

<b>Case No. :</b> <u>GTS20220510015-1-9</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>42</u> %RH,
<b>Test Date:</b> <u>2022/6/6</u> <b>Test Engineer:</b> <u>Jenny Zeng</u>

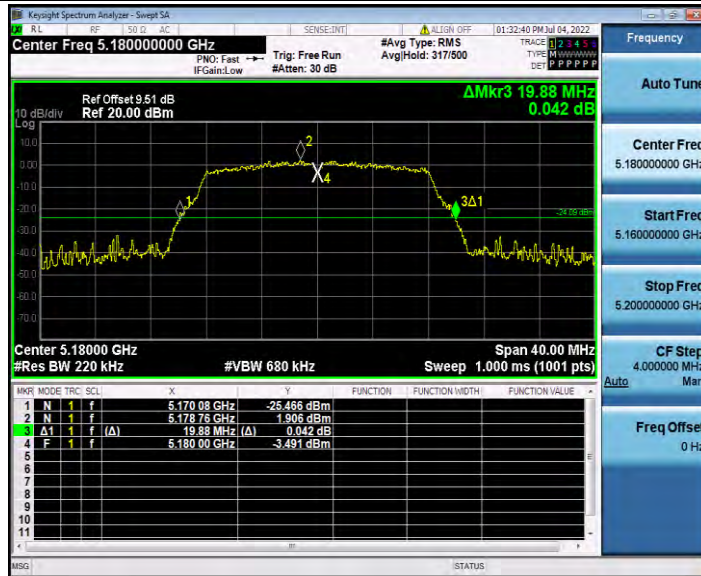
## Appendix D.1: Emission Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.880	5170.080	5189.960	---	---
		5200	20.040	5190.040	5210.080	---	---
		5240	19.920	5230.040	5249.960	---	---
11N20SISO	Ant1	5180	20.120	5170.000	5190.120	---	---
		5200	20.040	5189.960	5210.000	---	---
		5240	24.200	5227.200	5251.400	---	---
11N40SISO	Ant1	5190	40.320	5170.000	5210.320	---	---
		5230	40.480	5209.680	5250.160	---	---
11AC20SISO	Ant1	5180	20.120	5170.000	5190.120	---	---
		5200	20.320	5189.920	5210.240	---	---
		5240	20.280	5229.880	5250.160	---	---
11AC40SISO	Ant1	5190	40.240	5170.000	5210.240	---	---
		5230	40.880	5209.680	5250.560	---	---
11AC80SISO	Ant1	5210	80.800	5169.840	5250.640	---	---

# Test Graphs

11A\_Ant1\_5180



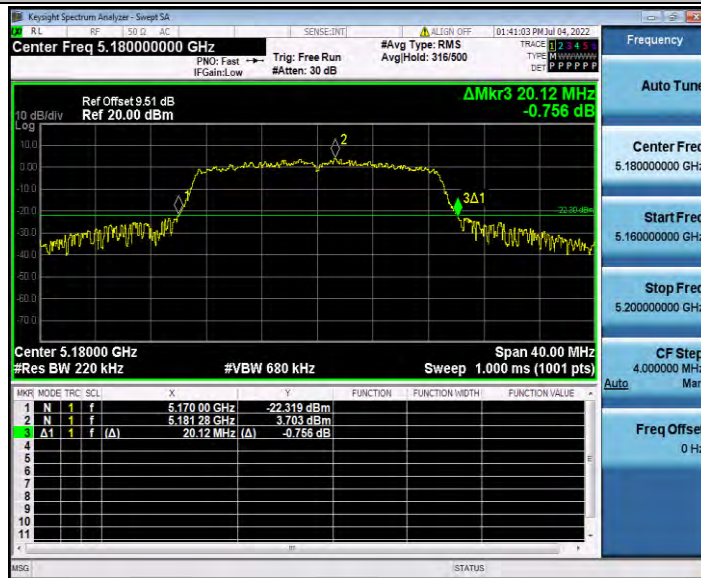
11A\_Ant1\_5200



11A\_Ant1\_5240



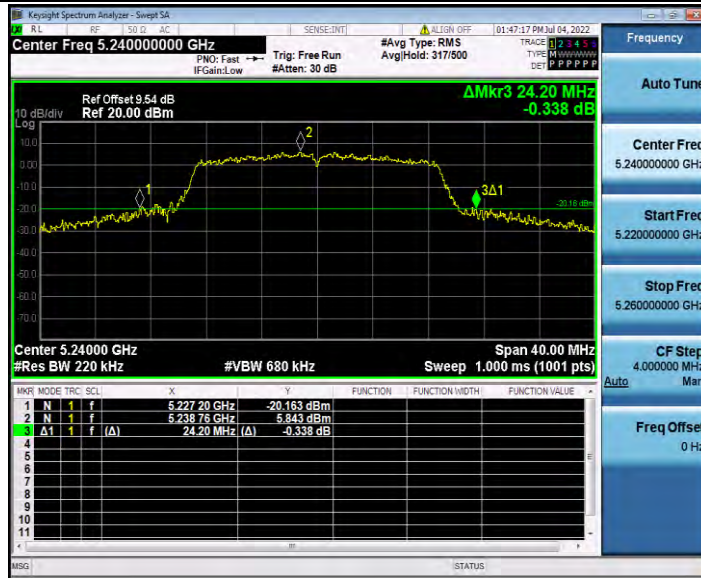
11N20SISO\_Ant1\_5180



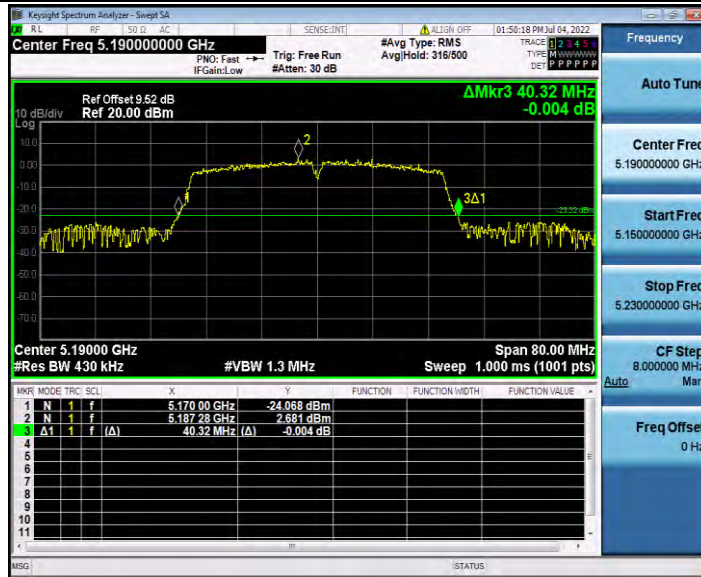
11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190

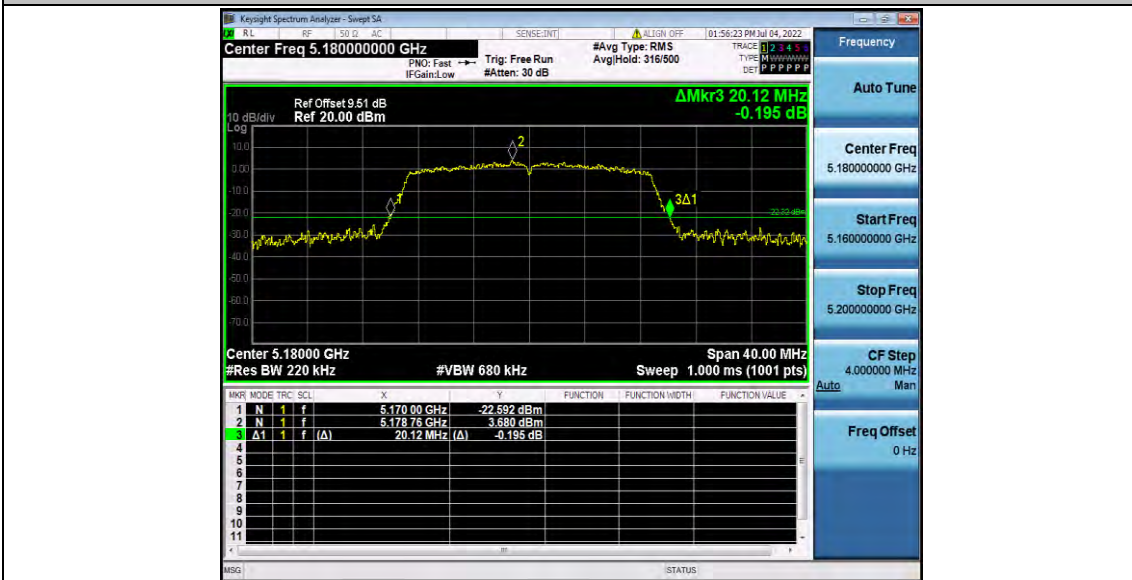


11N40SISO\_Ant1\_5230





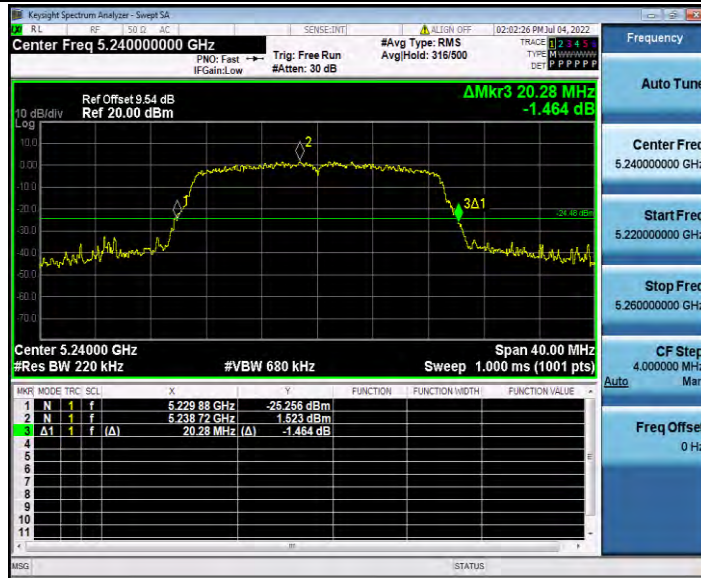
11AC20SISO\_Ant1\_5180



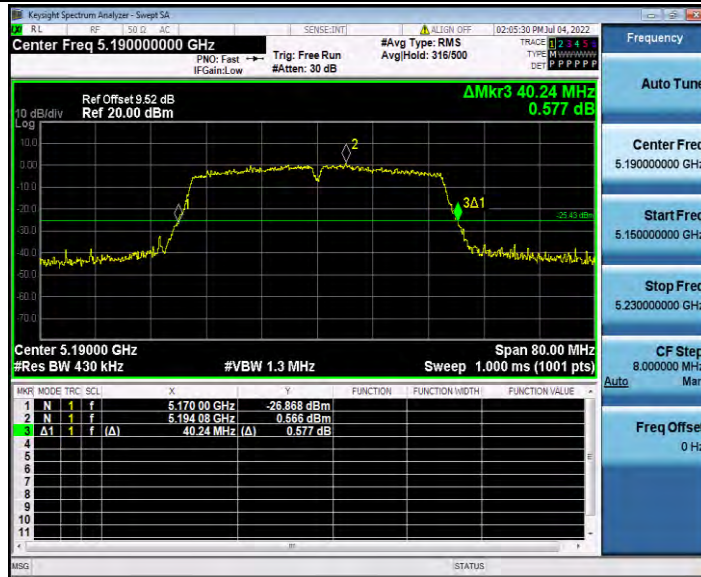
11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



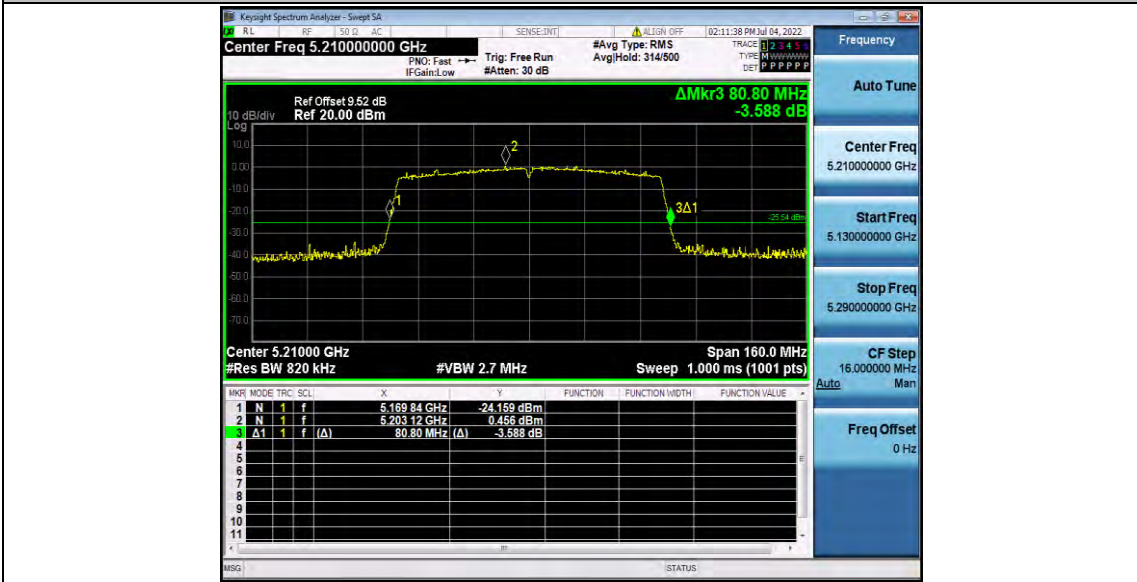
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



