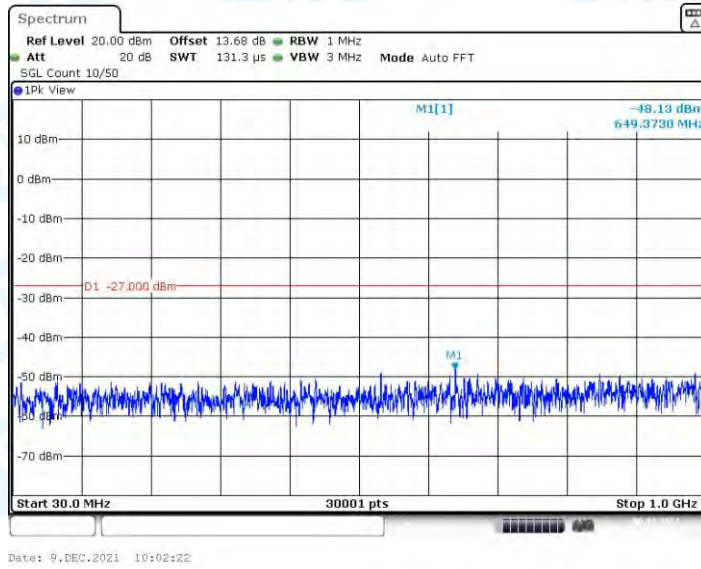
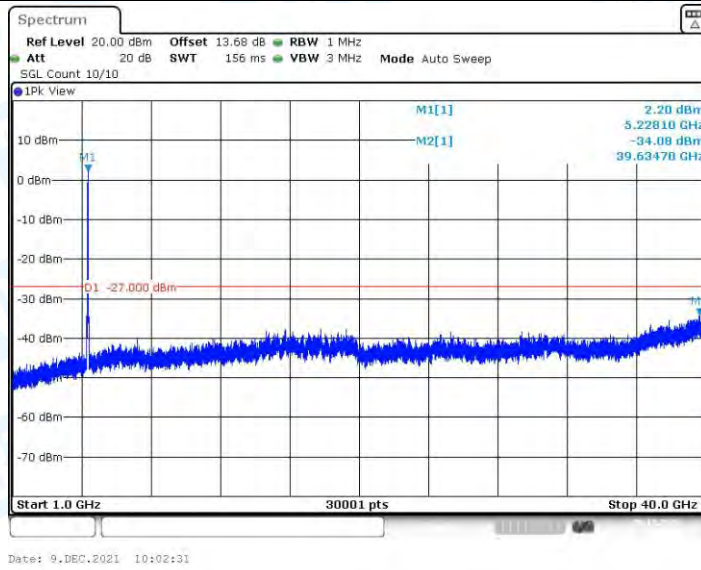


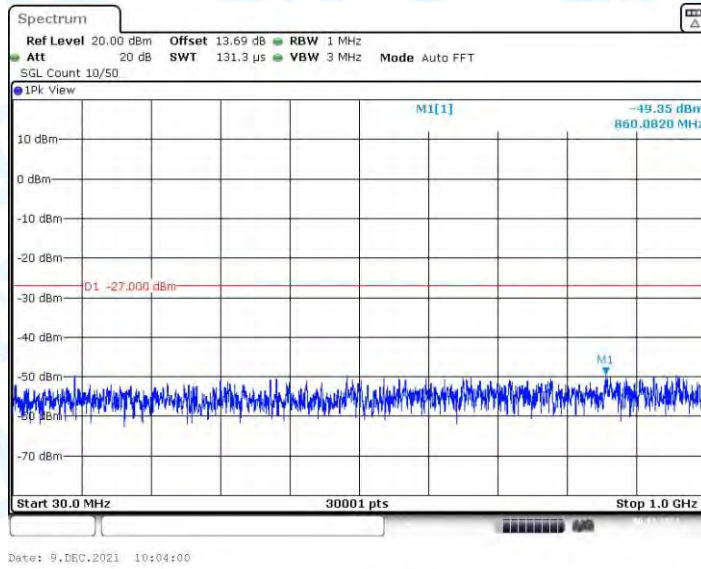
11N40SISO\_Ant1\_5190\_1000~40000



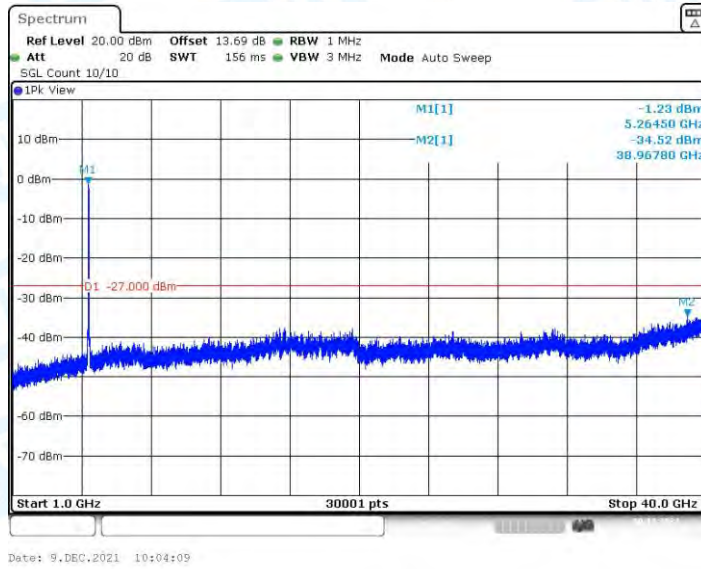
11N40SISO\_Ant1\_5230\_30~1000



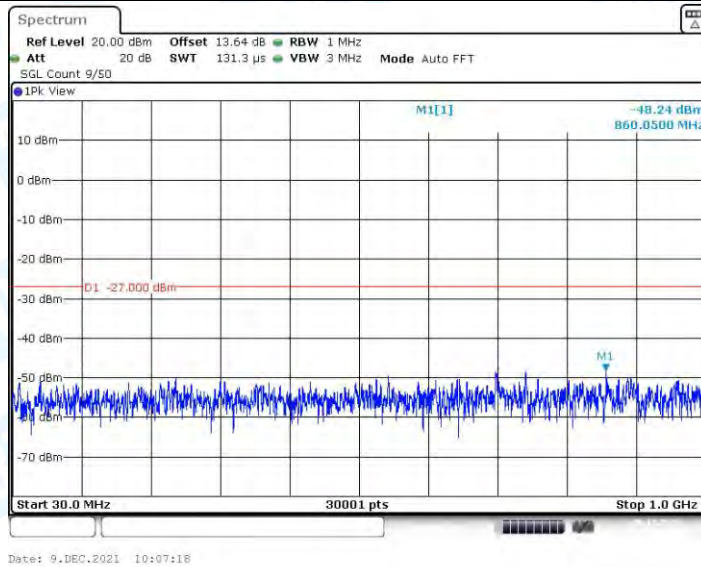
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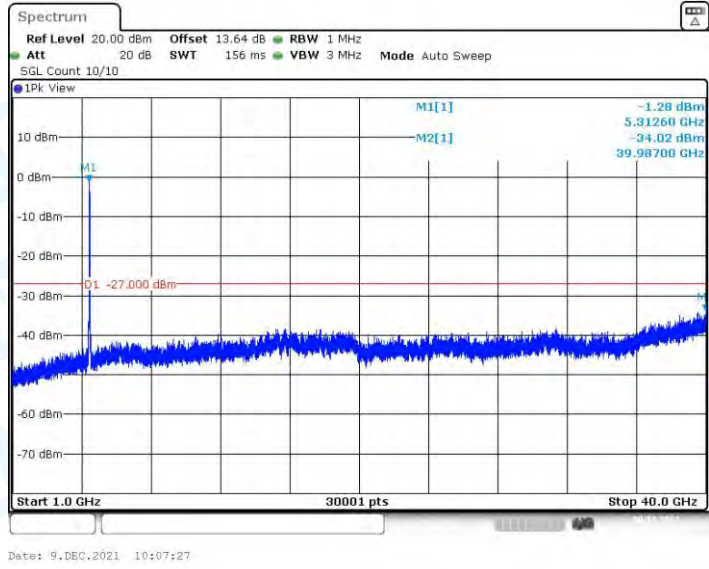
11N40SISO\_Ant1\_5270\_30~1000



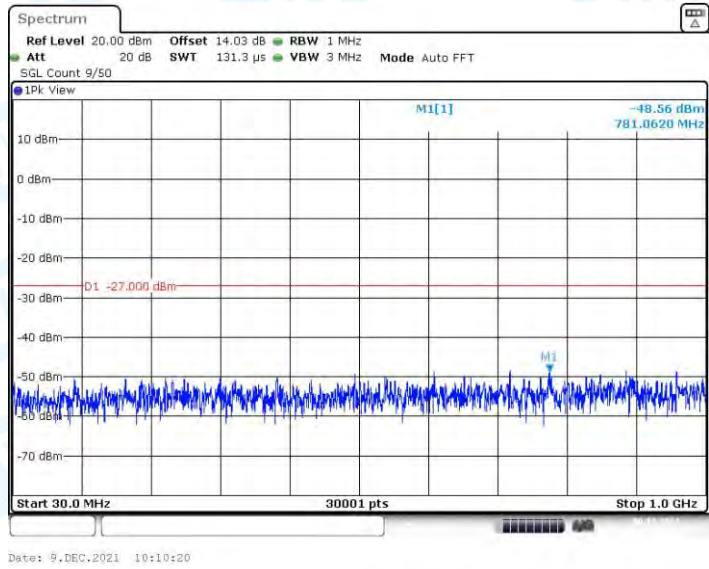
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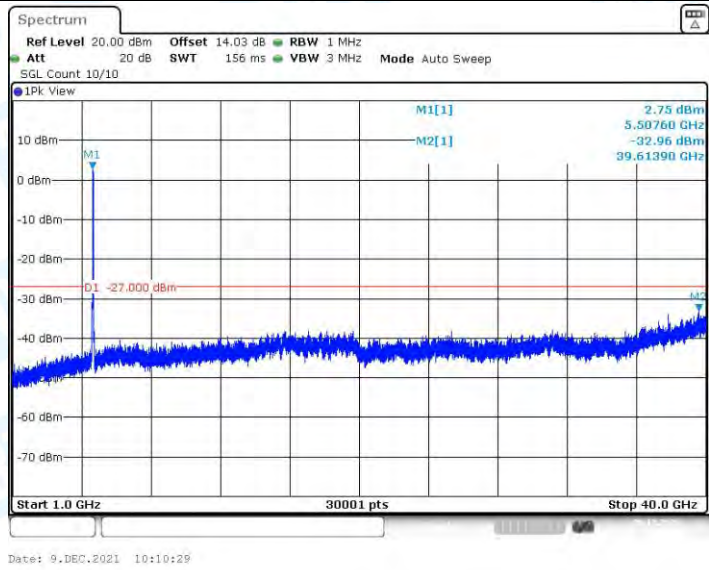
11N40SISO\_Ant1\_5310\_30~1000



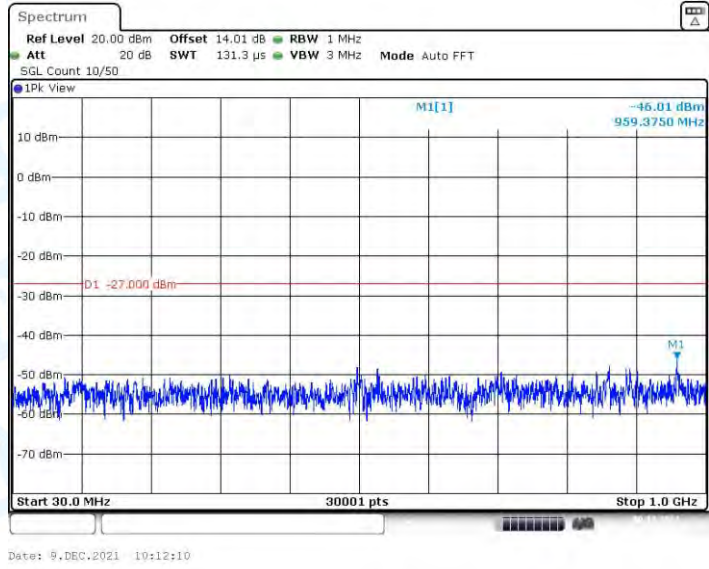
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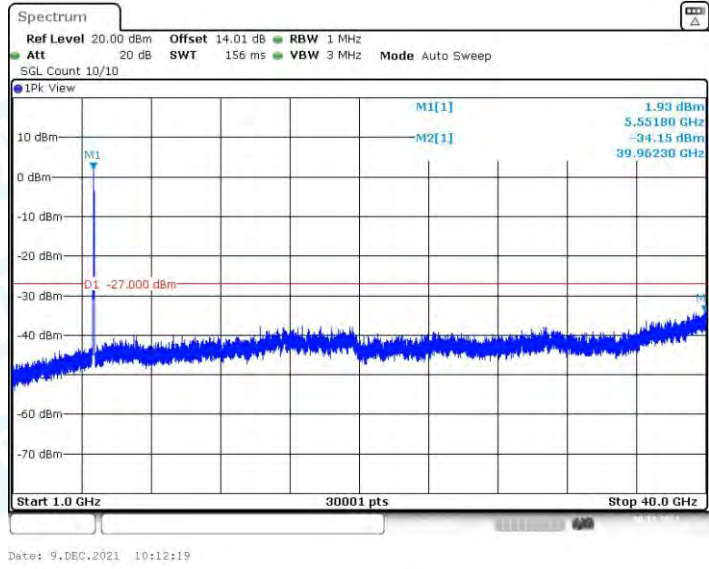
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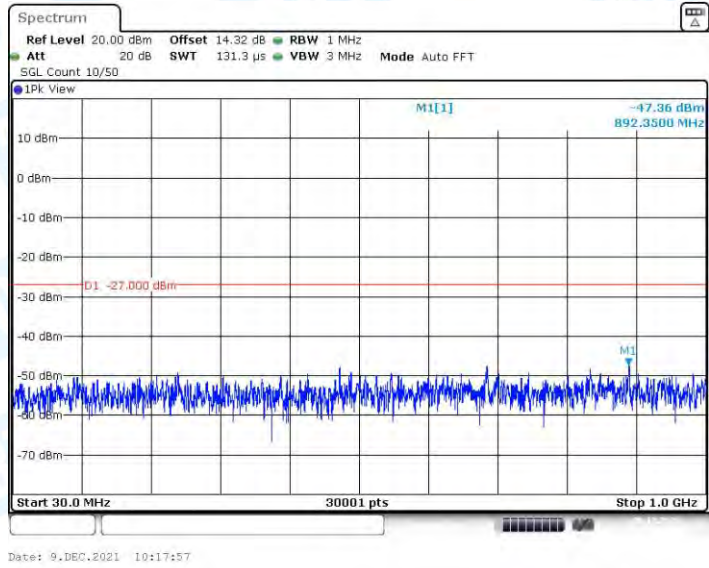
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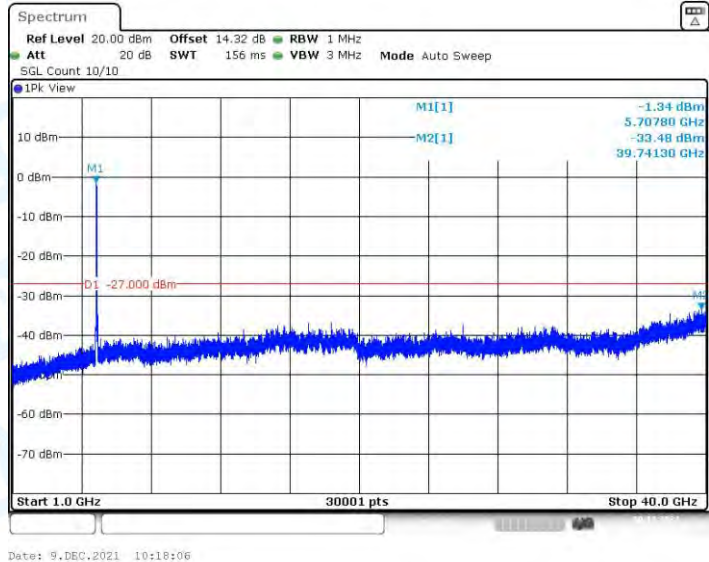
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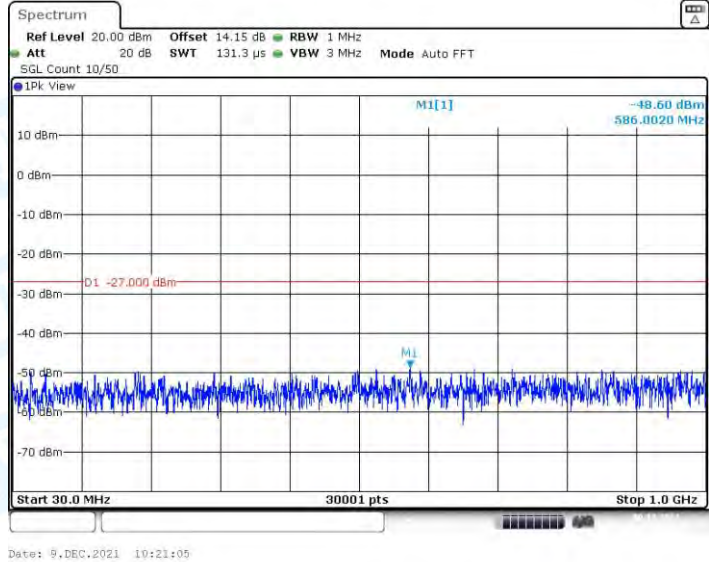
11N40SISO\_Ant1\_5550\_1000~40000



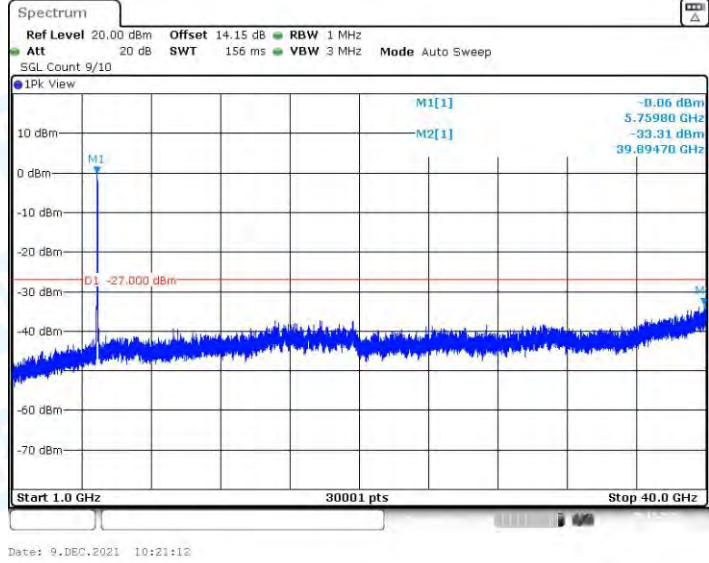
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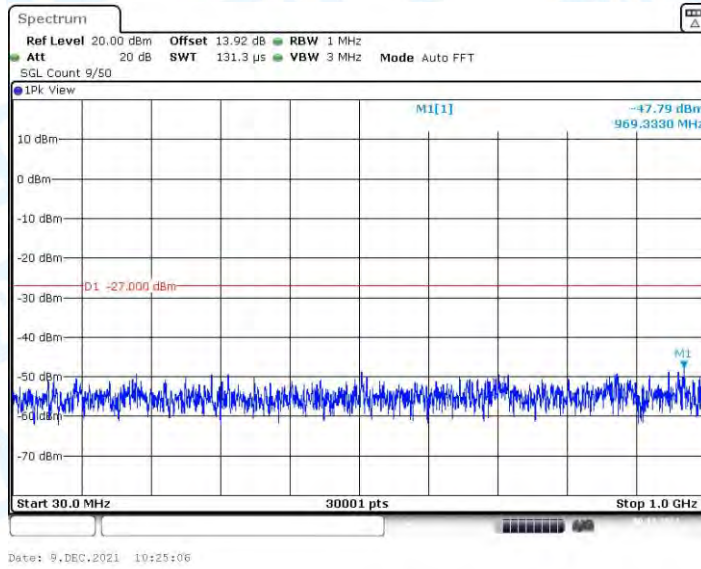
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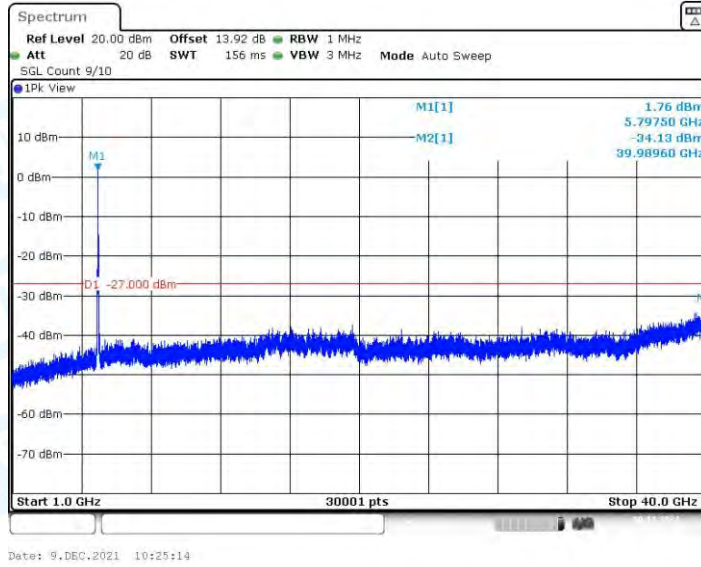
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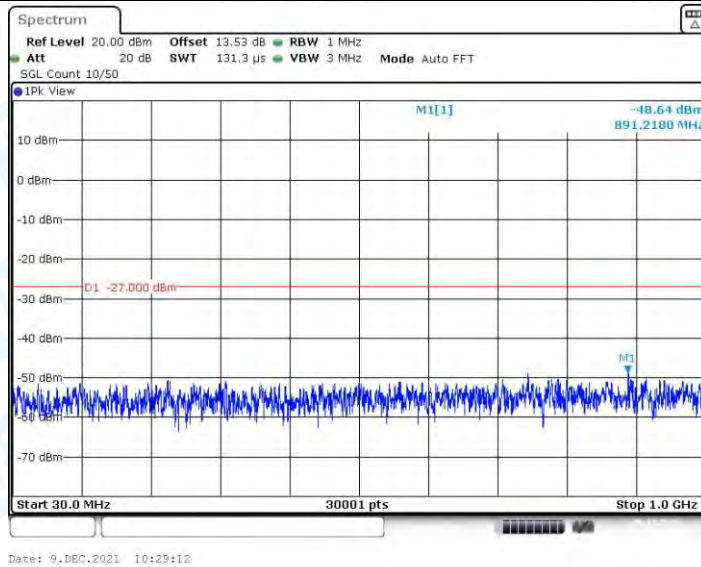
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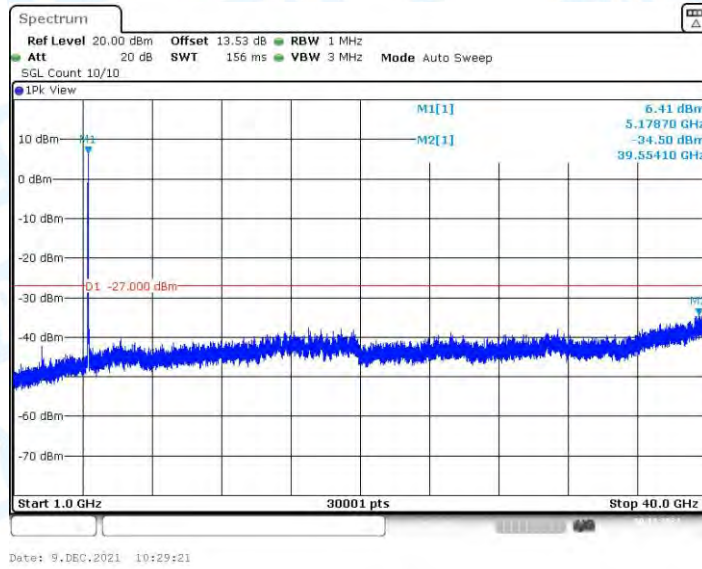
11N40SISO\_Ant1\_5795\_30~1000



