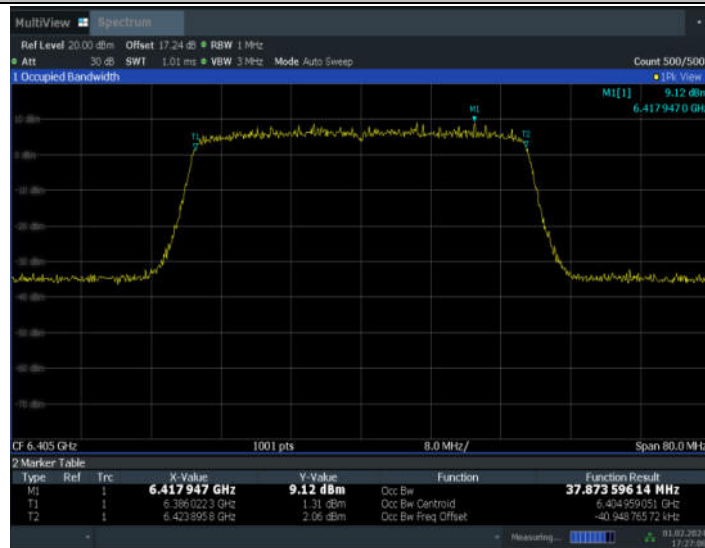
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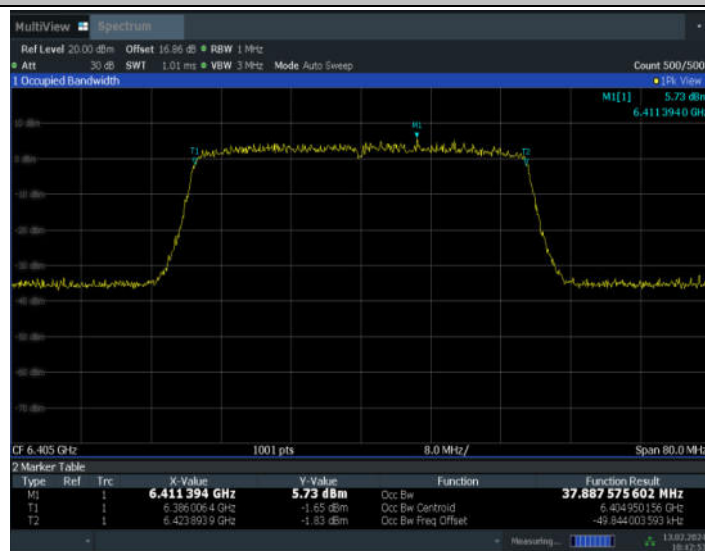


11AX40SISO\_Ant10\_6405



17:27:06 01.02.2024

11AX40SISO\_Ant7\_6405



10:42:54 13.02.2024

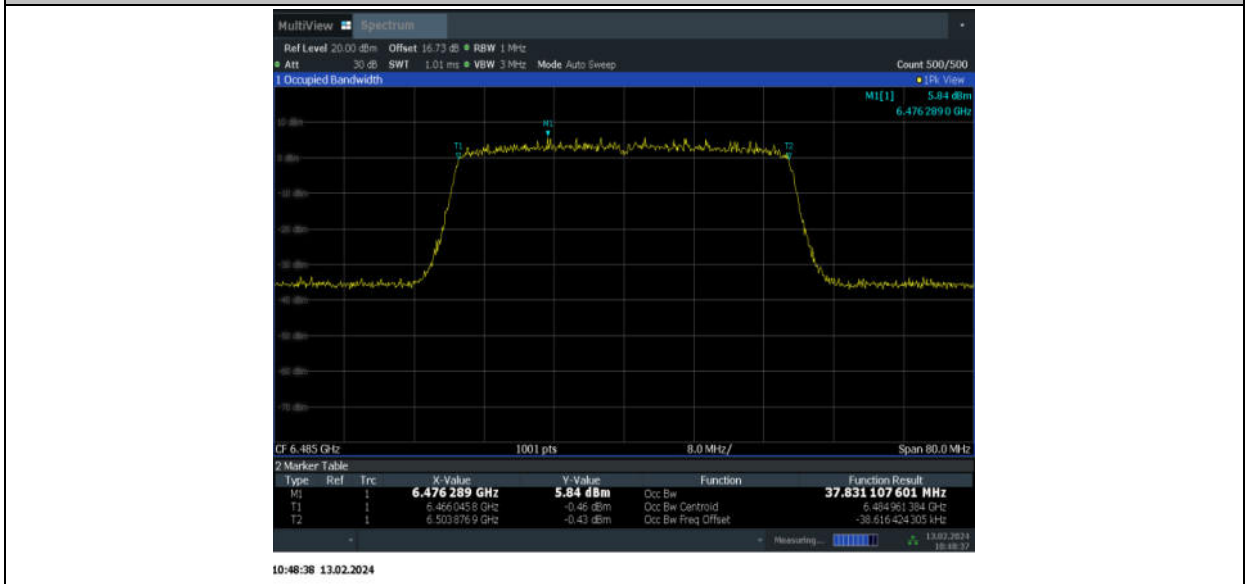
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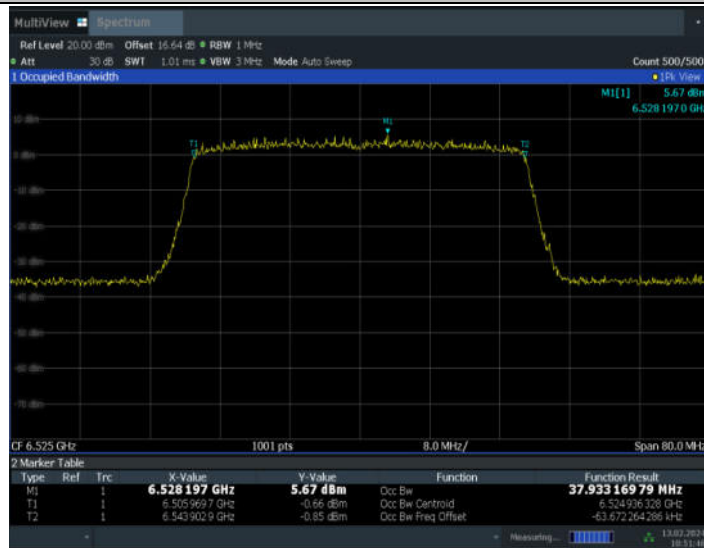
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11AX40SISO\_Ant7\_6485