## Appendix D.2: Occupied channel bandwidth

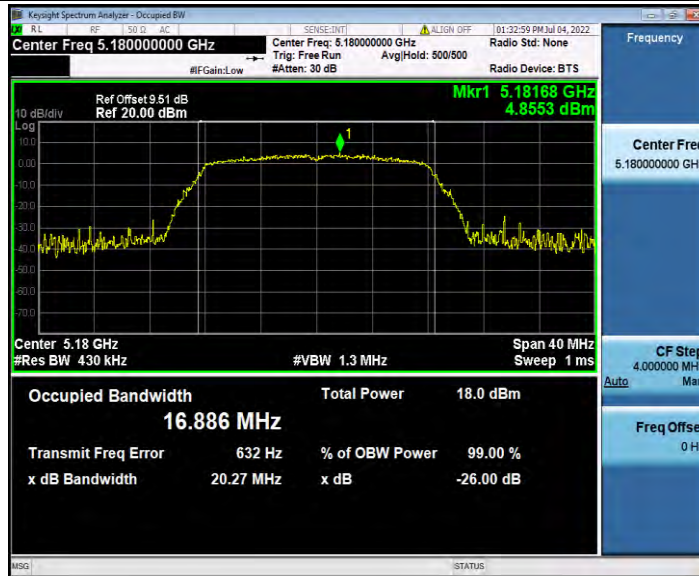
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.886	5171.558	5188.444	---	---
		5200	17.033	5191.515	5208.548	---	---
		5240	17.006	5231.476	5248.482	---	---
11N20SISO	Ant1	5180	17.947	5171.037	5188.984	---	---
		5200	17.969	5191.008	5208.977	---	---
		5240	18.127	5230.926	5249.053	---	---
11N40SISO	Ant1	5190	36.519	5171.834	5208.353	---	---
		5230	36.239	5211.920	5248.159	---	---
11AC20SISO	Ant1	5180	17.893	5171.049	5188.942	---	---
		5200	17.859	5191.078	5208.937	---	---
		5240	17.868	5231.043	5248.911	---	---
11AC40SISO	Ant1	5190	36.297	5171.890	5208.187	---	---
		5230	36.230	5211.943	5248.173	---	---
11AC80SISO	Ant1	5210	75.155	5172.536	5247.691	---	---

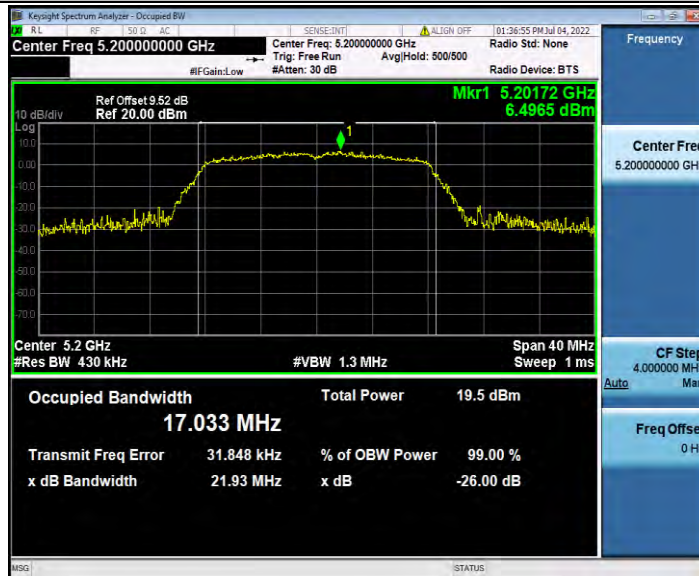


# Test Graphs

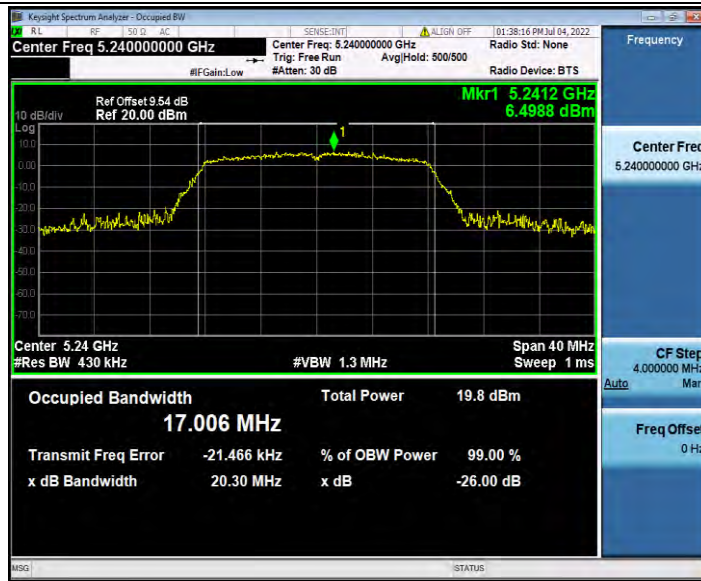
11A\_Ant1\_5180



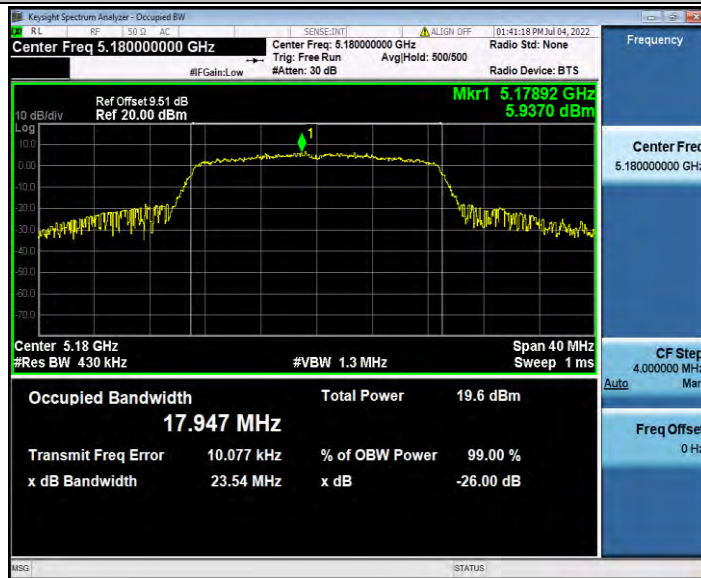
11A\_Ant1\_5200



11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



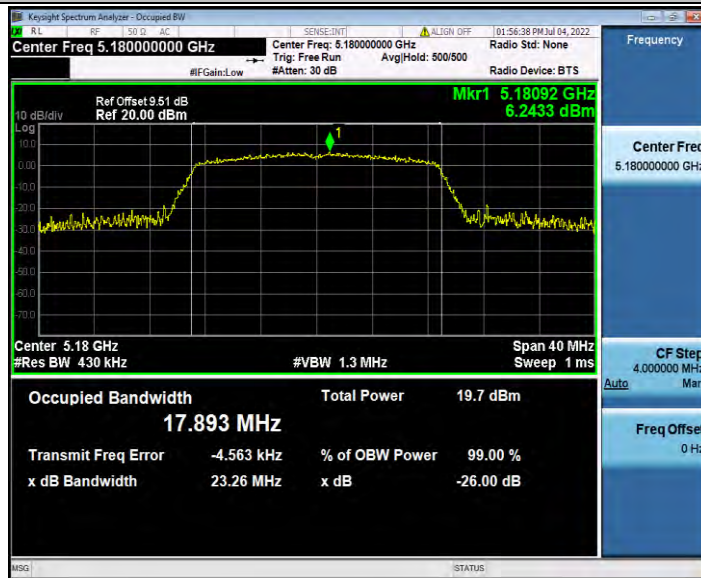
11N40SISO\_Ant1\_5190



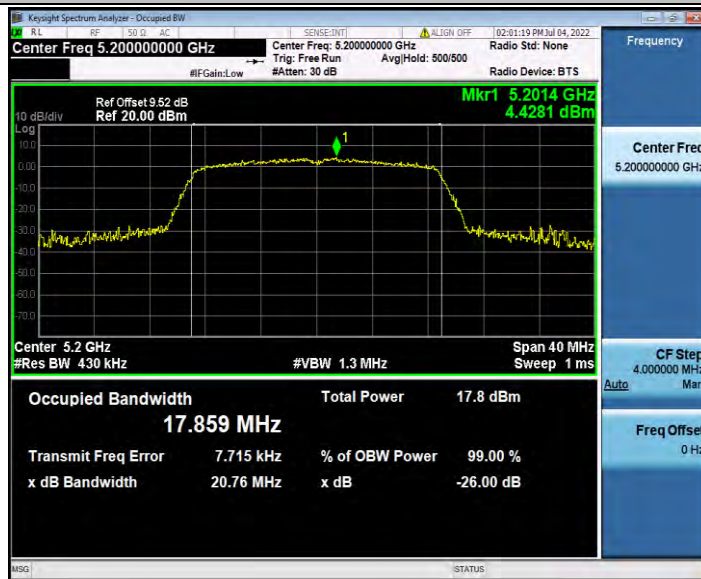
11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200





11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190

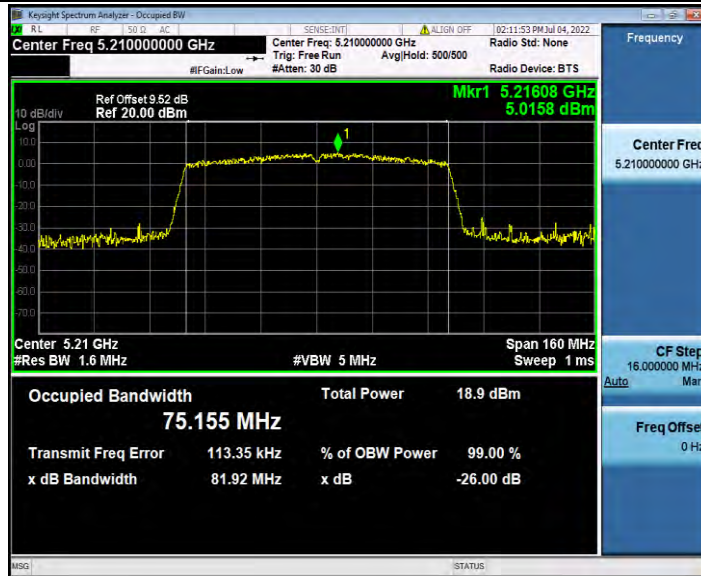


11AC40SISO\_Ant1\_5230





11AC80SISO\_Ant1\_5210



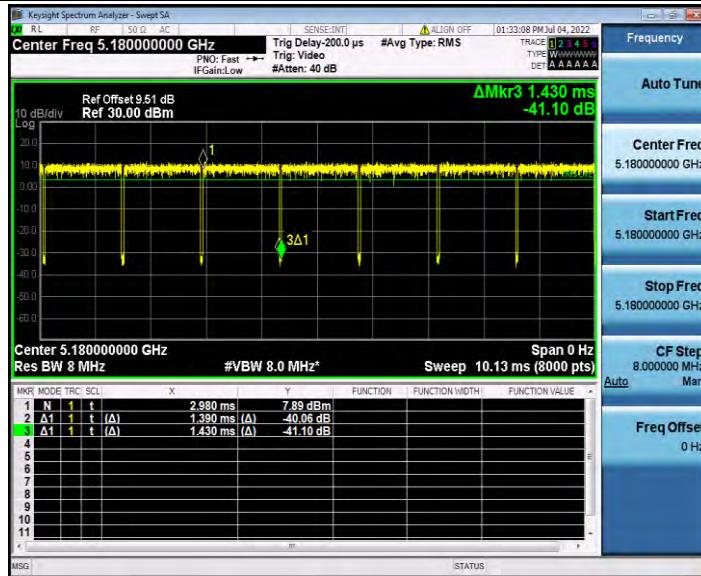
## Appendix D.3: Duty Cycle

### Test Result

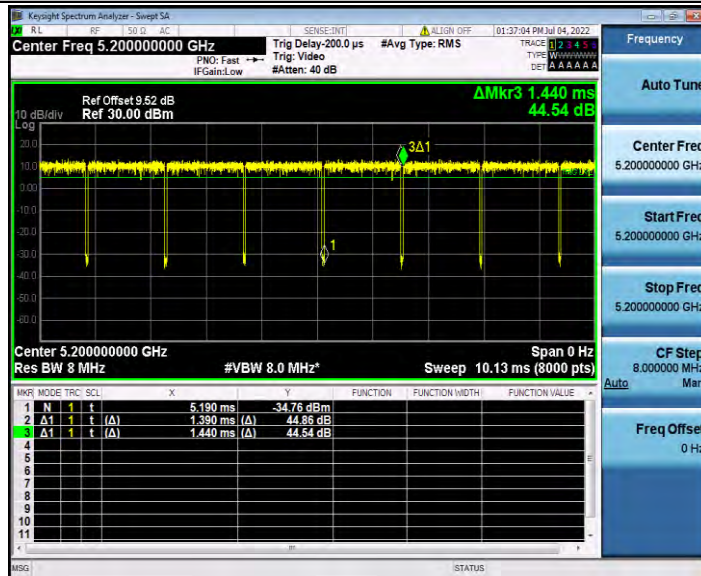
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5180	1.39	1.43	97.20	0.12
		5200	1.39	1.44	96.53	0.15
		5240	1.39	1.43	97.20	0.12
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13
		5200	1.30	1.34	97.01	0.13
		5240	1.30	1.34	97.01	0.13
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.65	0.70	92.86	0.32
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16
		5200	1.31	1.36	96.32	0.16
		5240	1.31	1.36	96.32	0.16
11AC40SISO	Ant1	5190	0.65	0.70	92.86	0.32
		5230	0.65	0.70	92.86	0.32
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63