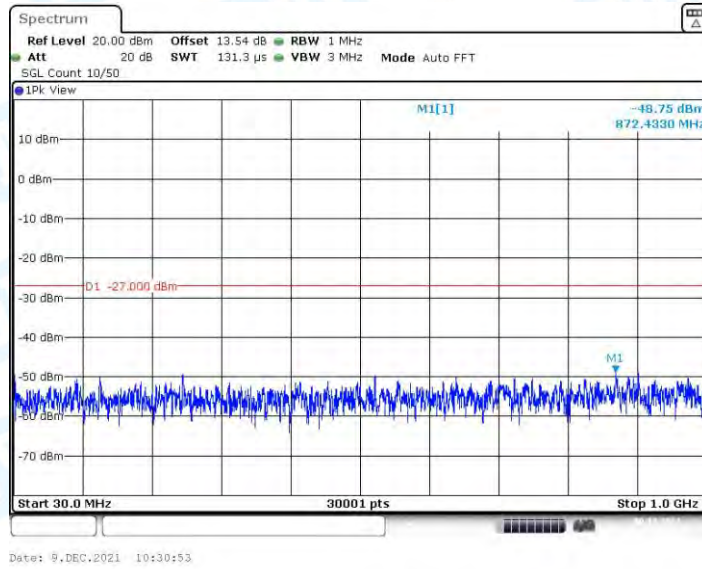
11N40SISO\_Ant1\_5795\_1000~40000



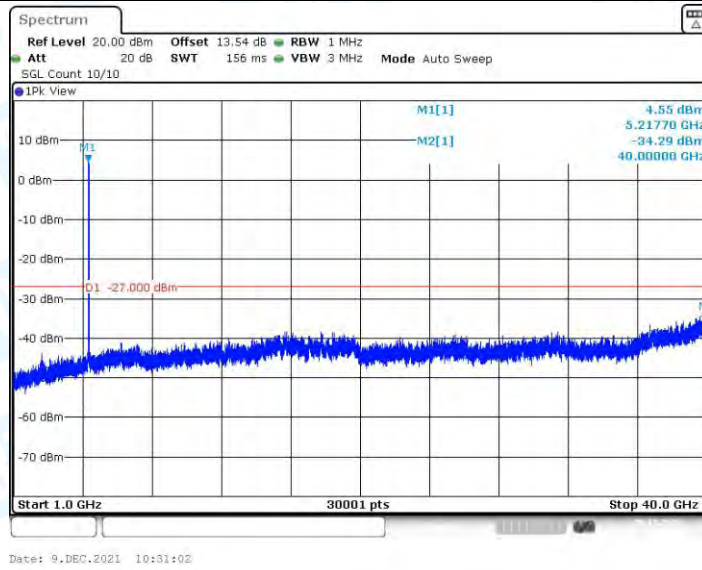
11AC20SISO\_Ant1\_5180\_30~1000



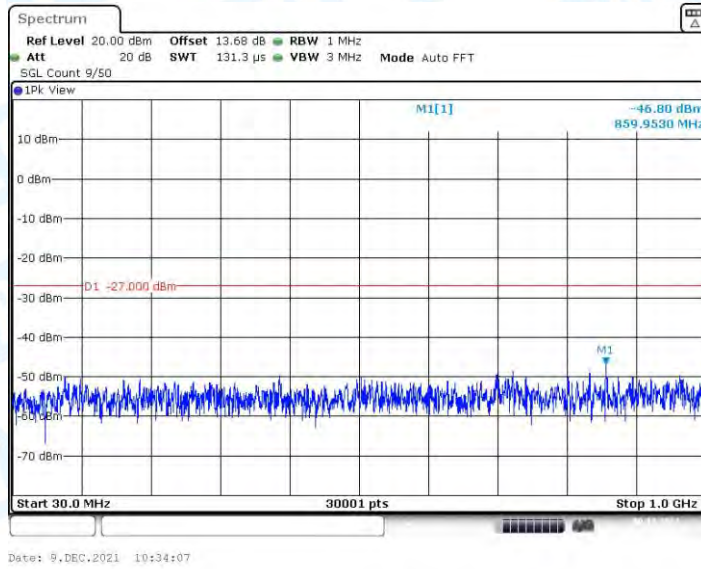
11AC20SISO\_Ant1\_5180\_1000~40000



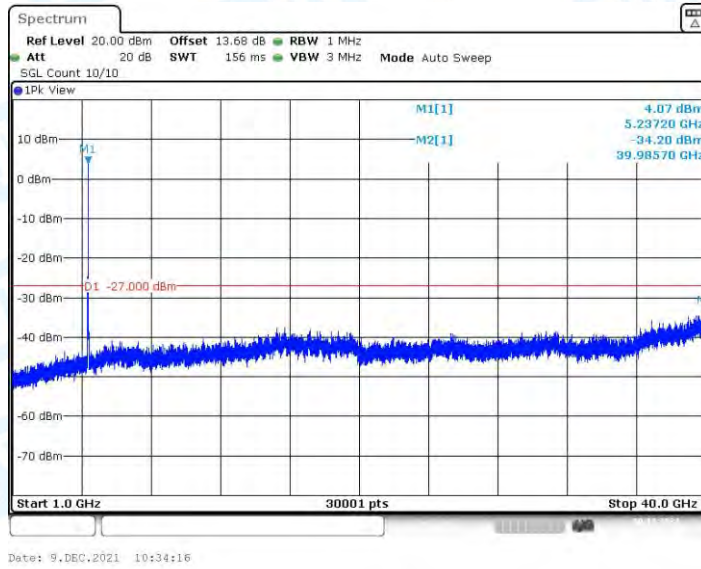
11AC20SISO\_Ant1\_5220\_30~1000



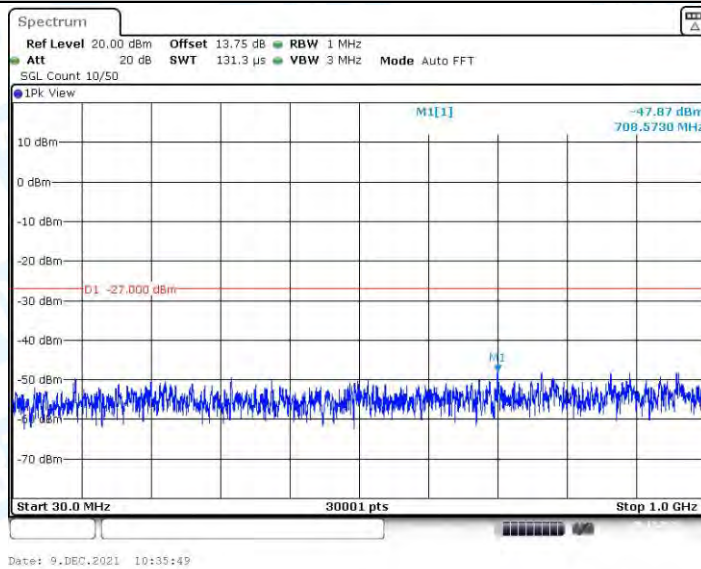
11AC20SISO\_Ant1\_5220\_1000~40000



11AC20SISO\_Ant1\_5240\_30~1000

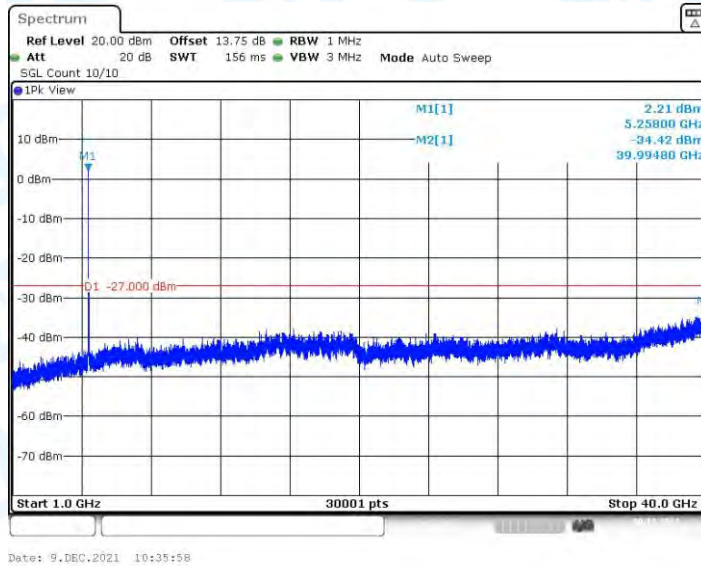


11AC20SISO\_Ant1\_5240\_1000~40000

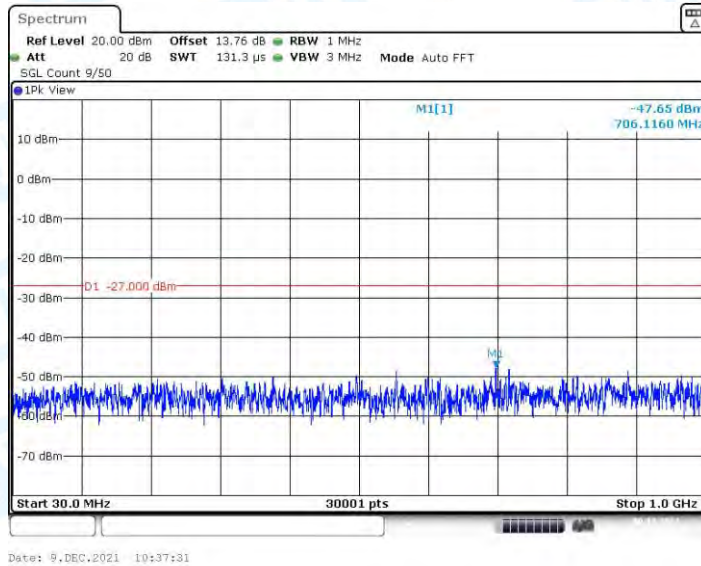


11AC20SISO\_Ant1\_5260\_30~1000

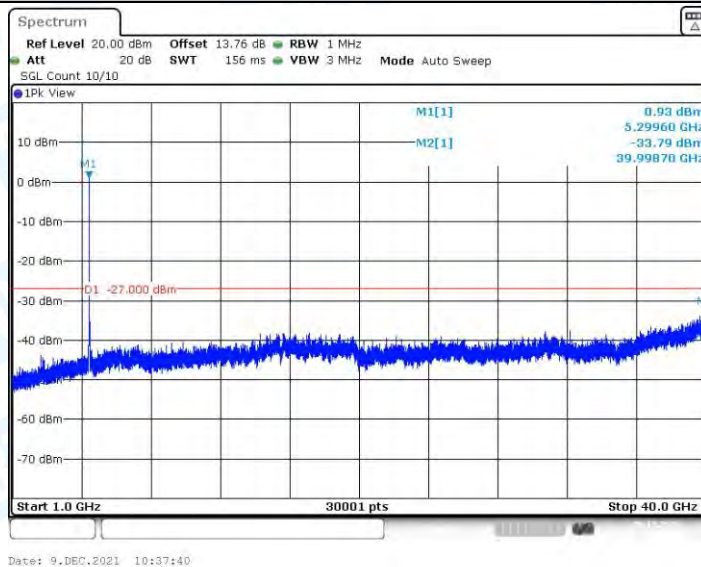




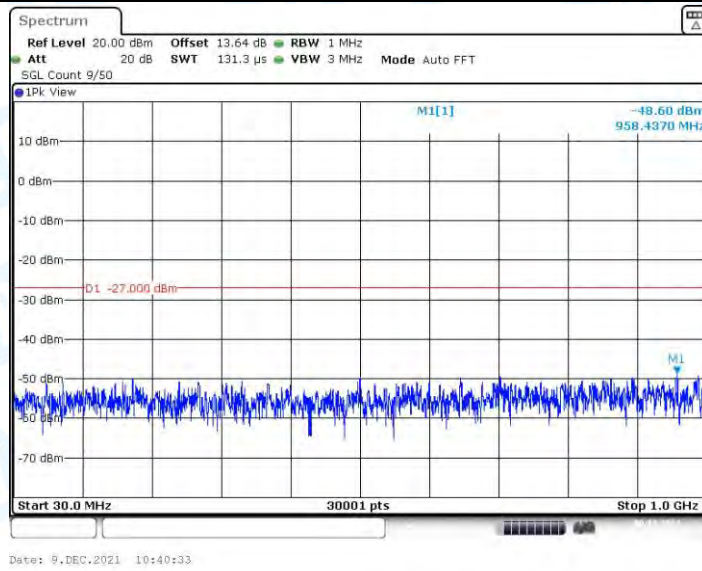
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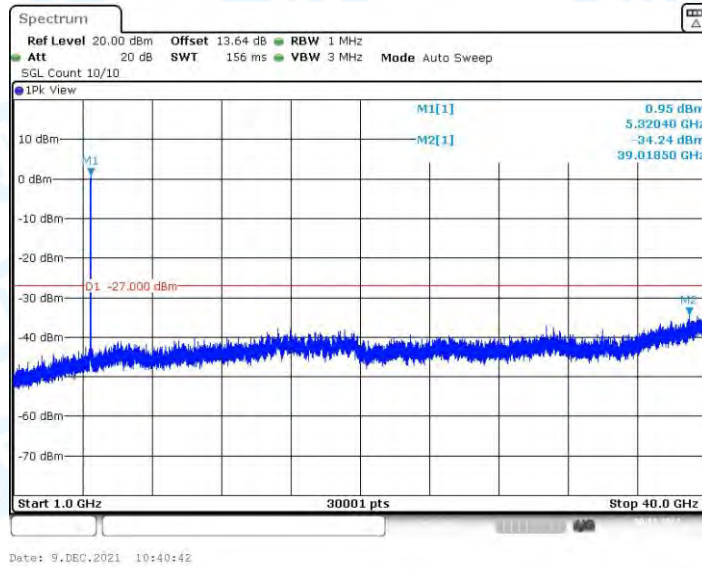
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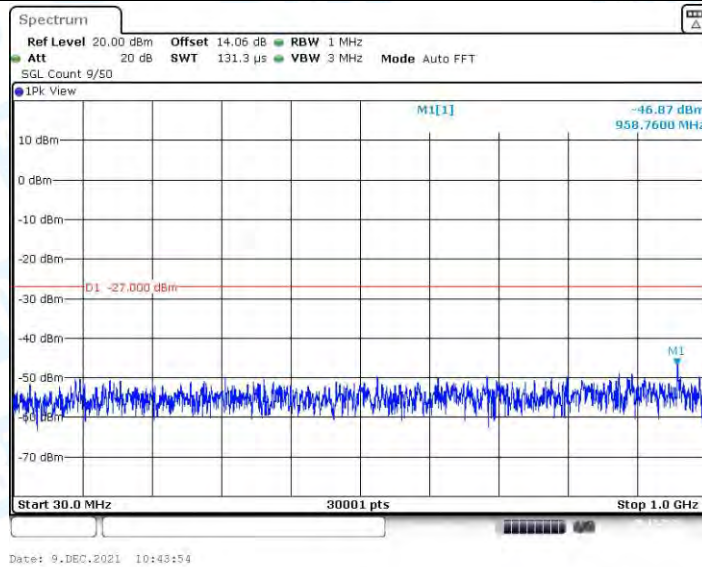
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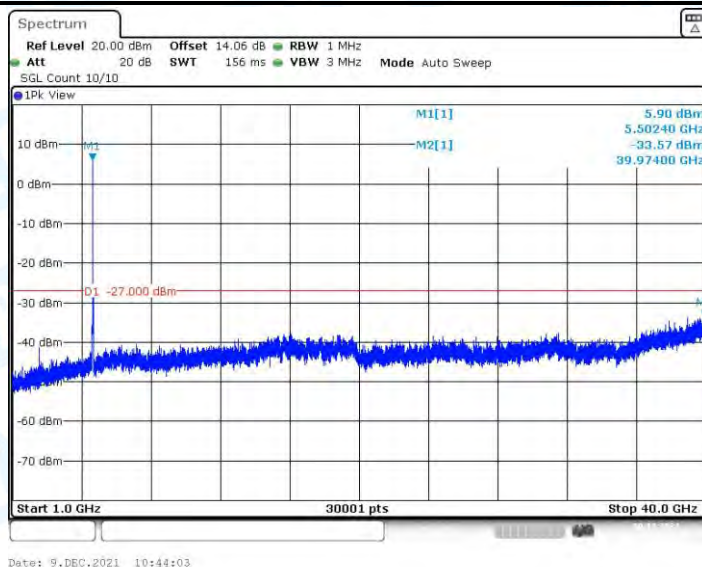
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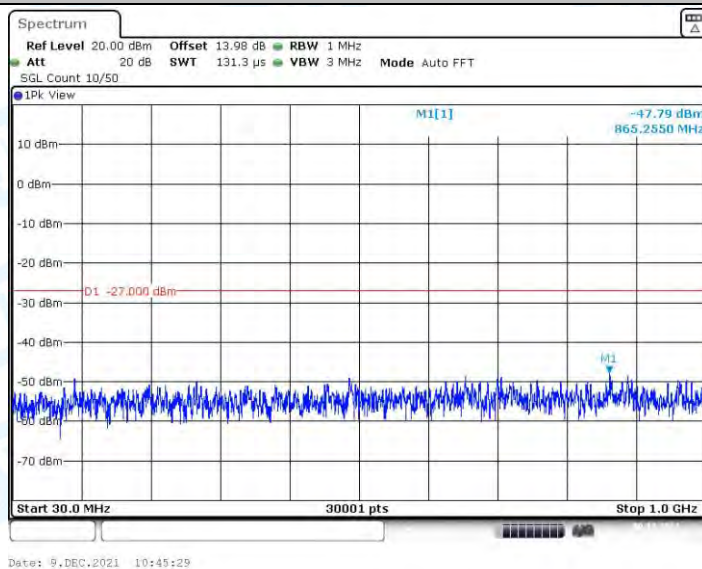
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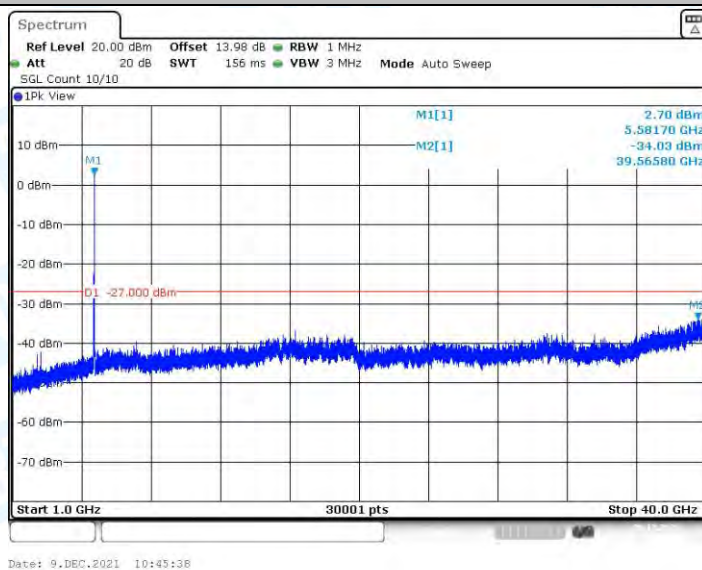
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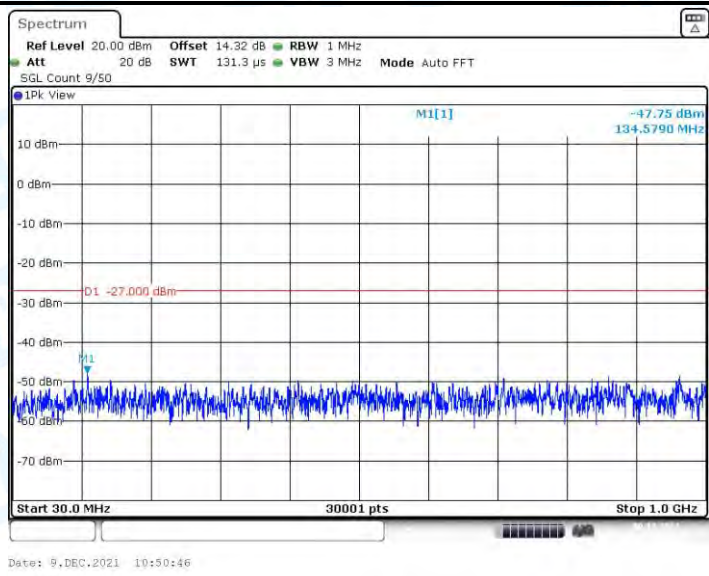
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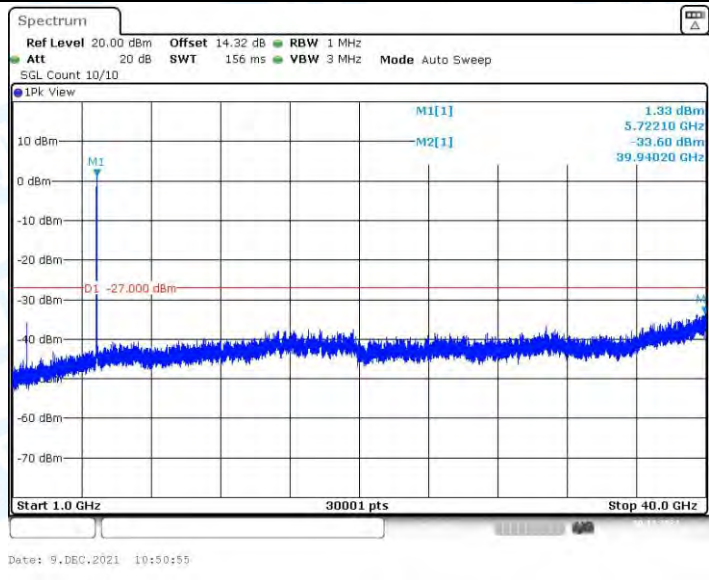
11AC20SISO\_Ant1\_5580\_30~1000