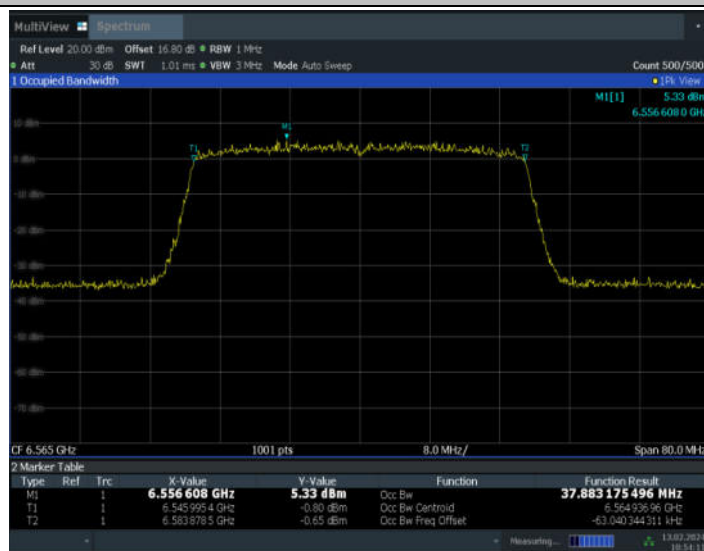


11AX40SISO\_Ant7\_6525



10:51:46 13.02.2024

11AX40SISO\_Ant7\_6565



10:54:12 13.02.2024

11AX40SISO\_Ant7\_6685



11AX40SISO\_Ant7\_6845



11AX40SISO\_Ant7\_6885

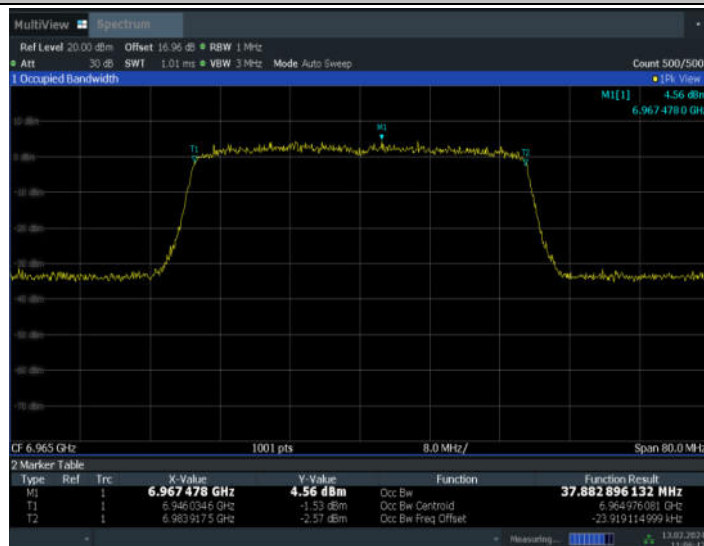




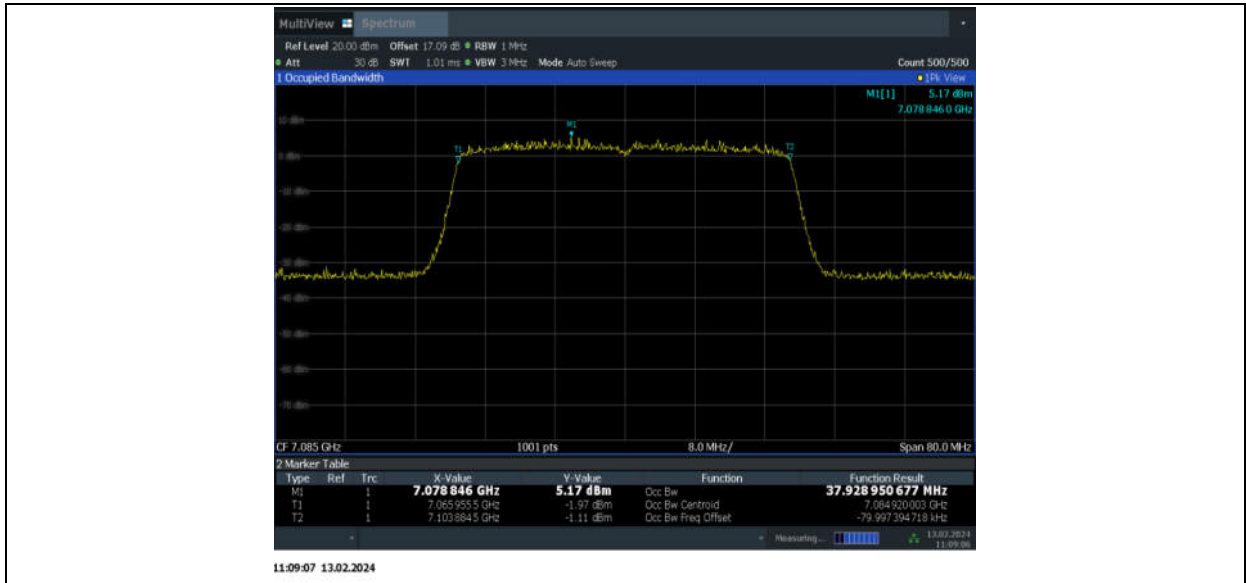
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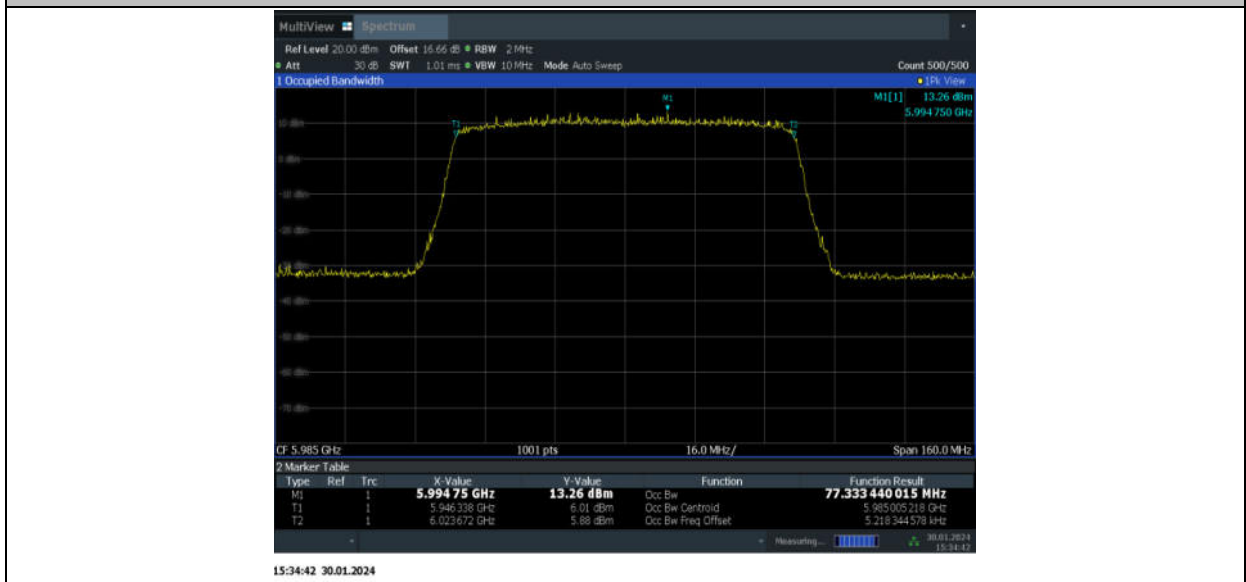
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11AX40SISO\_Ant7\_7085



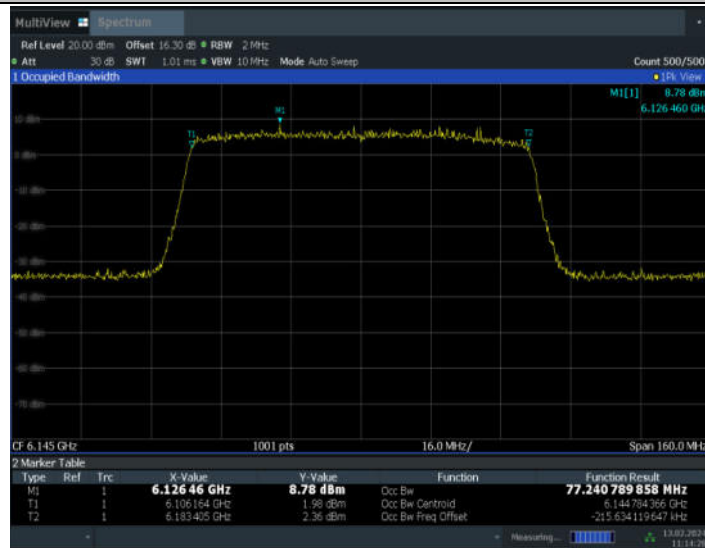
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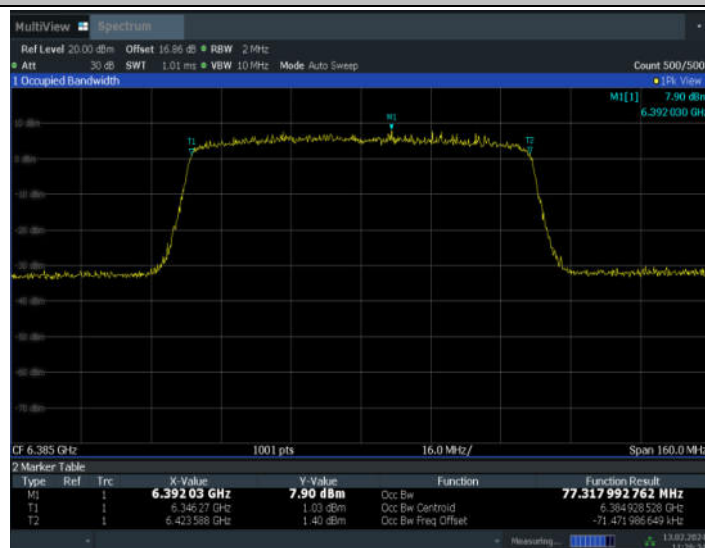
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## 11AX80SISO\_Ant7\_6145



## 11AX80SISO\_Ant7\_6385



## 11AX80SISO\_Ant7\_6465



11AX80SISO\_Ant7\_6545



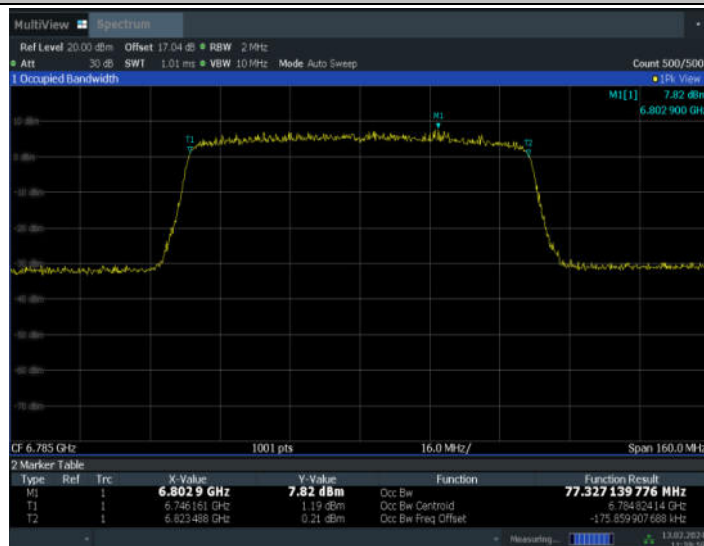
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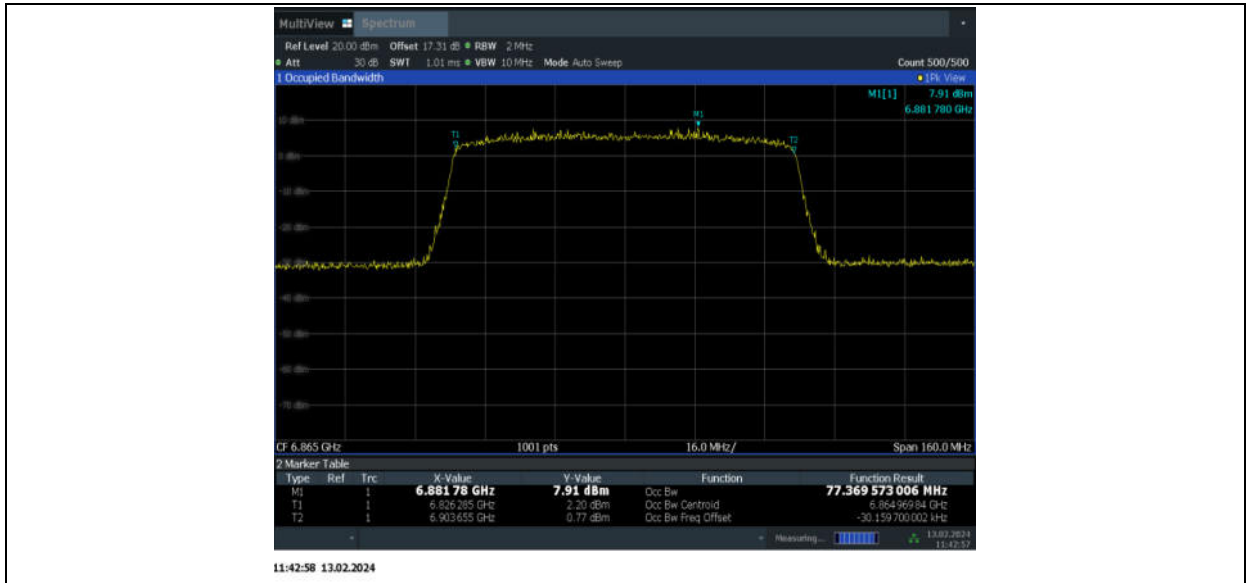
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11AX80SISO\_Ant7\_6785



11AX80SISO\_Ant7\_6865



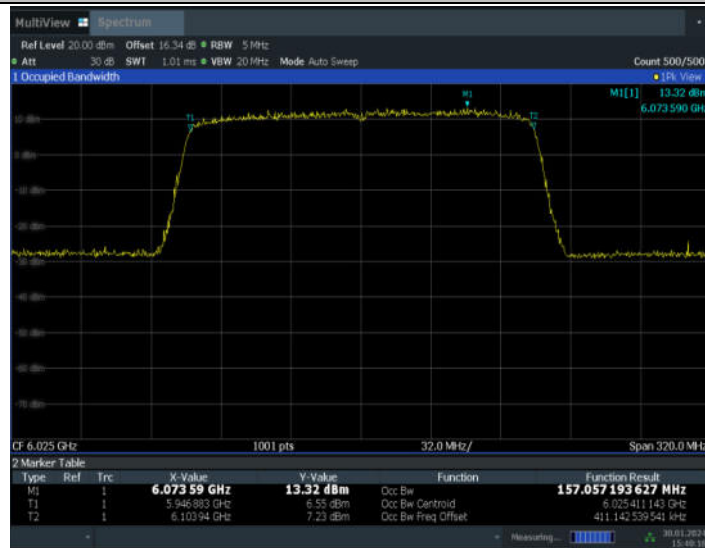
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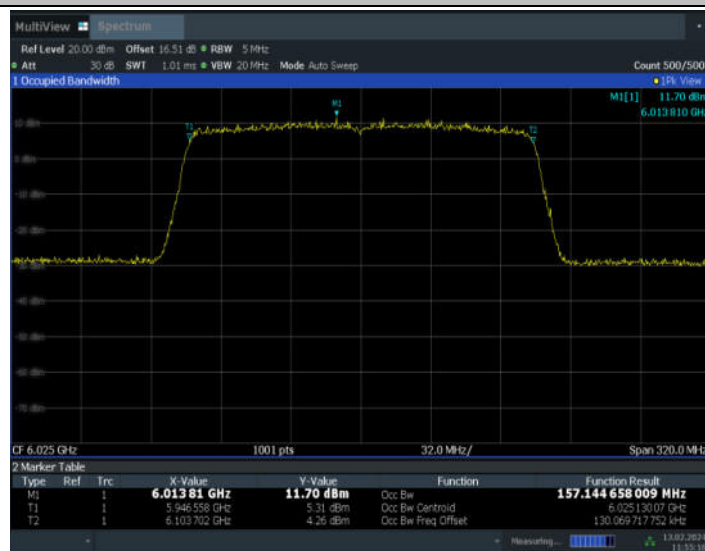
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## 11AX160SISO\_Ant10\_6025