# Test Graphs

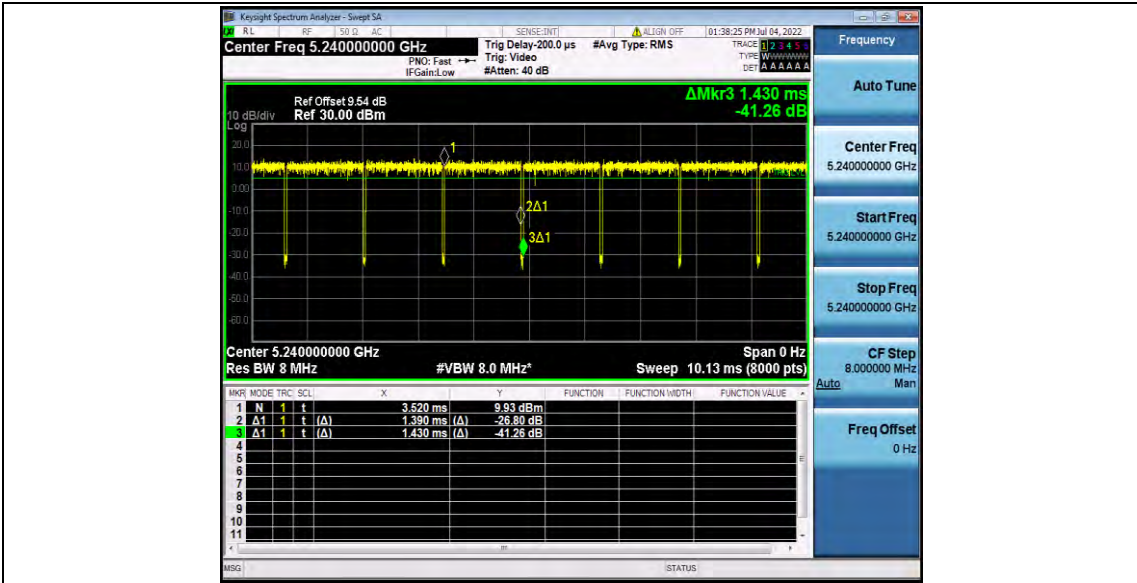
11A\_Ant1\_5180



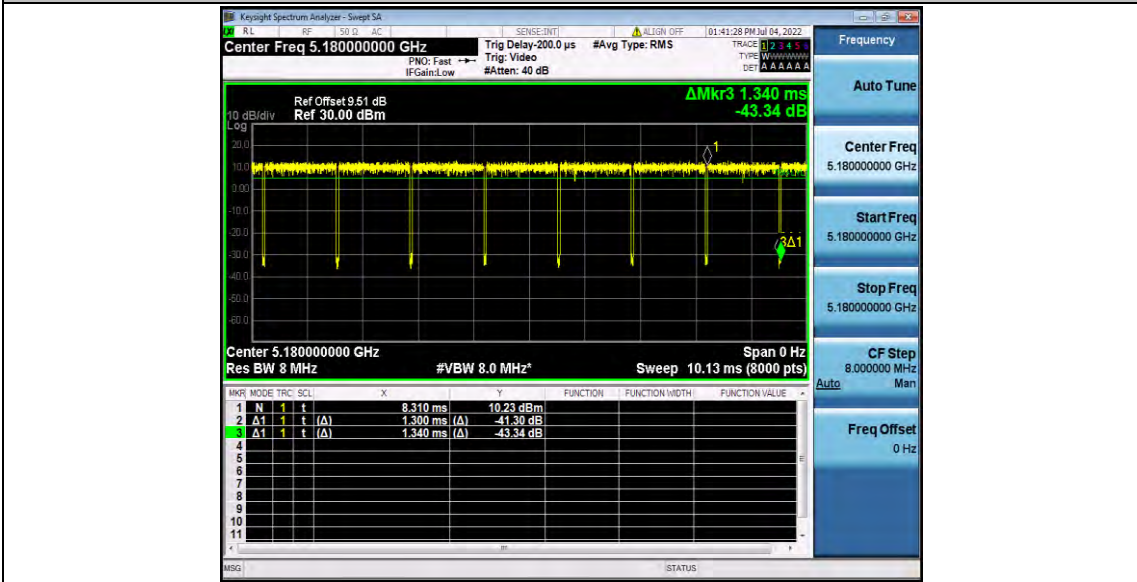
11A\_Ant1\_5200



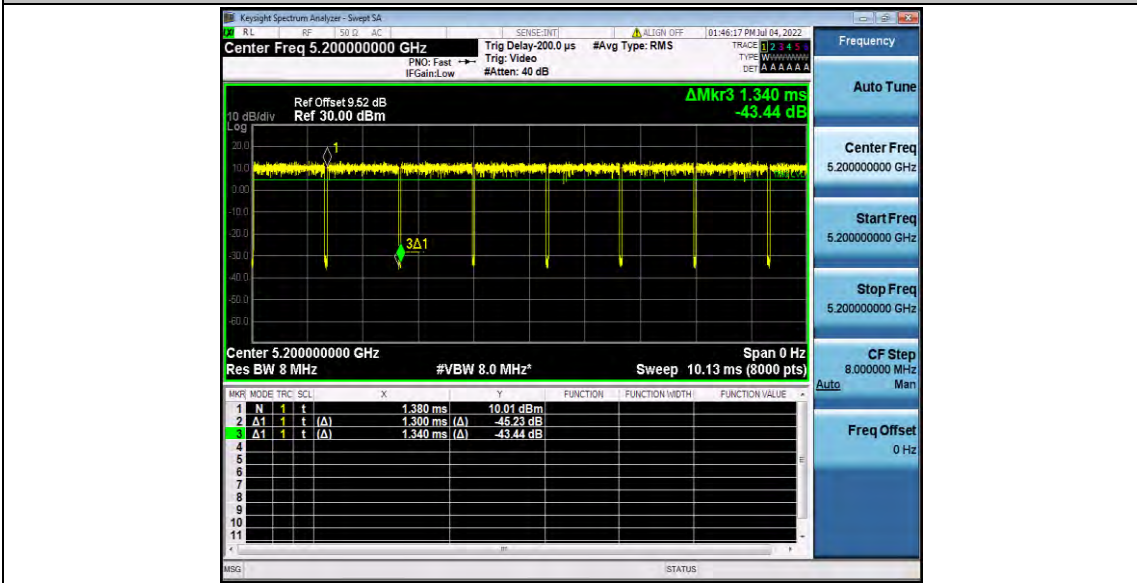
11A\_Ant1\_5240



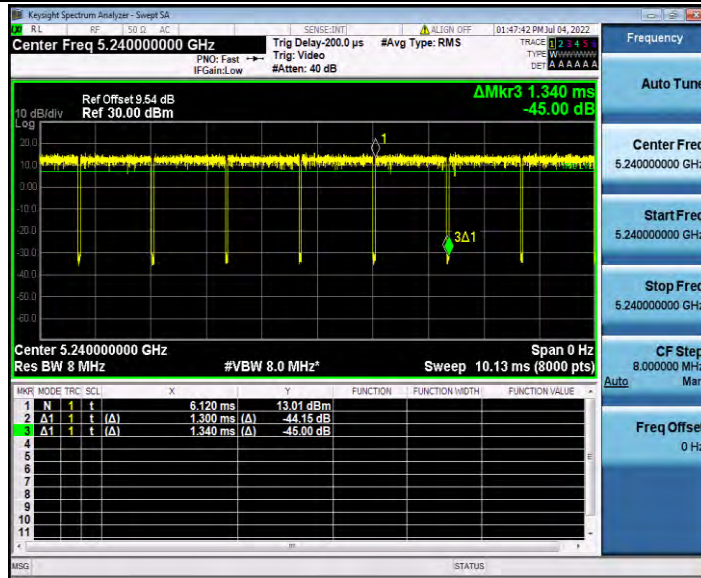
11N20SISO\_Ant1\_5180



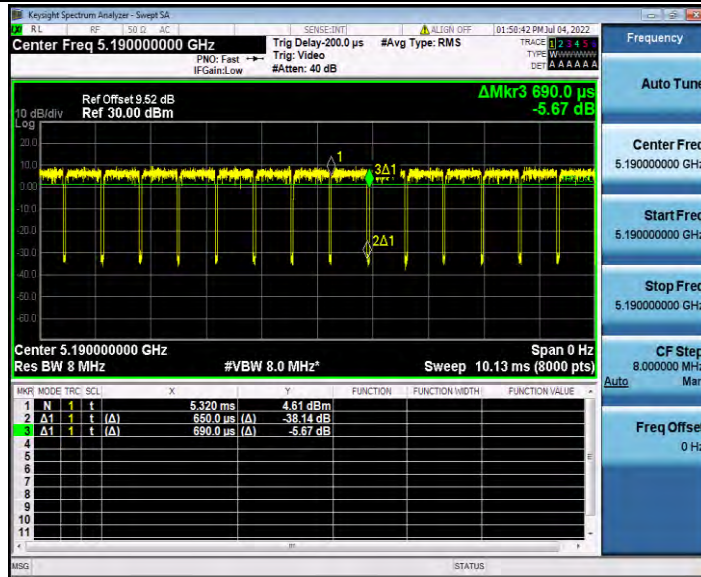
11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240

