

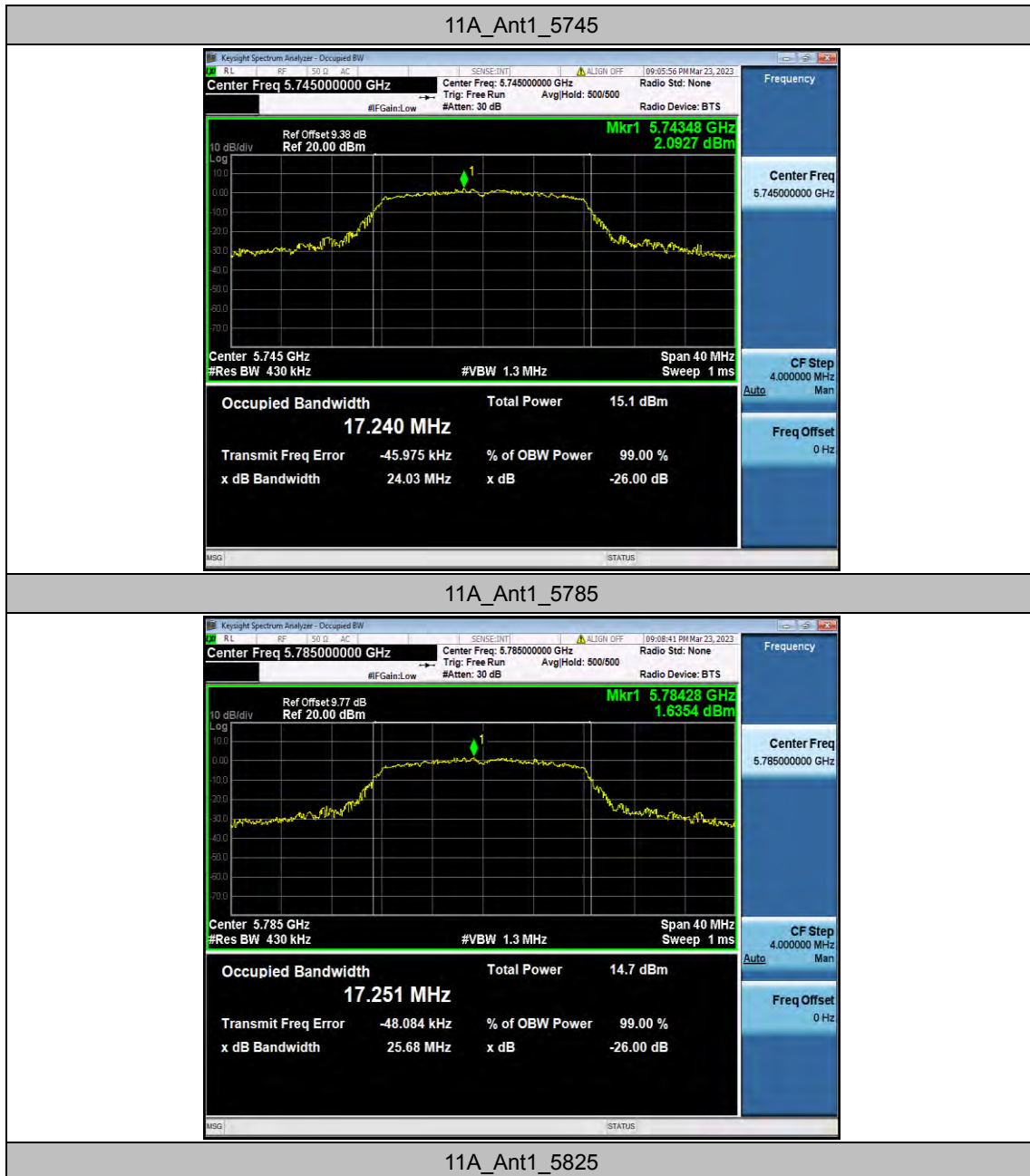
<b>Case No. :</b> <u>GTS20230215017-1-11</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>55</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.3.23</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix E.1: Occupied channel bandwidth

### Test Result

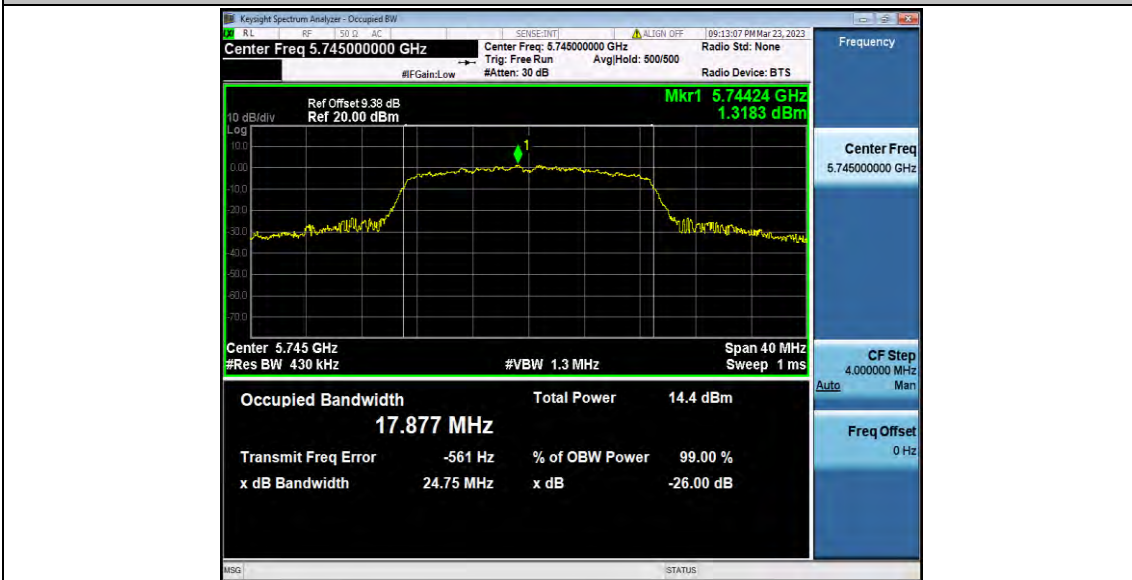
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.240	5736.334	5753.574	---	---
		5785	17.251	5776.326	5793.577	---	---
		5825	17.419	5816.246	5833.665	---	---
11N20SISO	Ant1	5745	17.877	5736.061	5753.938	---	---
		5785	17.926	5776.081	5794.007	---	---
		5825	17.992	5815.992	5833.984	---	---
11N40SISO	Ant1	5755	36.585	5736.758	5773.343	---	---
		5795	36.411	5776.884	5813.295	---	---
11AC20SISO	Ant1	5745	17.832	5736.094	5753.926	---	---
		5785	17.848	5776.097	5793.945	---	---
		5825	17.900	5816.073	5833.973	---	---
11AC40SISO	Ant1	5755	36.328	5736.888	5773.216	---	---
		5795	36.287	5776.939	5813.226	---	---
11AC80SISO	Ant1	5775	76.013	5737.000	5813.013	---	---