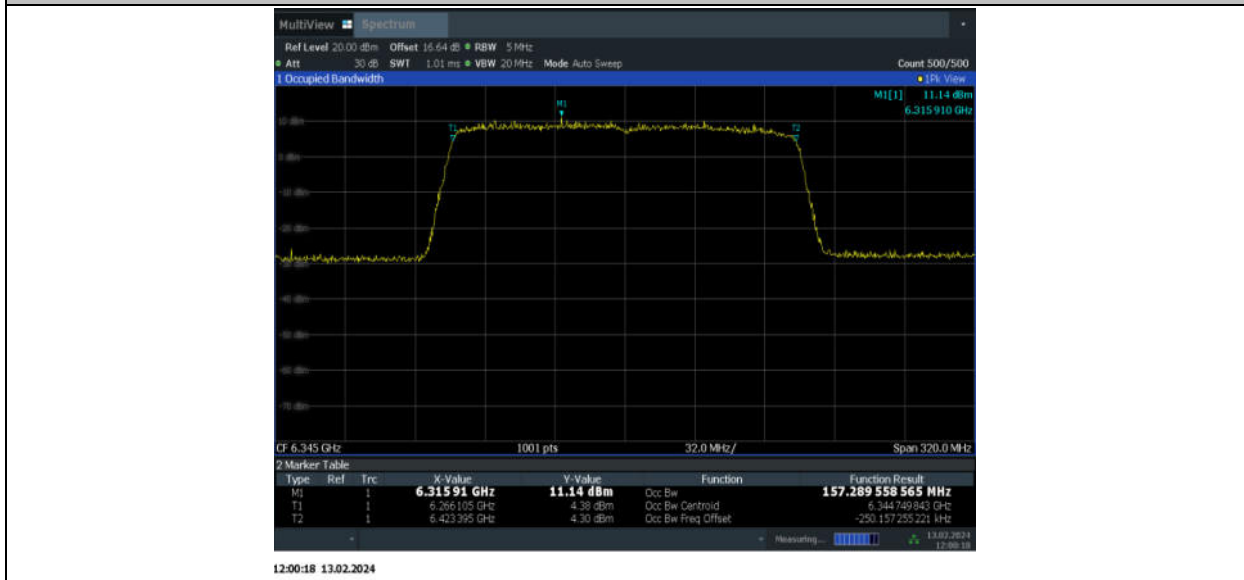
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## 11AX160SISO\_Ant7\_6185



11AX160SISO\_Ant7\_6345

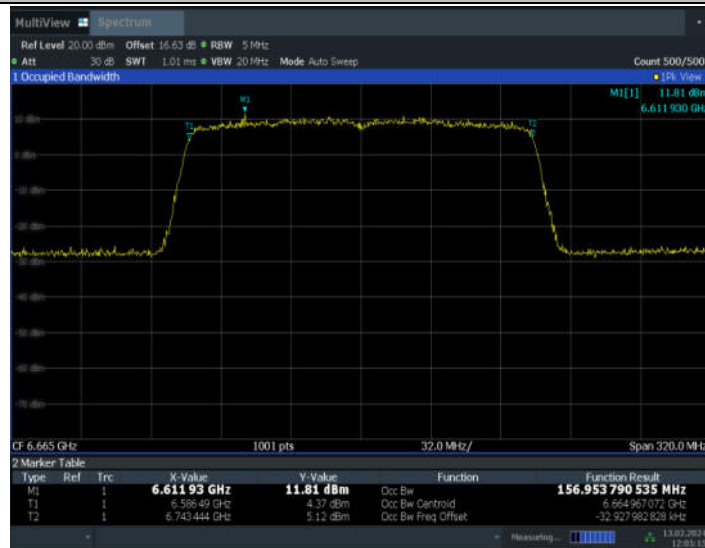


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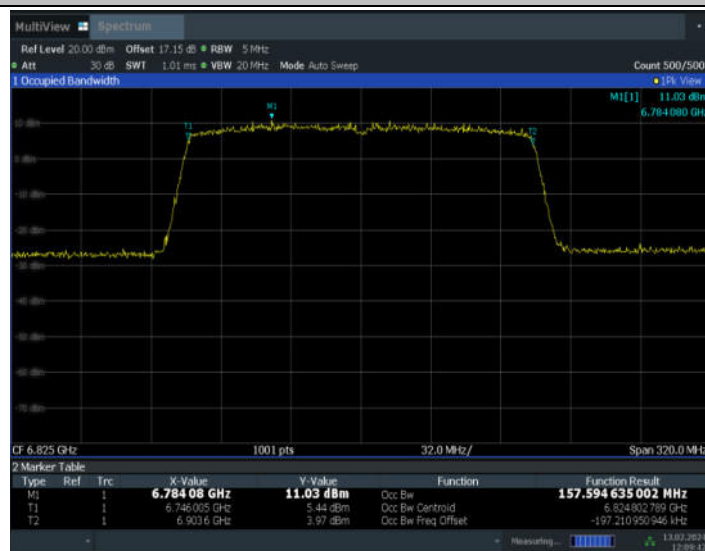


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12:05:16 13.02.2024

11AX160SISO\_Ant7\_6825



12:09:42 13.02.2024

11AX160SISO\_Ant7\_6985



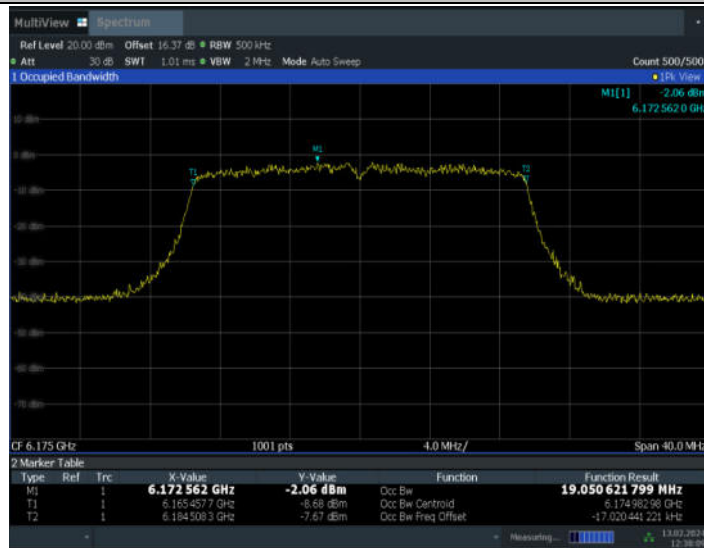
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11AX20MIMO\_Ant7\_5955

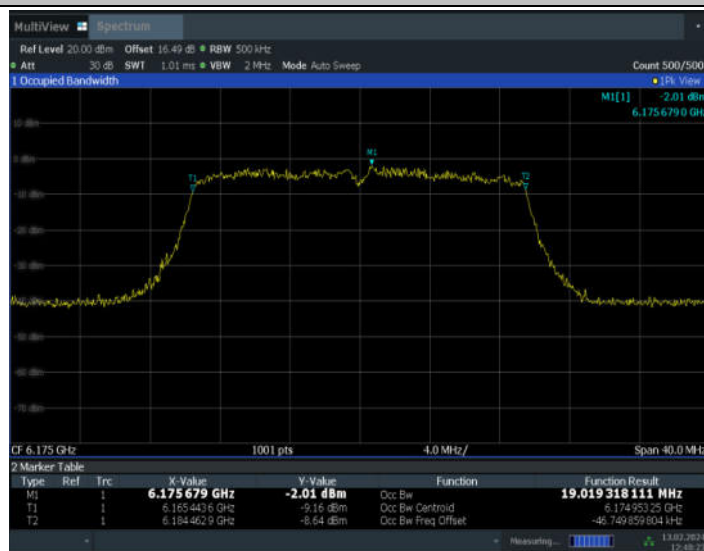


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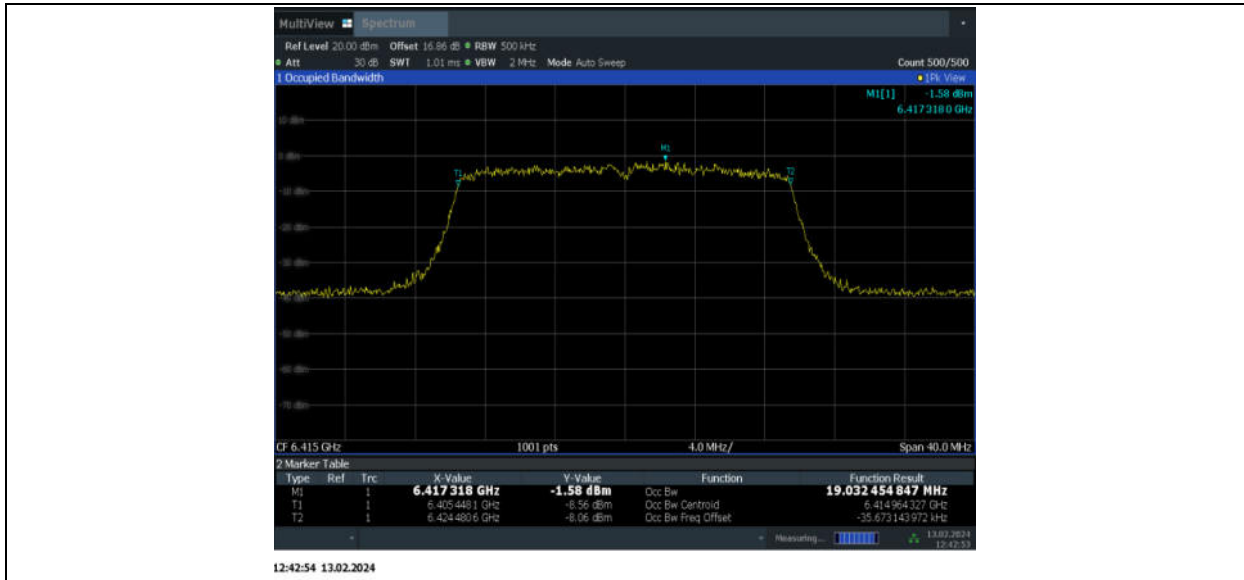
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12:40:24 13.02.2024

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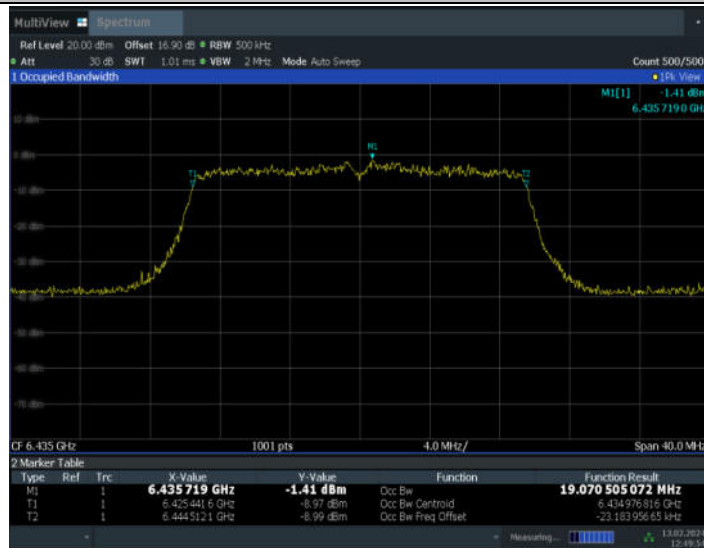
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11AX20MIMO\_Ant10\_6435