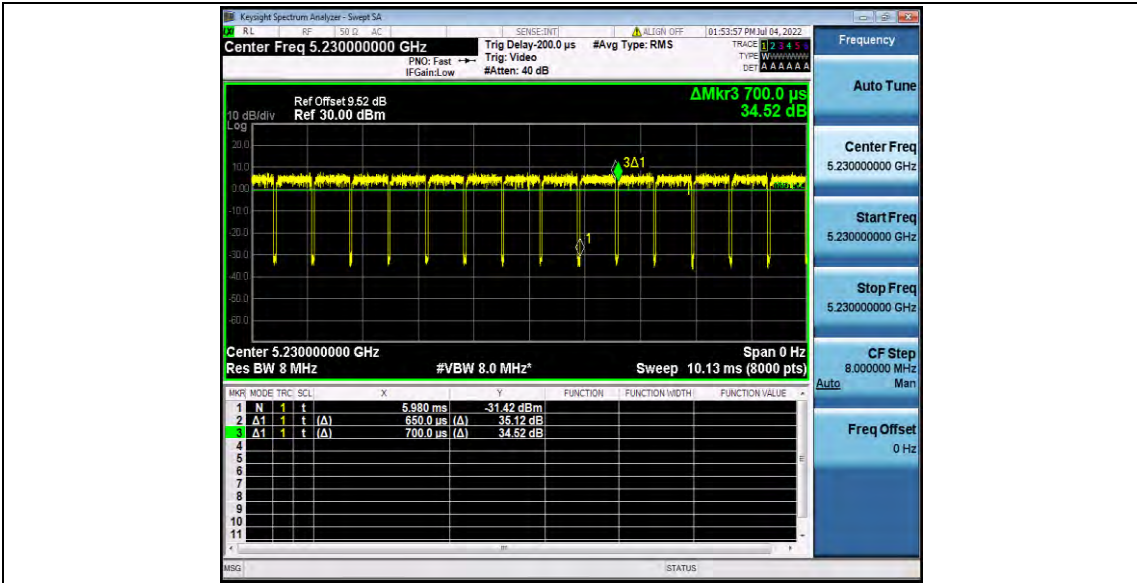


11N40SISO\_Ant1\_5190

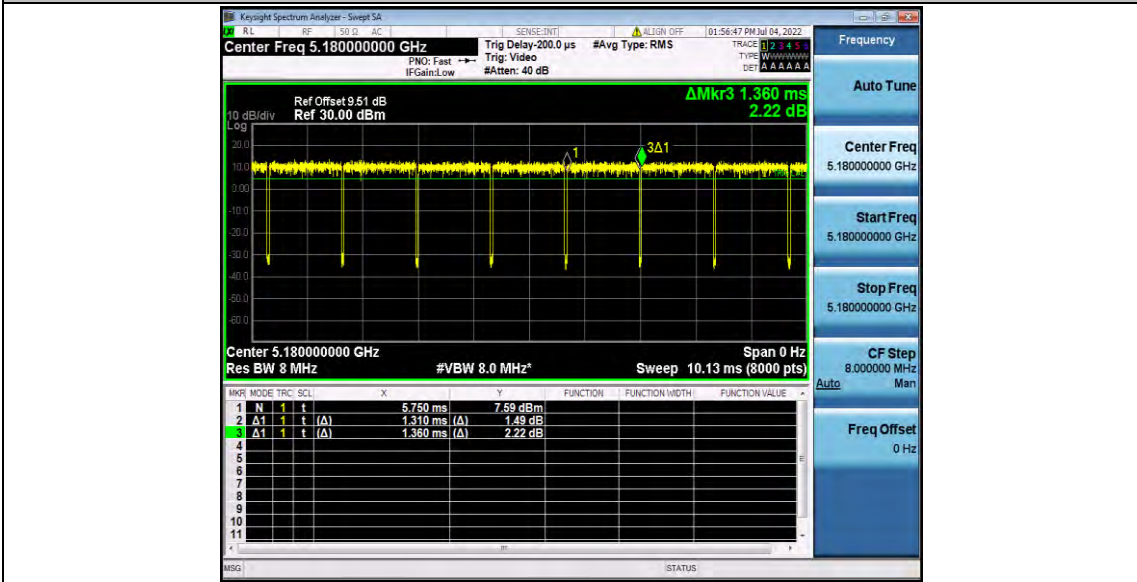


11N40SISO\_Ant1\_5230

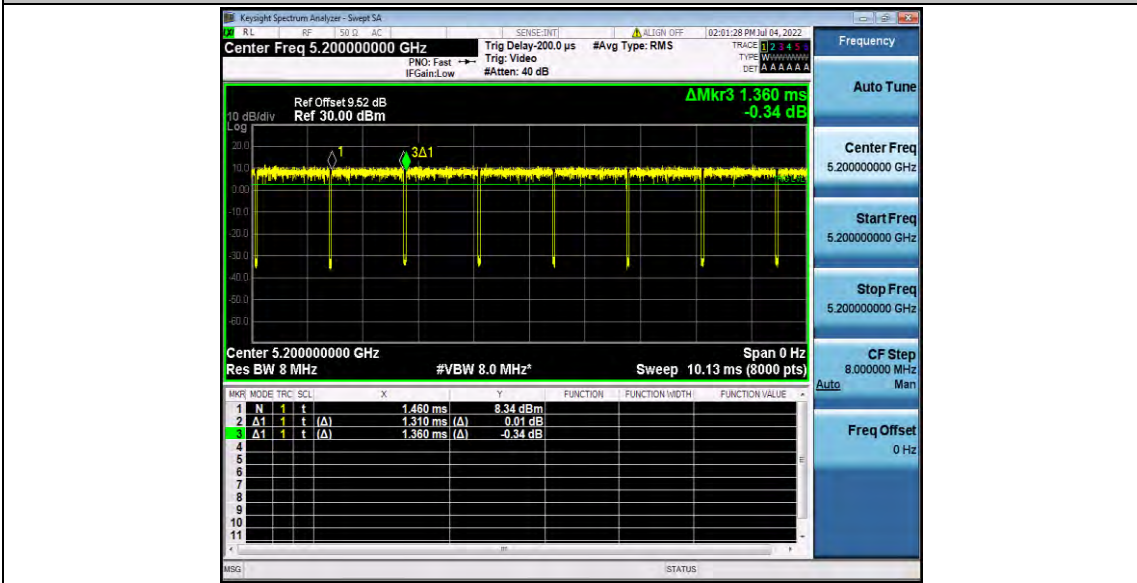




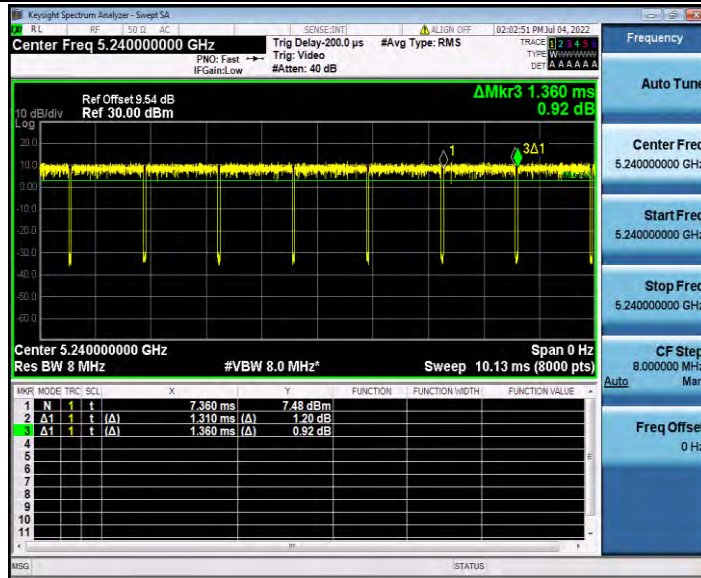
11AC20SISO\_Ant1\_5180



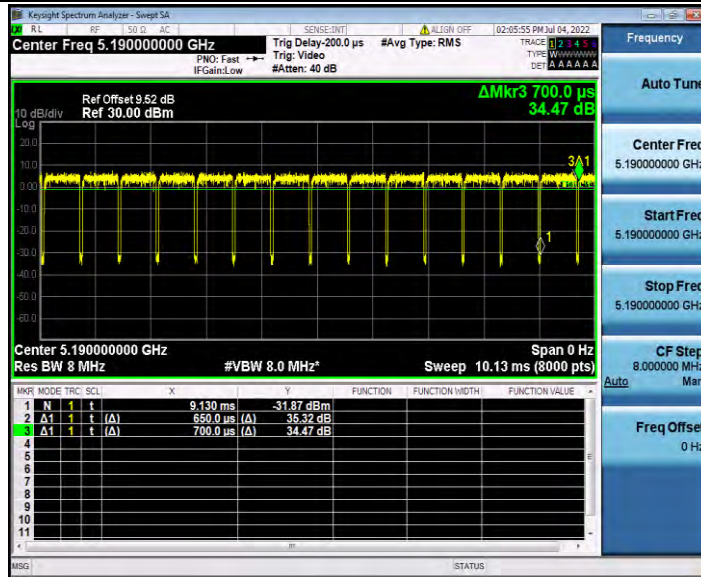
11AC20SISO\_Ant1\_5200



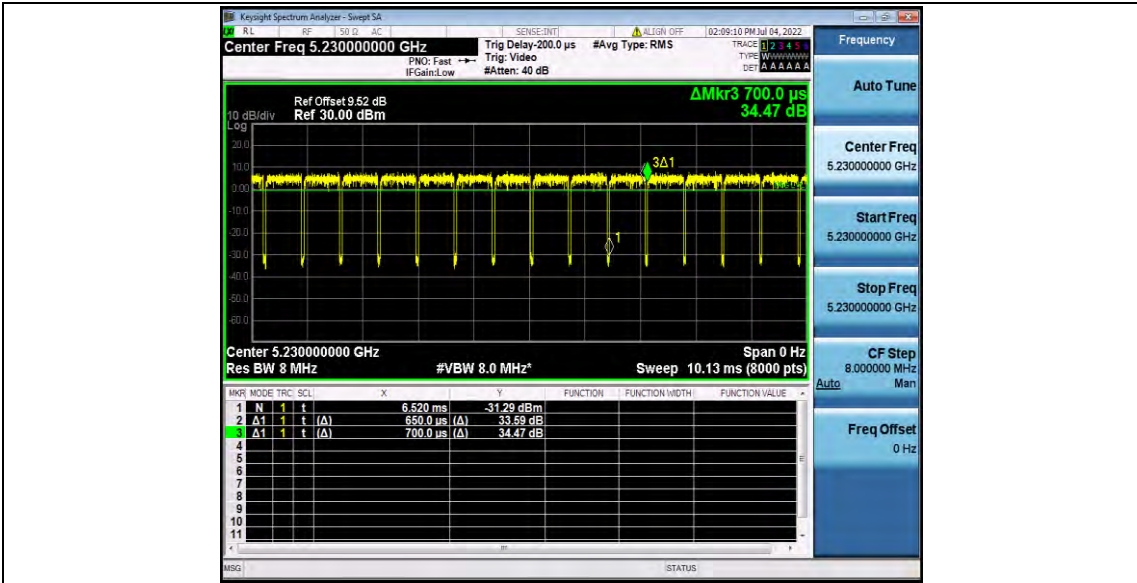
11AC20SISO\_Ant1\_5240



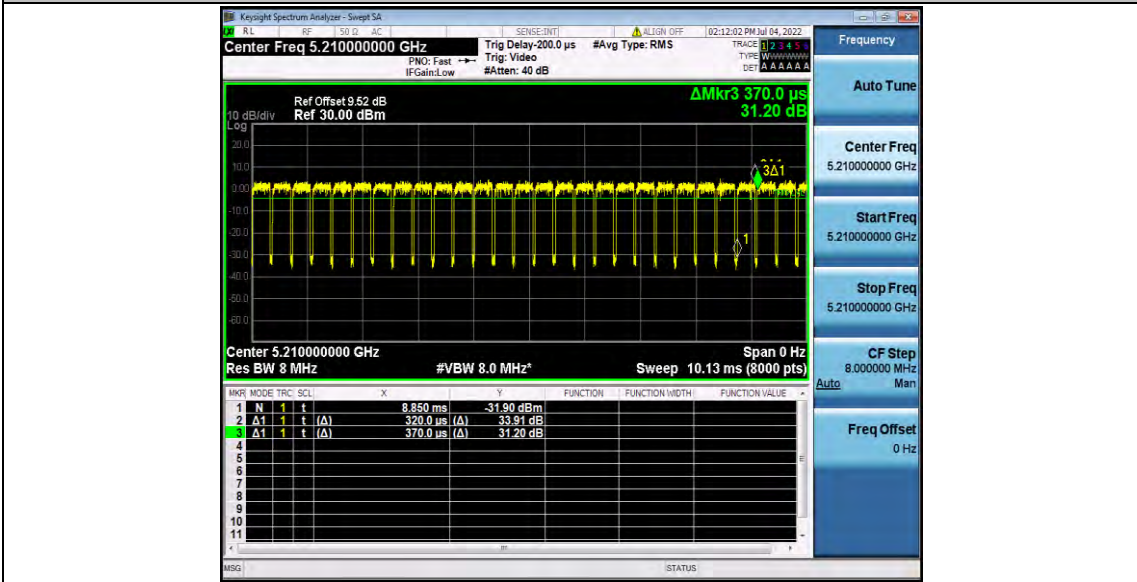
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



## Appendix D.4: Maximum power spectral density

### Test Result

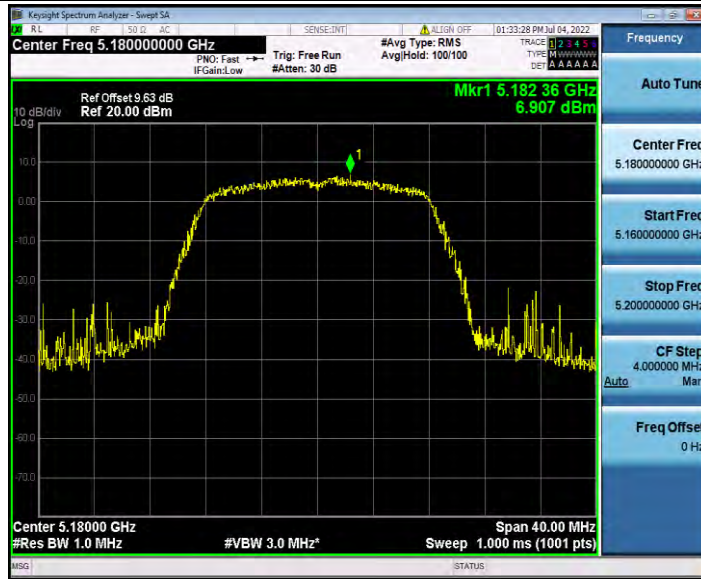
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.91	≤11.00	PASS
		5200	8.05	≤11.00	PASS
		5240	8.23	≤11.00	PASS
11N20SISO	Ant1	5180	8.32	≤11.00	PASS
		5200	7.71	≤11.00	PASS
		5240	6.07	≤11.00	PASS
11N40SISO	Ant1	5190	4.14	≤11.00	PASS
		5230	2.4	≤11.00	PASS
11AC20SISO	Ant1	5180	7.89	≤11.00	PASS
		5200	6.26	≤11.00	PASS
		5240	5.98	≤11.00	PASS
11AC40SISO	Ant1	5190	2.25	≤11.00	PASS
		5230	2.52	≤11.00	PASS
11AC80SISO	Ant1	5210	1.38	≤11.00	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.