## Test Graphs





11N20SISO\_Ant1\_5745



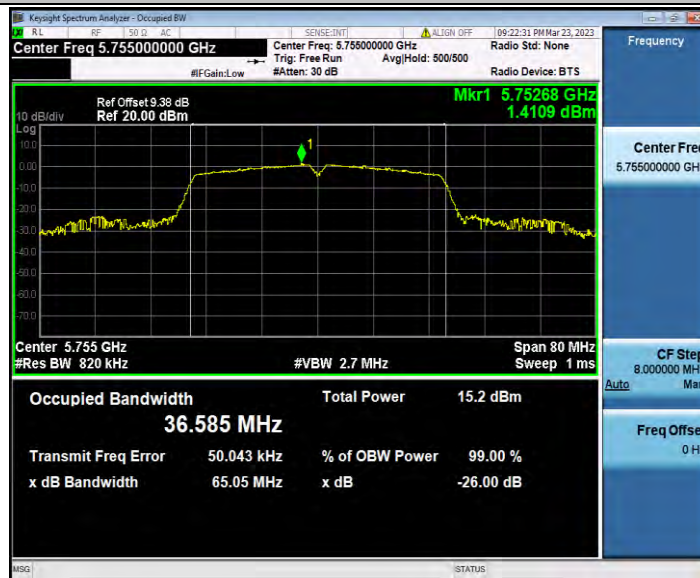
11N20SISO\_Ant1\_5785



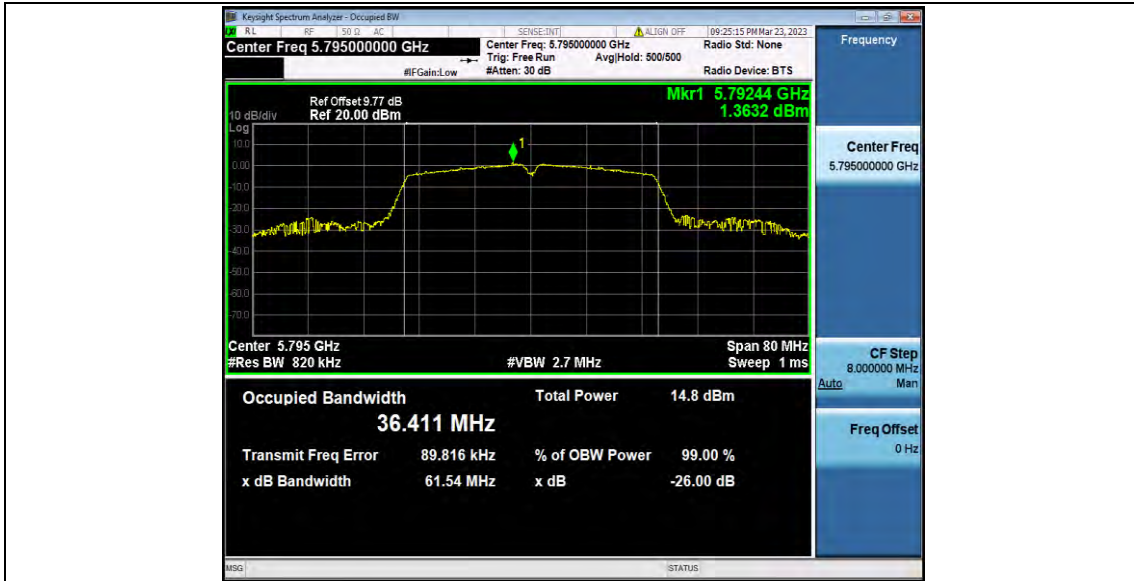
11N20SISO\_Ant1\_5825



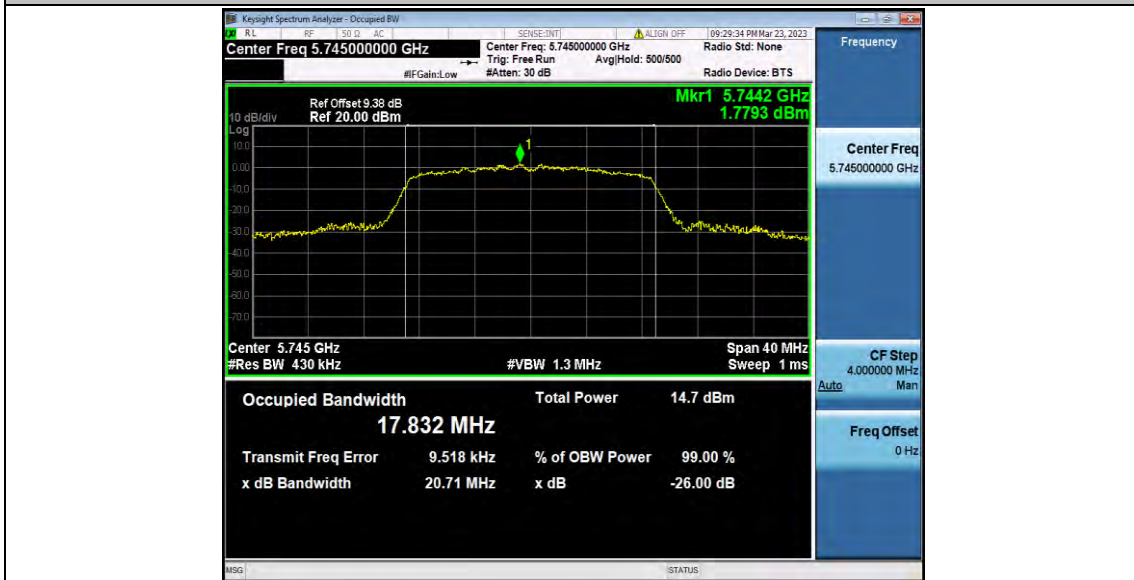
11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



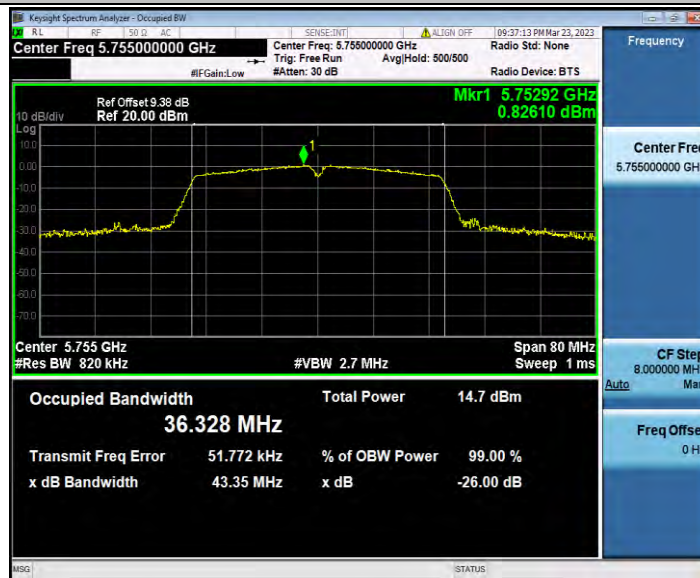
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