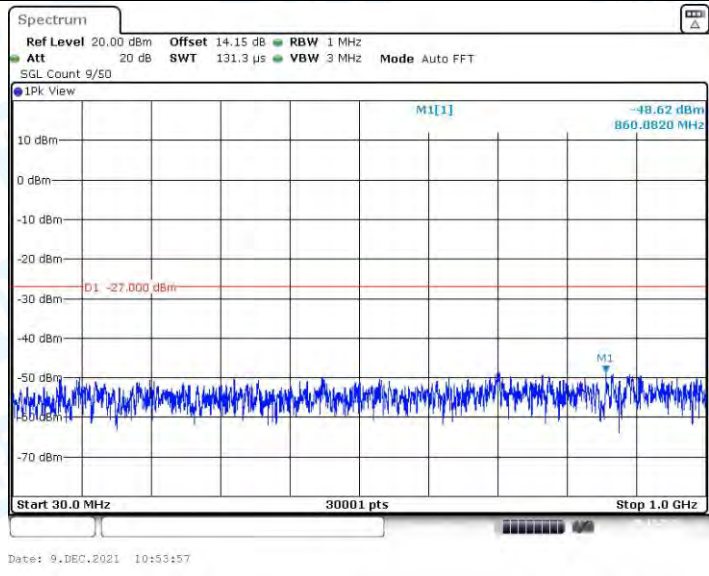
11AC20SISO\_Ant1\_5580\_1000~40000



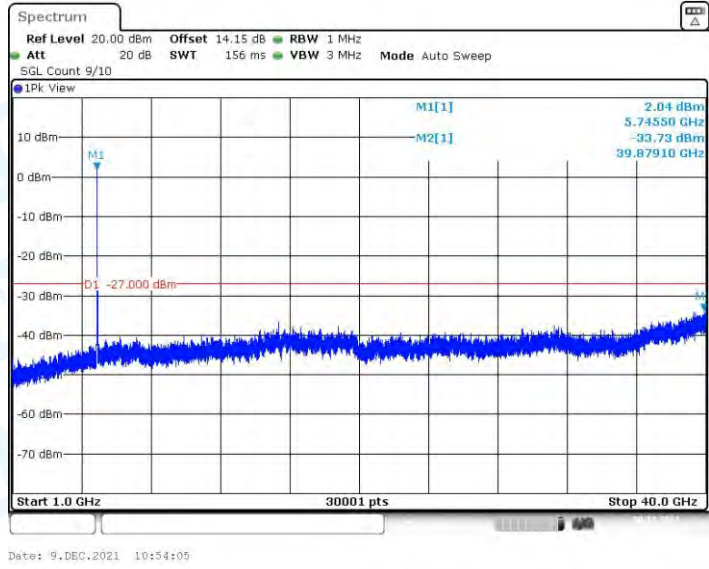
11AC20SISO\_Ant1\_5720\_30~1000



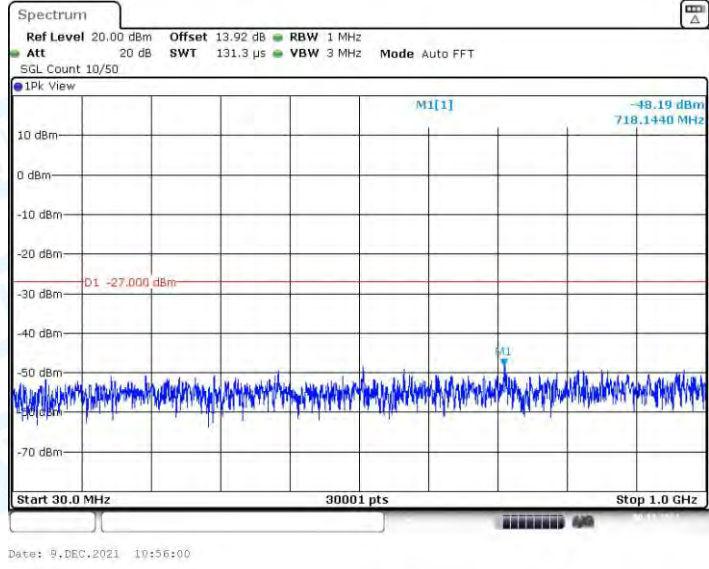
11AC20SISO\_Ant1\_5720\_1000~40000



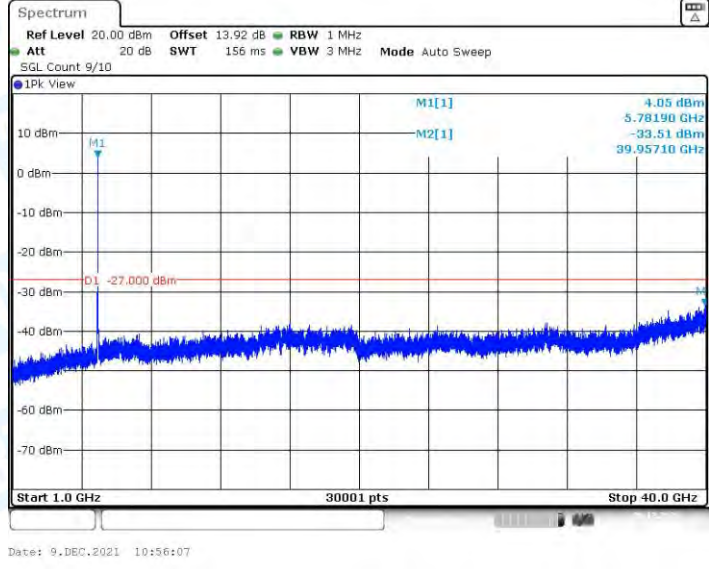
11AC20SISO\_Ant1\_5745\_30~1000



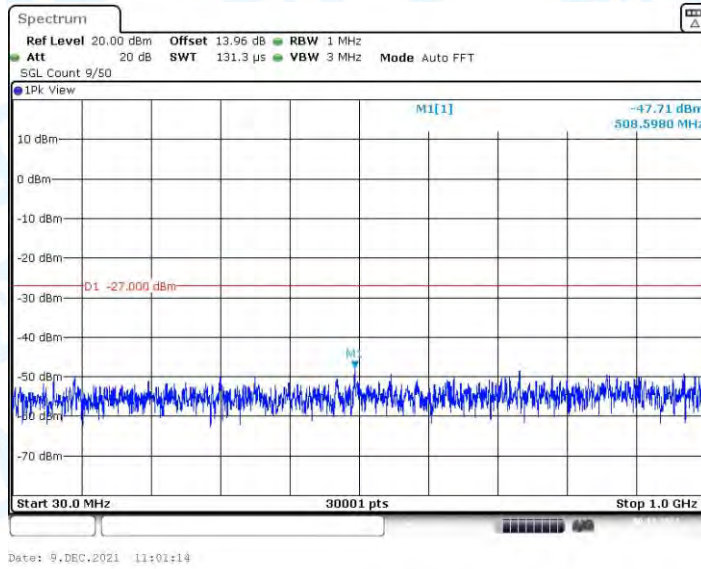
11AC20SISO\_Ant1\_5745\_1000~40000



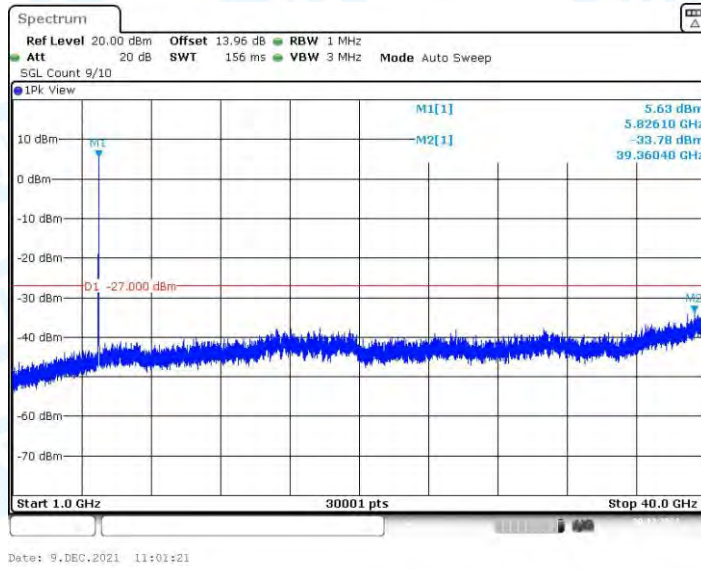
11AC20SISO\_Ant1\_5785\_30~1000



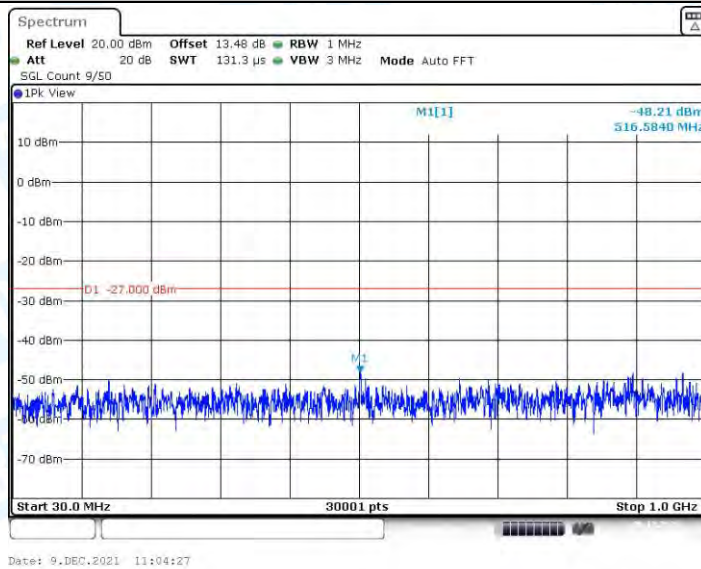
11AC20SISO\_Ant1\_5785\_1000~40000



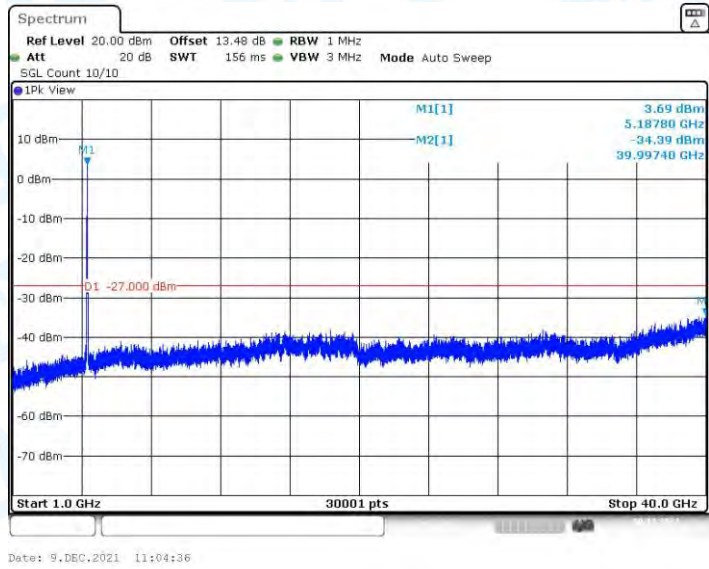
11AC20SISO\_Ant1\_5825\_30~1000



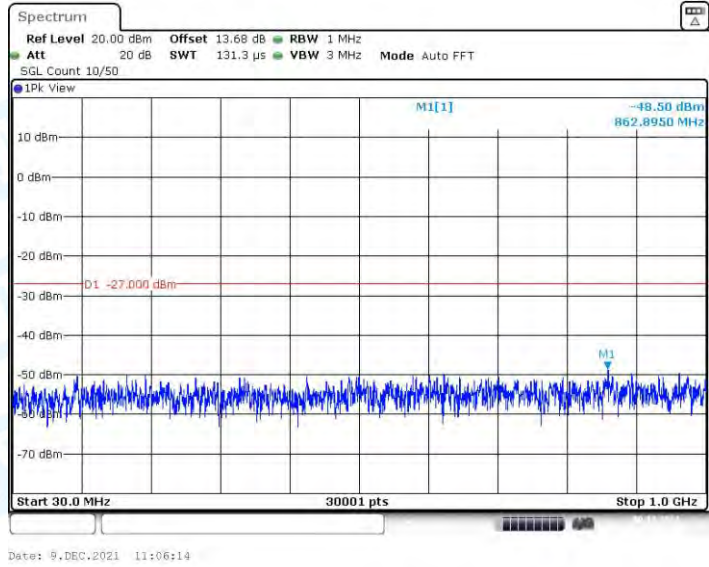
11AC20SISO\_Ant1\_5825\_1000~4000



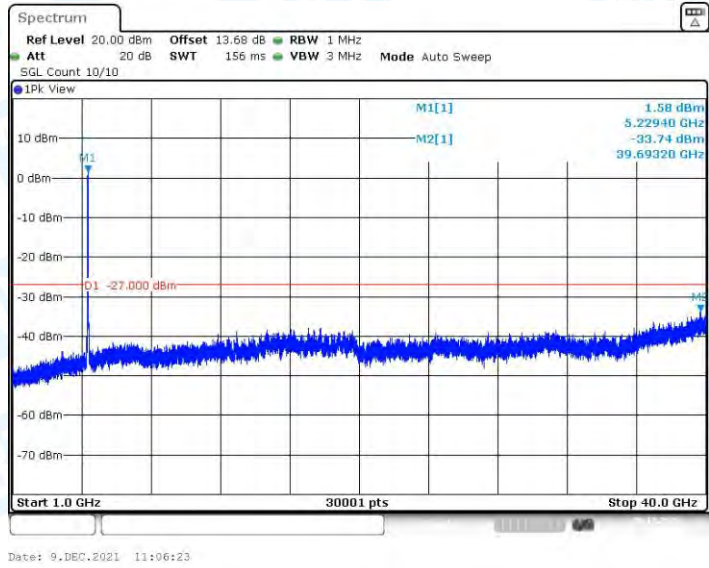
11AC40SISO\_Ant1\_5190\_30~1000



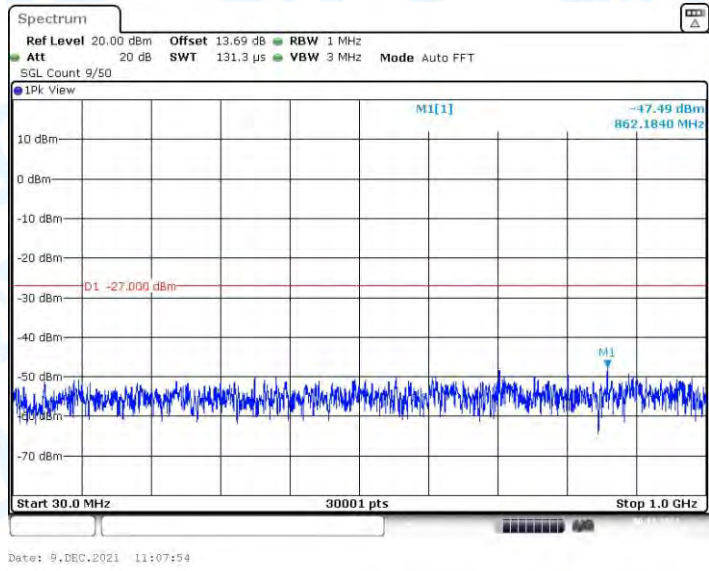
11AC40SISO\_Ant1\_5190\_1000~40000



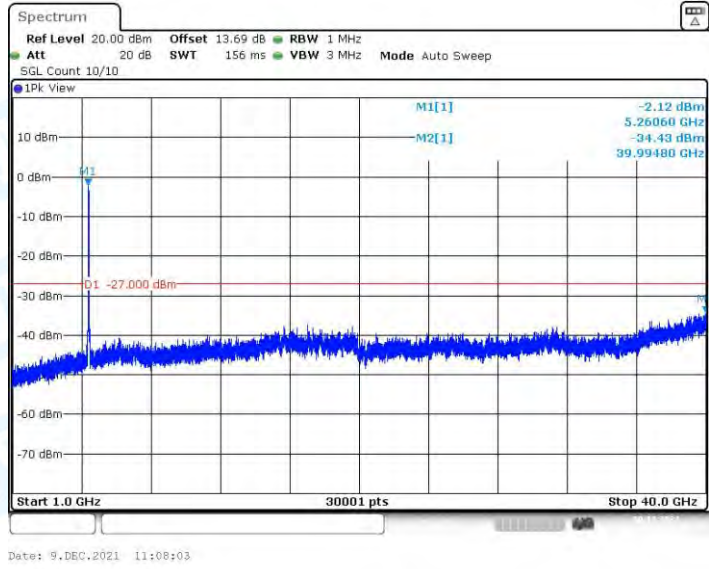
11AC40SISO\_Ant1\_5230\_30~1000



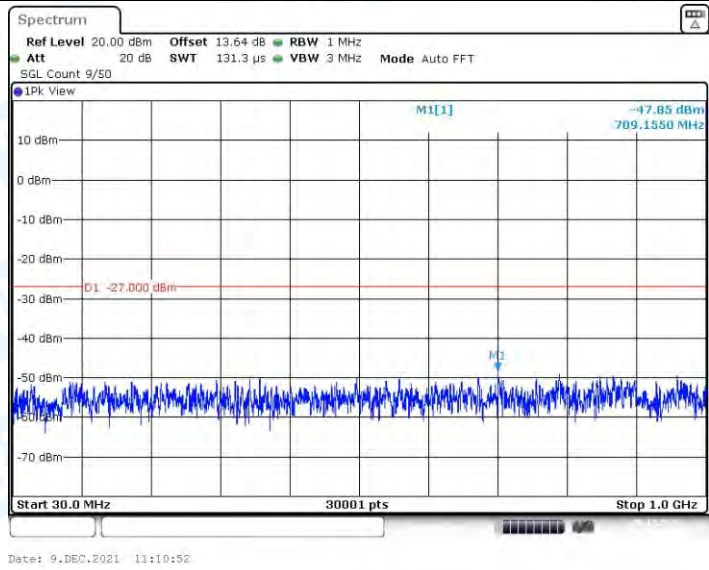
11AC40SISO\_Ant1\_5230\_1000~40000



11AC40SISO\_Ant1\_5270\_30~1000

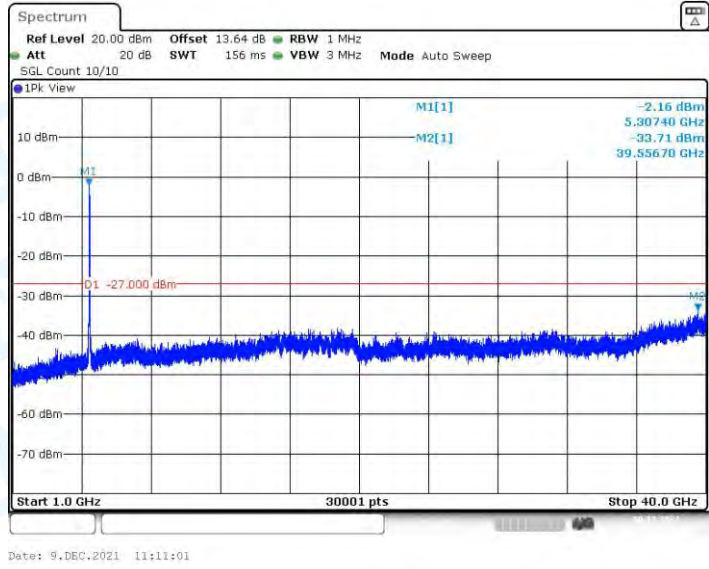


11AC40SISO\_Ant1\_5270\_1000~40000

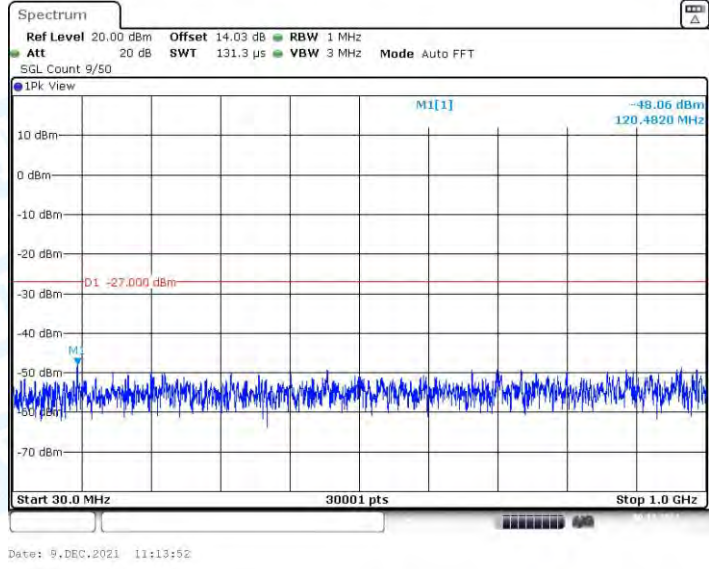


11AC40SISO\_Ant1\_5310\_30~1000

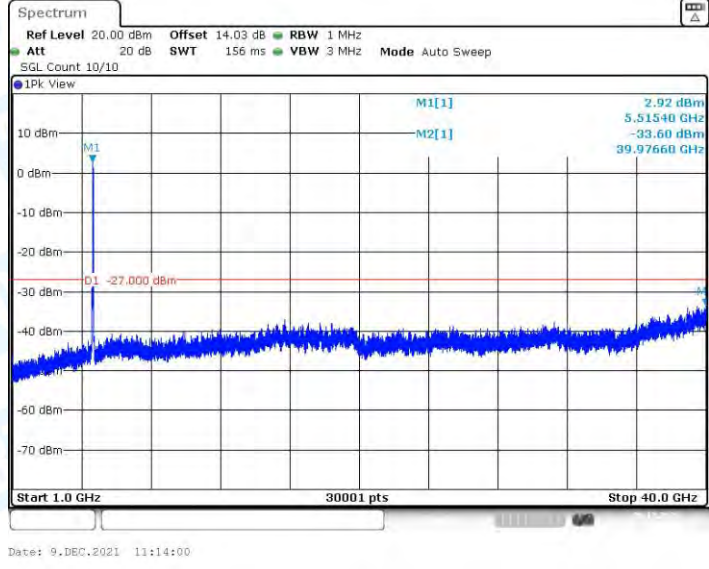




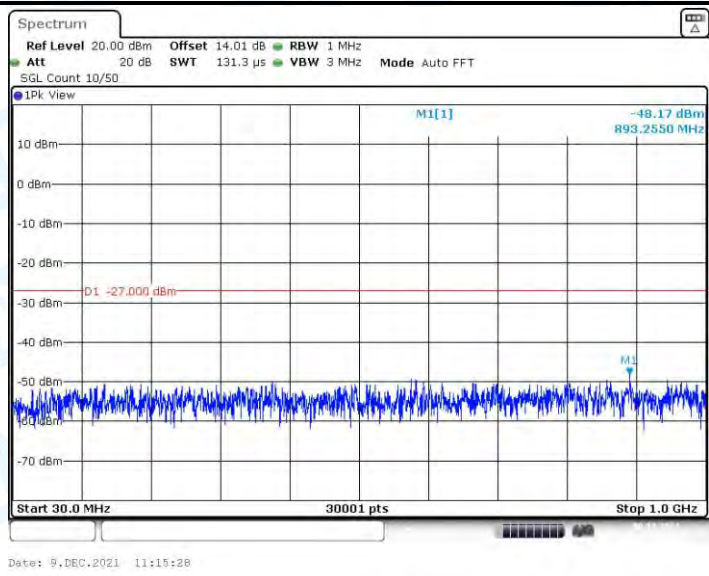
11AC40SISO\_Ant1\_5310\_1000~40000



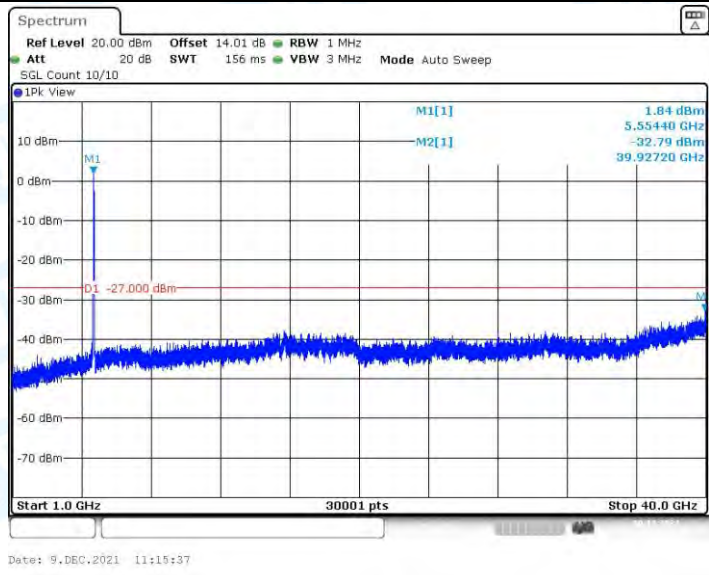
11AC40SISO\_Ant1\_5510\_30~1000



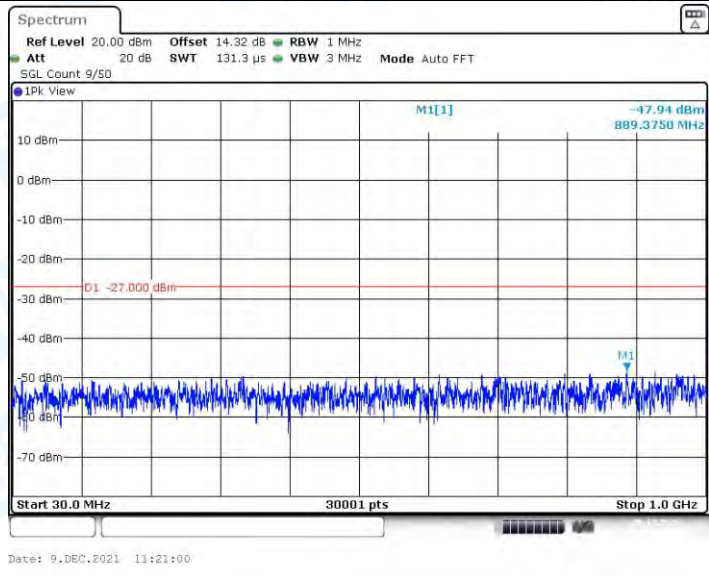
11AC40SISO\_Ant1\_5510\_1000~40000



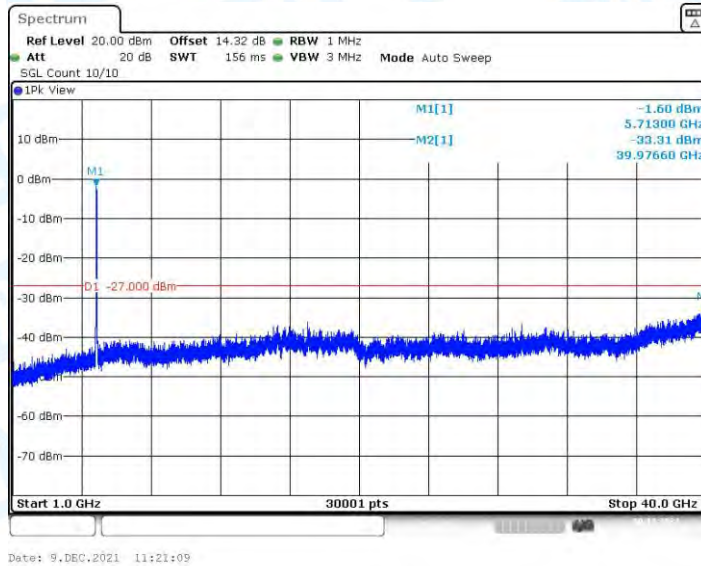
11AC40SISO\_Ant1\_5550\_30~1000



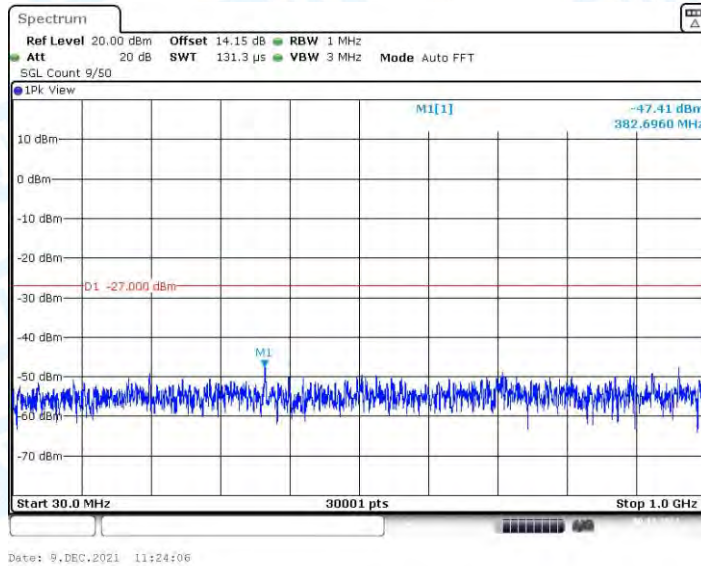
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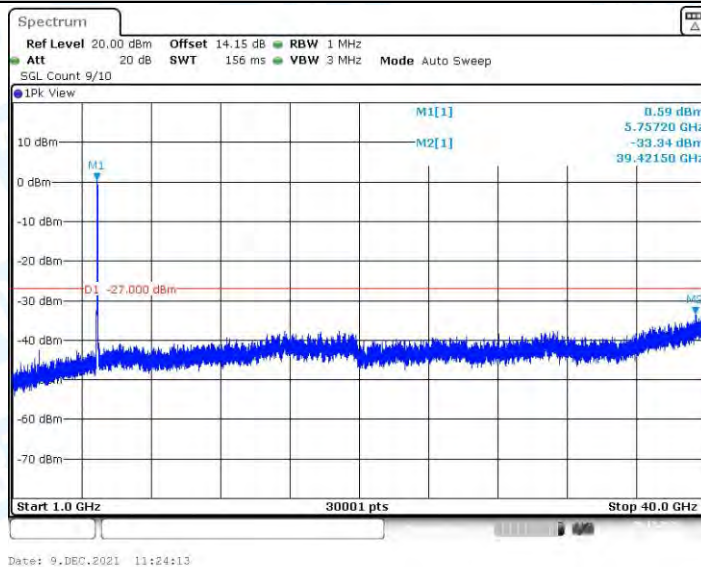