# Test Graphs

11A\_Ant1\_5180



11A\_Ant1\_5200

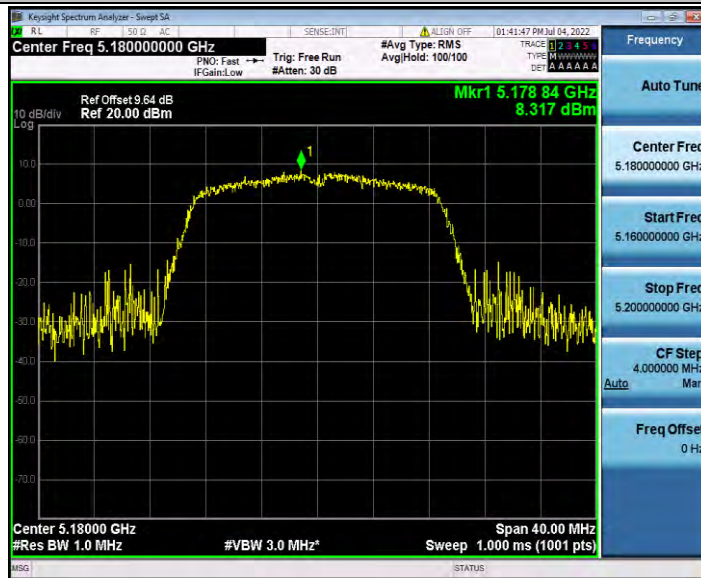


11A\_Ant1\_5240





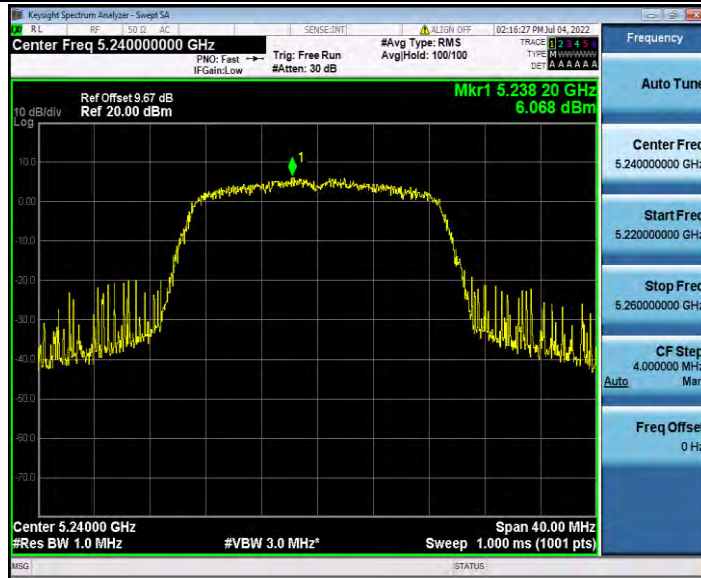
11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



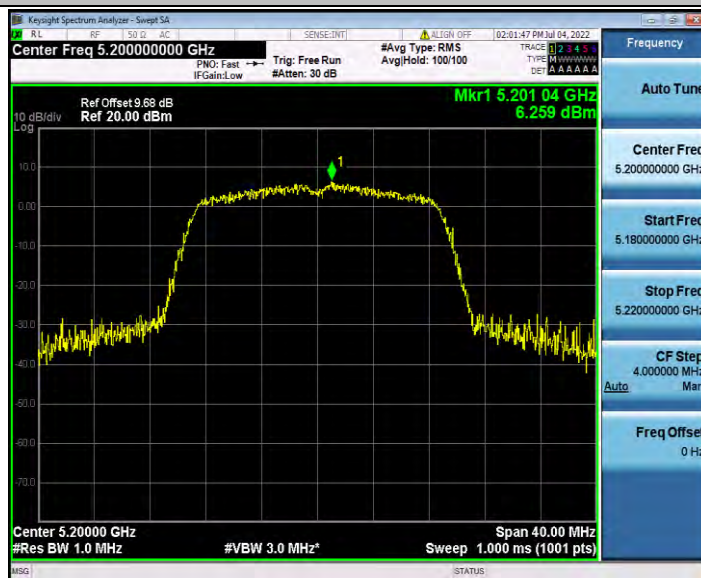
11N40SISO\_Ant1\_5230



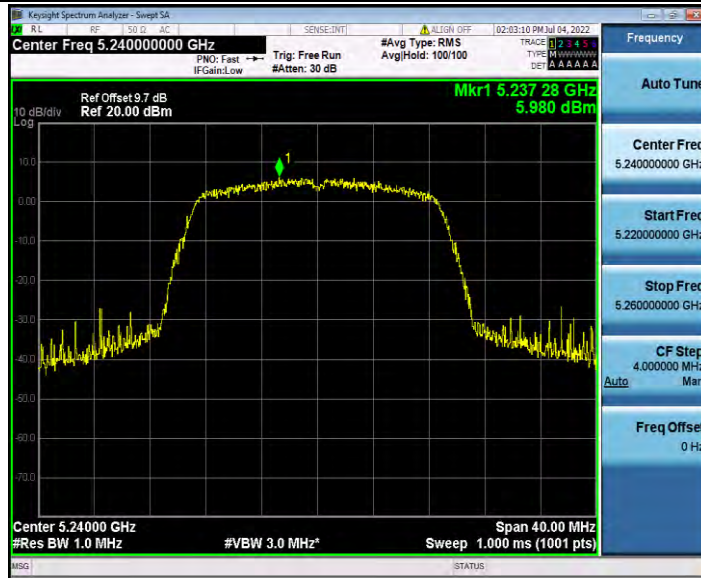
11AC20SISO\_Ant1\_5180



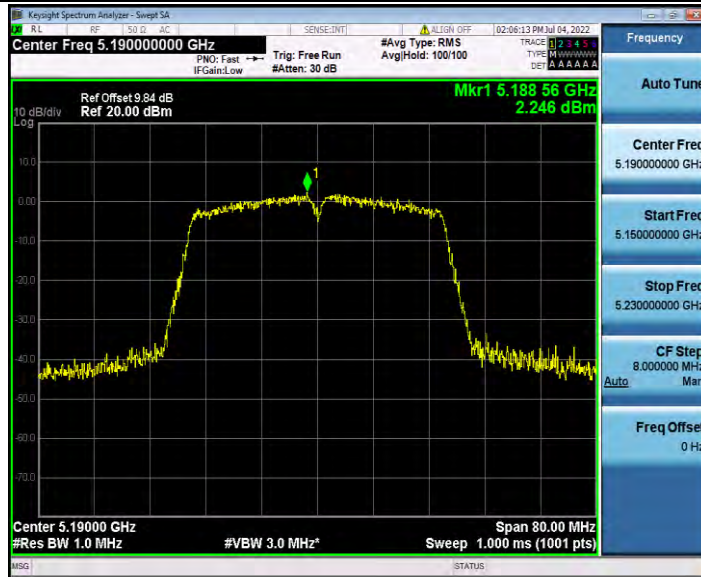
11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240

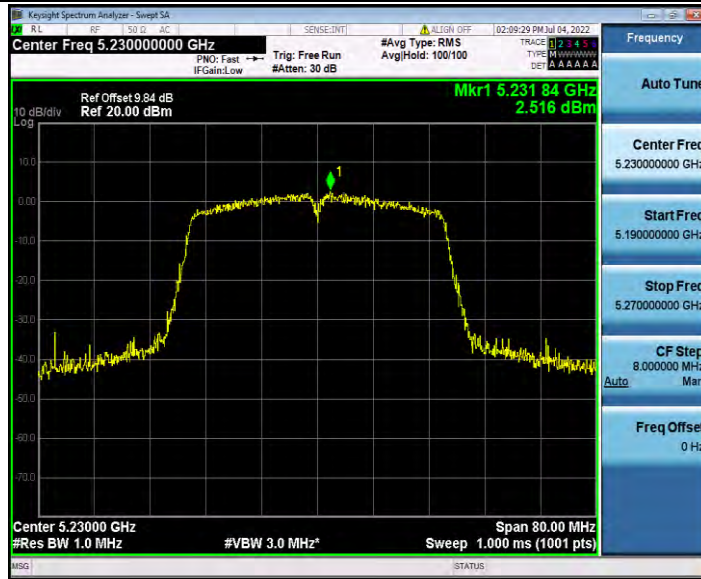


11AC40SISO\_Ant1\_5190

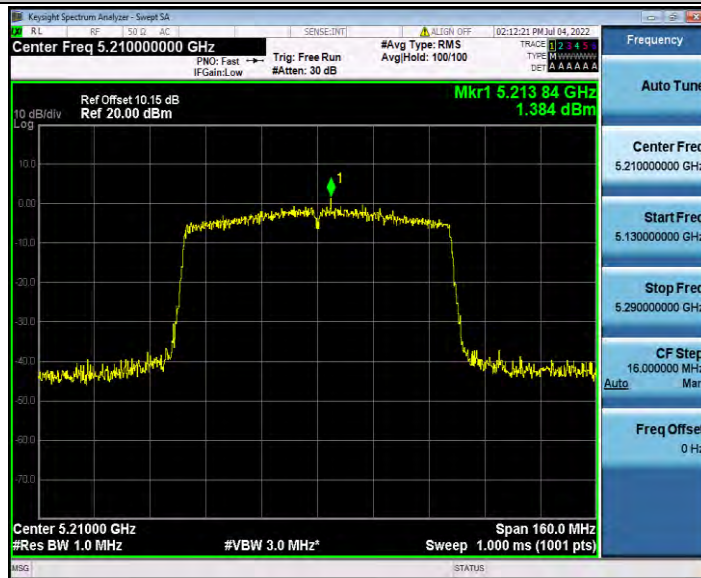


11AC40SISO\_Ant1\_5230





11AC80SISO\_Ant1\_5210





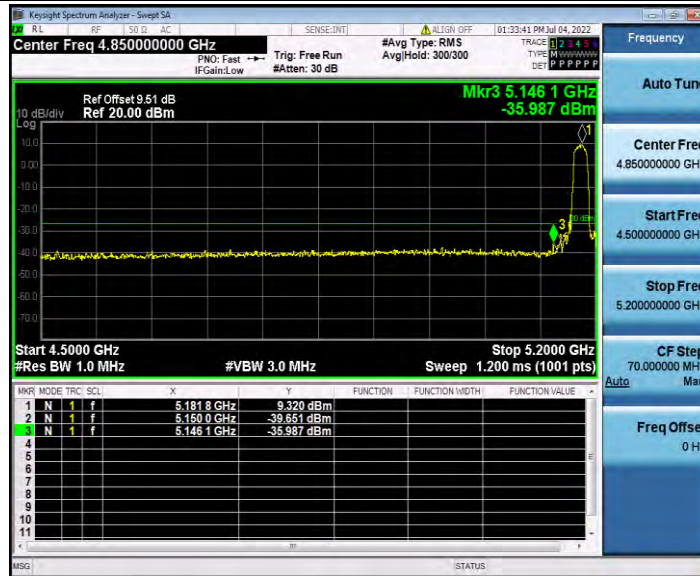
## Appendix D.5: Band edge measurements

### Test Result B1/2/3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-35.99	≤-27	PASS
		High	5240	-37.55	≤-27	PASS
11N20SISO	Ant1	Low	5180	-30.19	≤-27	PASS
		High	5240	-36.06	≤-27	PASS
11N40SISO	Ant1	Low	5190	-27.62	≤-27	PASS
		High	5230	-38.26	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-30.16	≤-27	PASS
		High	5240	-38.15	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-31.2	≤-27	PASS
		High	5230	-37.69	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-35.39	≤-27	PASS
		High	5210	-38.57	≤-27	PASS