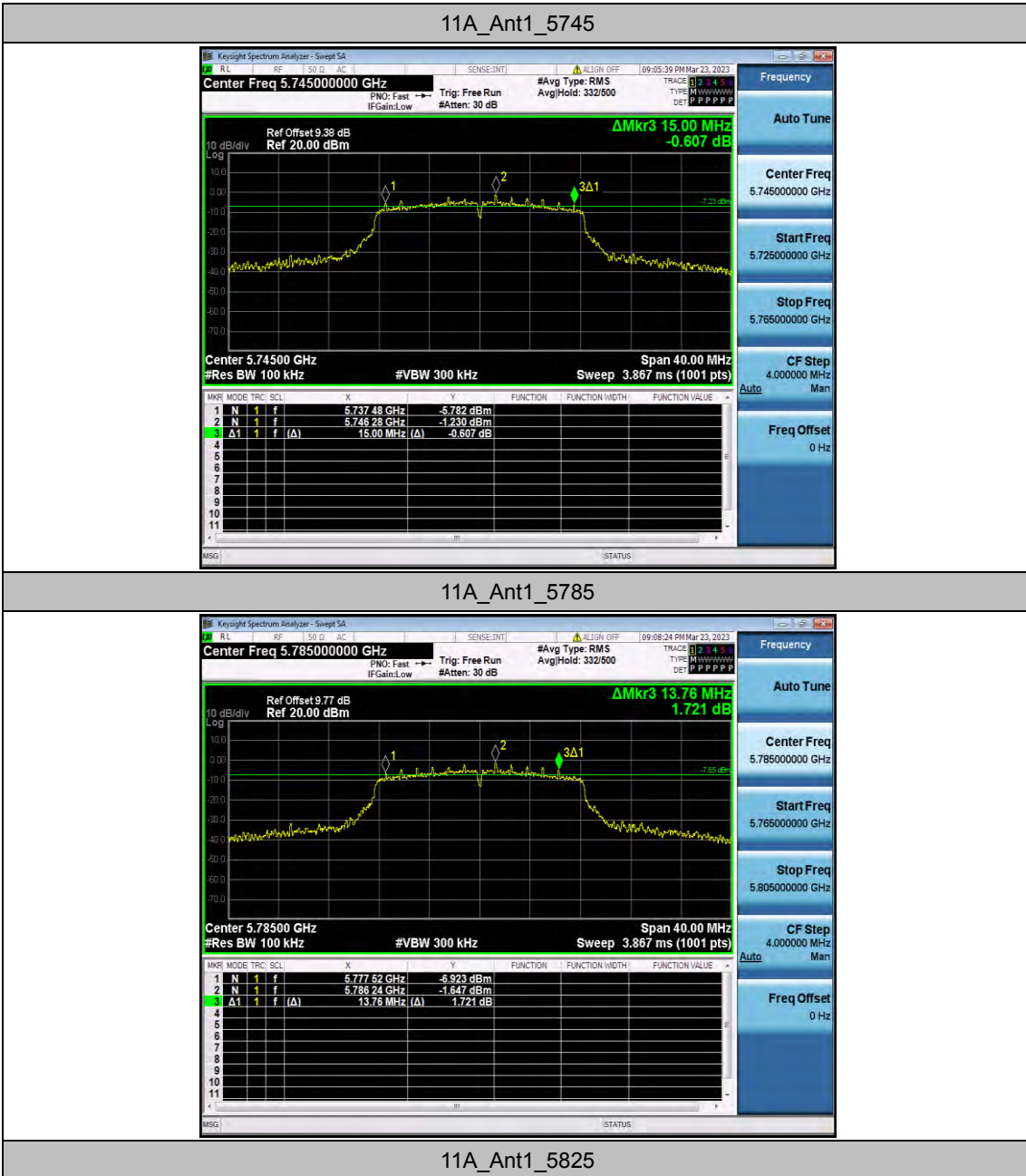
## Appendix E.2: Min emission bandwidth

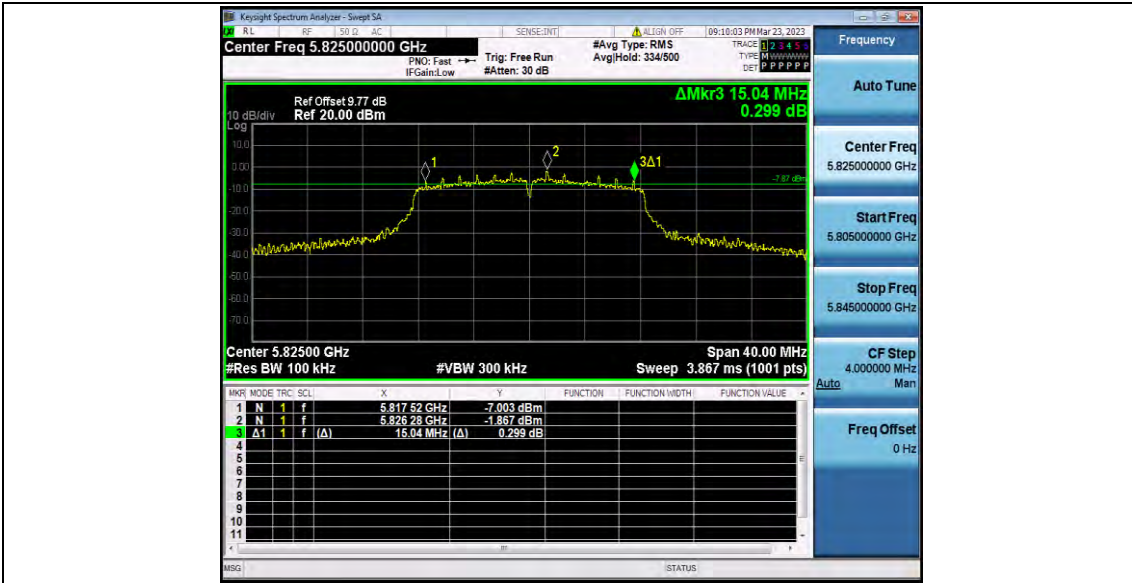
### Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.000	5737.480	5752.480	0.5	PASS
		5785	13.760	5777.520	5791.280	0.5	PASS
		5825	15.040	5817.520	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	15.400	5817.160	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.240	5812.600	0.5	PASS