11AC40SISO\_Ant1\_5710\_30~1000



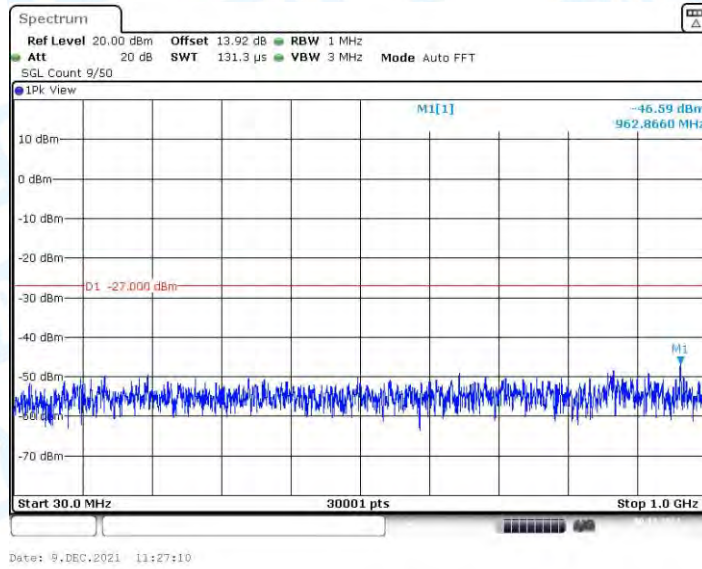
11AC40SISO\_Ant1\_5710\_1000~40000



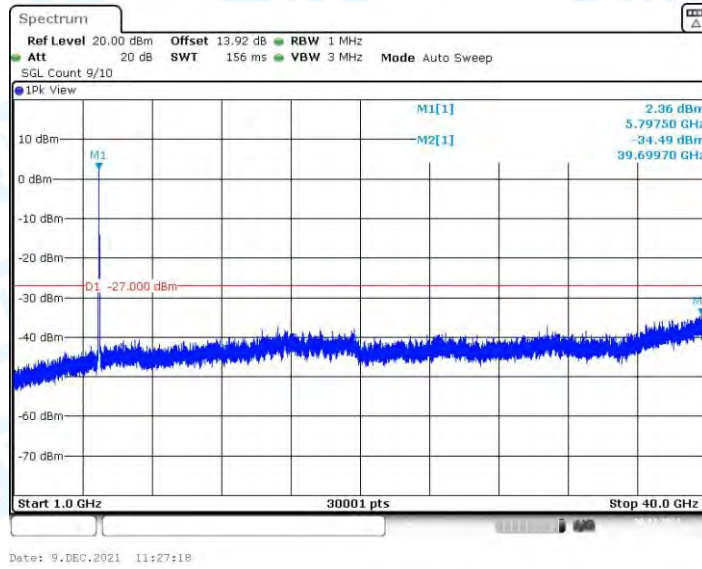
11AC40SISO\_Ant1\_5755\_30~1000



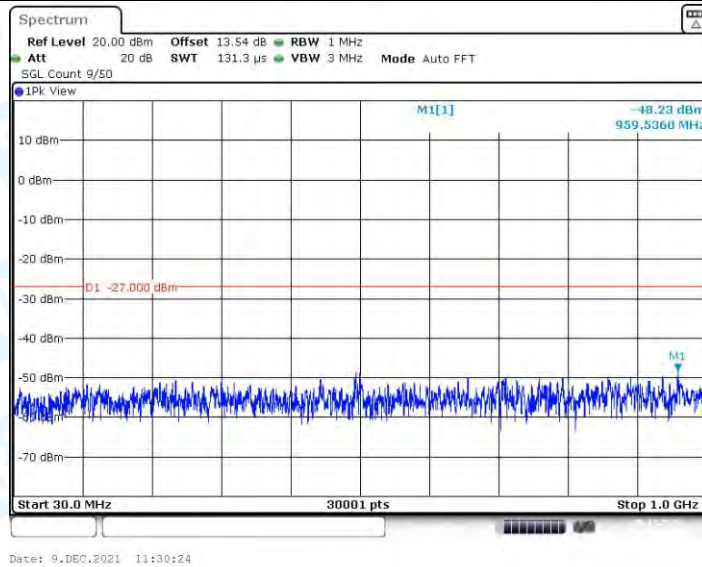
11AC40SISO\_Ant1\_5755\_1000~40000



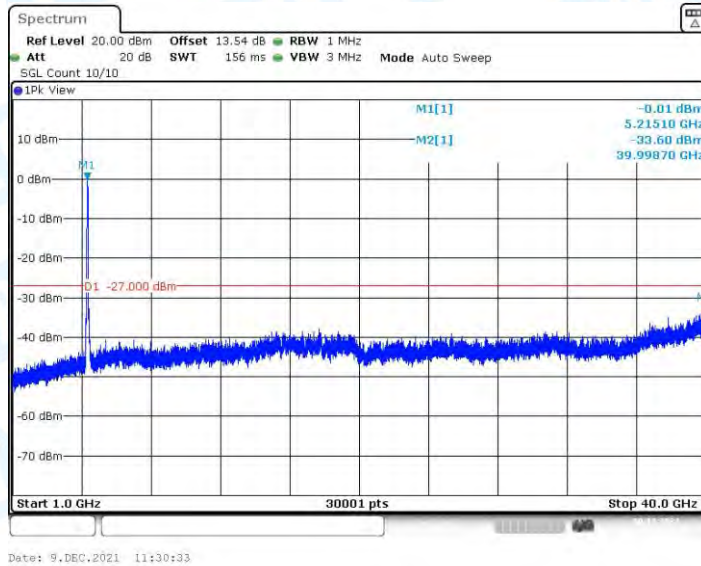
11AC40SISO\_Ant1\_5795\_30~1000



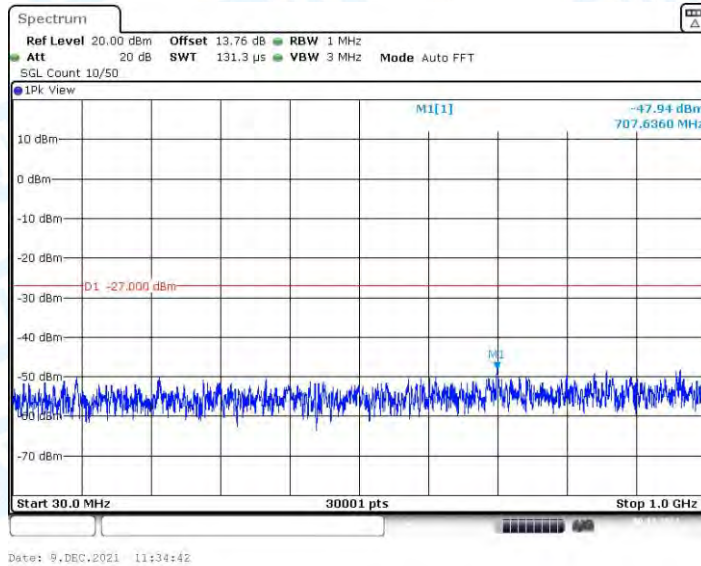
11AC40SISO\_Ant1\_5795\_1000~40000



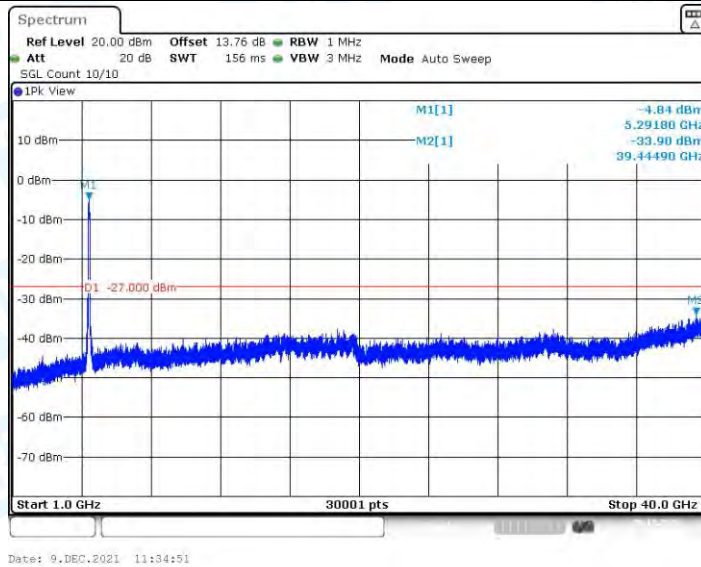
11AC80SISO\_Ant1\_5210\_30~1000



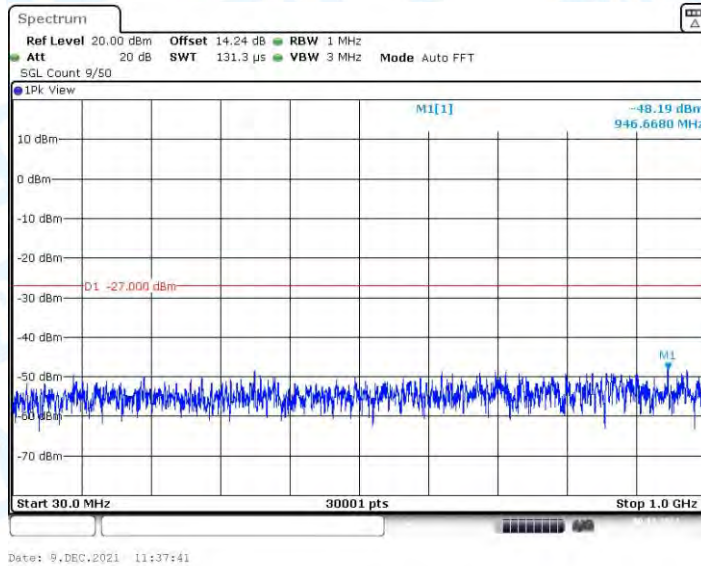
11AC80SISO\_Ant1\_5210\_1000~40000



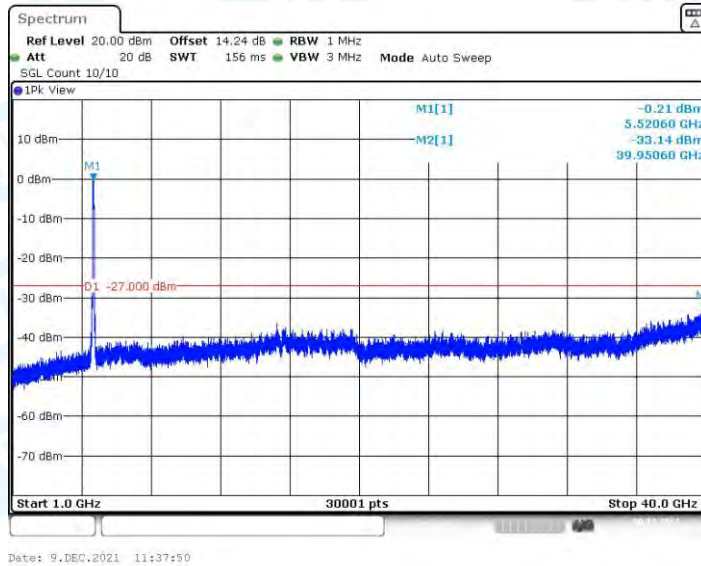
11AC80SISO\_Ant1\_5290\_30~1000



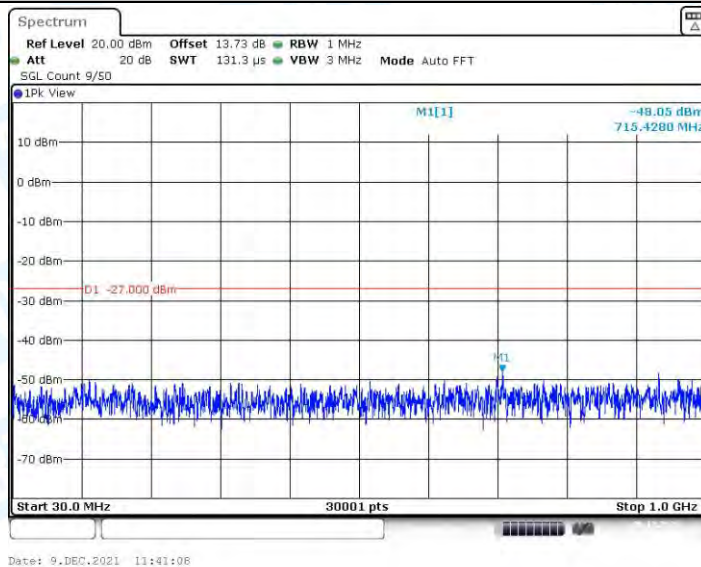
11AC80SISO\_Ant1\_5290\_1000~40000



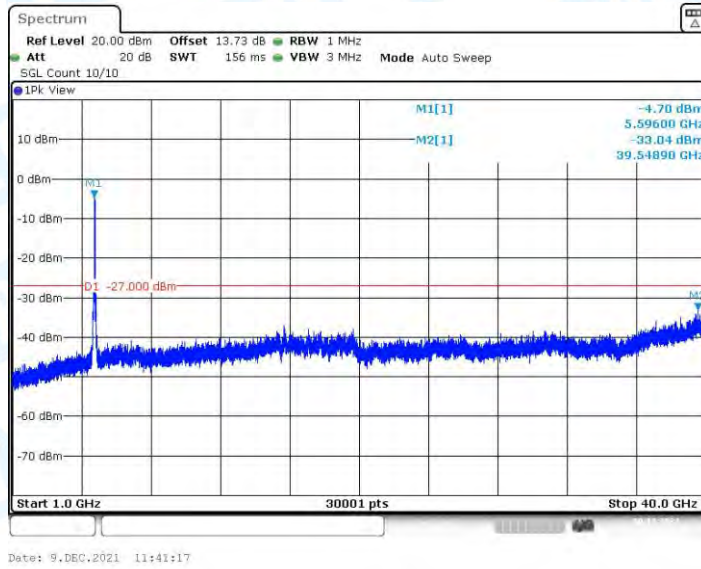
11AC80SISO\_Ant1\_5530\_30~1000



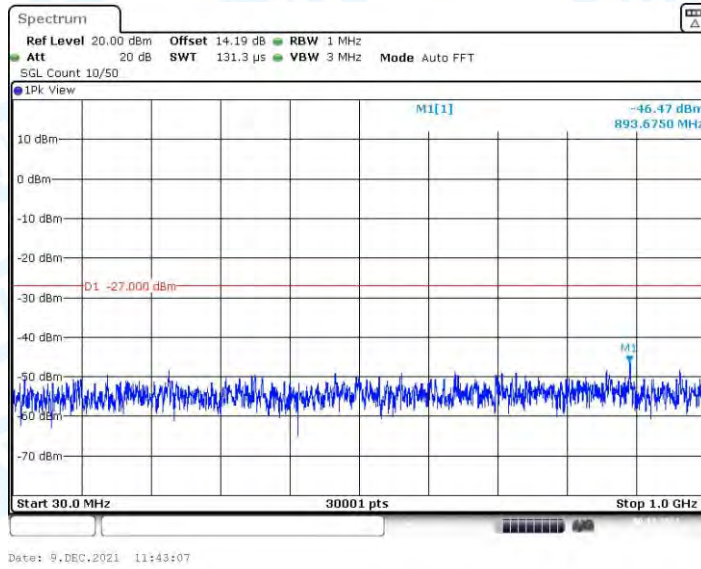
11AC80SISO\_Ant1\_5530\_1000~40000



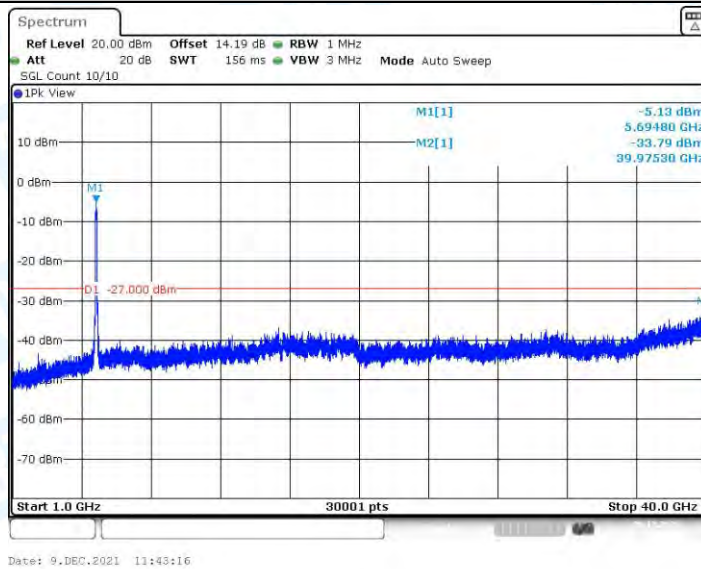
11AC80SISO\_Ant1\_5610\_30~1000



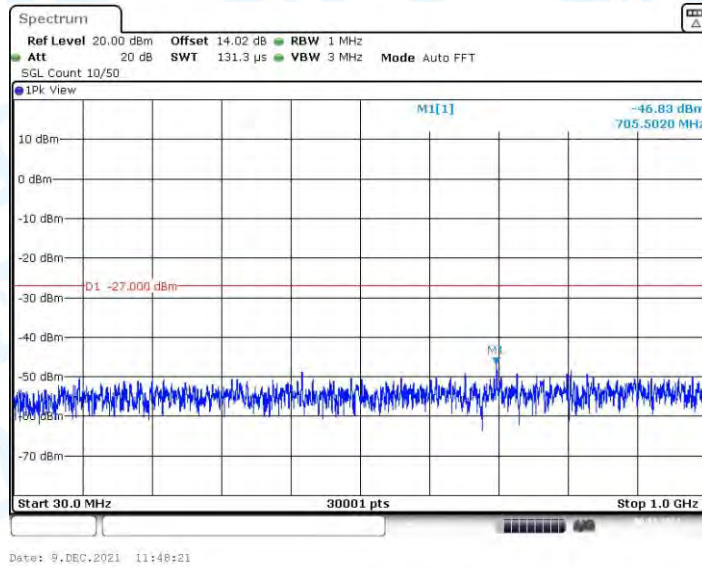
11AC80SISO\_Ant1\_5610\_1000~40000



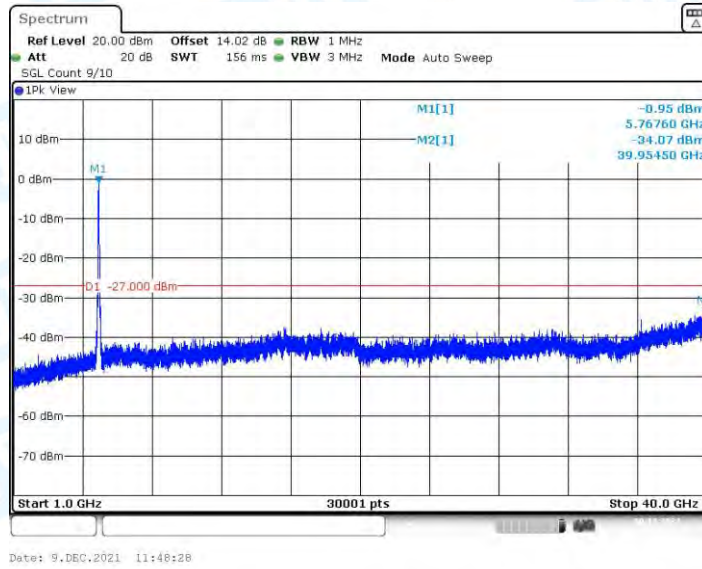
11AC80SISO\_Ant1\_5690\_30~1000



11AC80SISO\_Ant1\_5690\_1000~40000



11AC80SISO\_Ant1\_5775\_30~1000



11AC80SISO\_Ant1\_5775\_1000~40000



## 8. Frequency Stability

### 8.1. Test Result

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5180.0250
3.85	5180.0450
4.20	5180.0240
<b>Limit Range (MHz)</b>	5150-5250
<b>Result</b>	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0200
10	5180.0250
20	5180.0200
30	5180.0100
40	5180.0600
50	5180.0420
<b>Limit Range (MHz)</b>	5150-5250
<b>Result</b>	PASS

Only show the worst case 802.11 a Mode 5260MHz.