### Test Graphs B1/2/3

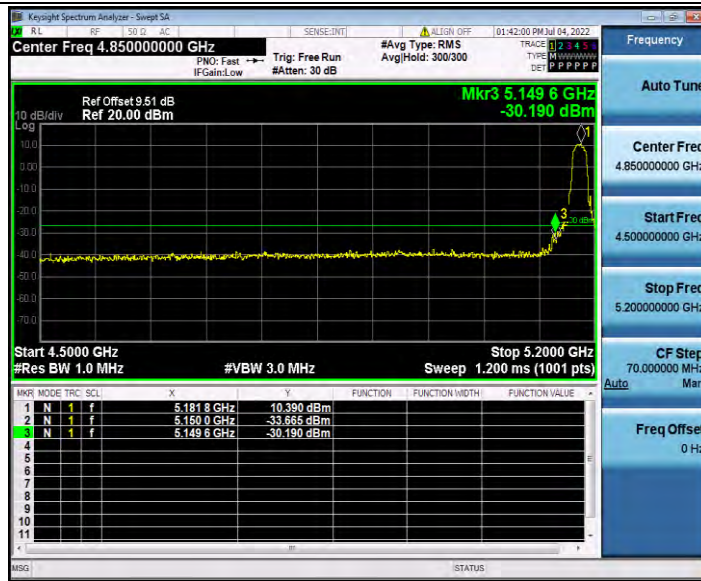
11A\_Ant1\_Low\_5180



11A\_Ant1\_High\_5240



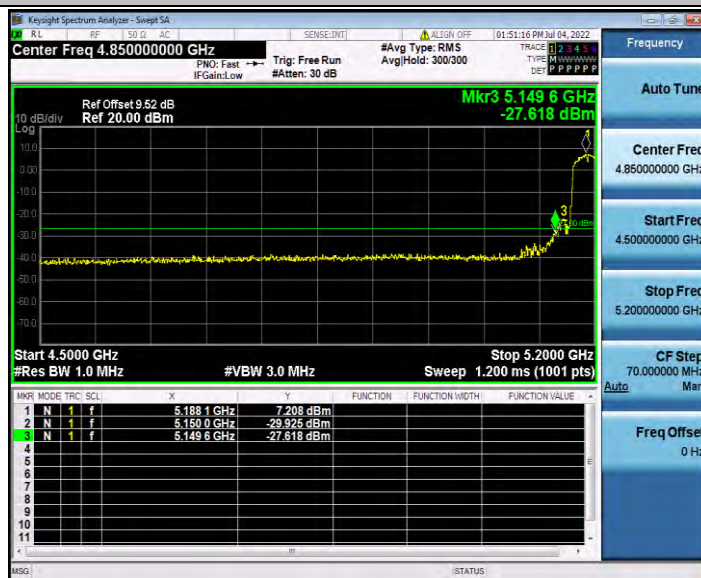
11N20SISO\_Ant1\_Low\_5180



11N20SISO\_Ant1\_High\_5240



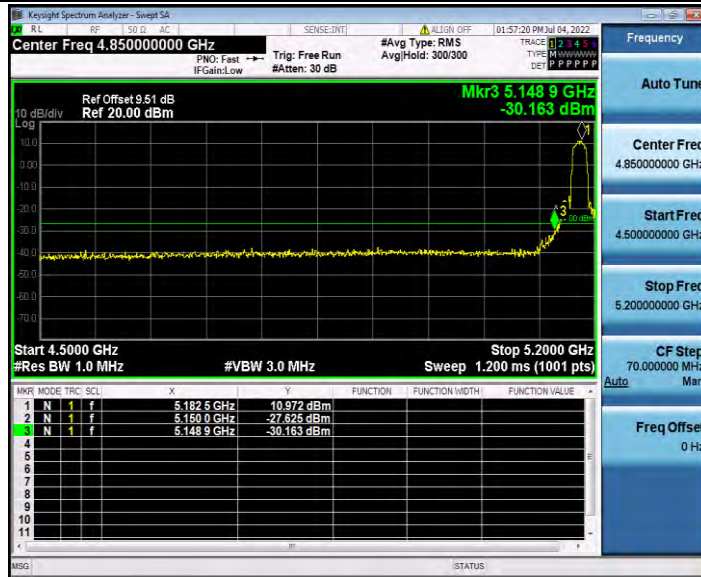
11N40SISO\_Ant1\_Low\_5190



11N40SISO\_Ant1\_High\_5230



11AC20SISO\_Ant1\_Low\_5180

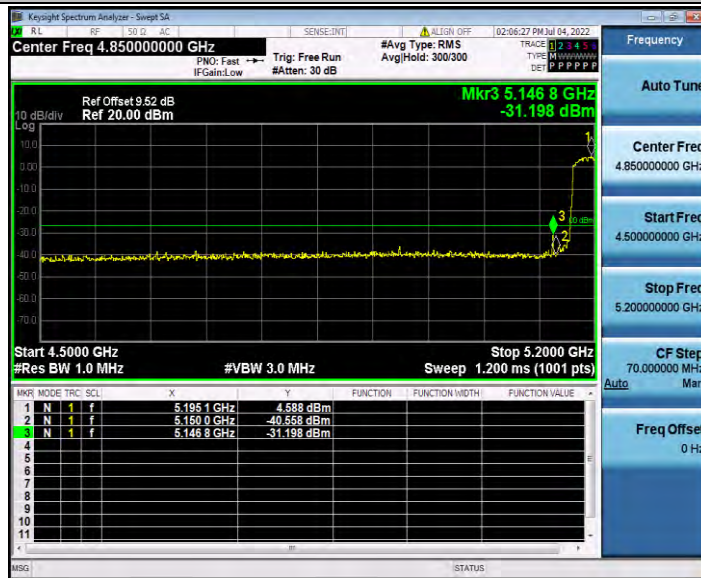


11AC20SISO\_Ant1\_High\_5240

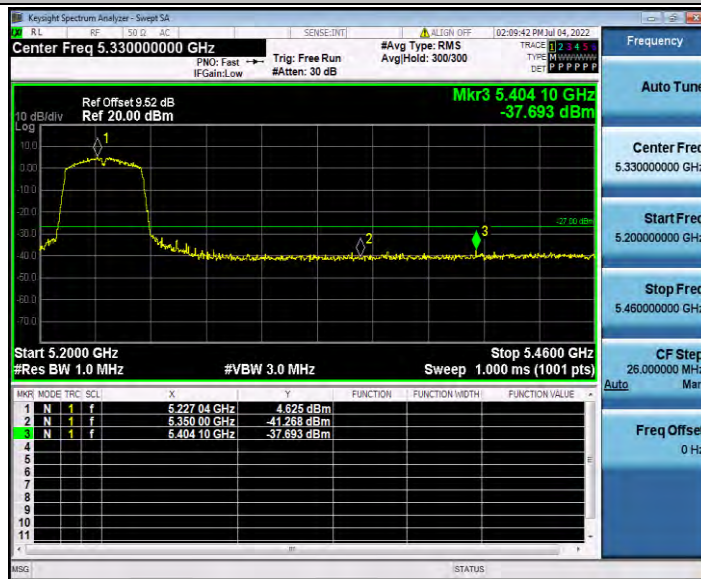




11AC40SISO\_Ant1\_Low\_5190

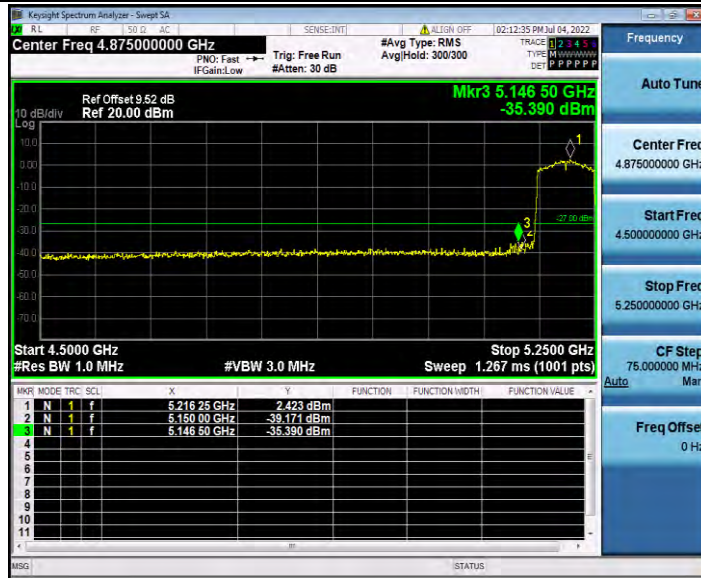


11AC40SISO\_Ant1\_High\_5230

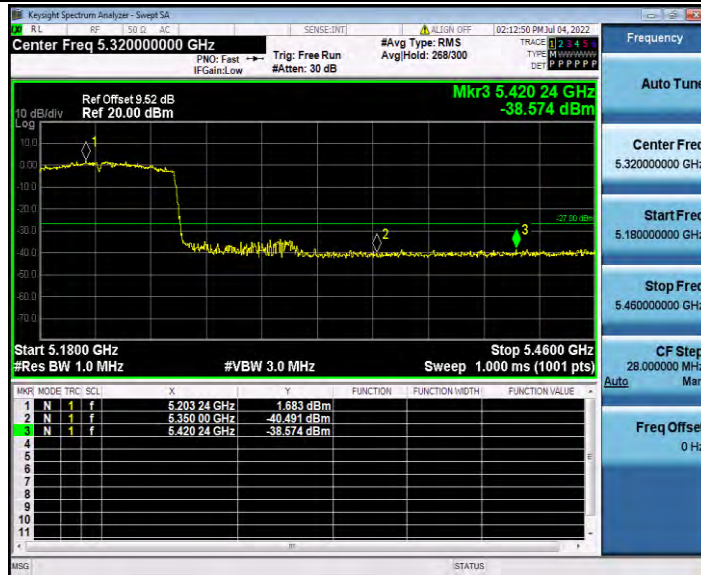




### 11AC80SISO\_Ant1\_Low\_5210



### 11AC80SISO\_Ant1\_High\_5210



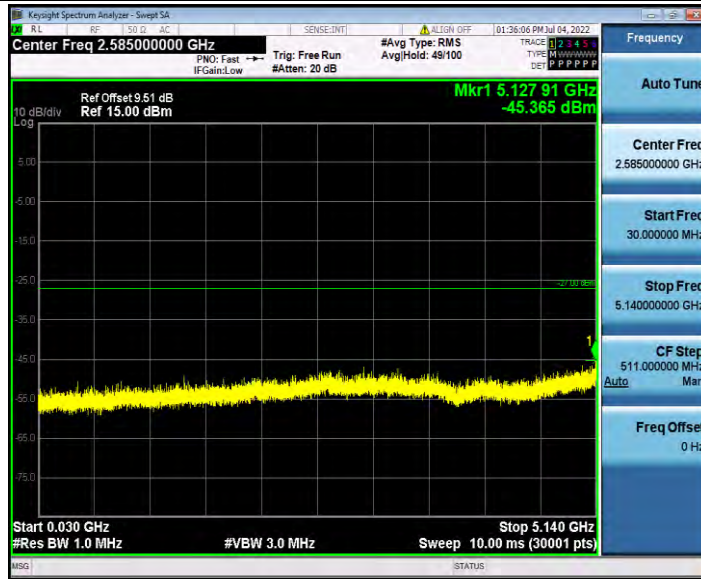
## Appendix D.6: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5127.91	-45.37	≤-27	PASS
			5360~40000	25163.49	-36.95	≤-27	PASS
		5200	30~5140	5138.13	-45.17	≤-27	PASS
			5360~40000	15596.44	-35.33	≤-27	PASS
		5240	30~5140	5109.68	-46.81	≤-27	PASS
			5360~40000	24723.47	-38.05	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5129.61	-41.71	≤-27	PASS
			5360~40000	24191.13	-35.88	≤-27	PASS
		5200	30~5140	5113.43	-44.99	≤-27	PASS
			5360~40000	23501.53	-37.87	≤-27	PASS
		5240	30~5140	5100.31	-46.12	≤-27	PASS
			5360~40000	26575.13	-37.57	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.15	-36.54	≤-27	PASS
			5360~40000	24999.02	-37.64	≤-27	PASS
		5230	30~5140	5130.46	-45.83	≤-27	PASS
			5360~40000	24297.89	-38.21	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5130.63	-40.67	≤-27	PASS
			5360~40000	24232.97	-37.79	≤-27	PASS
		5200	30~5140	5138.47	-46.69	≤-27	PASS
			5360~40000	24827.34	-38.01	≤-27	PASS
		5240	30~5140	5066.25	-46.46	≤-27	PASS
			5360~40000	26174.07	-38.18	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	4873.26	-47.07	≤-27	PASS
			5360~40000	26481.36	-38.5	≤-27	PASS
		5230	30~5140	4870.02	-46.54	≤-27	PASS
			5360~40000	26495.07	-38.25	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5109.17	-42.36	≤-27	PASS
			5360~40000	26862.23	-38.31	≤-27	PASS