11AX20MIMO\_Ant7\_6435



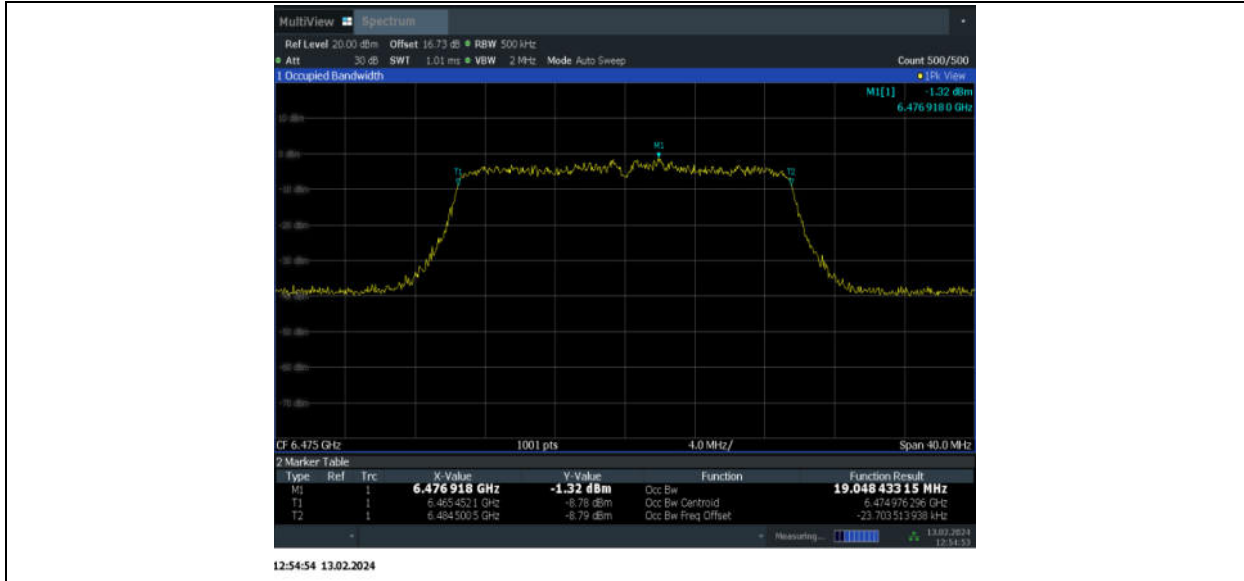
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12:52:41 13.02.2024

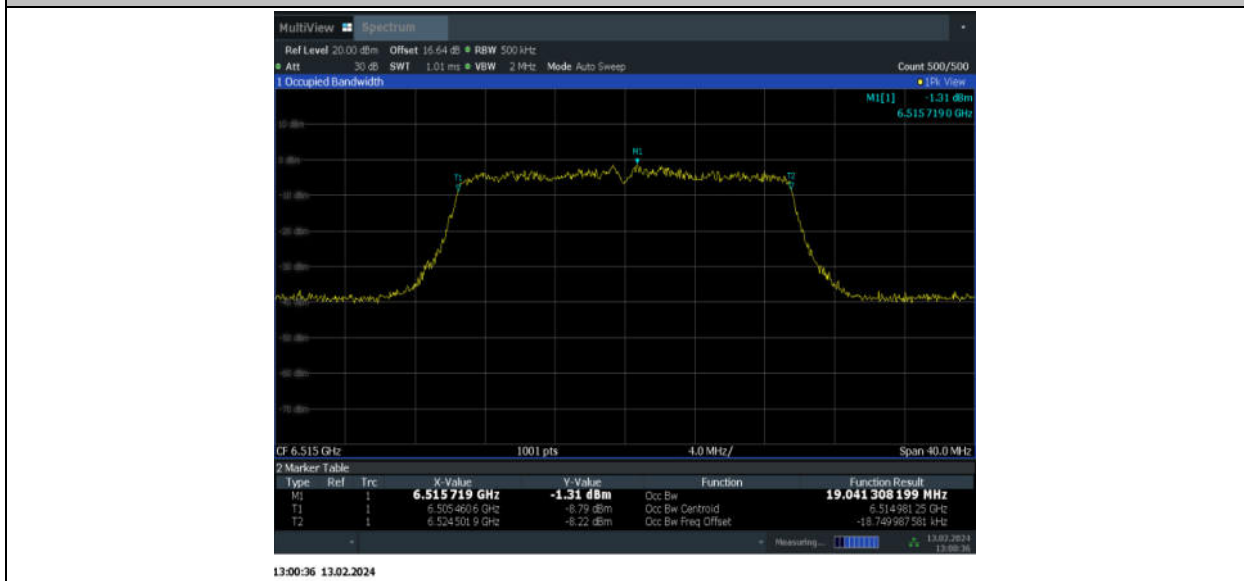
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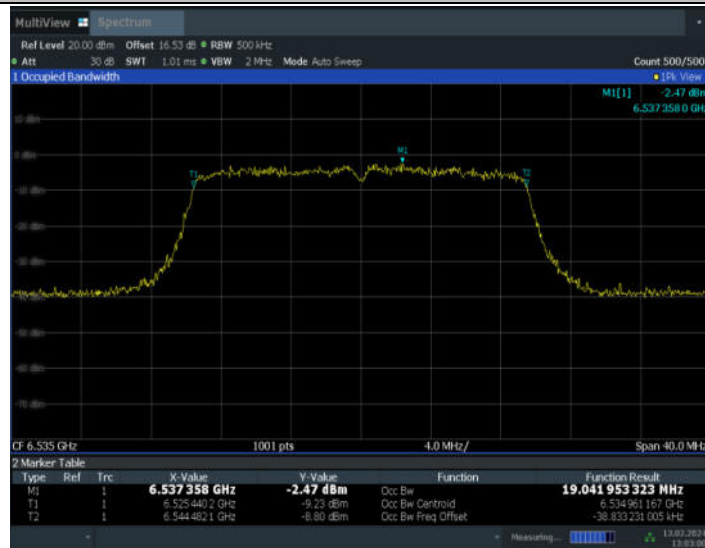
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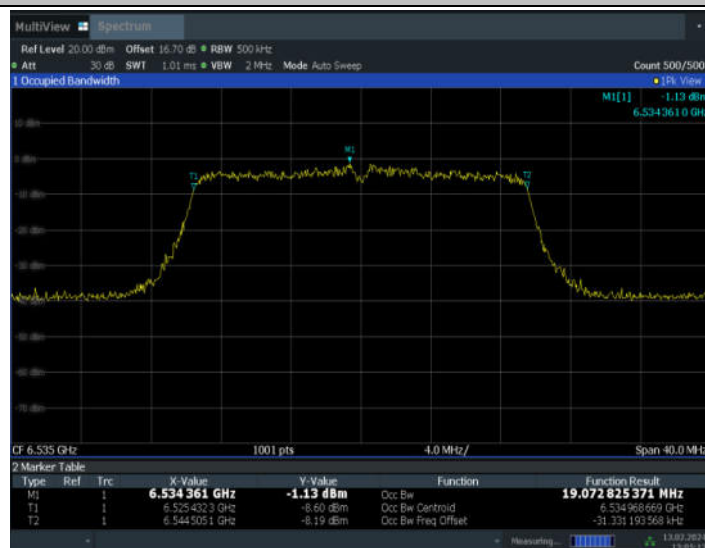
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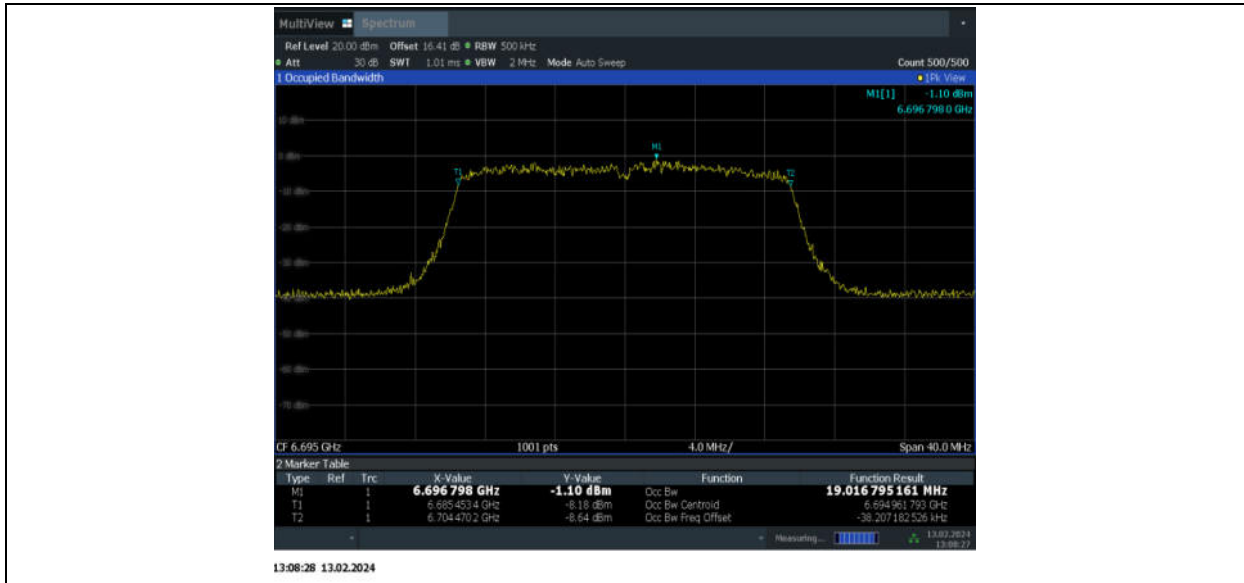
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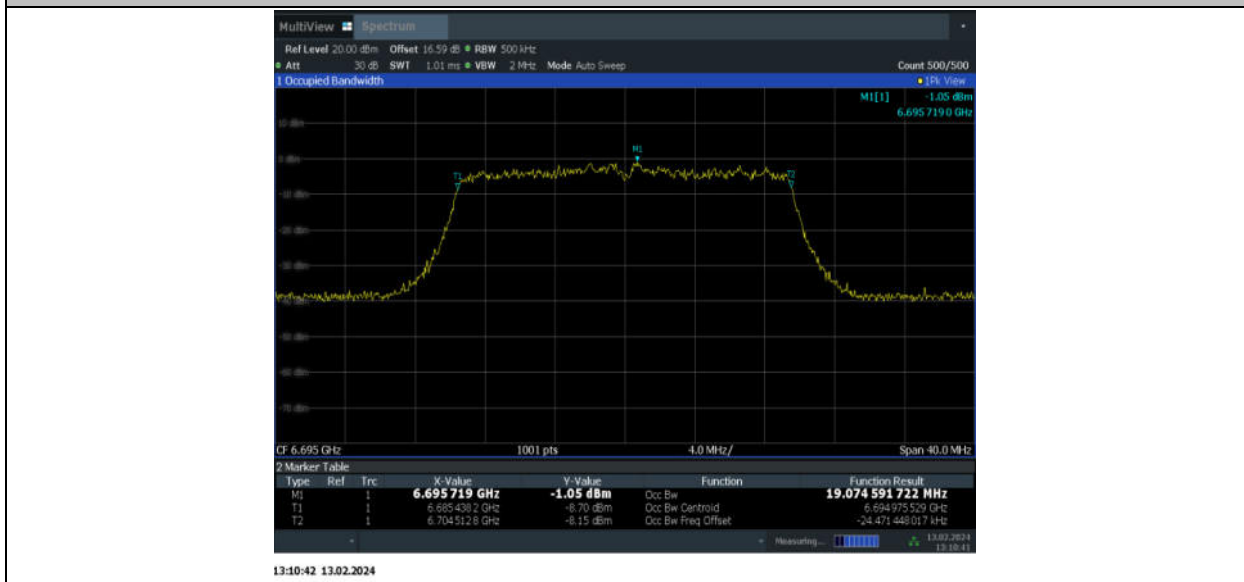
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11AX20MIMO\_Ant10\_6695