801.11a U-NII-2A: 5260 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5280.0100
3.85	5280.0270
4.20	5280.0430
<b>Limit Range (MHz)</b>	5250-5350
<b>Result</b>	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5280.0240
10	5280.0340
20	5280.0200
30	5280.0180
40	5280.0470
50	5280.0057
<b>Limit Range (MHz)</b>	5250-5350
<b>Result</b>	PASS

Only show the worst case 802.11 a Mode 5500MHz.

801.11a U-NII-2C: 5500 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5500.0120
3.85	5500.0050
4.20	5500.0200
<b>Limit Range (MHz)</b>	5470-5725
<b>Result</b>	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5500.0430
10	5500.0270
20	5500.0250
30	5500.0430
40	5500.0360
50	5500.0240
<b>Limit Range (MHz)</b>	5470-5725
<b>Result</b>	PASS

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5745.0400
3.85	5745.0250
4.20	5744.0240
<b>Limit Range (MHz)</b>	5725-5850
<b>Result</b>	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0300
10	5745.0440
20	5745.0580
30	5745.0200
40	5745.0350
50	5745.0130
<b>Limit Range (MHz)</b>	5725-5850
<b>Result</b>	PASS

## 9. Duty Cycle

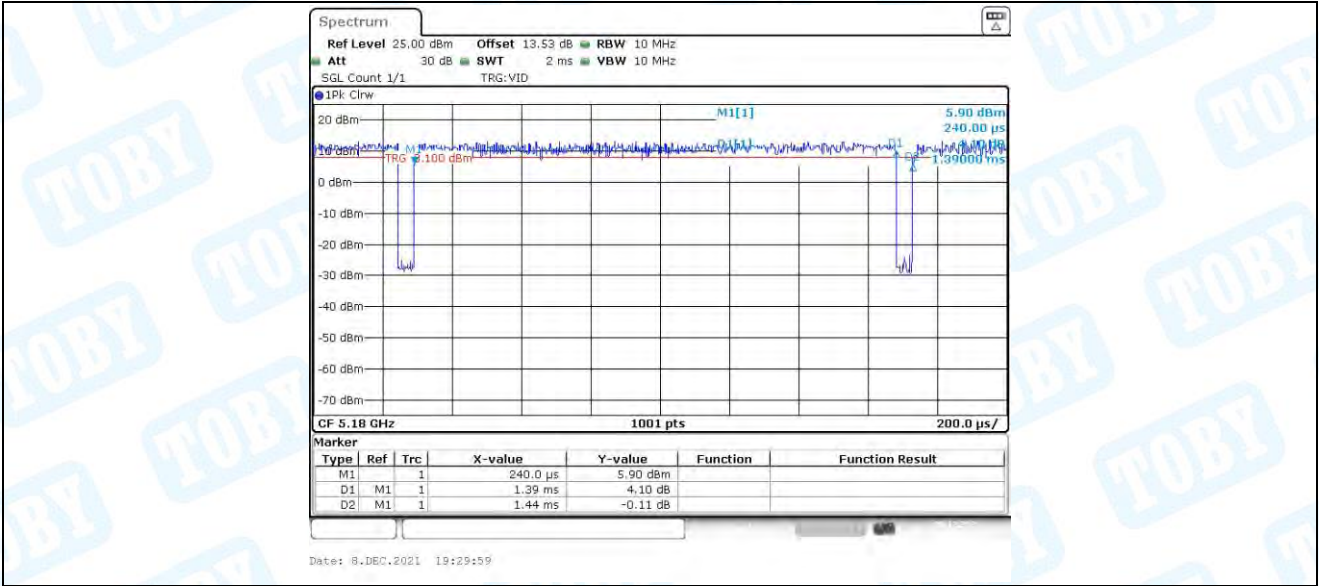
### 9.1. Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [KHz]	Limit	Verdict
11A	Ant1	5180	1.39	1.44	96.53	0.719	---	PASS
		5220	1.39	1.44	96.53	0.719	---	PASS
		5240	1.40	1.44	97.22	0.714	---	PASS
		5260	1.39	1.44	96.53	0.719	---	PASS
		5300	1.40	1.44	97.22	0.714	---	PASS
		5320	1.39	1.44	96.53	0.719	---	PASS
		5500	1.39	1.44	96.53	0.719	---	PASS
		5580	1.39	1.43	97.20	0.719	---	PASS
		5700	1.39	1.44	96.53	0.719	---	PASS
		5720	1.38	1.43	96.50	0.725	---	PASS
		5745	1.40	1.45	96.55	0.714	---	PASS
		5785	1.40	1.45	96.55	0.714	---	PASS
		5825	1.39	1.44	96.53	0.719	---	PASS
11N20SISO	Ant1	5180	1.30	1.35	96.30	0.769	---	PASS
		5220	1.30	1.34	97.01	0.769	---	PASS
		5240	1.30	1.34	97.01	0.769	---	PASS
		5260	1.30	1.34	97.01	0.769	---	PASS
		5300	1.29	1.34	96.27	0.775	---	PASS
		5320	1.30	1.35	96.30	0.769	---	PASS
		5500	1.30	1.34	97.01	0.769	---	PASS
		5580	1.31	1.35	97.04	0.763	---	PASS
		5720	1.30	1.35	96.30	0.769	---	PASS
		5745	1.30	1.35	96.30	0.769	---	PASS
		5785	1.30	1.34	97.01	0.769	---	PASS
		5825	1.30	1.34	97.01	0.769	---	PASS
		11N40SISO	Ant1	5190	0.65	0.69	94.20	1.538
5230	0.65			0.69	94.20	1.538	---	PASS
5270	0.65			0.69	94.20	1.538	---	PASS
5310	0.65			0.69	94.20	1.538	---	PASS
5510	0.65			0.70	92.86	1.538	---	PASS
5550	0.65			0.70	92.86	1.538	---	PASS
5710	0.65			0.70	92.86	1.538	---	PASS
5755	0.65			0.70	92.86	1.538	---	PASS
5795	0.65			0.69	94.20	1.538	---	PASS
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.763	---	PASS
		5220	1.31	1.36	96.32	0.763	---	PASS
		5240	1.32	1.36	97.06	0.758	---	PASS
		5260	1.31	1.36	96.32	0.763	---	PASS
		5300	1.31	1.35	97.04	0.763	---	PASS
		5320	1.31	1.35	97.04	0.763	---	PASS
		5500	1.31	1.36	96.32	0.763	---	PASS
		5580	1.31	1.36	96.32	0.763	---	PASS
		5720	1.31	1.36	96.32	0.763	---	PASS
		5745	1.31	1.35	97.04	0.763	---	PASS
		5785	1.31	1.36	96.32	0.763	---	PASS
		5825	1.31	1.36	96.32	0.763	---	PASS
		11AC40SISO	Ant1	5190	0.65	0.70	92.86	1.538
5230	0.65			0.69	94.20	1.538	---	PASS
5270	0.65			0.70	92.86	1.538	---	PASS
5310	0.65			0.69	94.20	1.538	---	PASS
5510	0.66			0.70	94.29	1.515	---	PASS
5550	0.66			0.70	94.29	1.515	---	PASS
5710	0.65			0.69	94.20	1.538	---	PASS

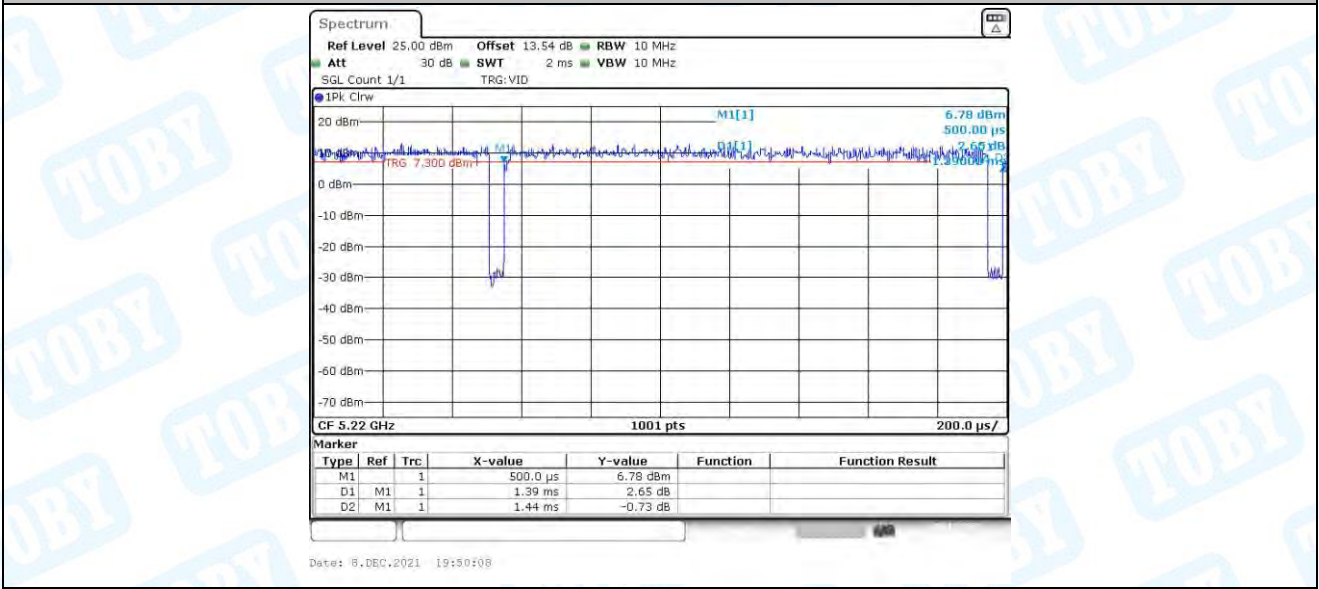
		5755	0.65	0.70	92.86	1.538	---	PASS
		5795	0.66	0.70	94.29	1.515	---	PASS
11AC80SISO	Ant1	5210	0.33	0.37	89.19	3.030	---	PASS
		5290	0.32	0.37	86.49	3.125	---	PASS
		5530	0.33	0.37	89.19	3.030	---	PASS
		5610	0.32	0.36	88.89	3.125	---	PASS
		5690	0.32	0.37	86.49	3.125	---	PASS
		5775	0.33	0.37	89.19	3.030	---	PASS