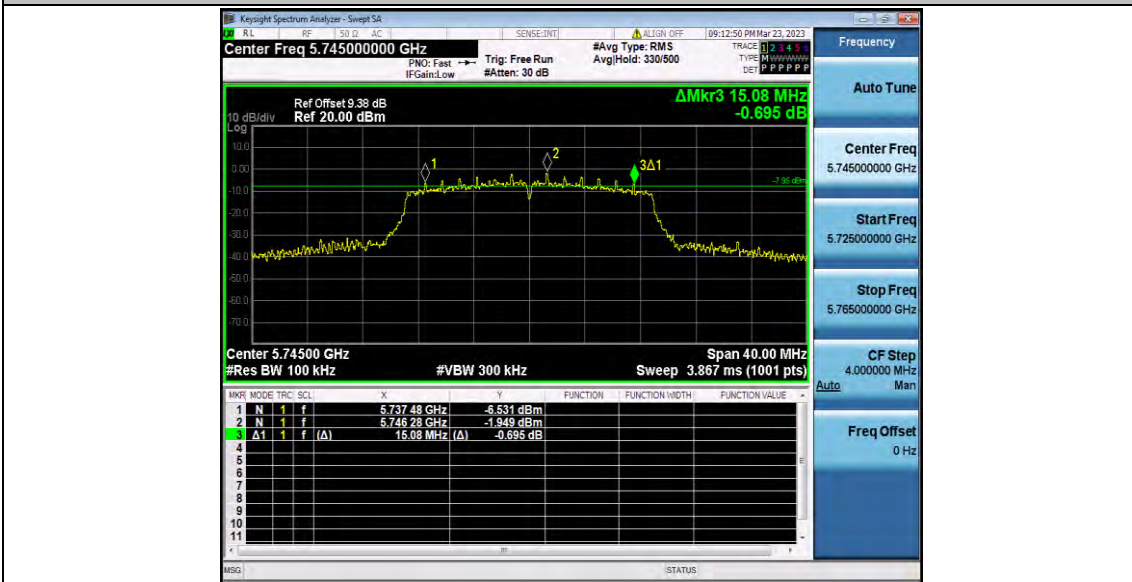


### Test Graphs B4

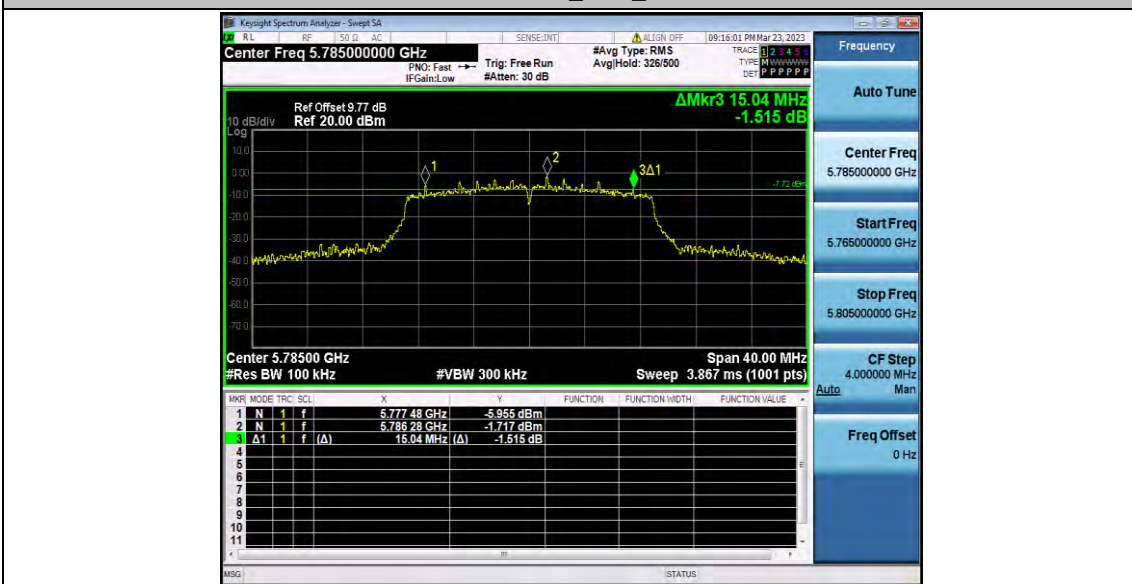




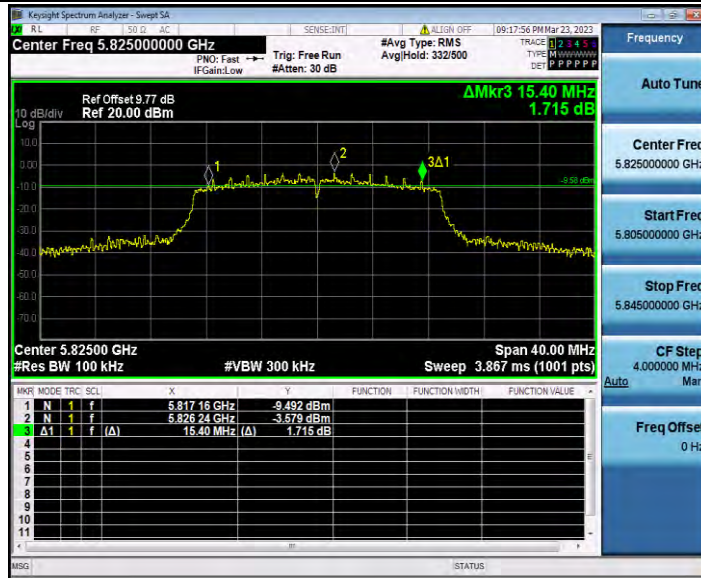
11N20SISO\_Ant1\_5745



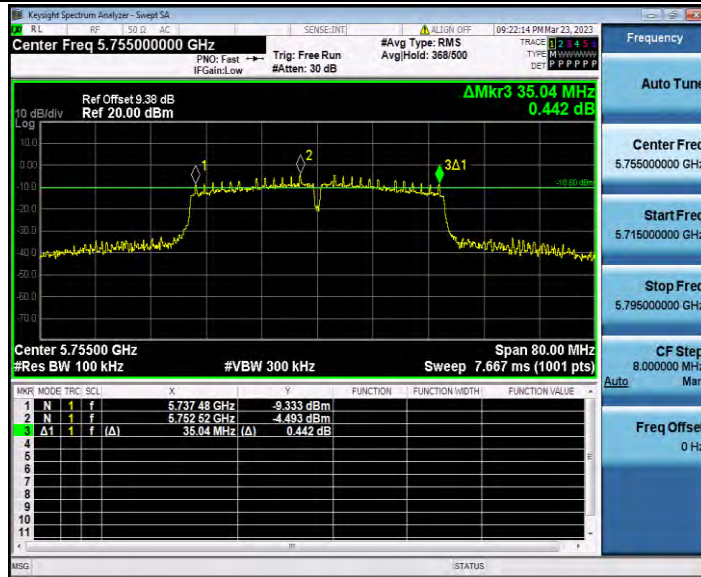
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