11AX20MIMO\_Ant7\_6695



11AX20MIMO\_Ant10\_6855



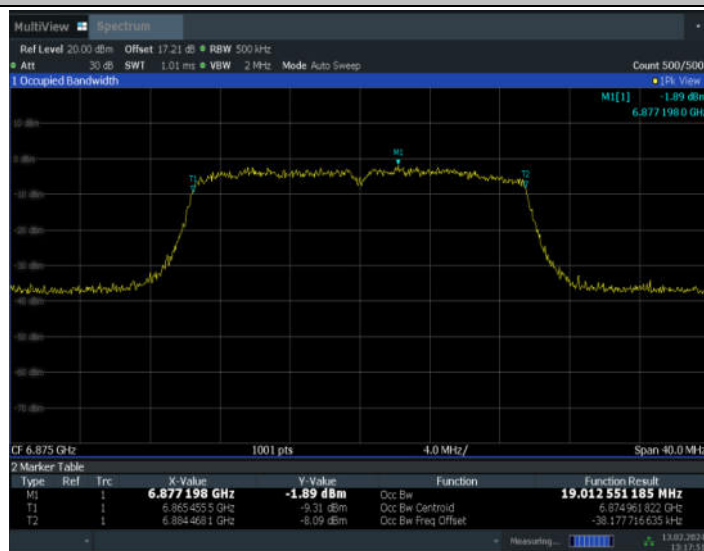


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13:15:25 13.02.2024

## 11AX20MIMO\_Ant10\_6875

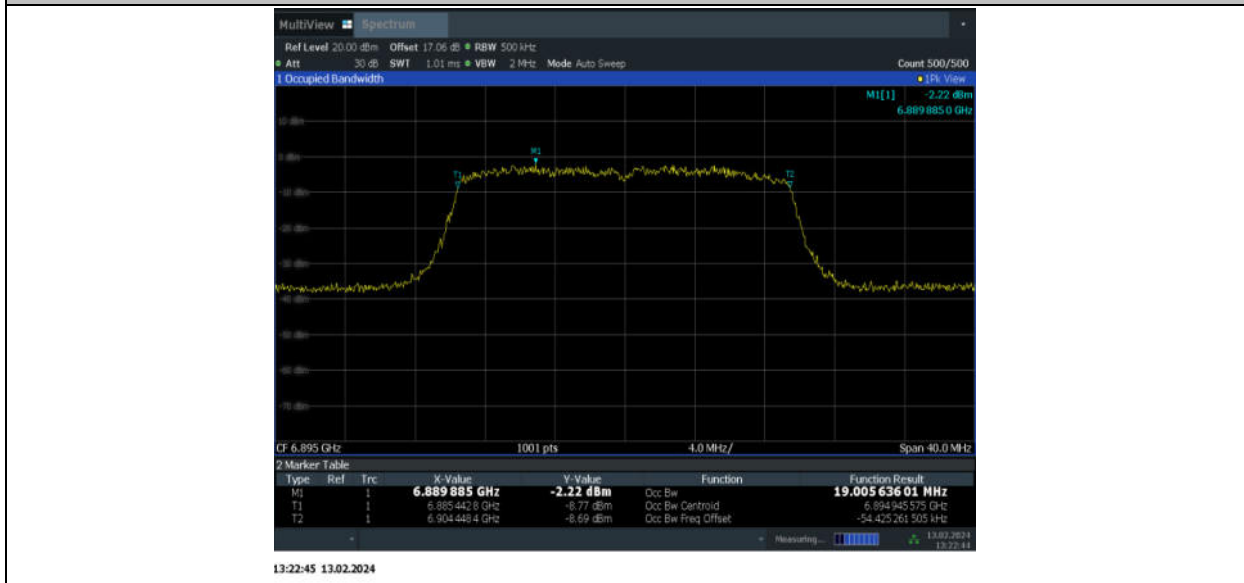


13:17:52 13.02.2024

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11AX20MIMO\_Ant10\_6895



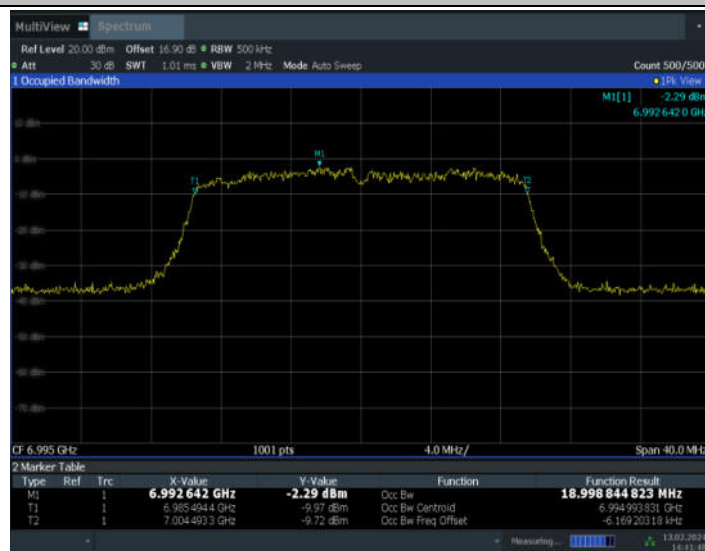
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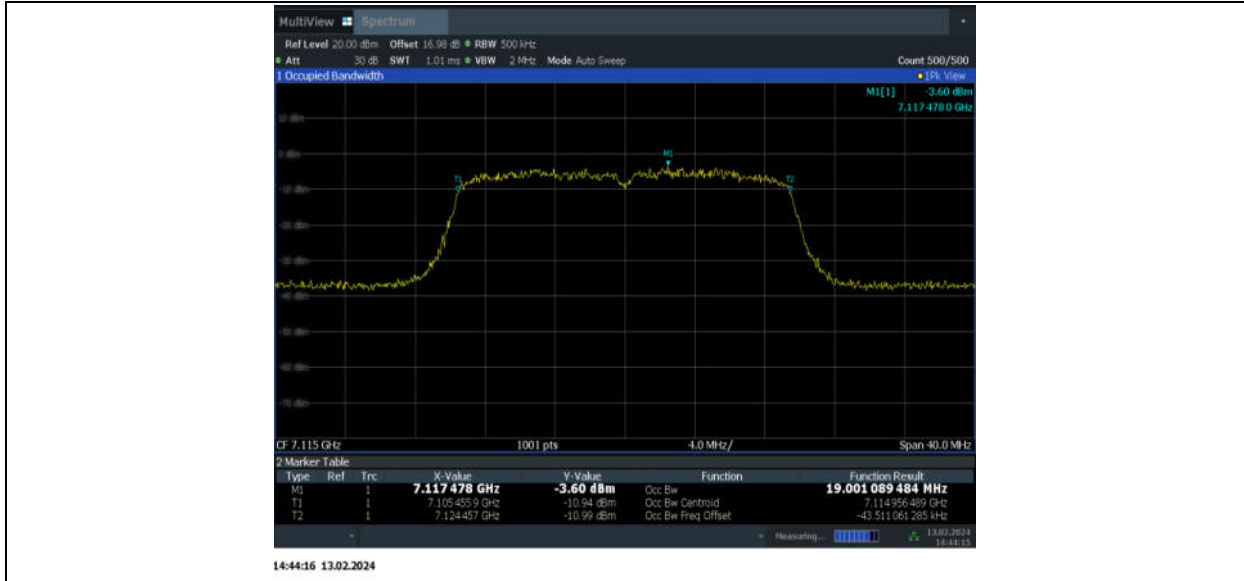
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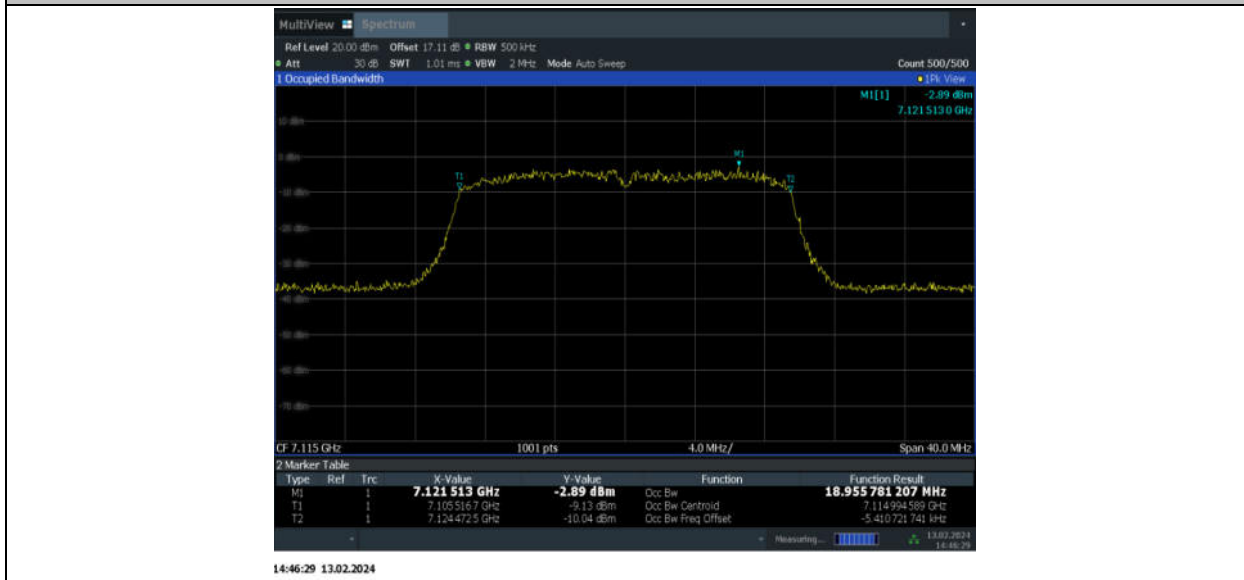
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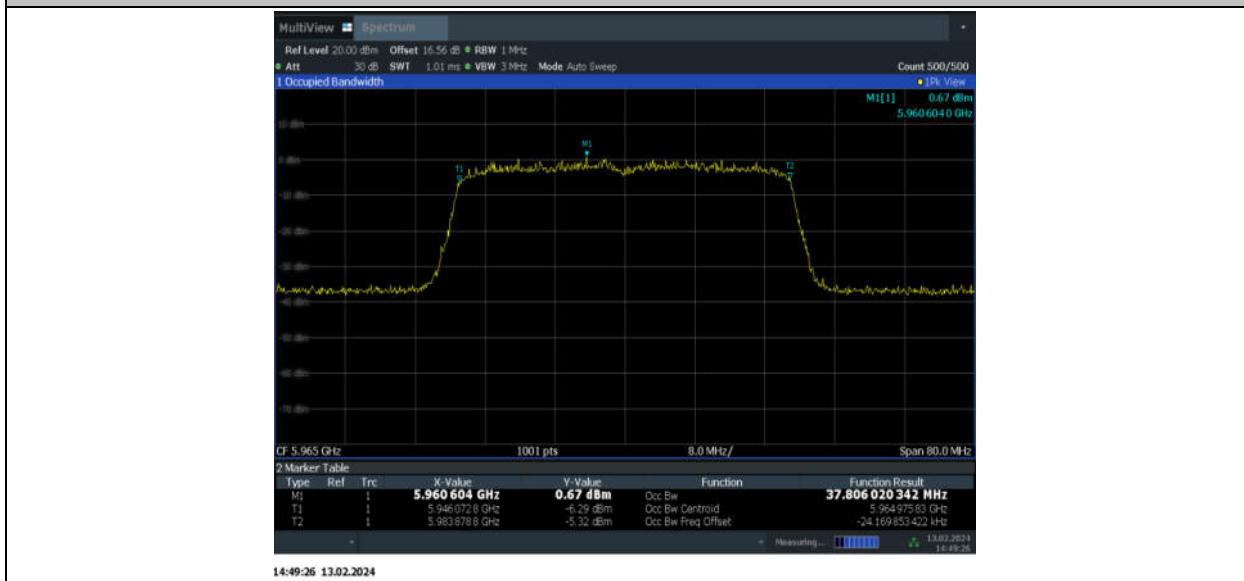
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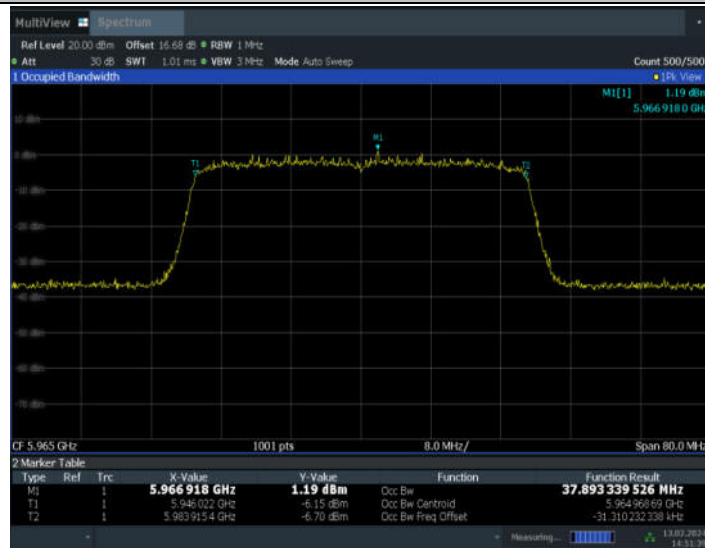
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11AX40MIMO\_Ant10\_5965