Note: 1/T=1/Transmission Duration

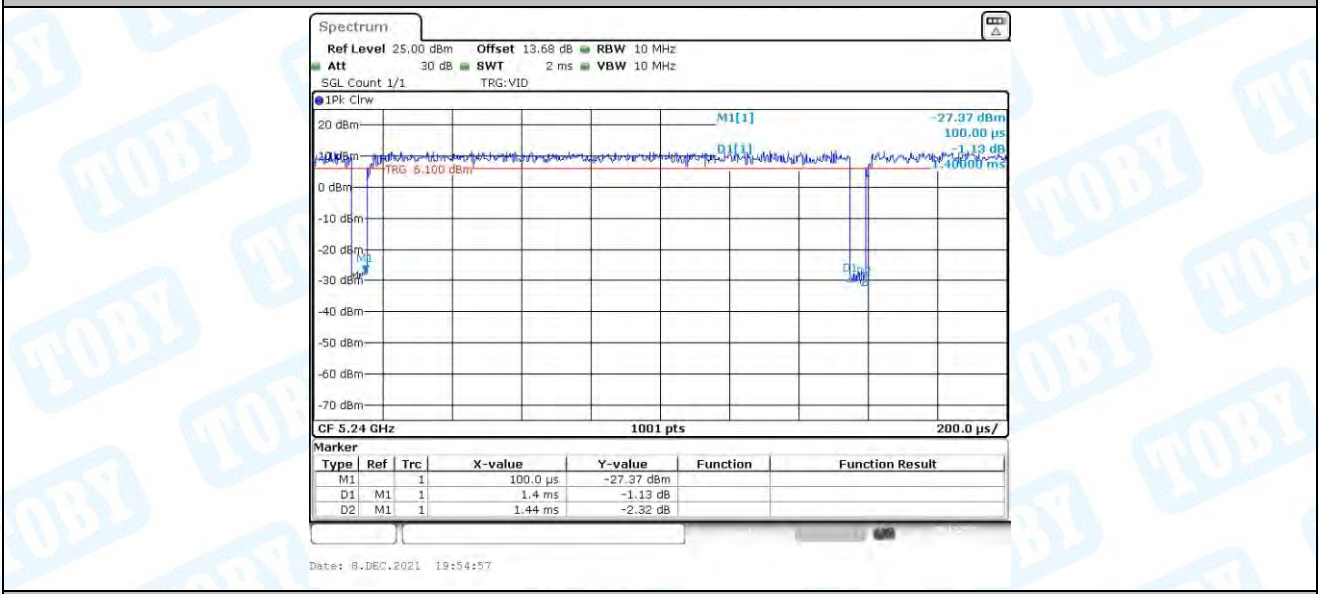
## 9.2. Test Graphs



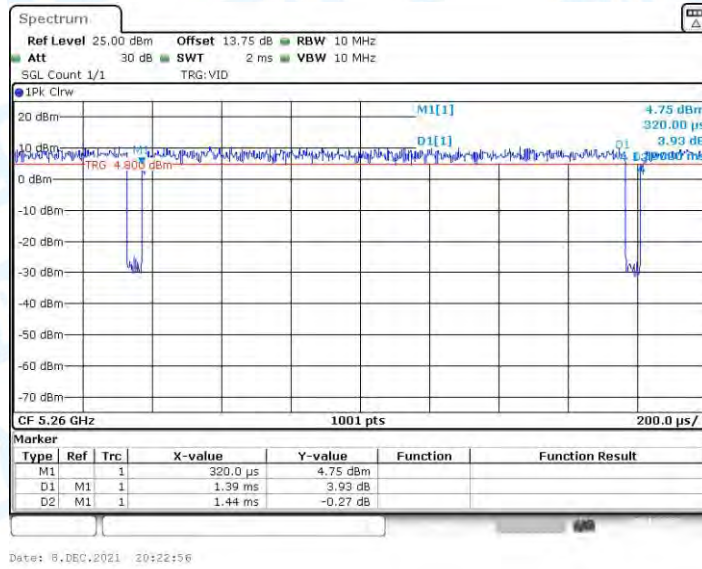
11A\_Ant1\_5180



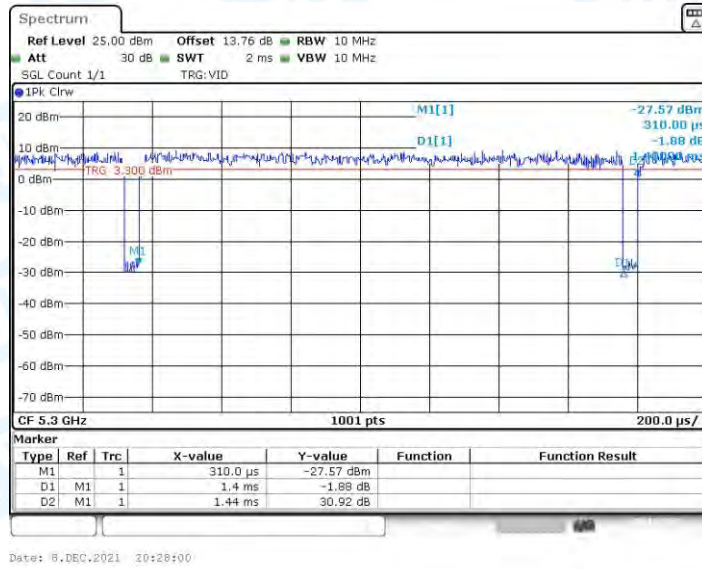
11A\_Ant1\_5220



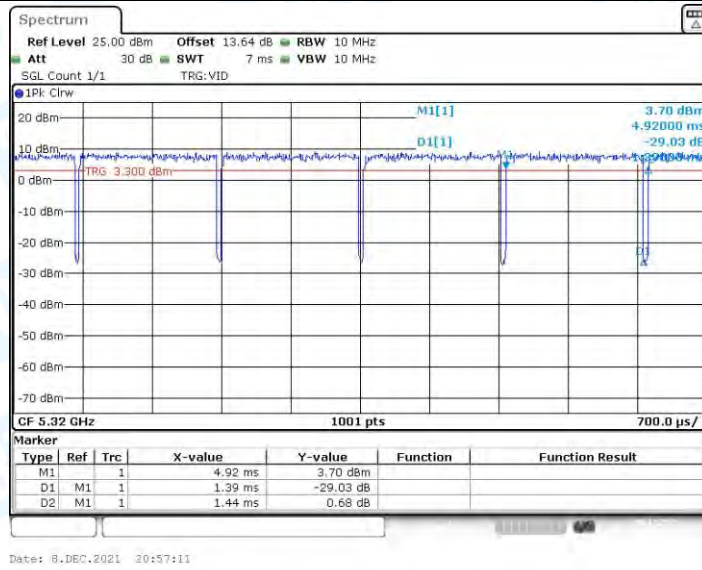
11A\_Ant1\_5240



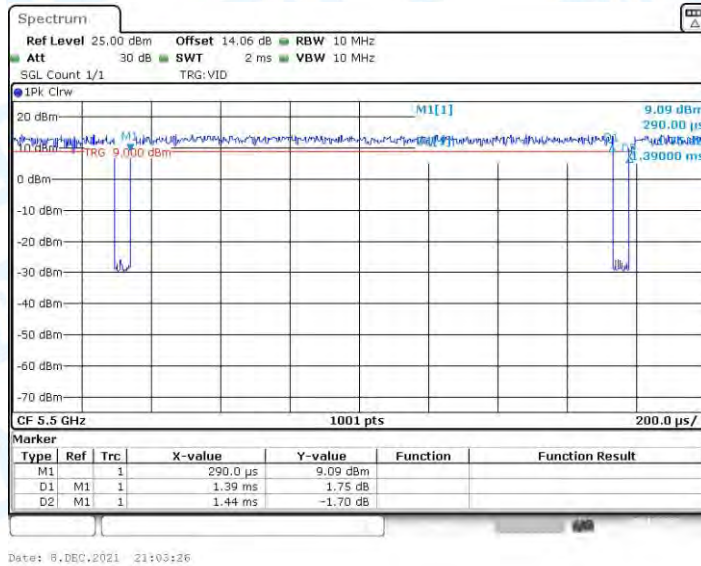
11A\_Ant1\_5260



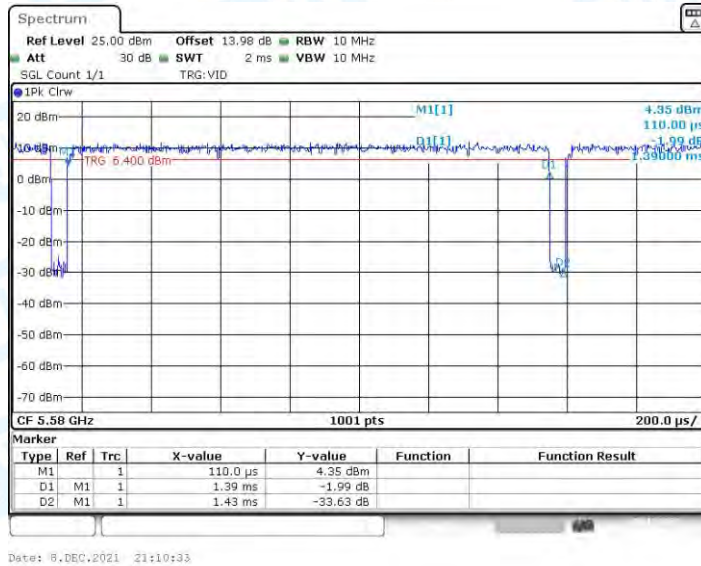
11A\_Ant1\_5300



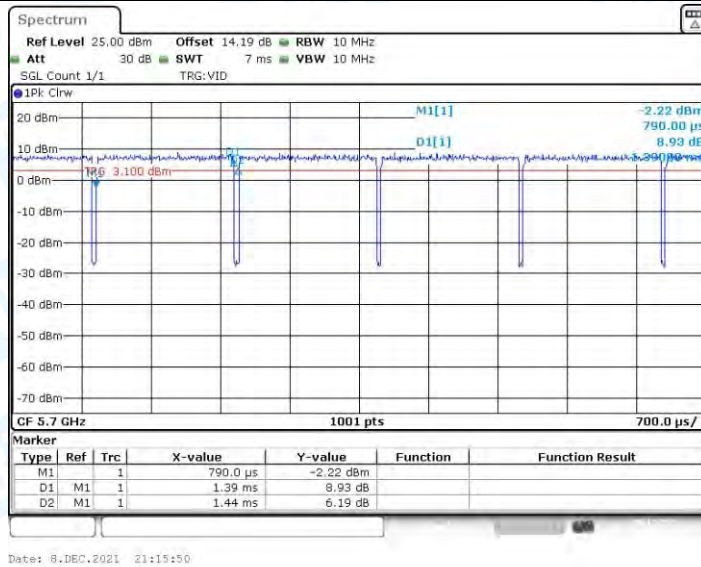
11A\_Ant1\_5320



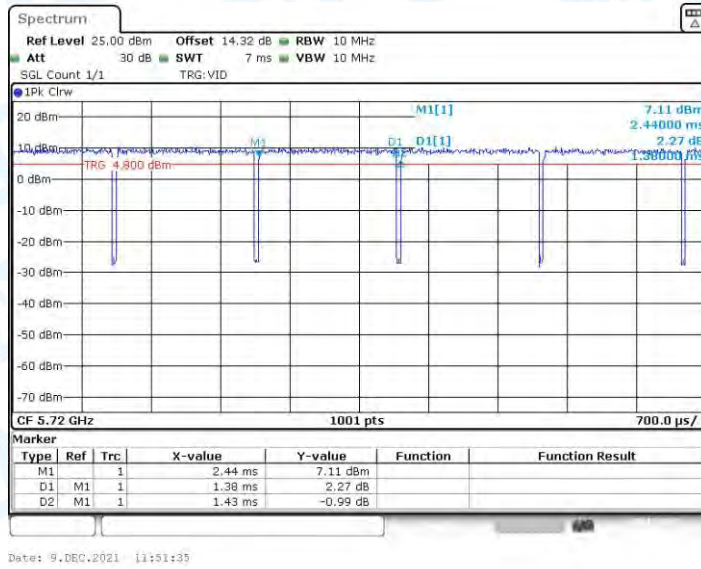
11A\_Ant1\_5500



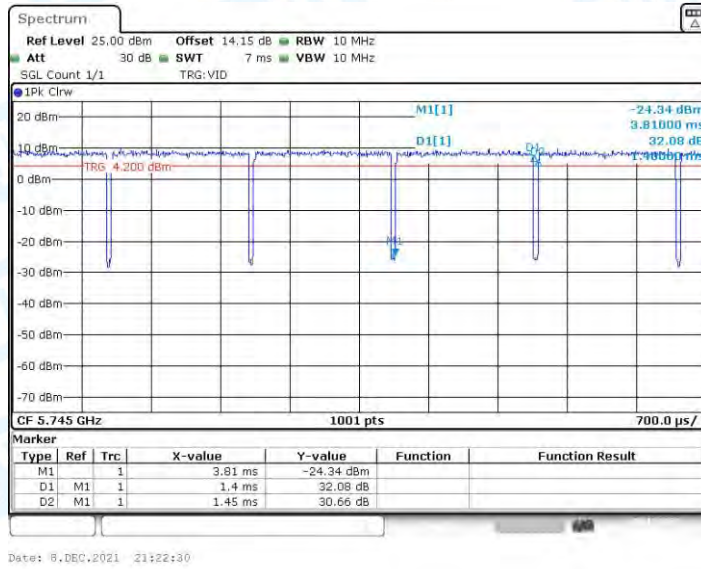
11A\_Ant1\_5580



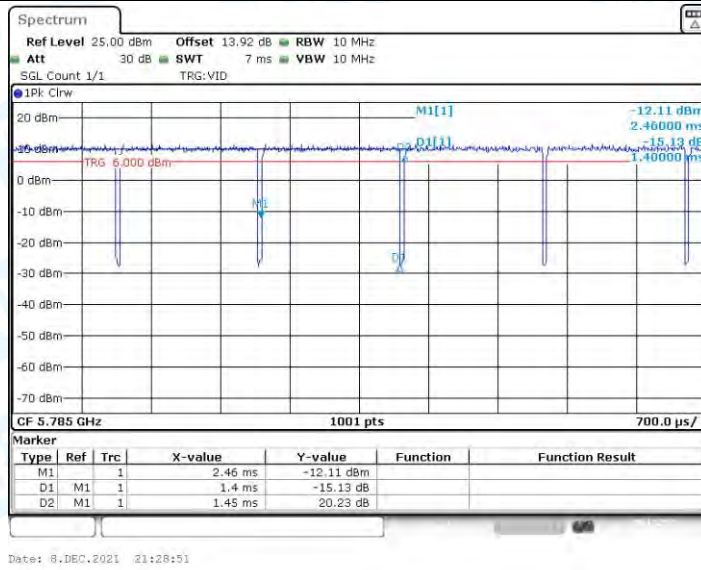
11A\_Ant1\_5700



11A\_Ant1\_5720

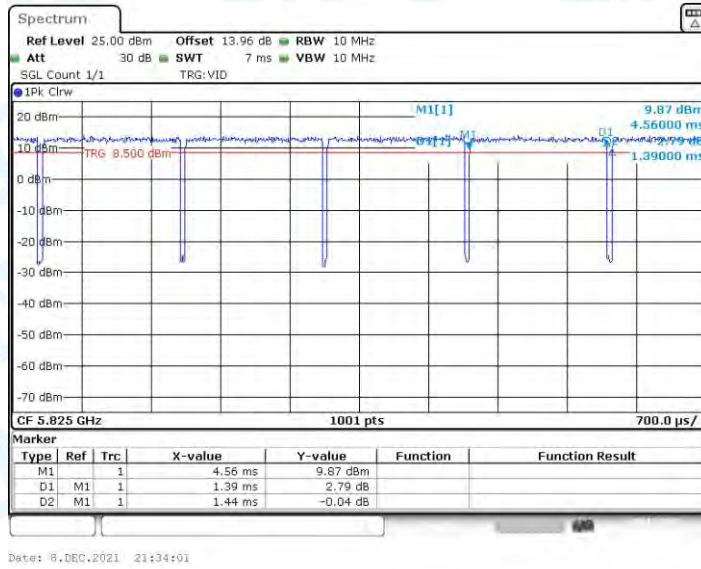


11A\_Ant1\_5745

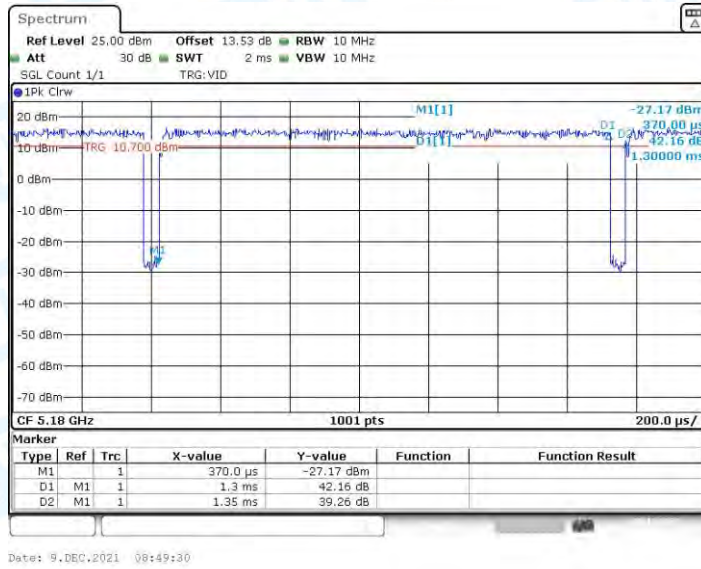


11A\_Ant1\_5785

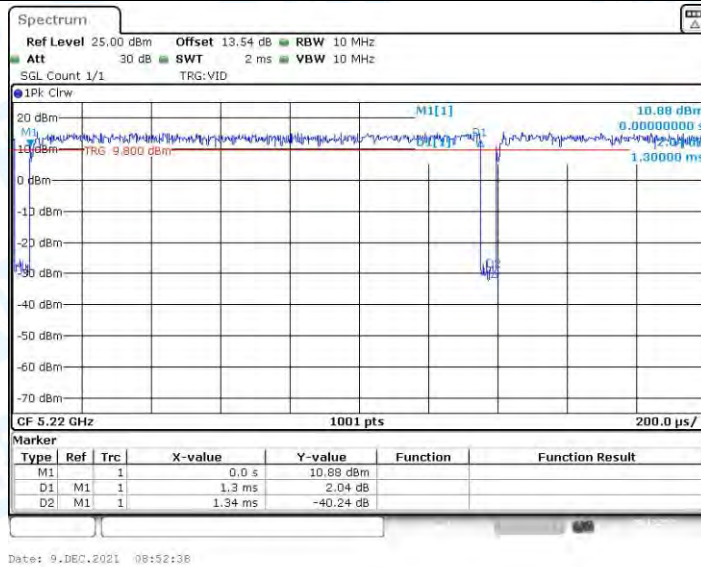




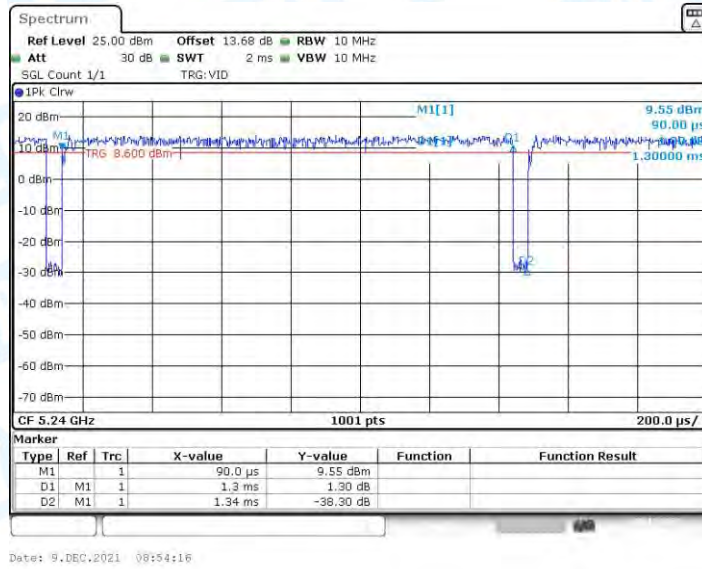
### 11A\_Ant1\_5825



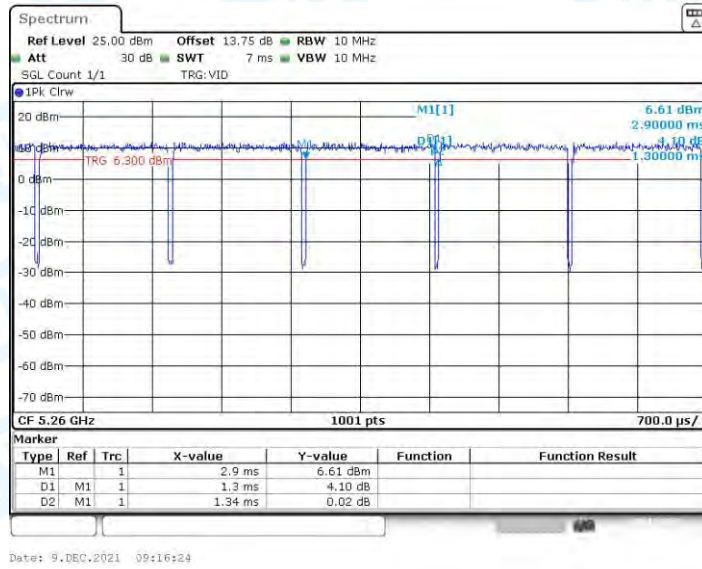
### 11N20SISO\_Ant1\_5180



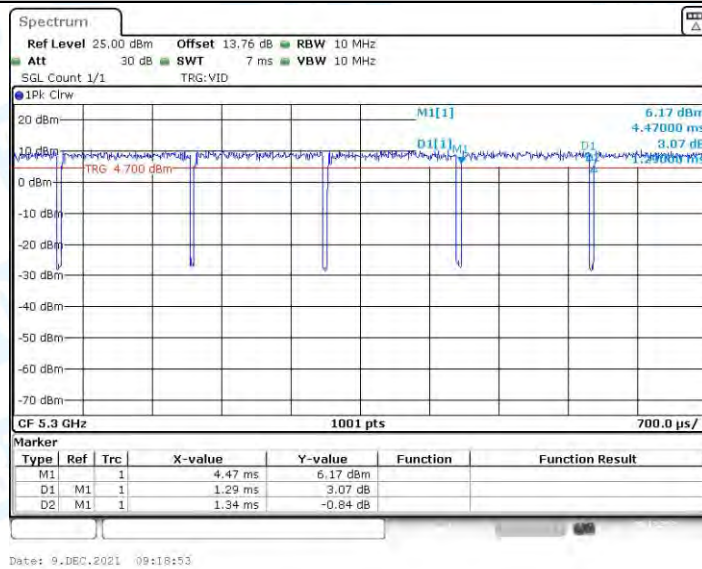
### 11N20SISO\_Ant1\_5220



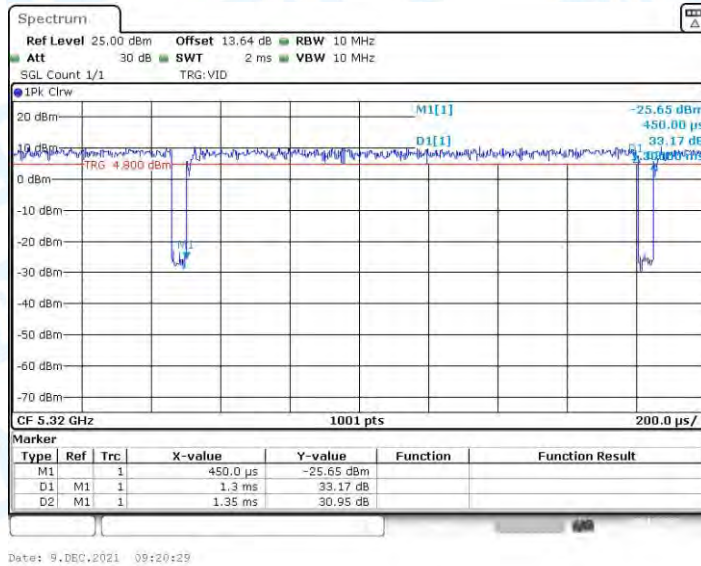
11N20SISO\_Ant1\_5240



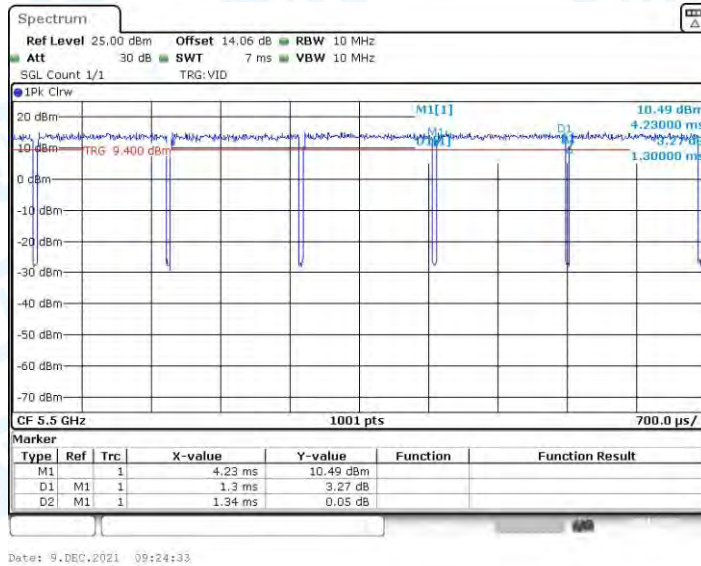
11N20SISO\_Ant1\_5260



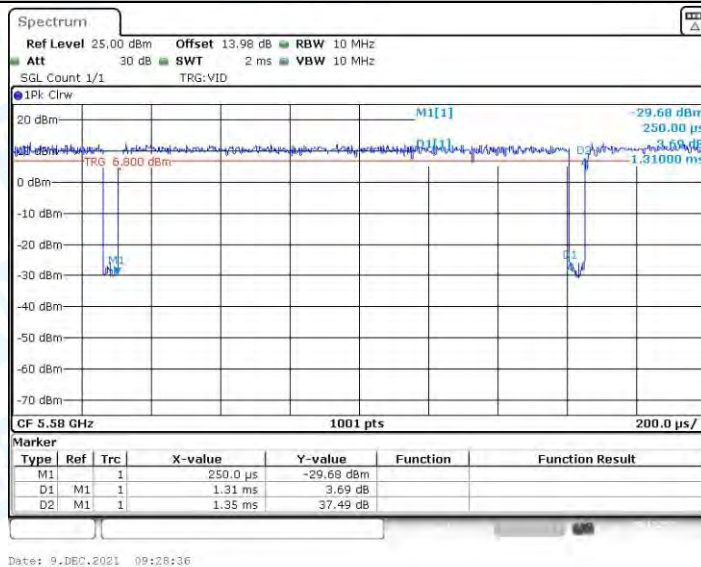
11N20SISO\_Ant1\_5300



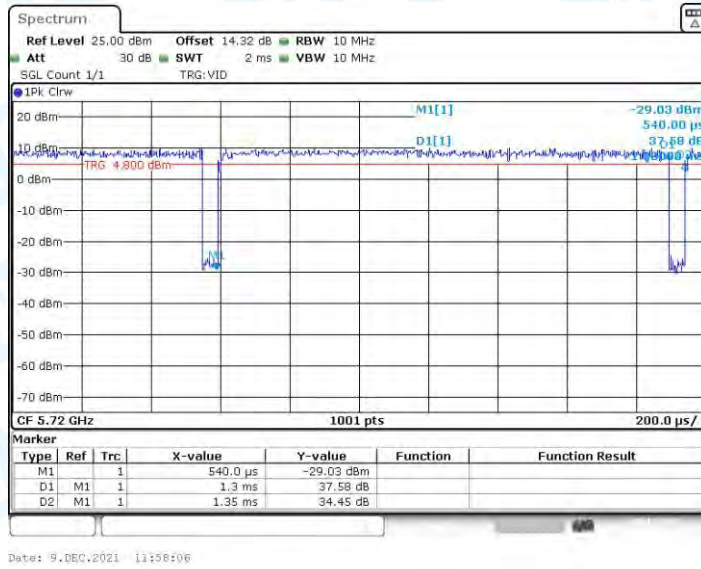
### 11N20SISO\_Ant1\_5320



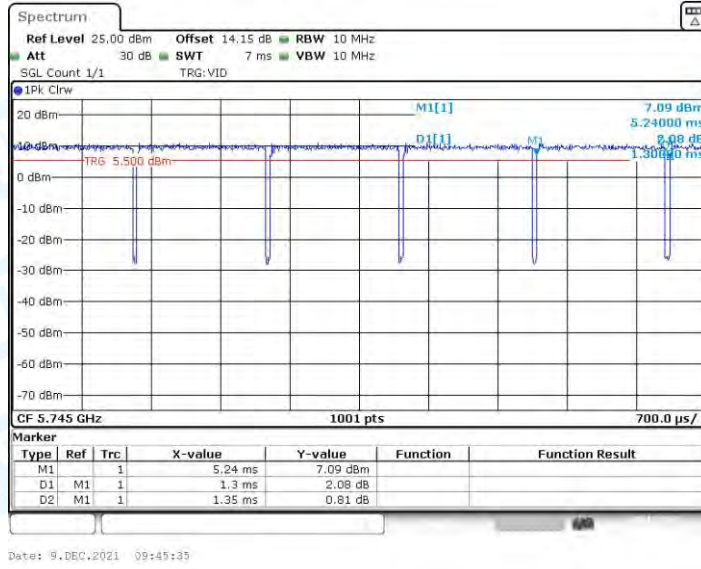