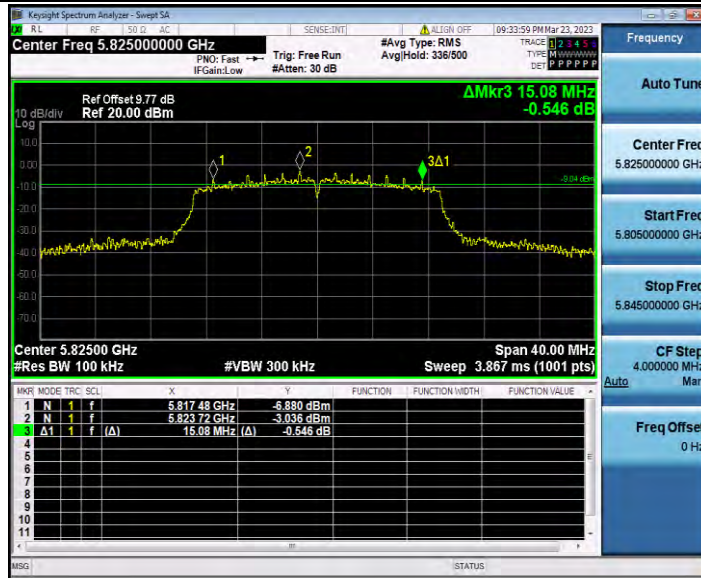
11AC20SISO\_Ant1\_5745



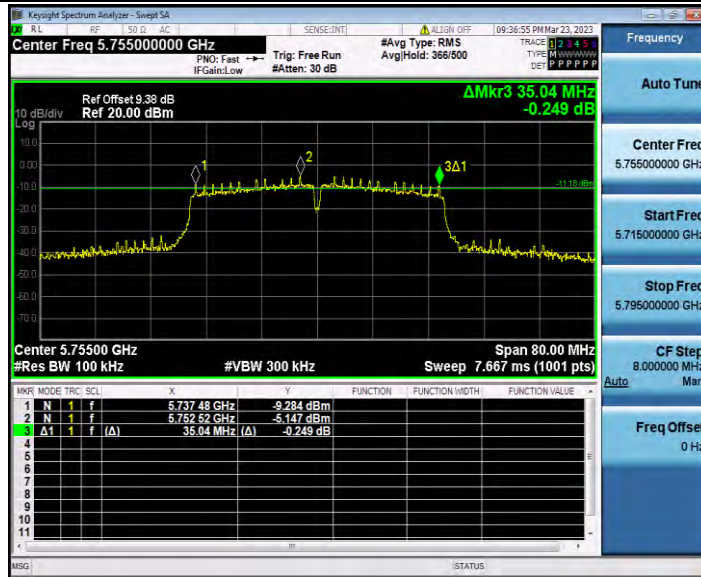
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



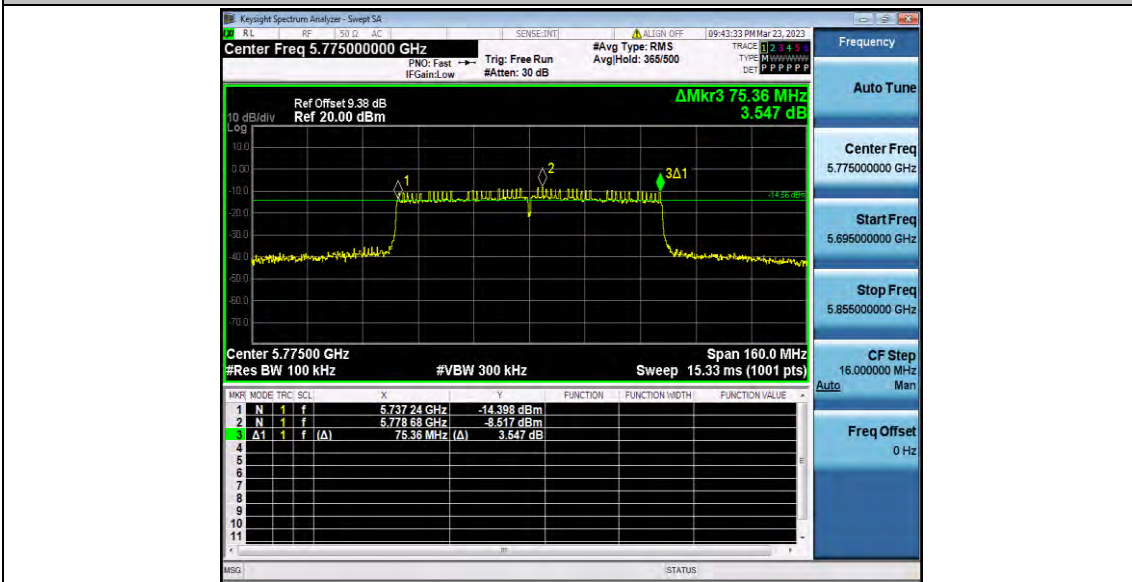
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