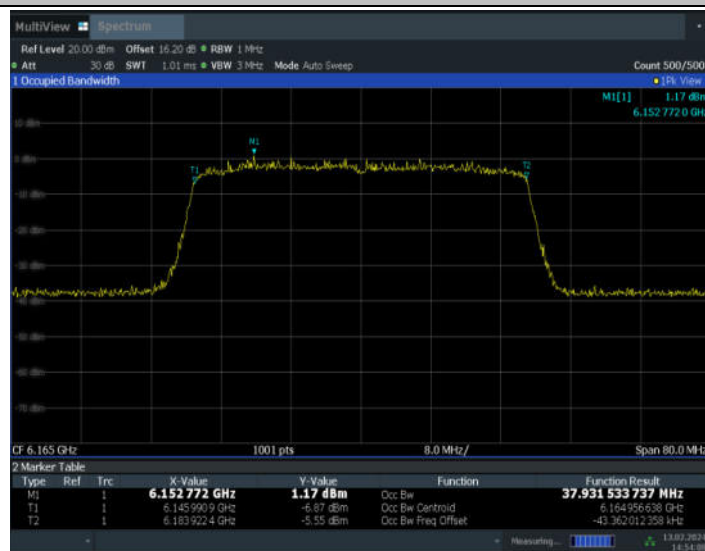


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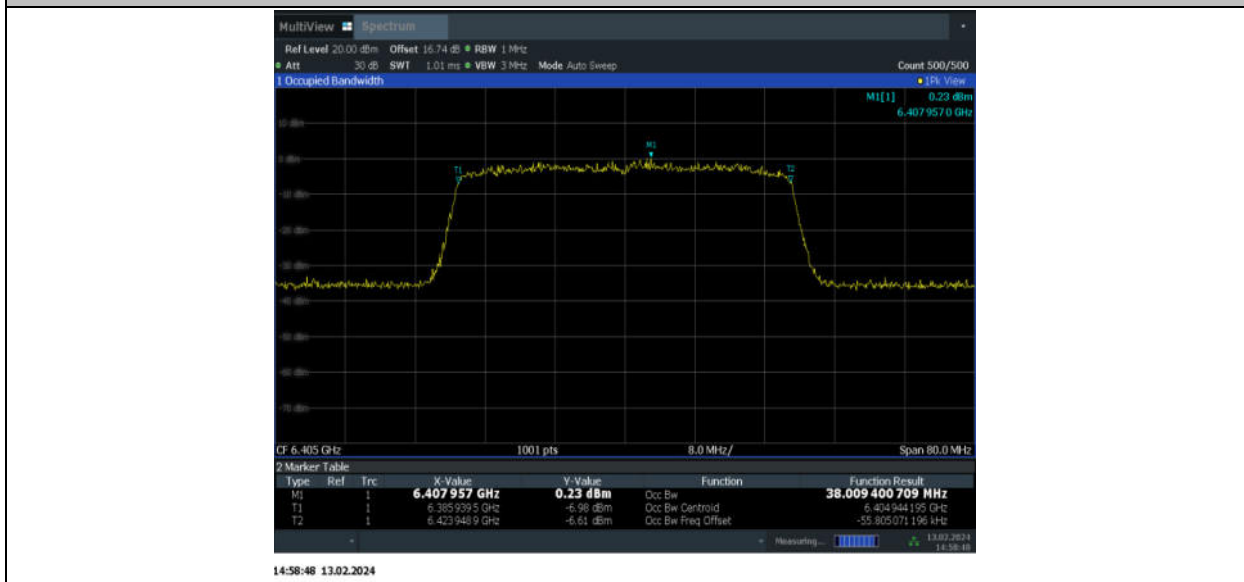


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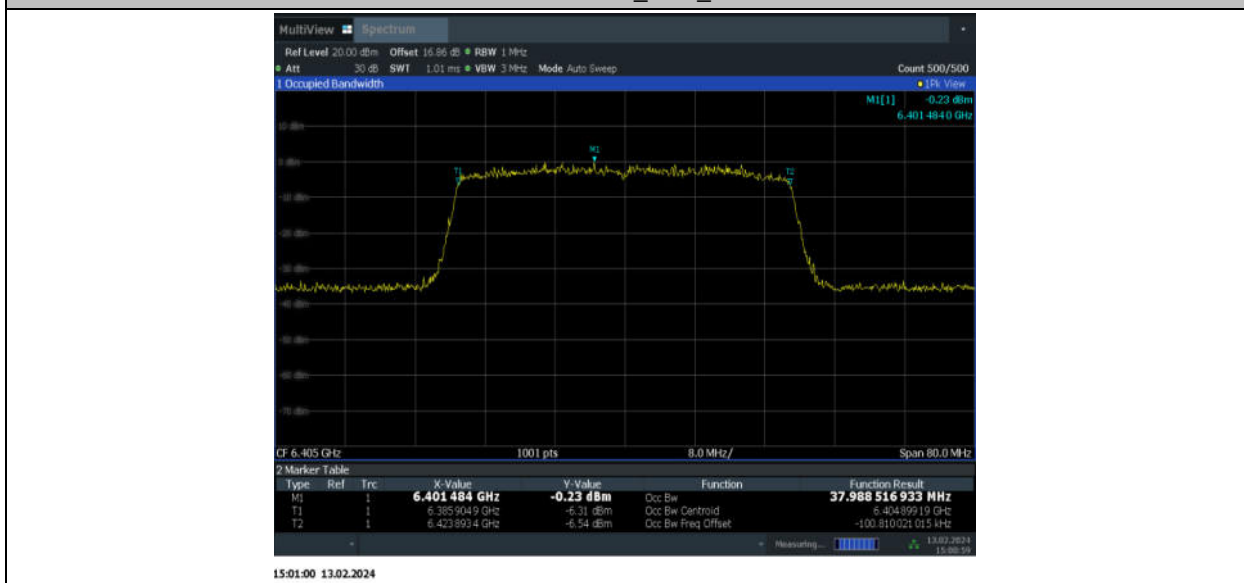
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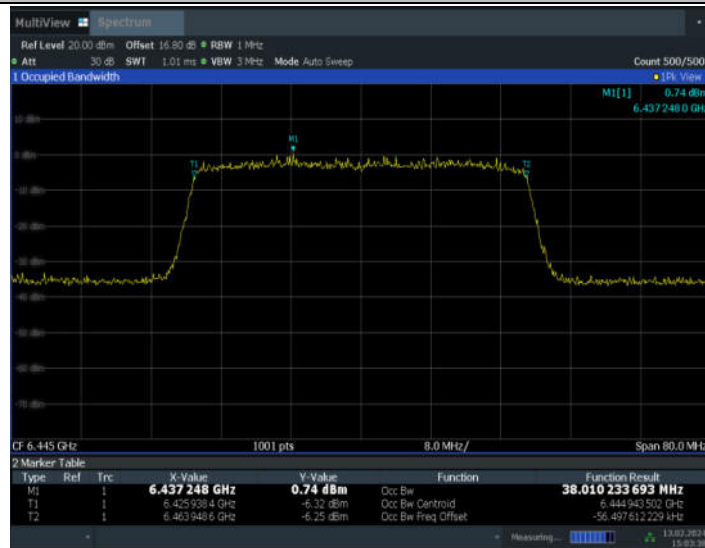
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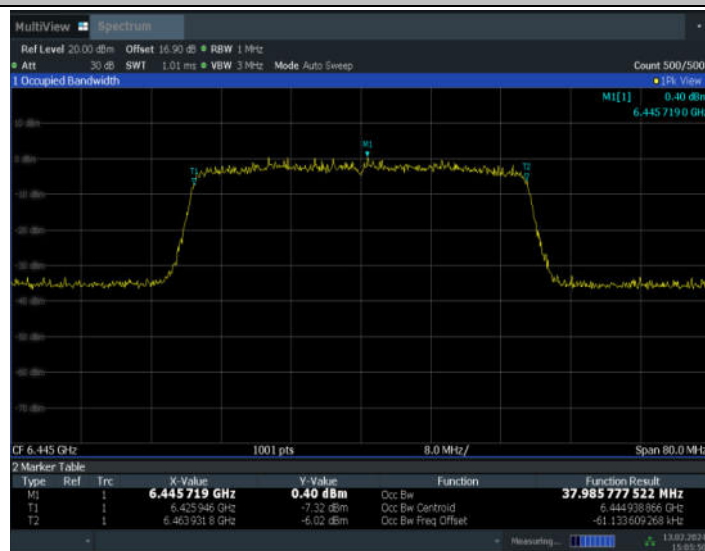