# Test Graphs

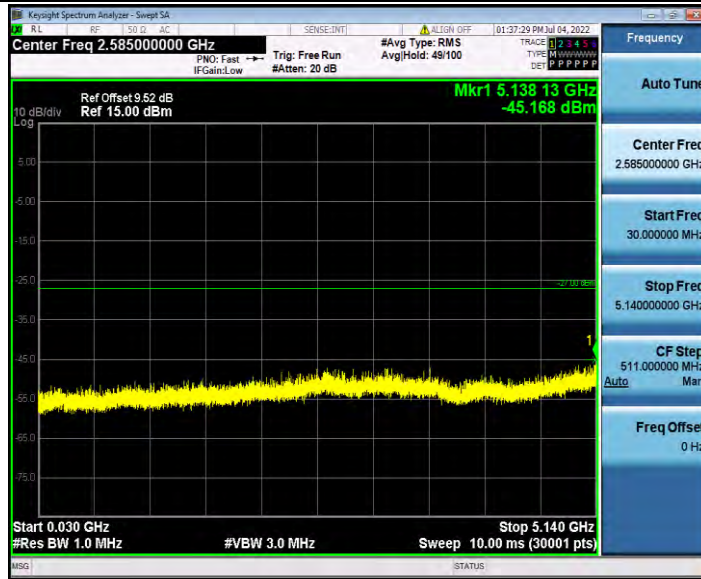
11A\_Ant1\_5180\_30~5140



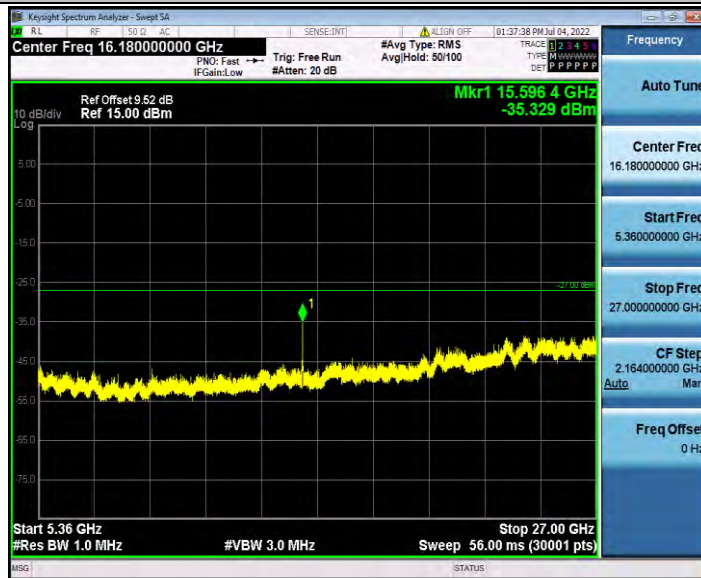
11A\_Ant1\_5180\_5360~40000



11A\_Ant1\_5200\_30~5140



11A\_Ant1\_5200\_5360~40000



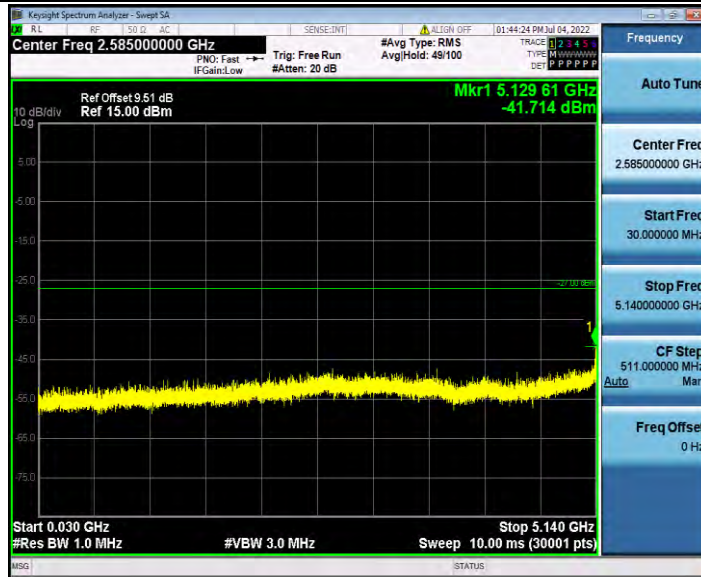
11A\_Ant1\_5240\_30~5140



11A\_Ant1\_5240\_5360~40000

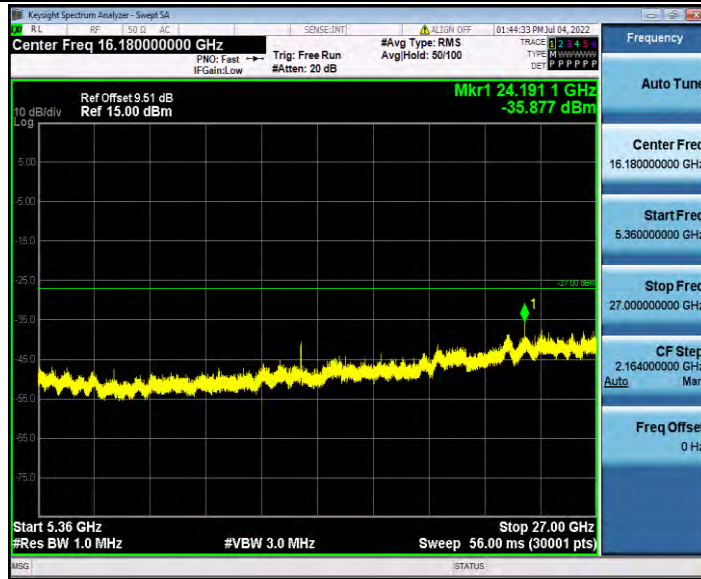


11N20SISO\_Ant1\_5180\_30~5140

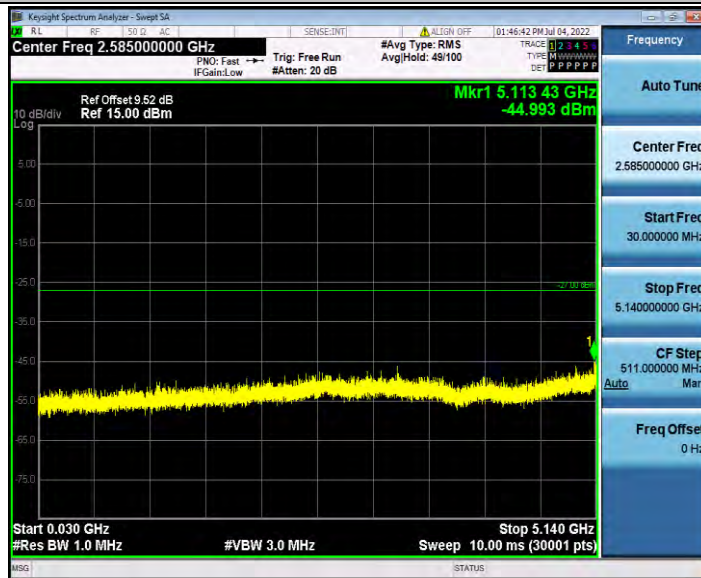


11N20SISO\_Ant1\_5180\_5360~40000

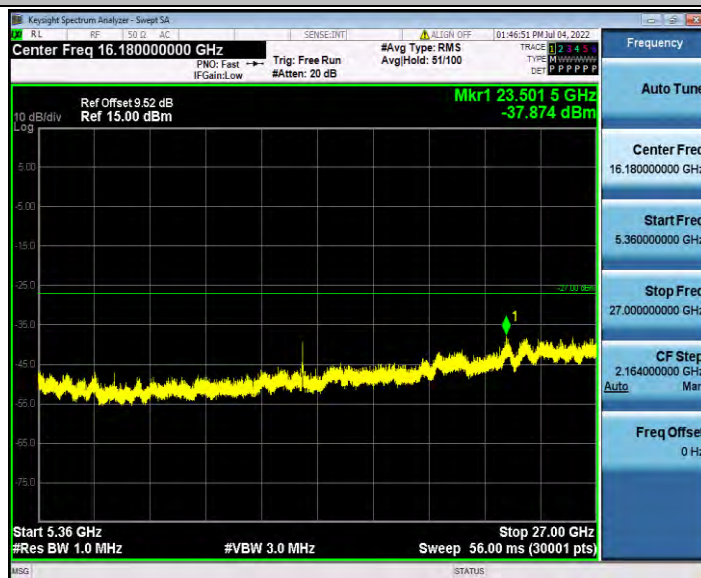




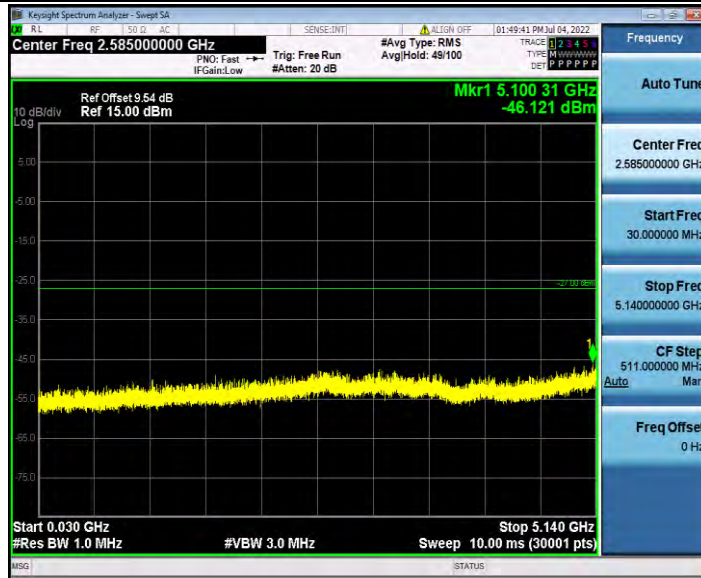
11N20SISO\_Ant1\_5200\_30~5140



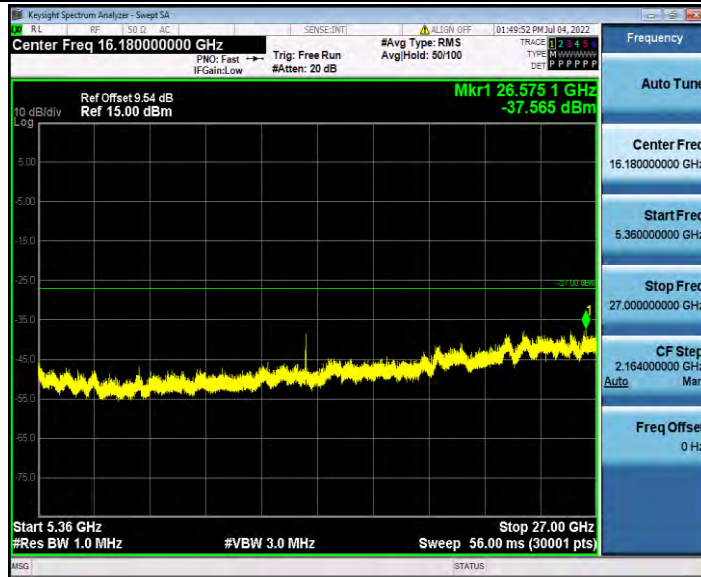
11N20SISO\_Ant1\_5200\_5360~40000



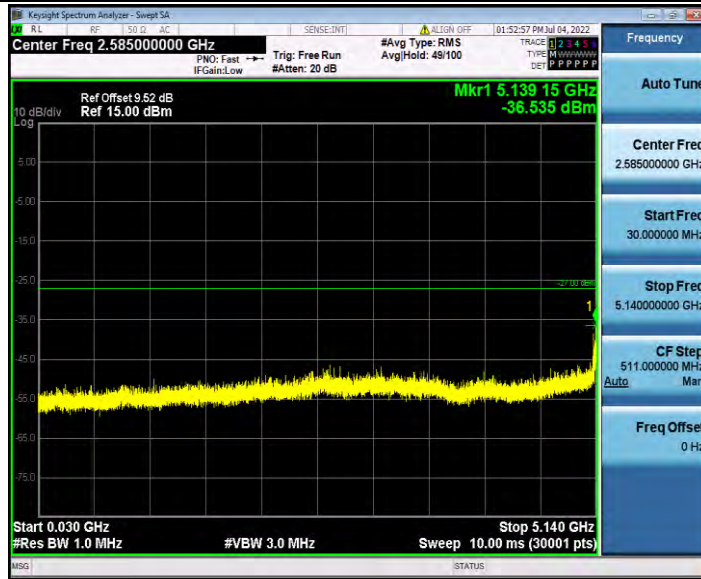
11N20SISO\_Ant1\_5240\_30~5140



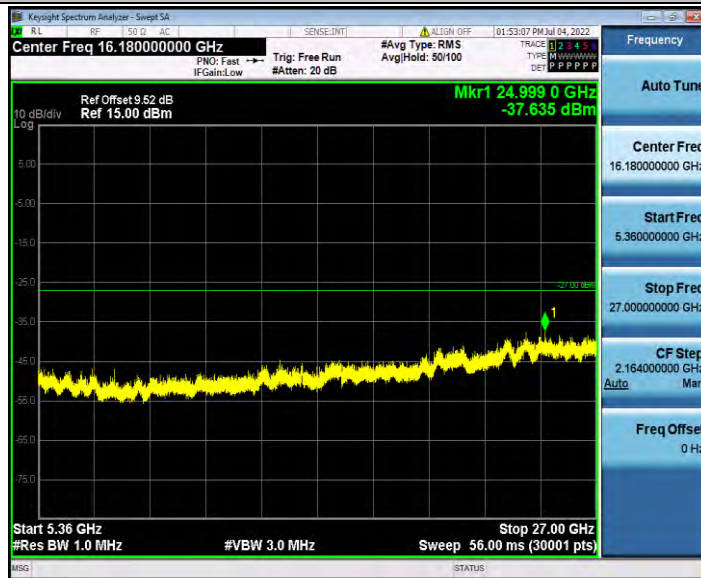
11N20SISO\_Ant1\_5240\_5360~40000



11N40SISO\_Ant1\_5190\_30~5140



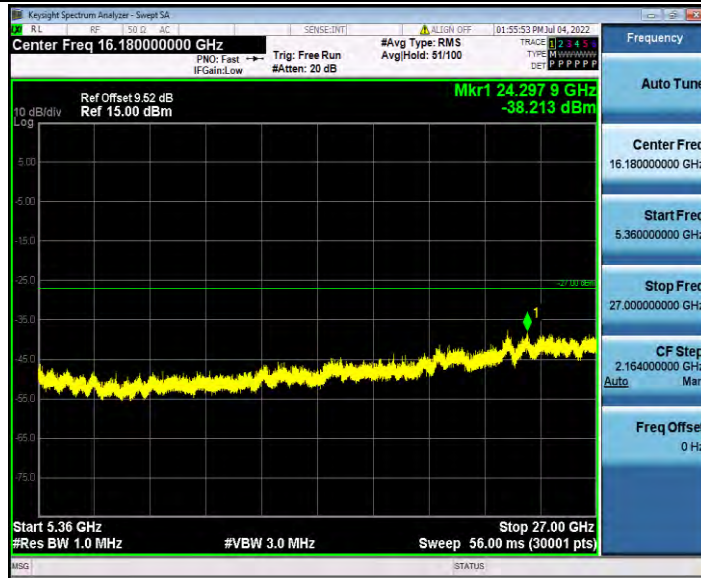