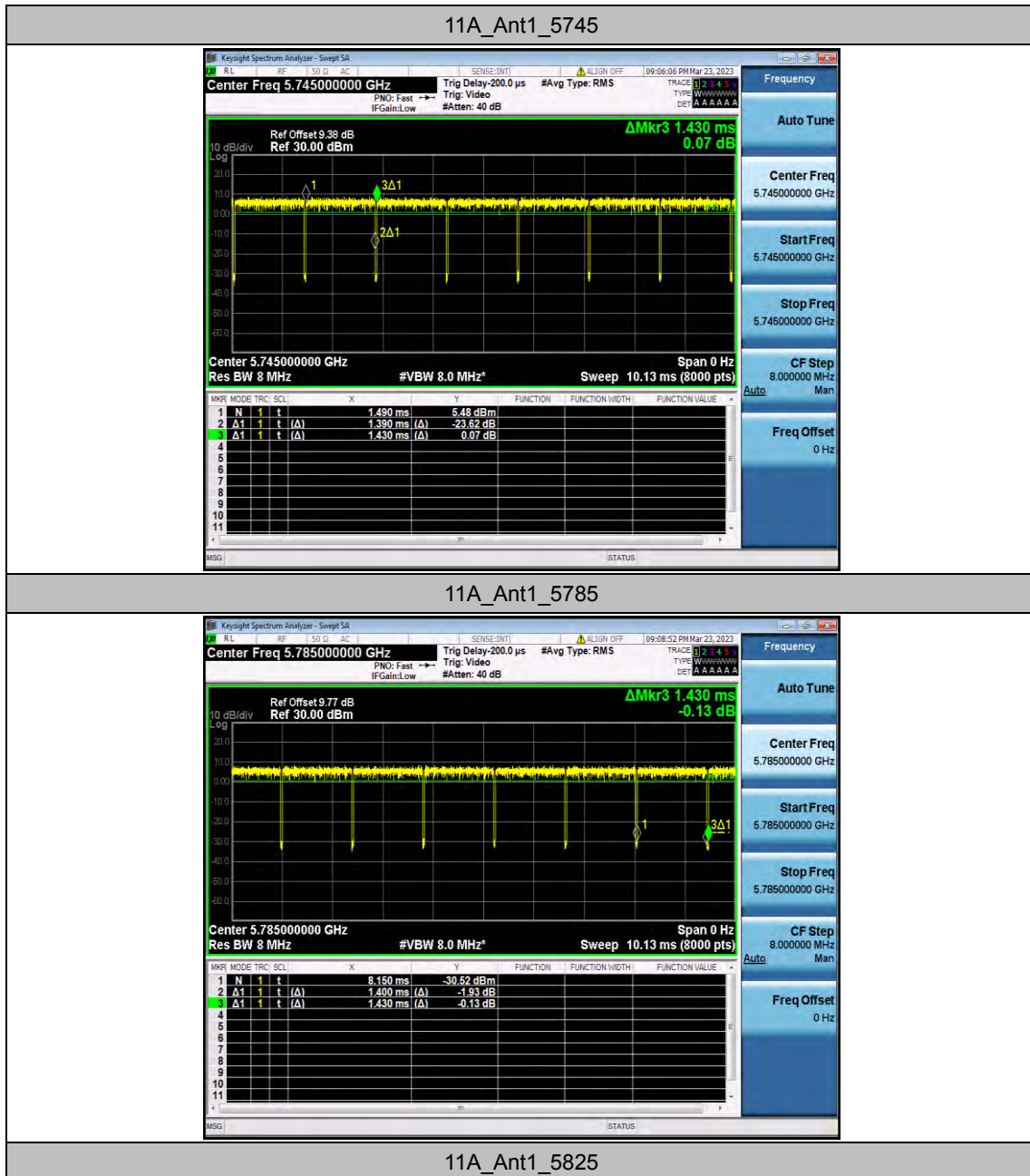


## Appendix E.3: Duty Cycle

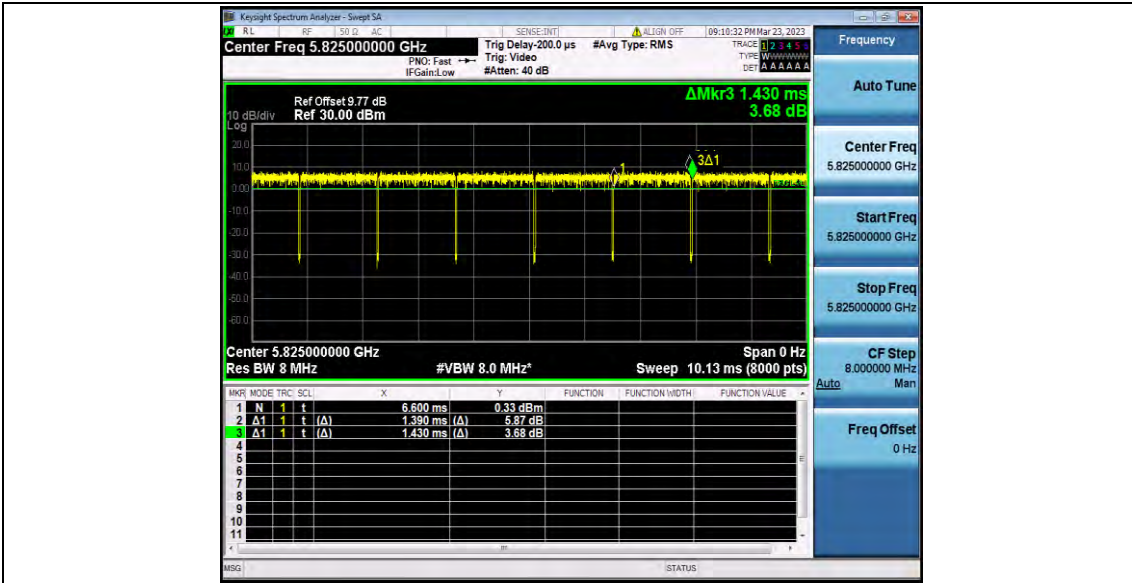
### Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.40	1.43	97.90
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5745	1.30	1.33	97.74
		5785	1.29	1.33	96.99
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5755	0.64	0.68	94.12
		5795	0.64	0.68	94.12
11AC20SISO	Ant1	5745	1.31	1.35	97.04
		5785	1.31	1.34	97.76
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5775	0.33	0.36	91.67