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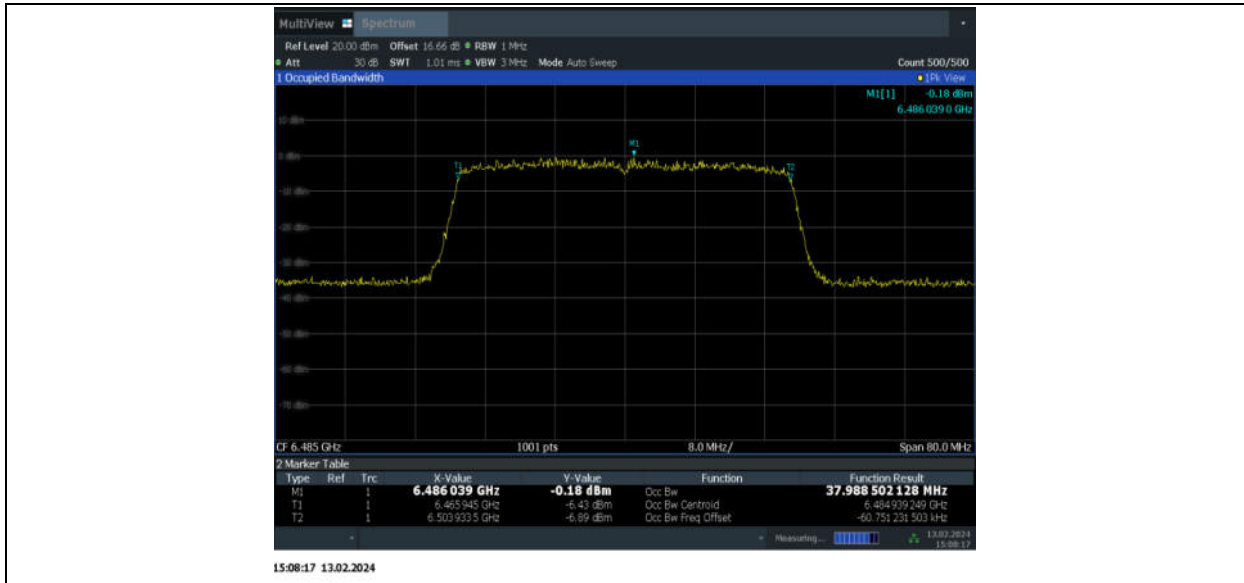
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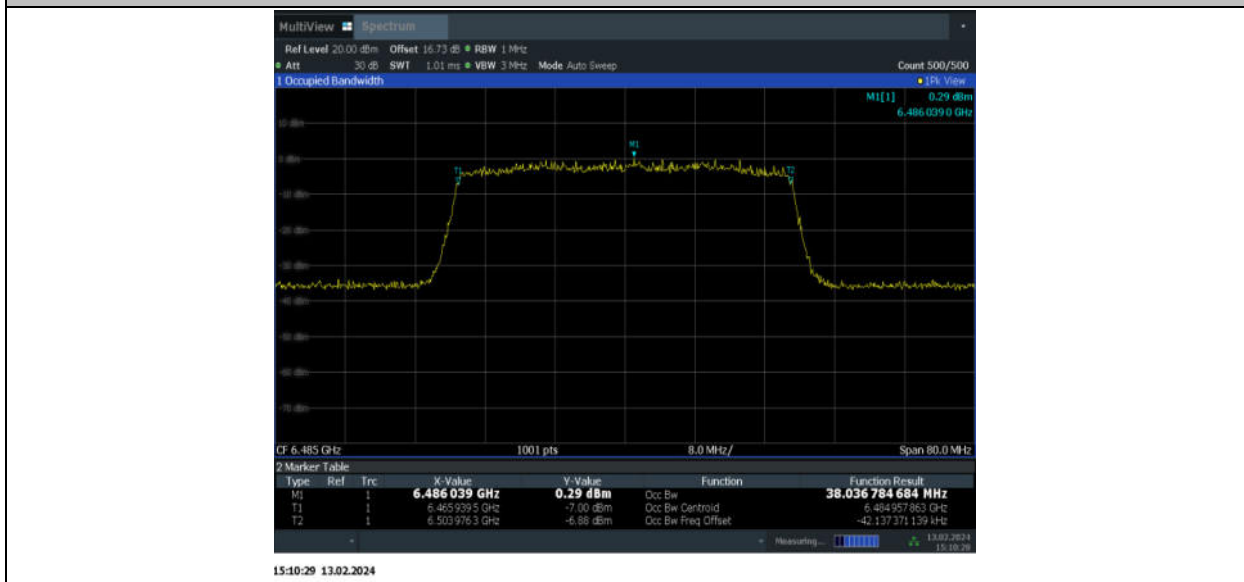


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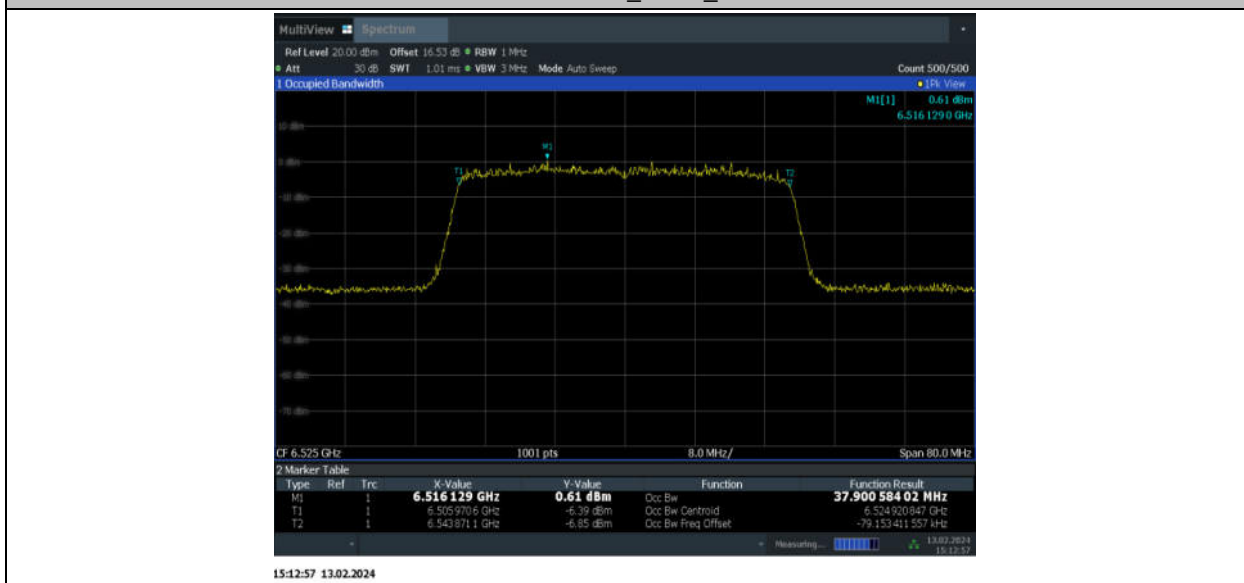
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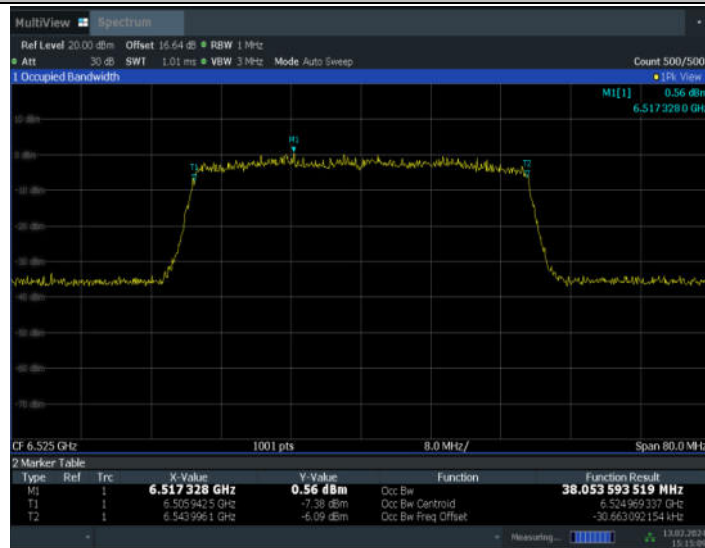


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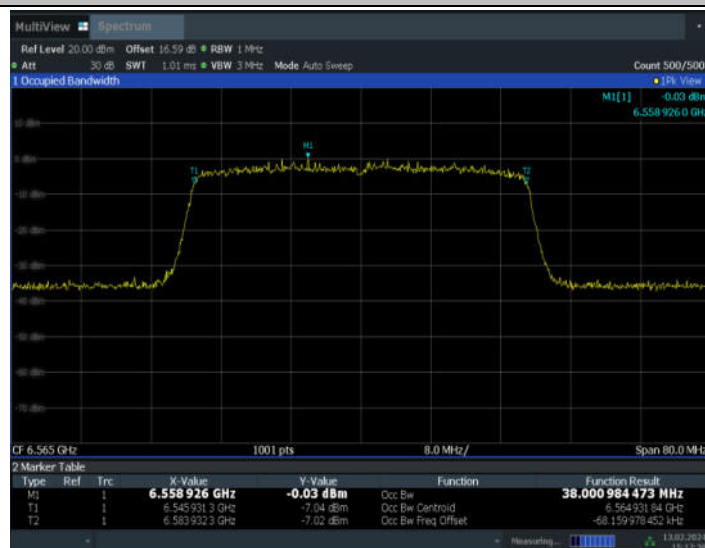