11N40SISO\_Ant1\_5190\_5360~40000



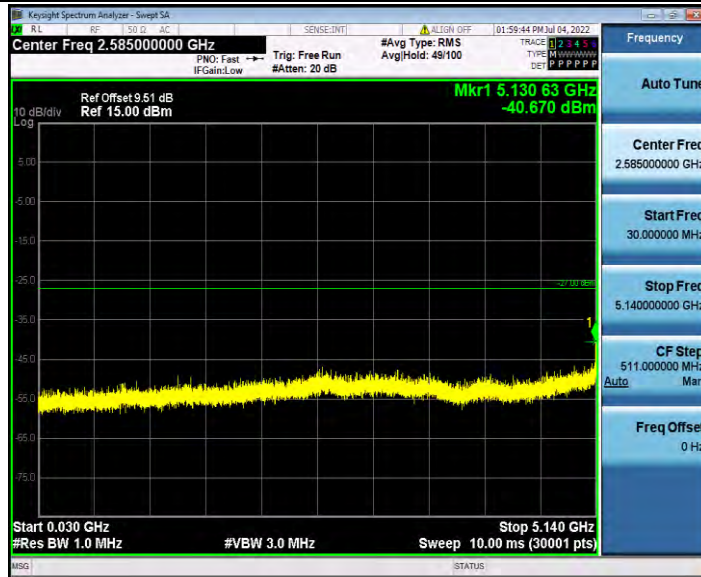
11N40SISO\_Ant1\_5230\_30~5140



11N40SISO\_Ant1\_5230\_5360~40000



11AC20SISO\_Ant1\_5180\_30~5140

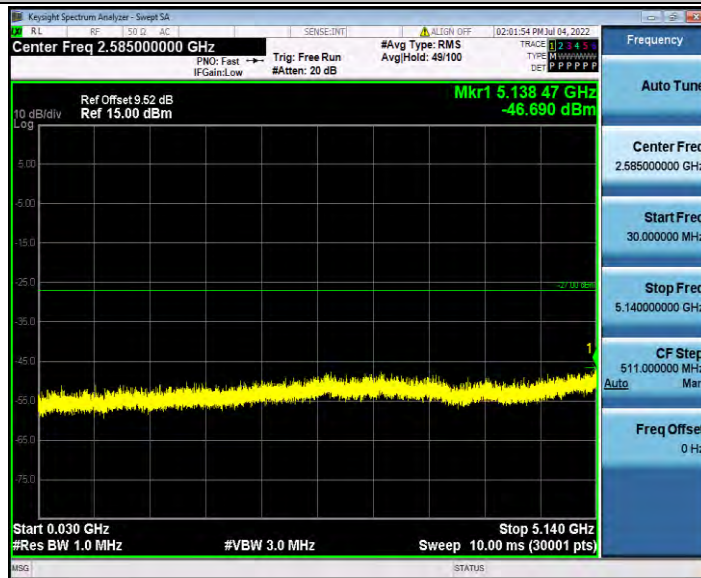


11AC20SISO\_Ant1\_5180\_5360~40000





11AC20SISO\_Ant1\_5200\_30~5140

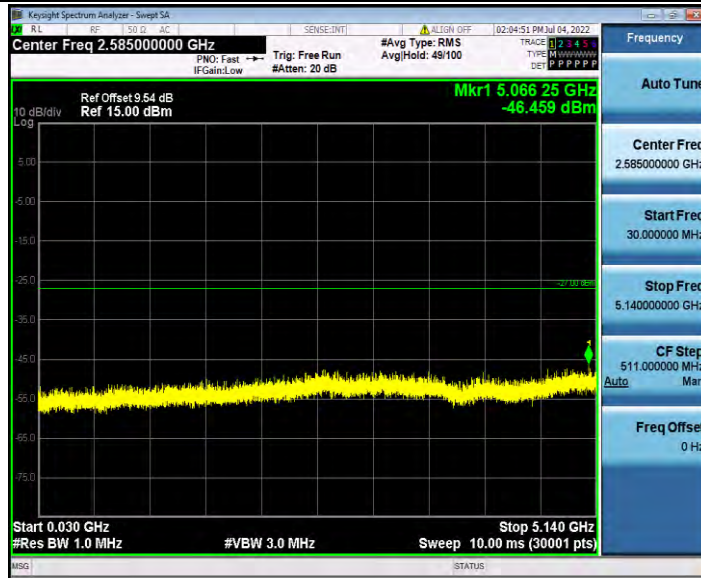


11AC20SISO\_Ant1\_5200\_5360~40000

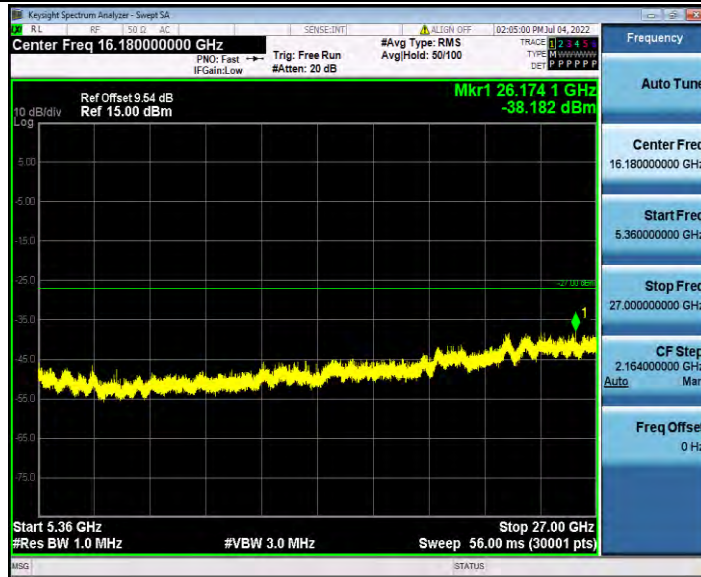




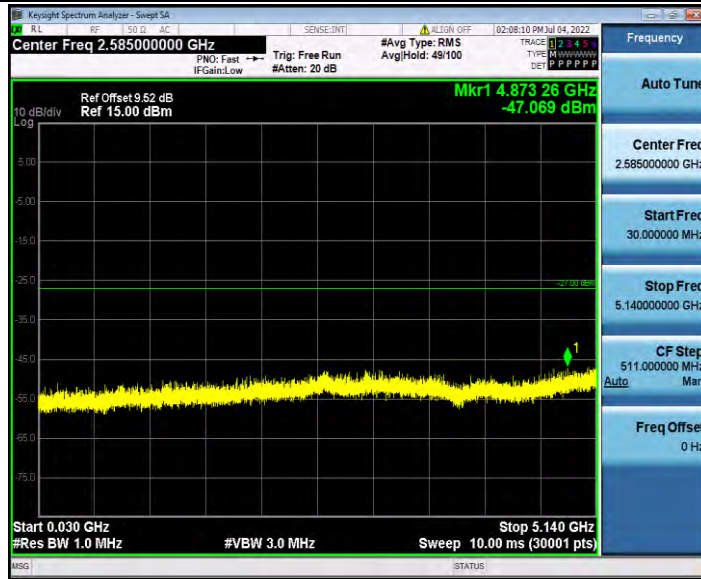
11AC20SISO\_Ant1\_5240\_30~5140



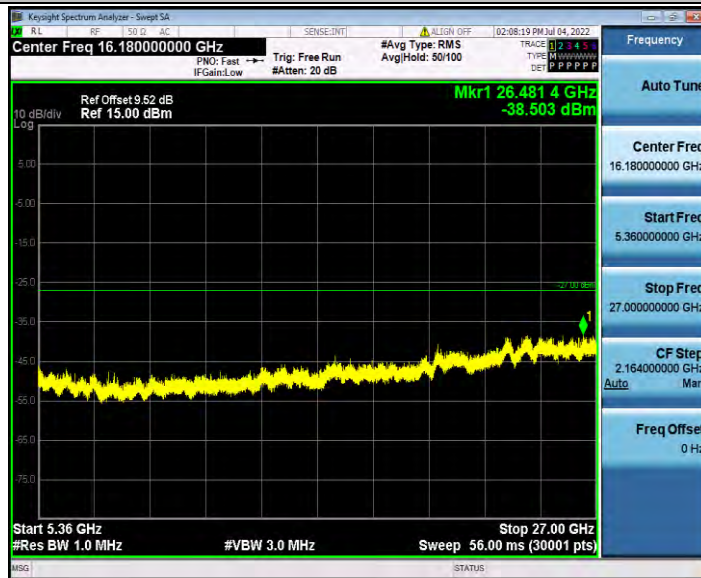
11AC20SISO\_Ant1\_5240\_5360~40000



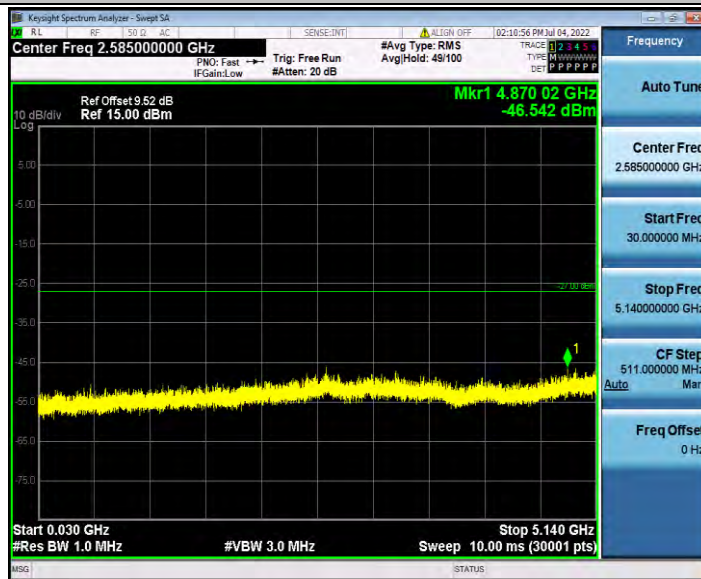
11AC40SISO\_Ant1\_5190\_30~5140



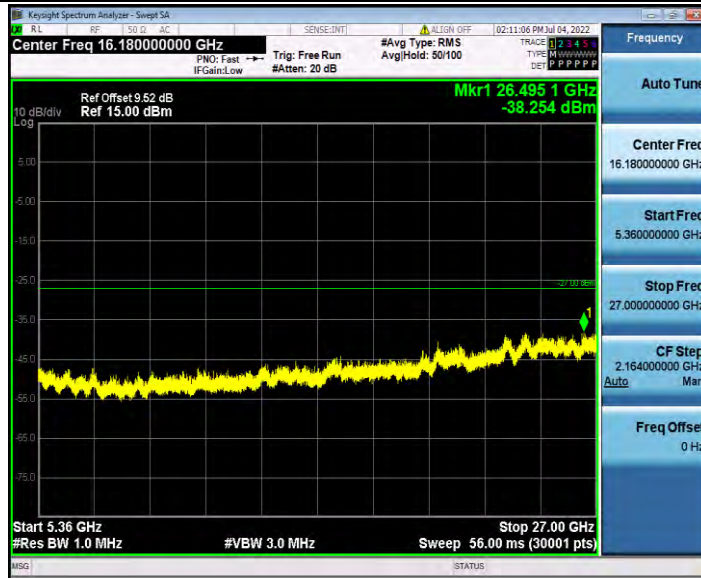
11AC40SISO\_Ant1\_5190\_5360~4000



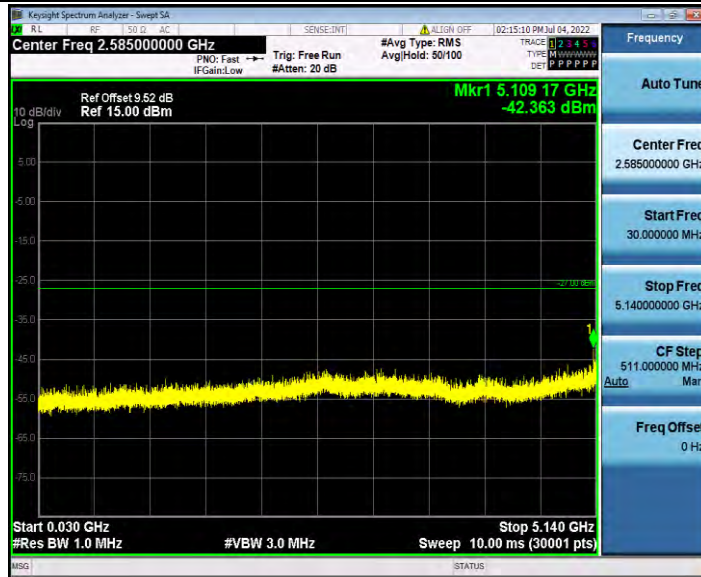
11AC40SISO\_Ant1\_5230\_30~5140



11AC40SISO\_Ant1\_5230\_5360~40000



11AC80SISO\_Ant1\_5210\_30~5140



11AC80SISO\_Ant1\_5210\_5360~40000