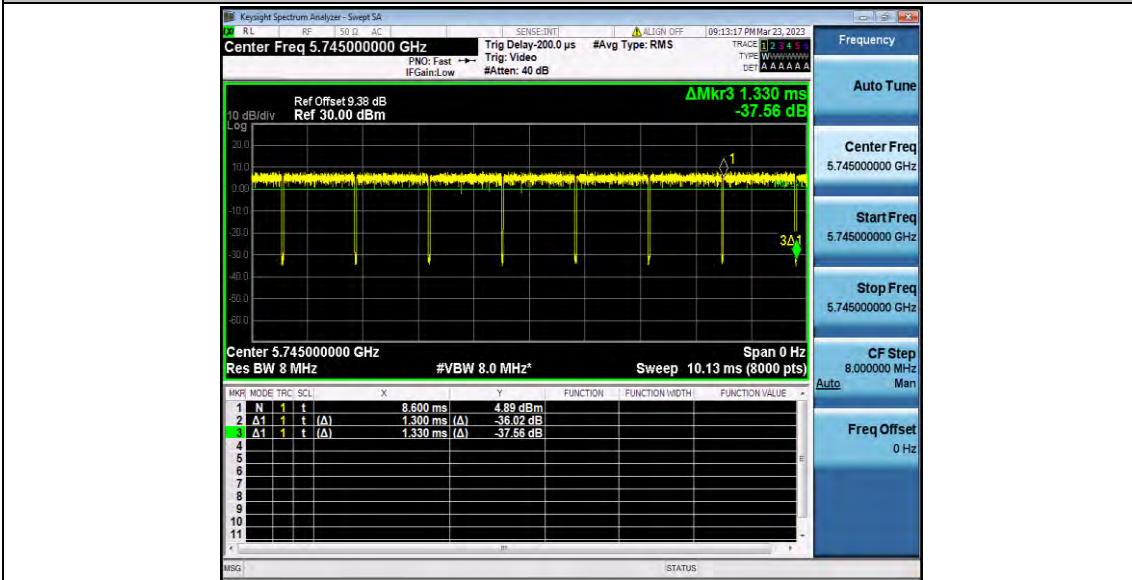
## Test Graphs



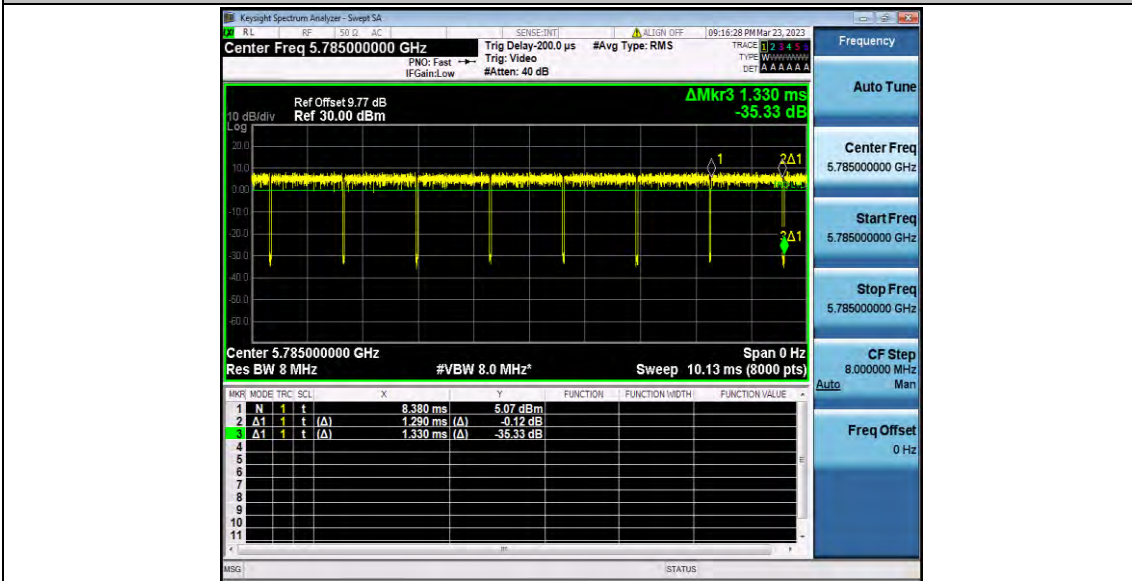




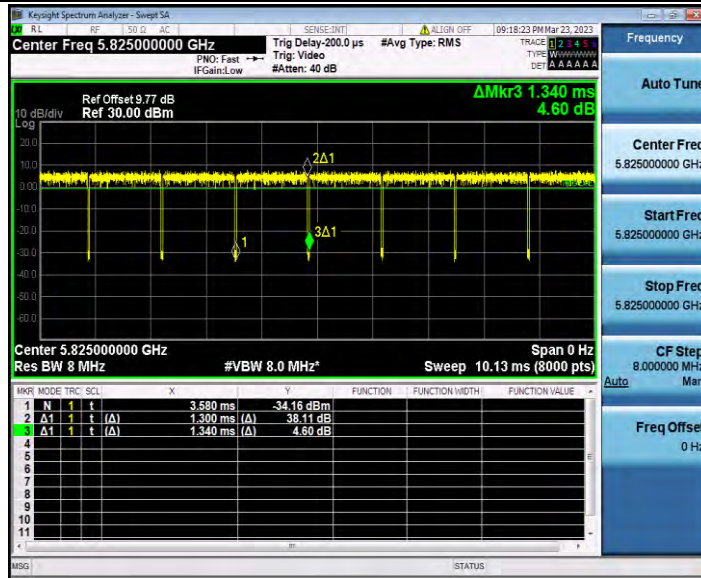
11N20SISO\_Ant1\_5745



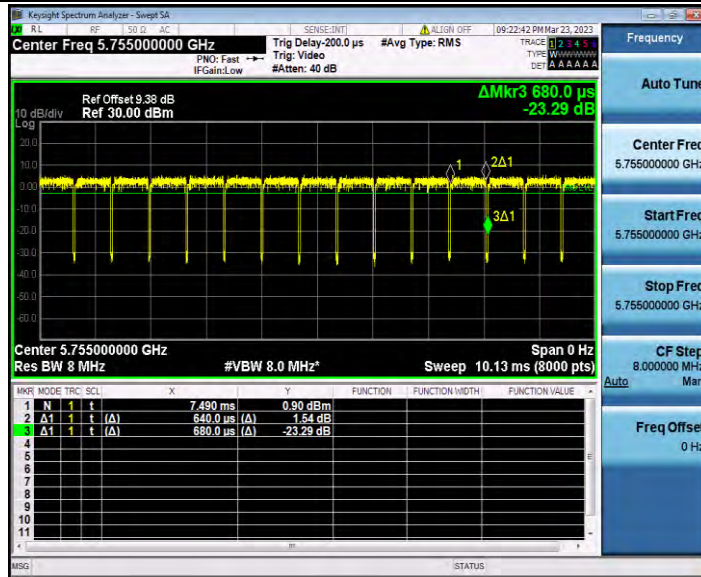
11N20SISO\_Ant1\_5785



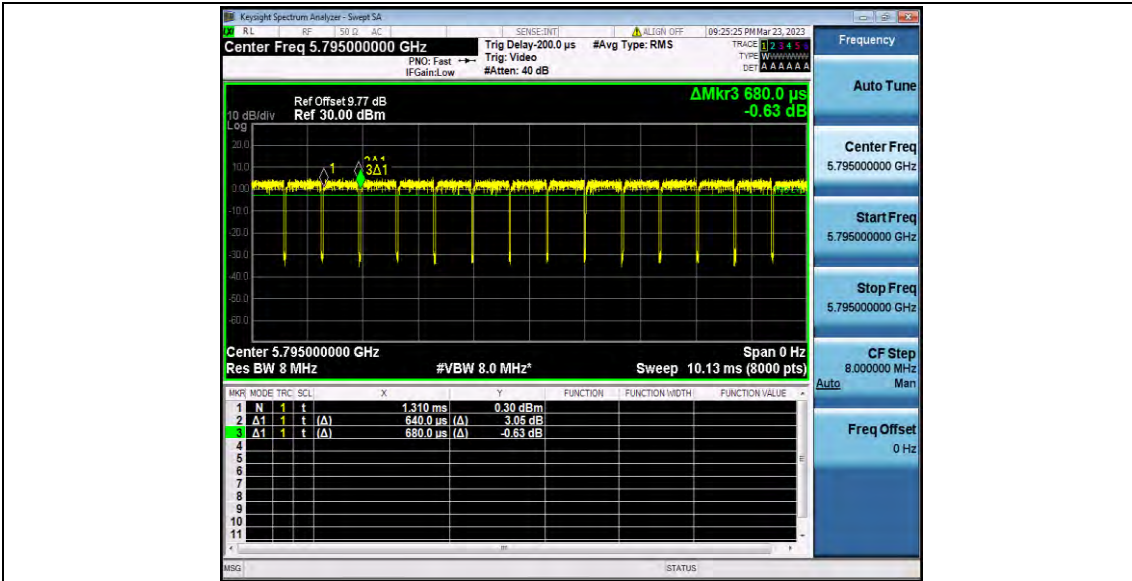
11N20SISO\_Ant1\_5825