### 11N20SISO\_Ant1\_5500



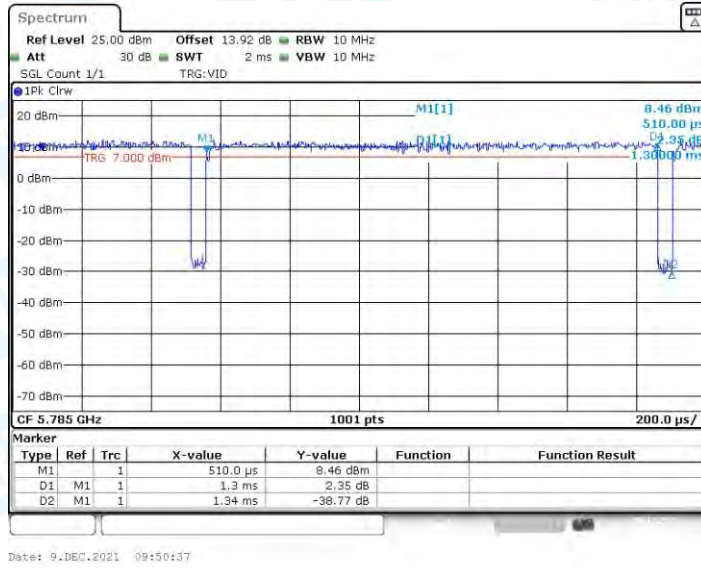
### 11N20SISO\_Ant1\_5580



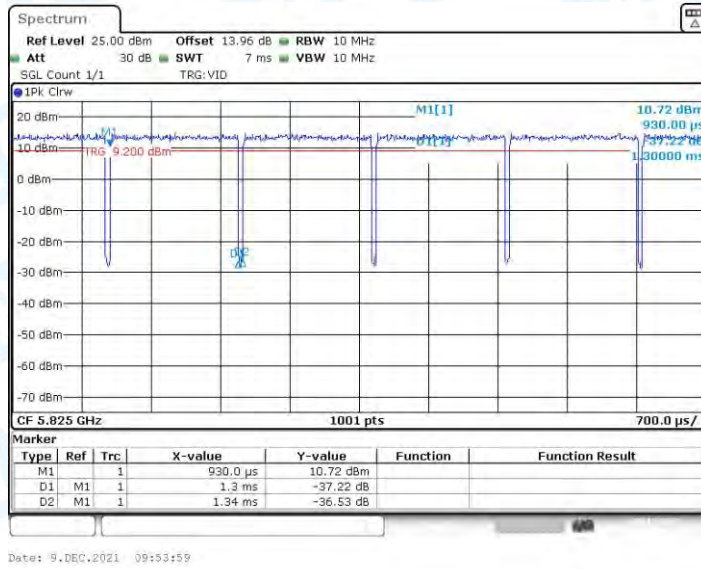
11N20SISO\_Ant1\_5720



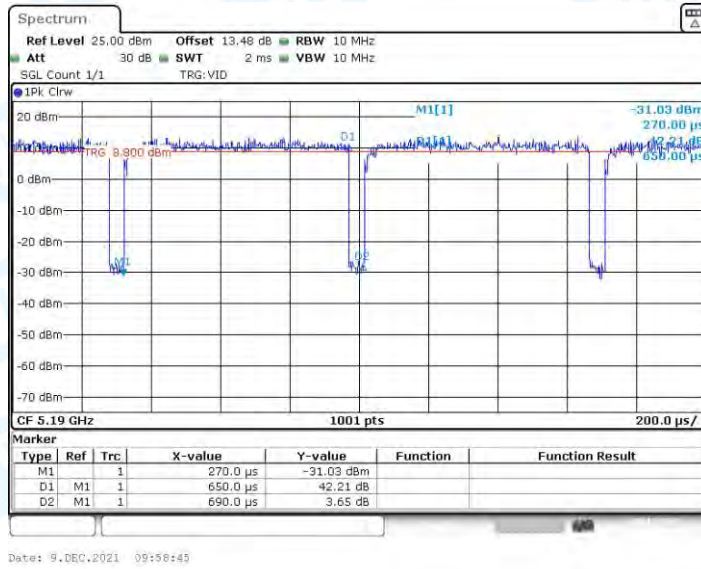
11N20SISO\_Ant1\_5745



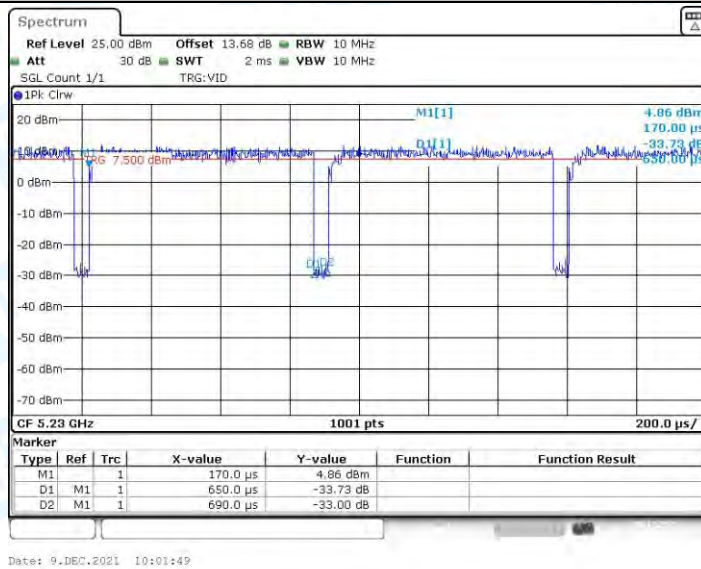
11N20SISO\_Ant1\_5785



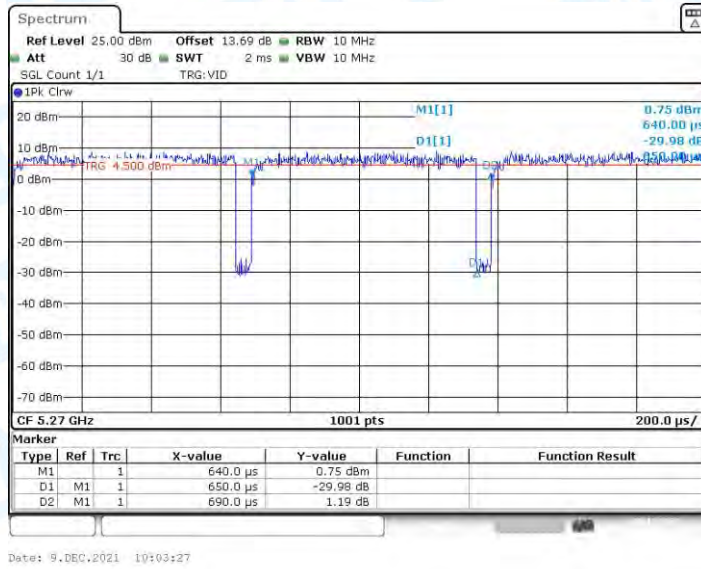
### 11N20SISO\_Ant1\_5825



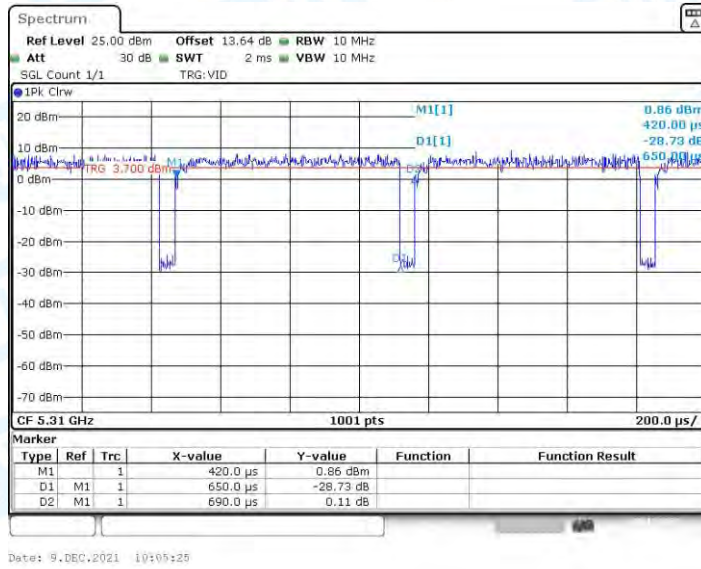
### 11N40SISO\_Ant1\_5190



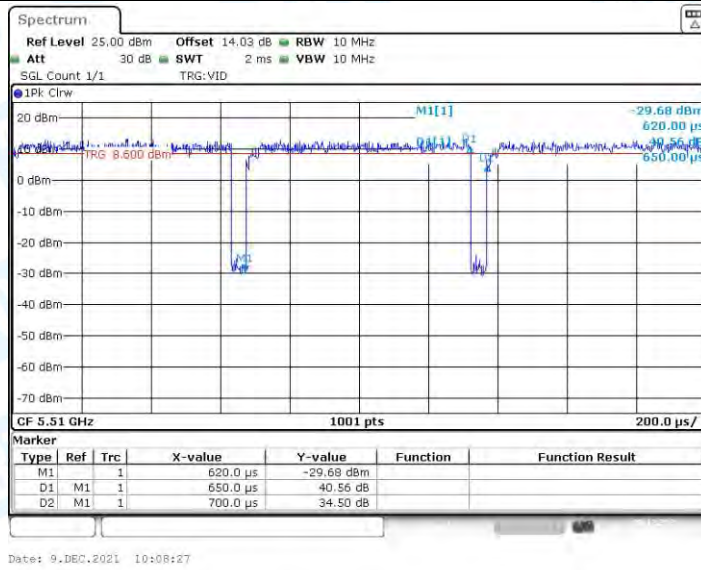
### 11N40SISO\_Ant1\_5230



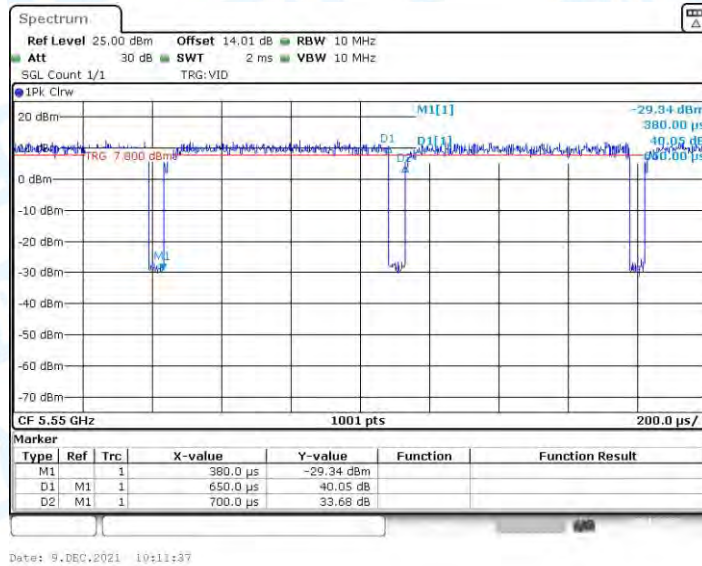
11N40SISO\_Ant1\_5270



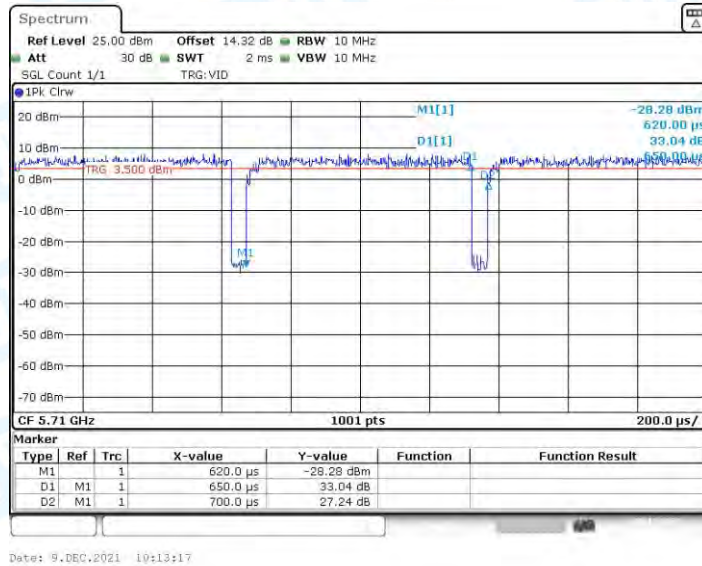
11N40SISO\_Ant1\_5310



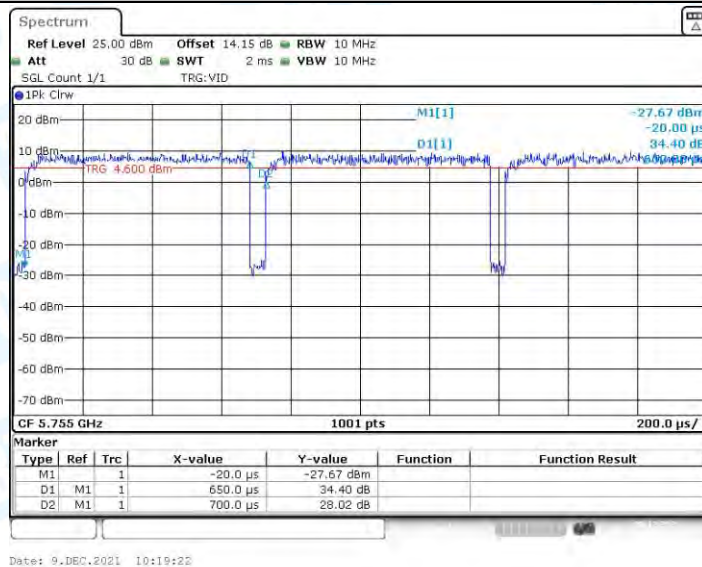
11N40SISO\_Ant1\_5510



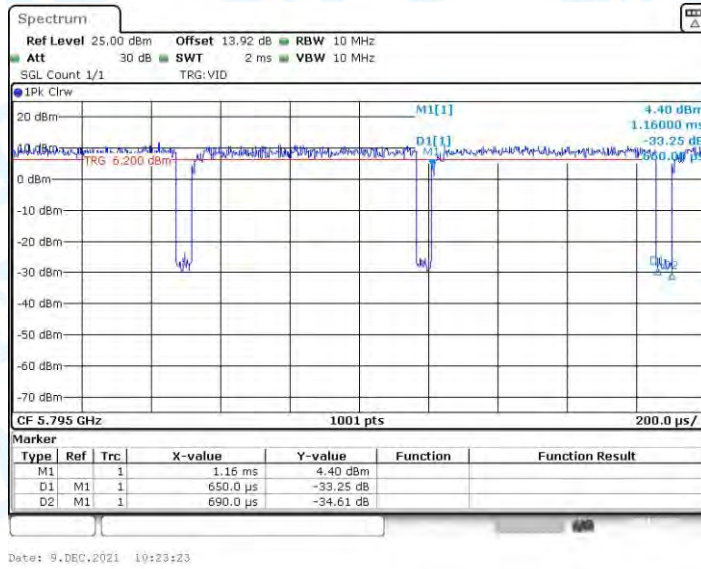
11N40SISO\_Ant1\_5550



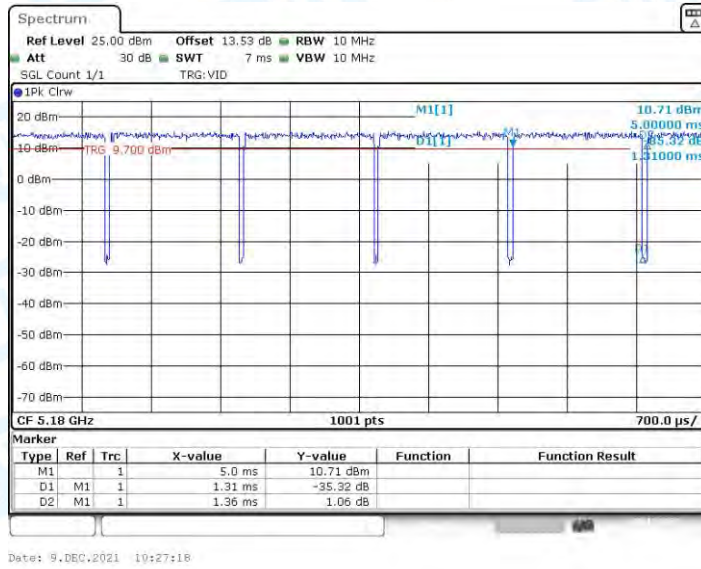
11N40SISO\_Ant1\_5710



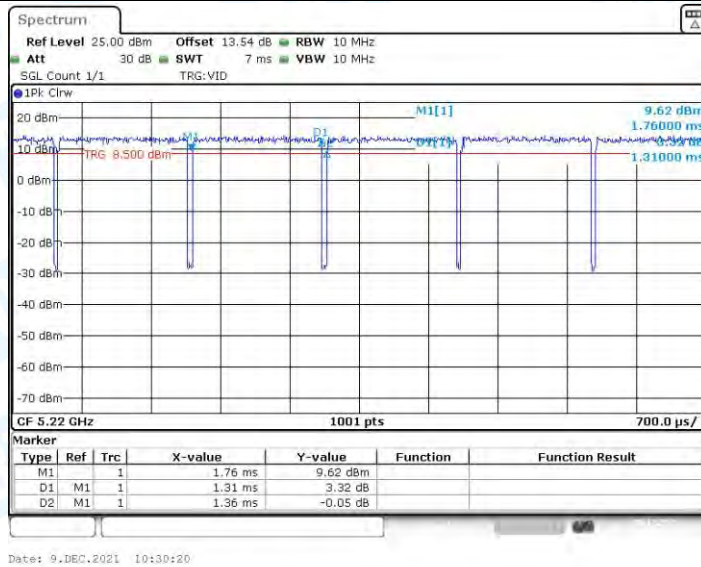
11N40SISO\_Ant1\_5755



### 11N40SISO\_Ant1\_5795

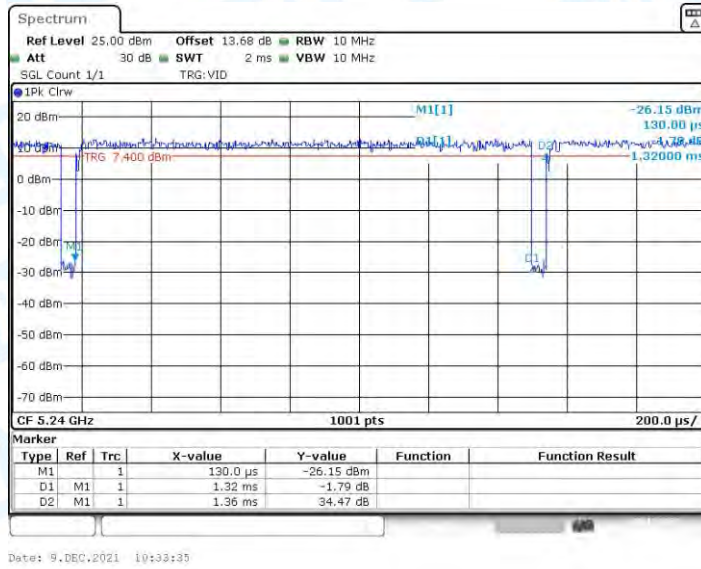


### 11AC20SISO\_Ant1\_5180

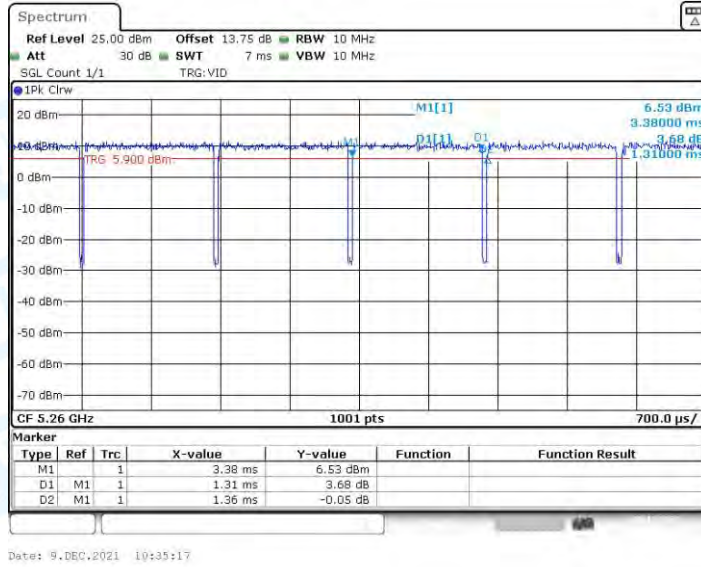


### 11AC20SISO\_Ant1\_5220

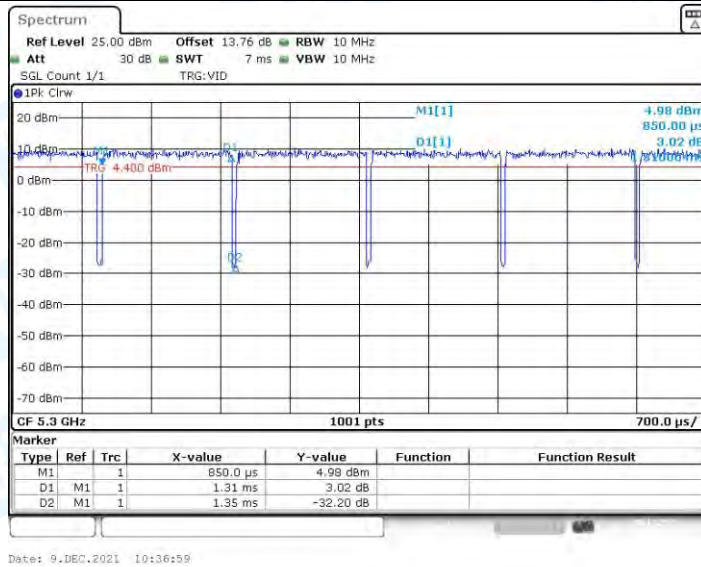




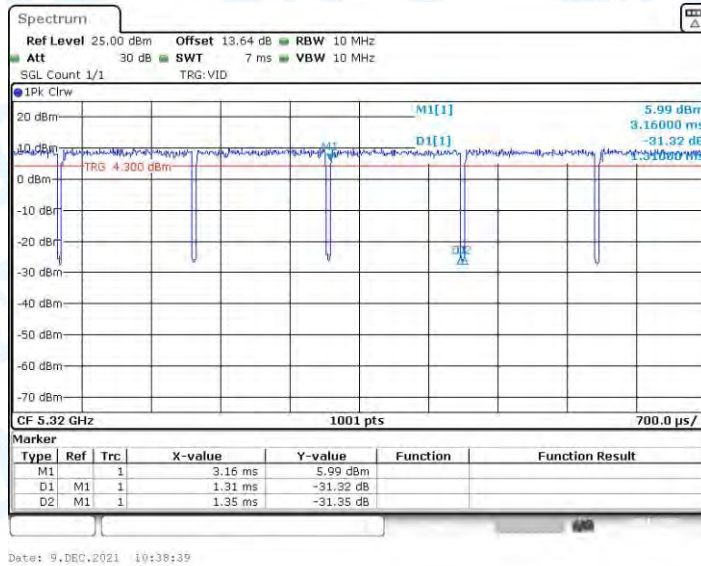
11AC20SISO\_Ant1\_5240



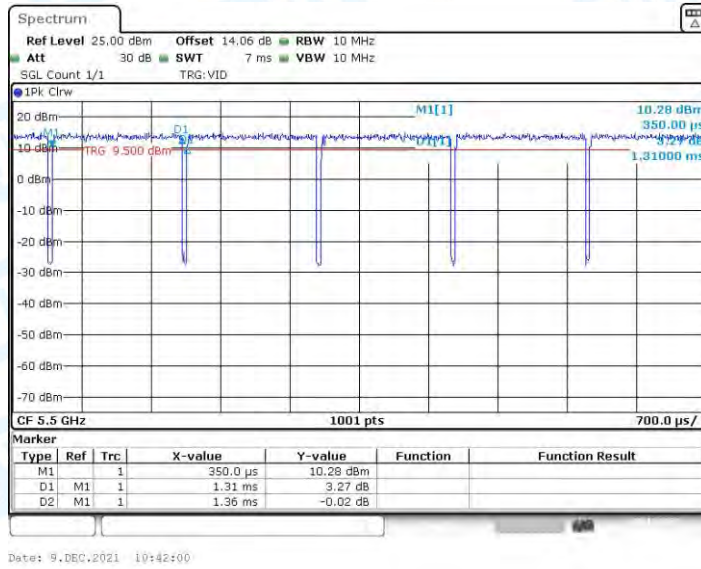
11AC20SISO\_Ant1\_5260



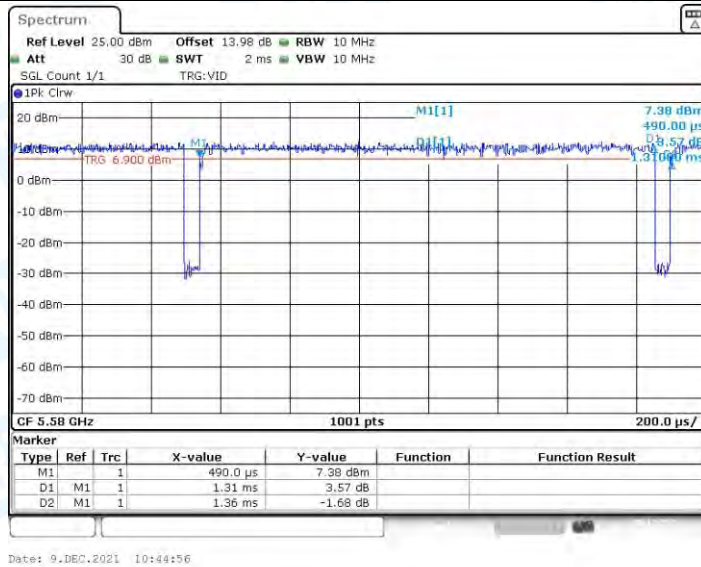
11AC20SISO\_Ant1\_5300



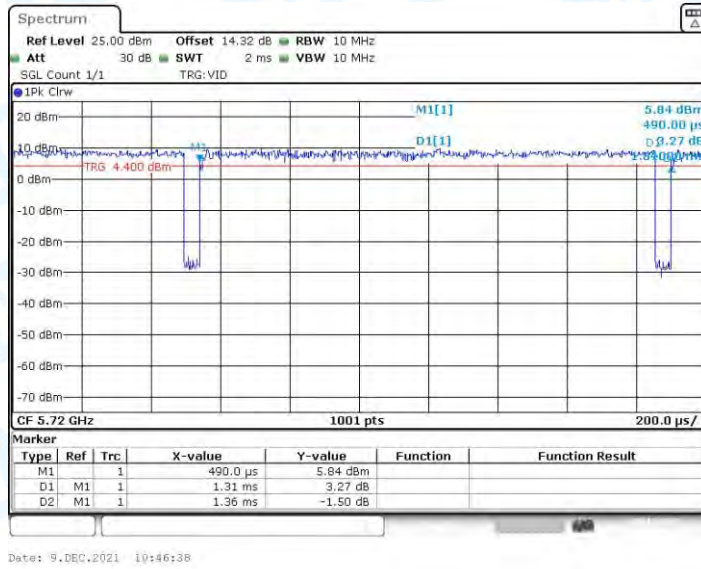