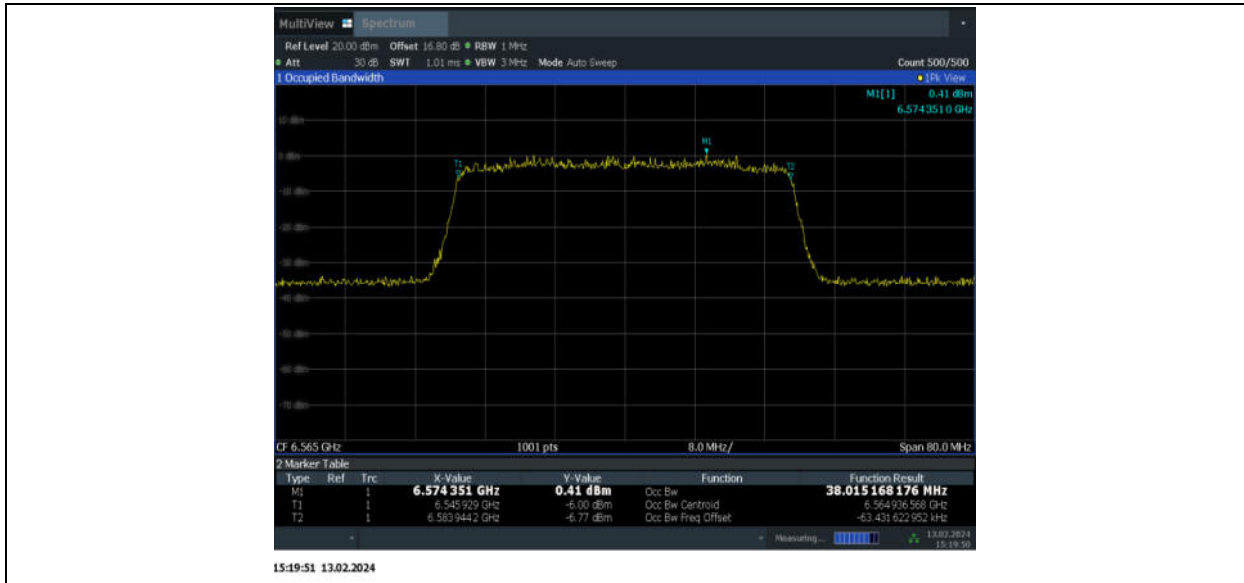
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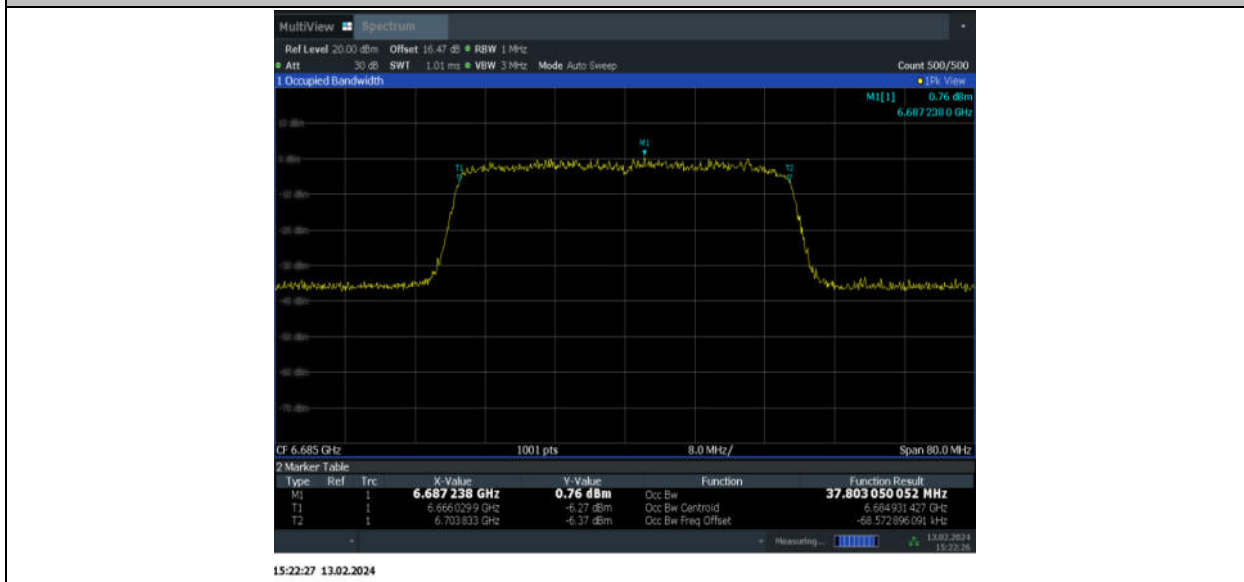
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11AX40MIMO\_Ant7\_6565



11AX40MIMO\_Ant10\_6685



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11AX40MIMO\_Ant10\_6845



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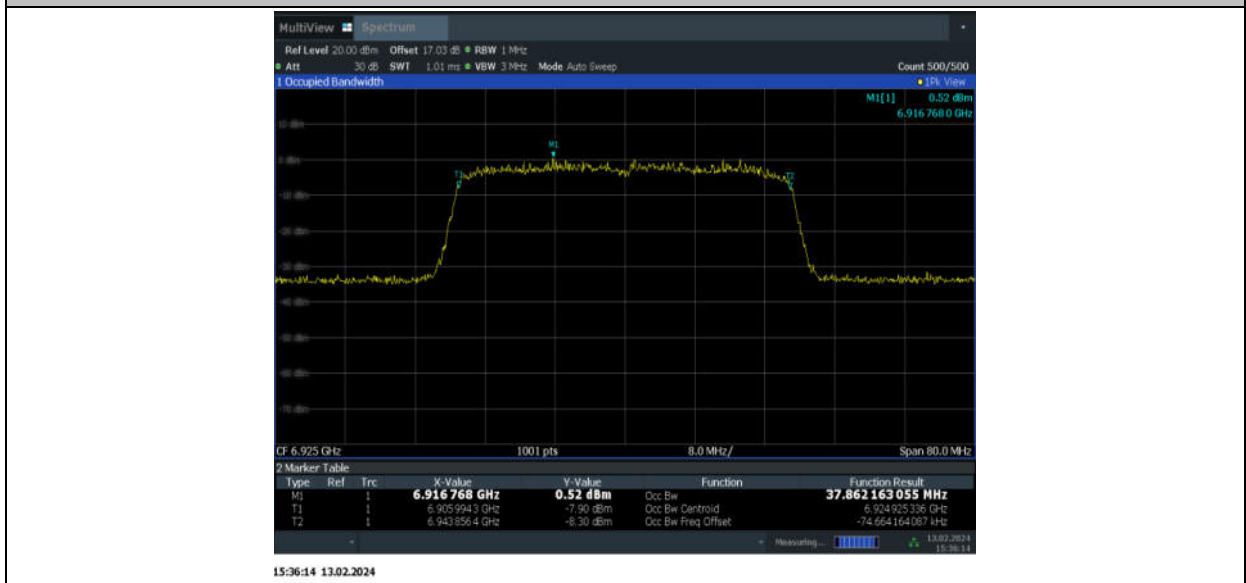
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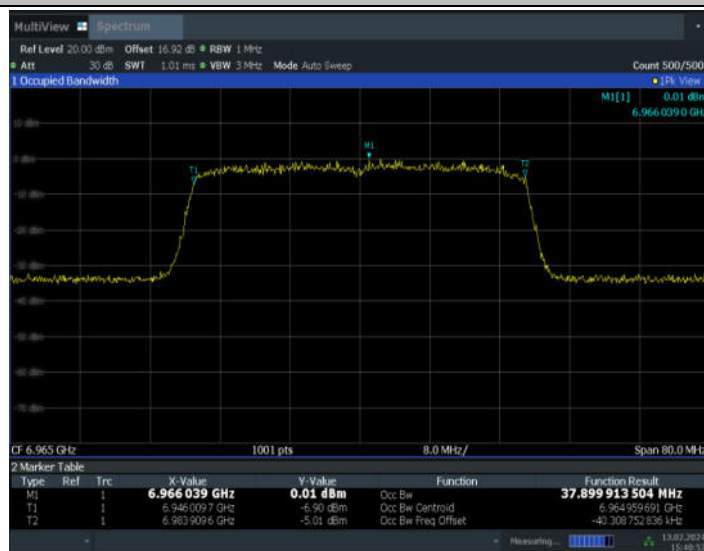


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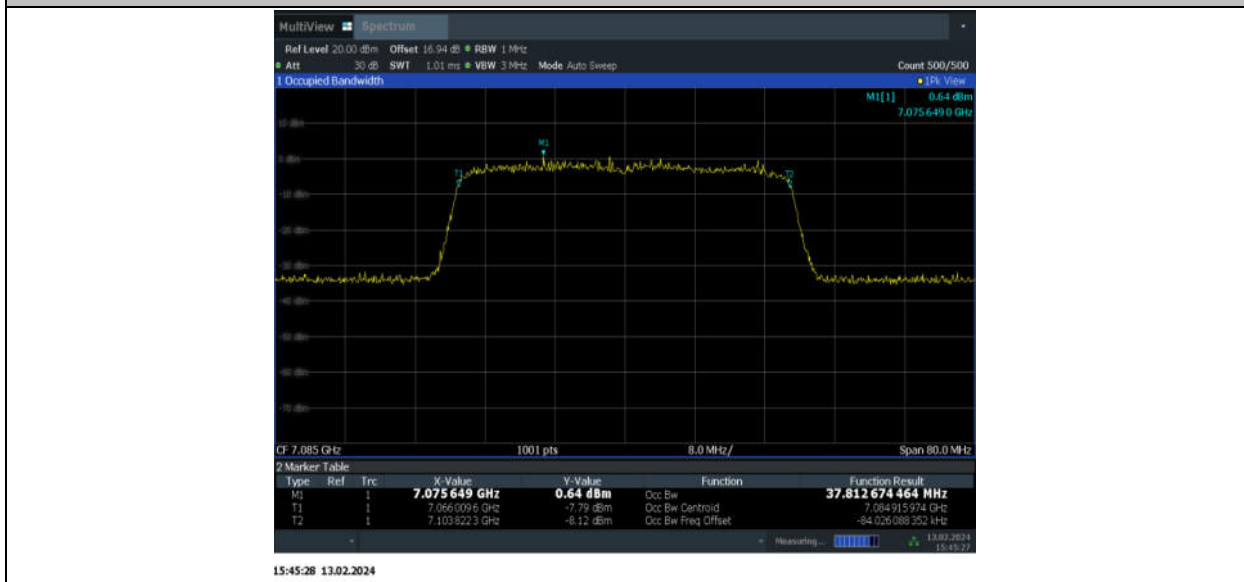


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11AX40MIMO\_Ant10\_7085



11AX40MIMO\_Ant7\_7085



## 11AX80MIMO\_Ant10\_5985



15:50:21 13.02.2024

## 11AX80MIMO\_Ant7\_5985



15:52:34 13.02.2024

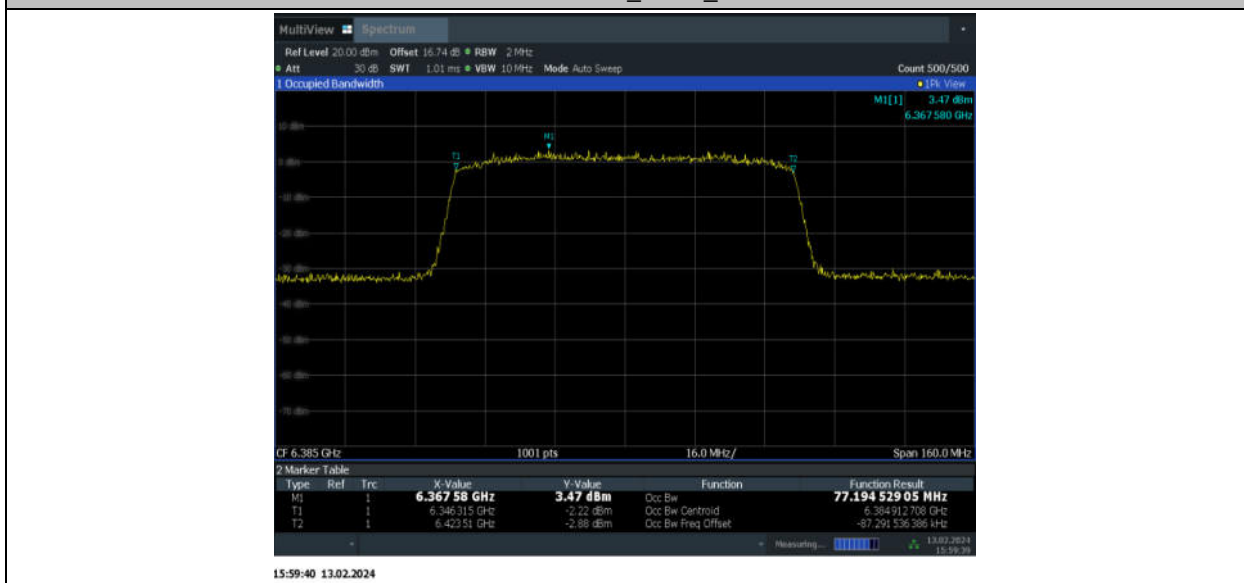
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11AX80MIMO\_Ant7\_6145



11AX80MIMO\_Ant10\_6385





11AX80MIMO\_Ant7\_6385



16:01:51 13.02.2024

11AX80MIMO\_Ant10\_6465



16:04:20 13.02.2024

11AX80MIMO\_Ant7\_6465