### 11AC20SISO\_Ant1\_5320



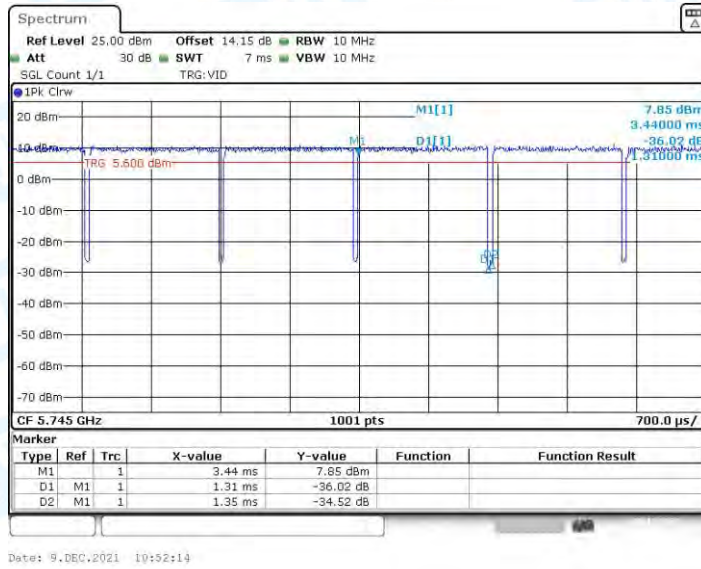
### 11AC20SISO\_Ant1\_5500



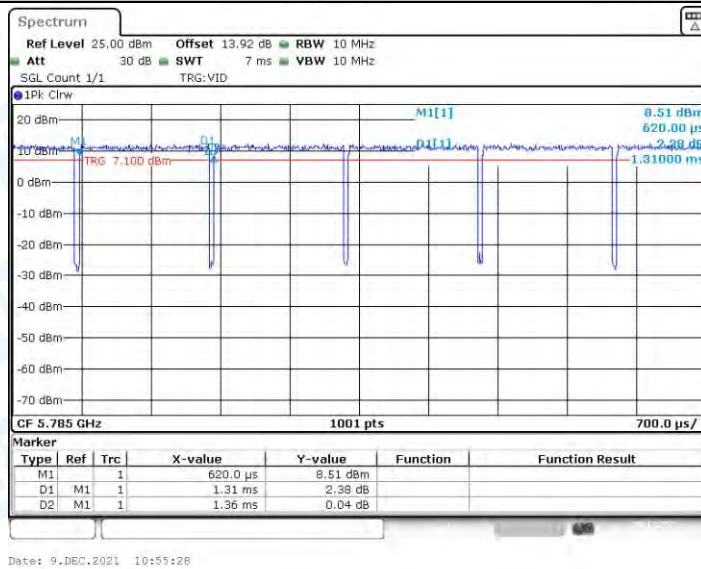
### 11AC20SISO\_Ant1\_5580



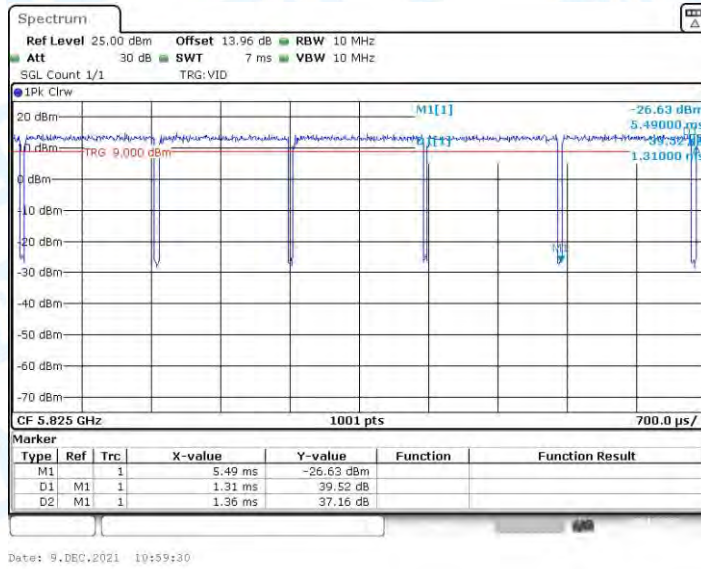
### 11AC20SISO\_Ant1\_5720



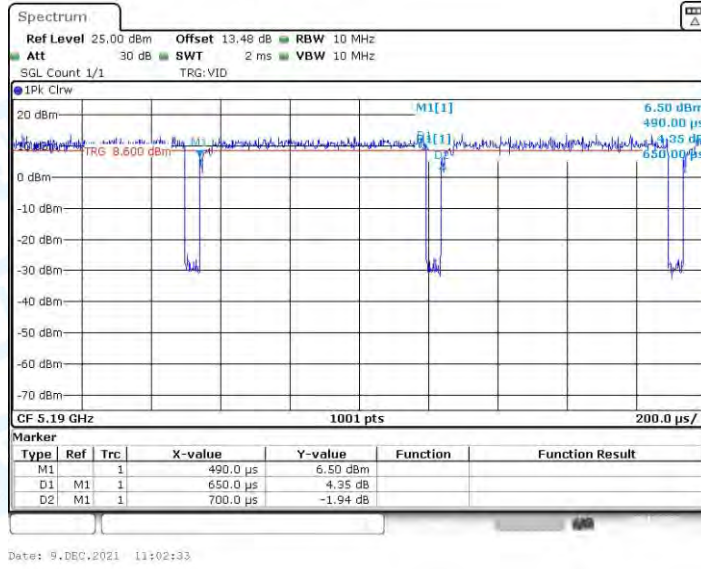
### 11AC20SISO\_Ant1\_5745



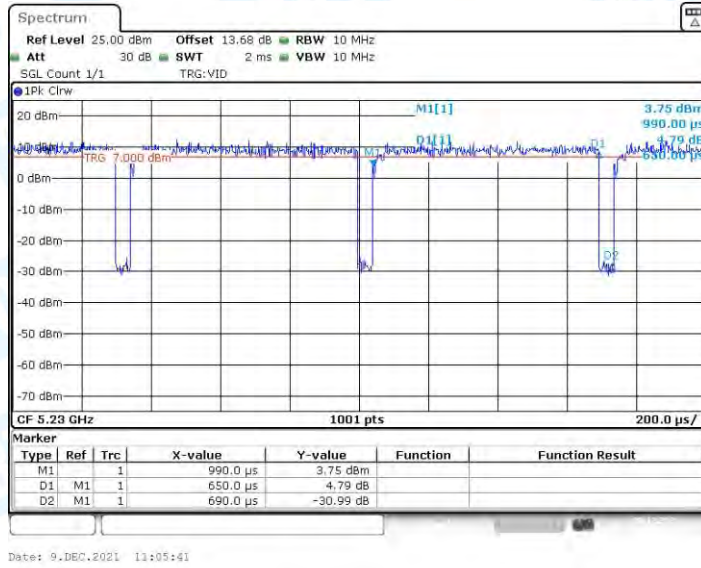
### 11AC20SISO\_Ant1\_5785



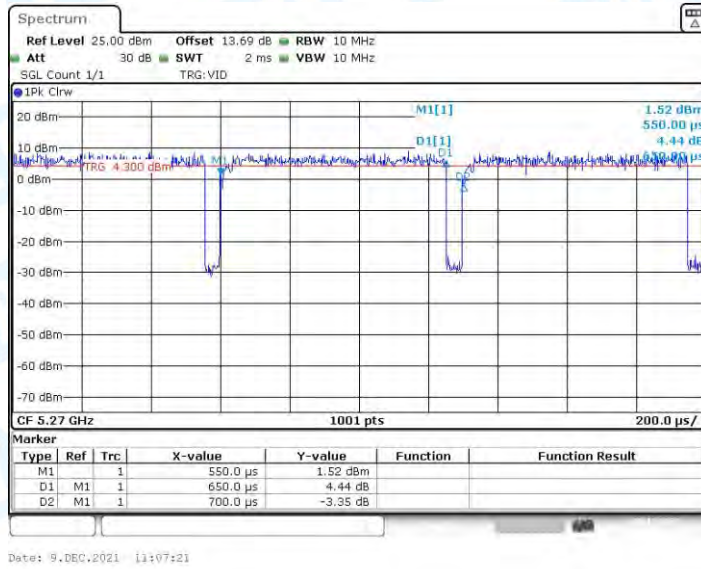
### 11AC20SISO\_Ant1\_5825



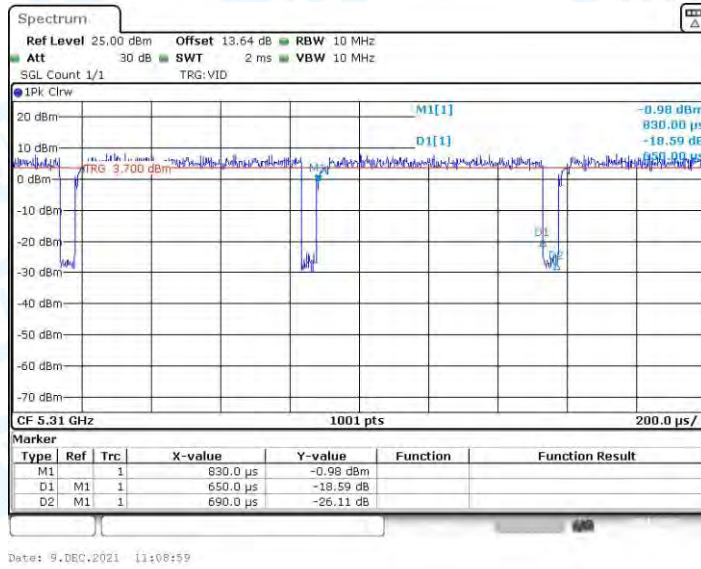
### 11AC40SISO\_Ant1\_5190



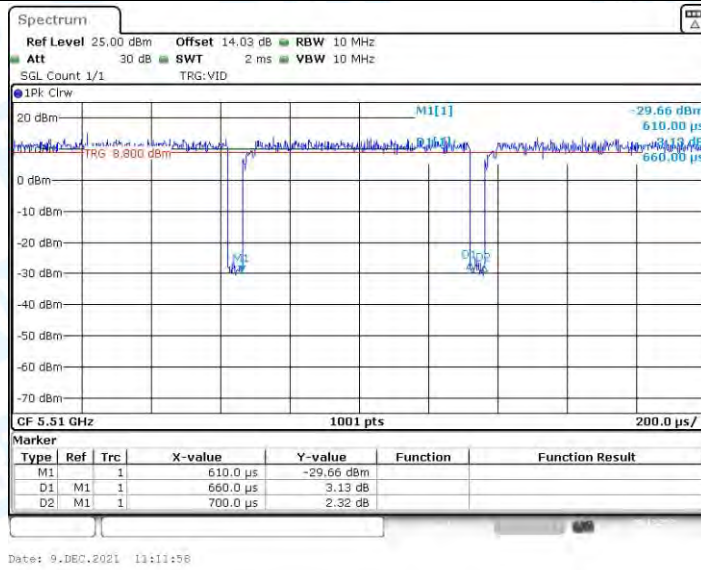
### 11AC40SISO\_Ant1\_5230



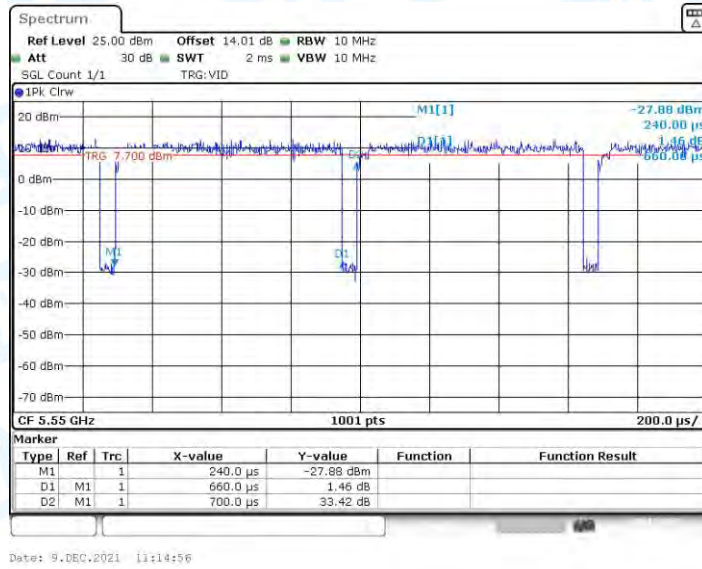
### 11AC40SISO\_Ant1\_5270



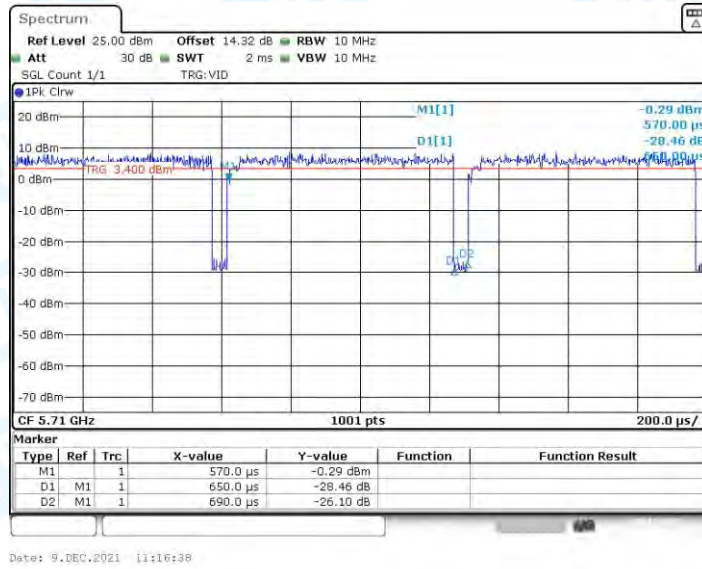
### 11AC40SISO\_Ant1\_5310



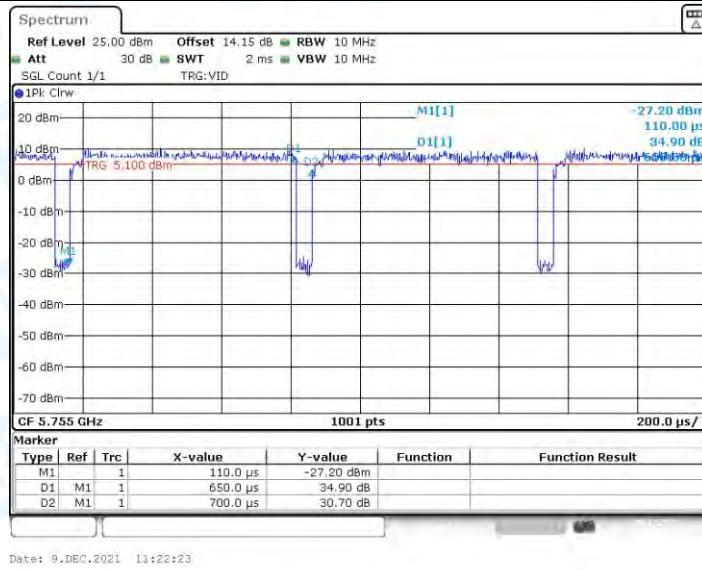
### 11AC40SISO\_Ant1\_5510



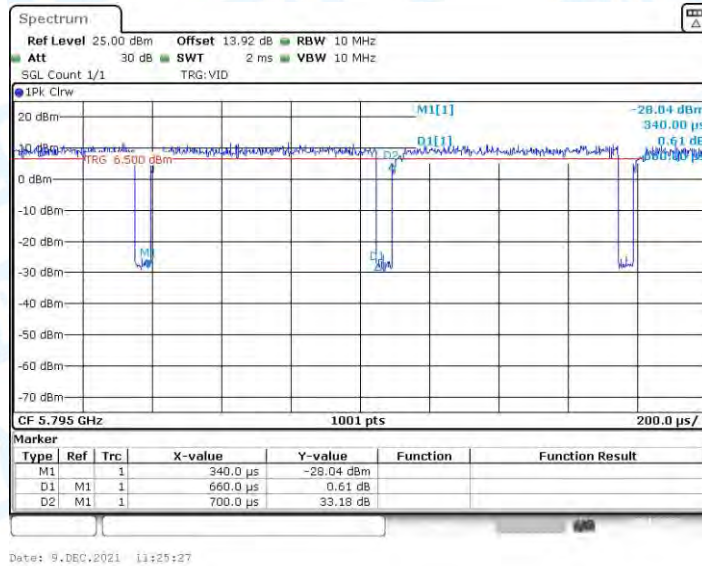
11AC40SISO\_Ant1\_5550



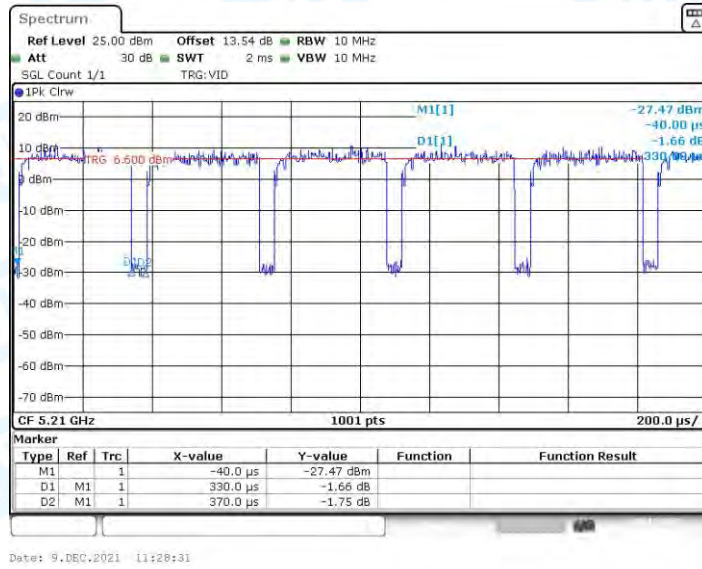
11AC40SISO\_Ant1\_5710



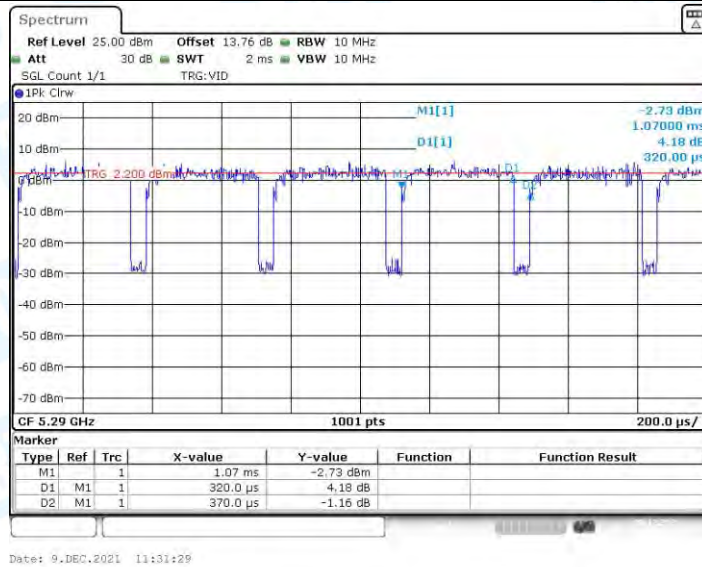
11AC40SISO\_Ant1\_5755



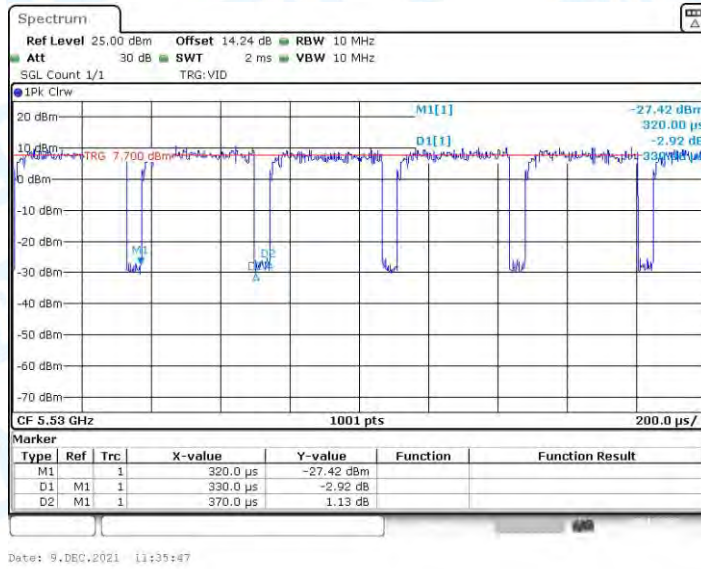
11AC40SISO\_Ant1\_5795



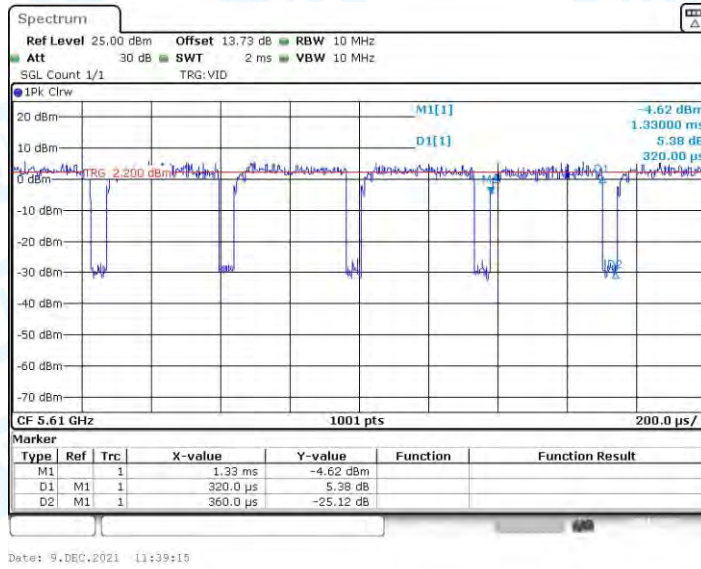
11AC80SISO\_Ant1\_5210



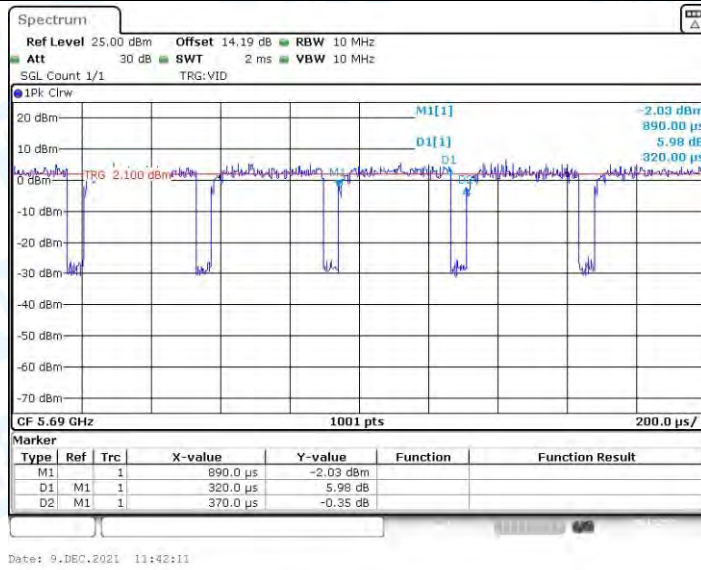
11AC80SISO\_Ant1\_5290



11AC80SISO\_Ant1\_5530

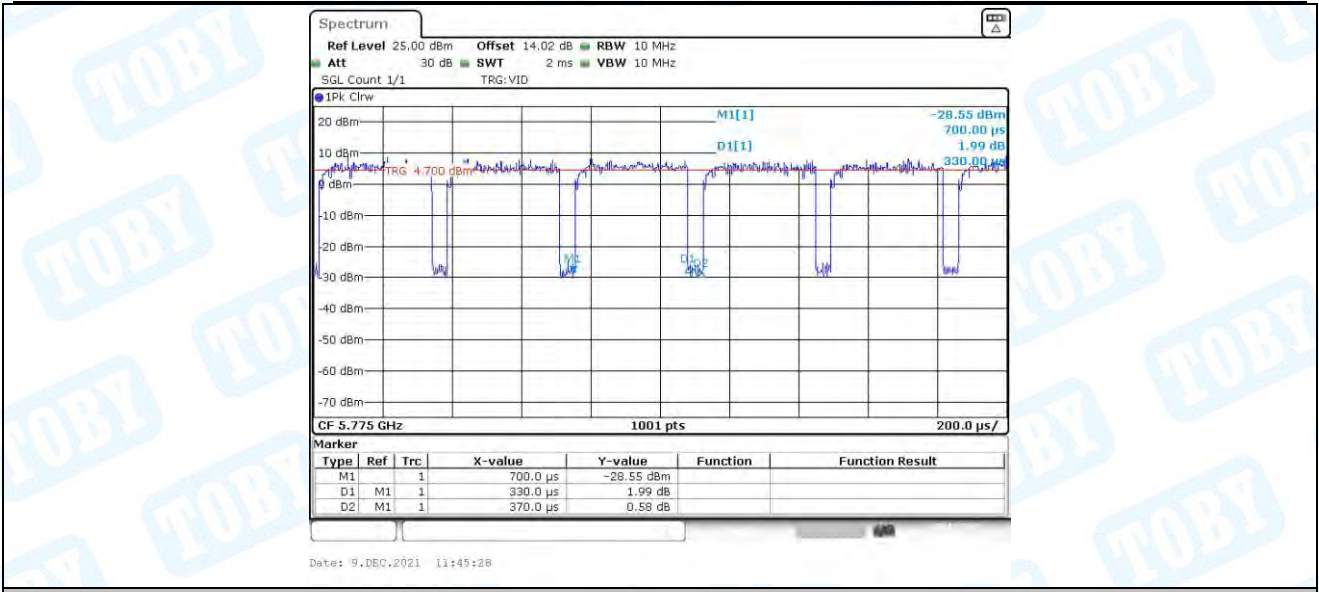


11AC80SISO\_Ant1\_5610



11AC80SISO\_Ant1\_5690





11AC80SISO\_Ant1\_5775

-----End of the report-----