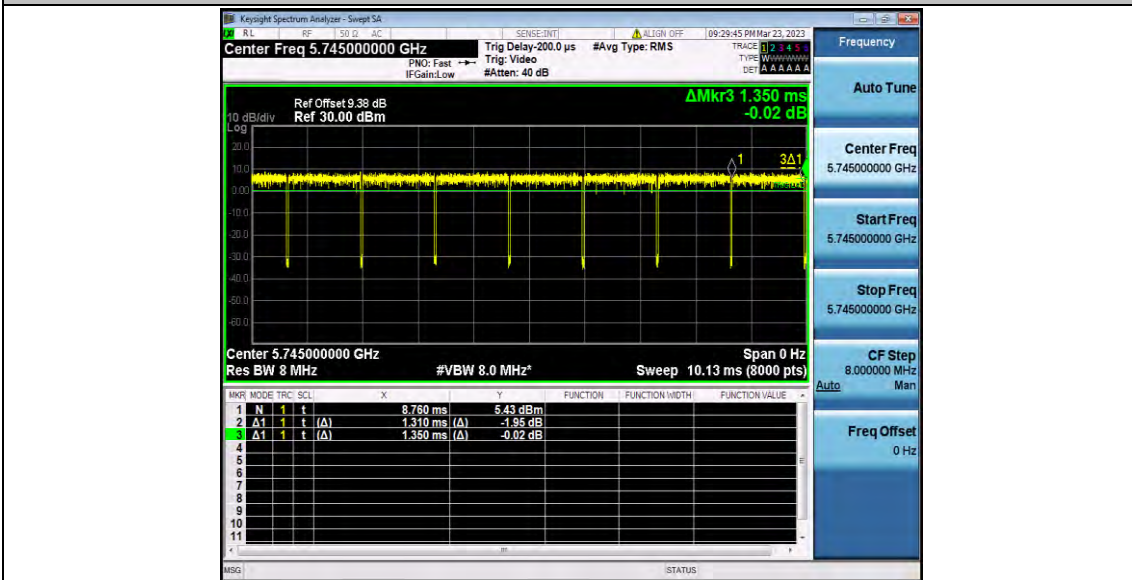
11N40SISO\_Ant1\_5755



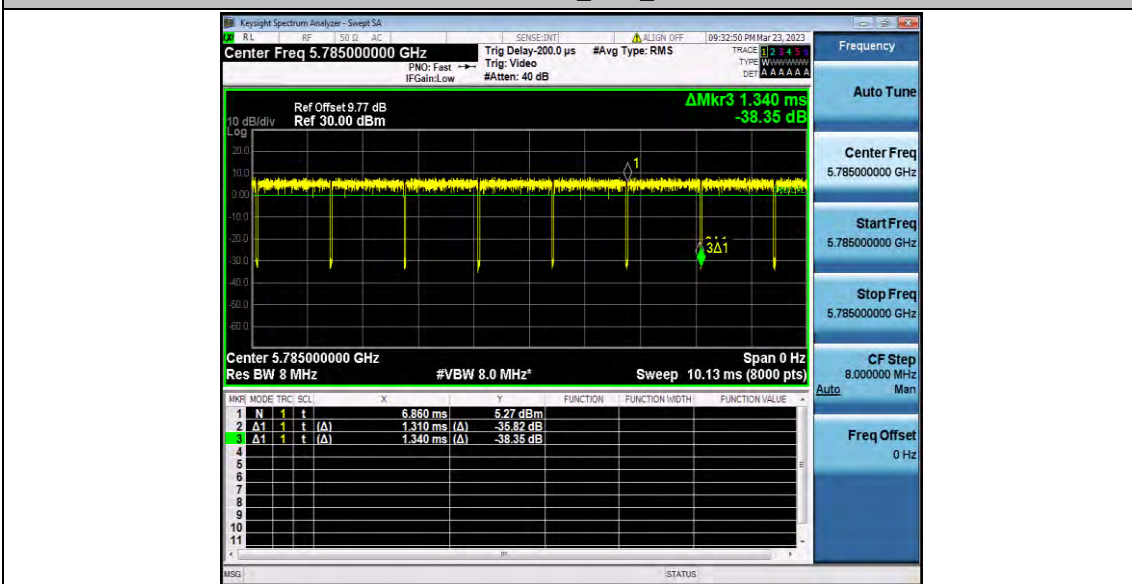
11N40SISO\_Ant1\_5795



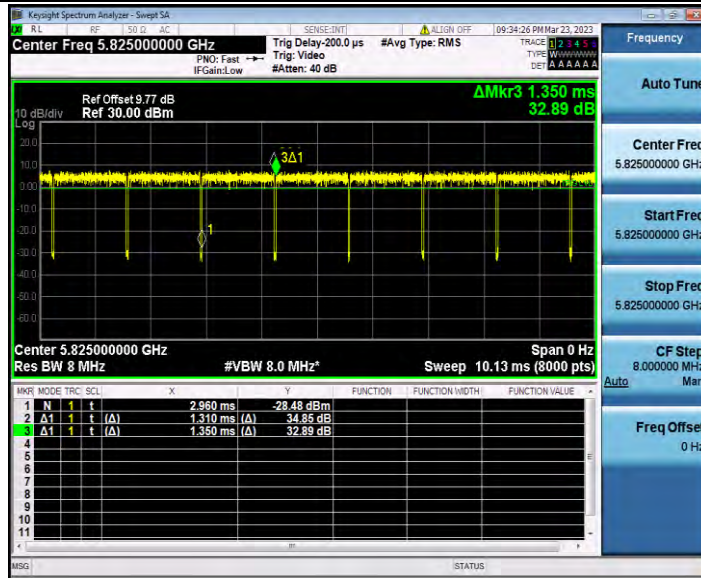
11AC20SISO\_Ant1\_5745



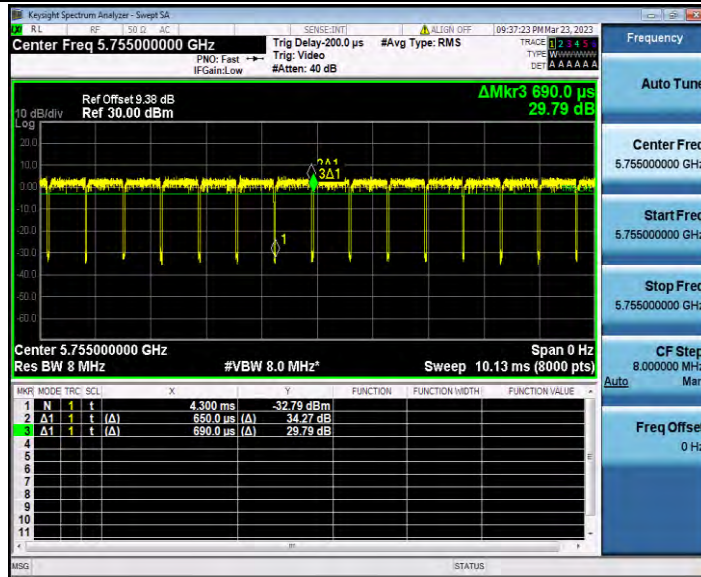
11AC20SISO\_Ant1\_5785



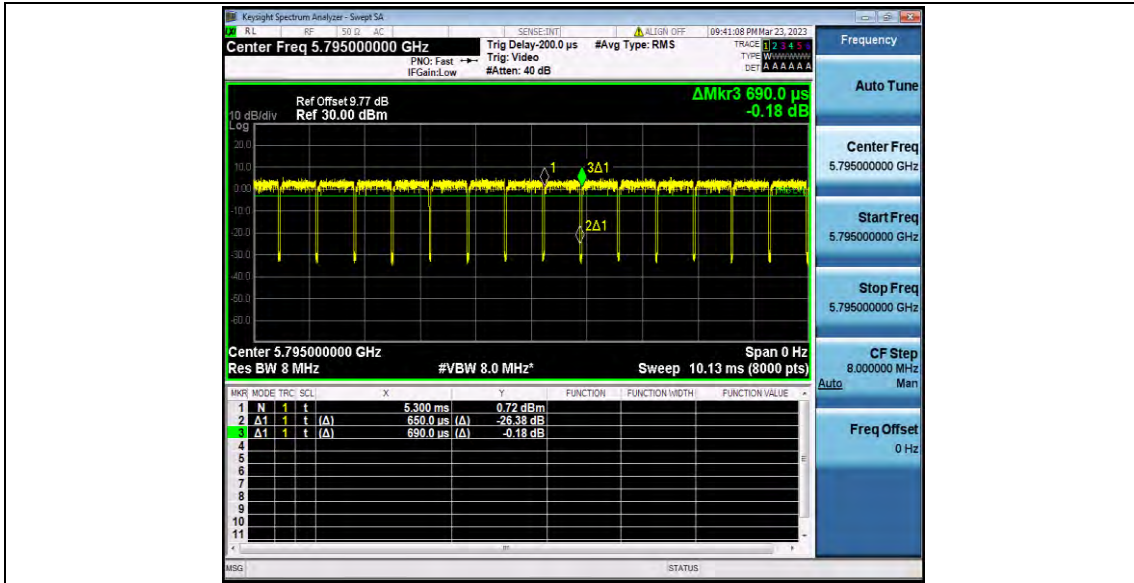
11AC20SISO\_Ant1\_5825



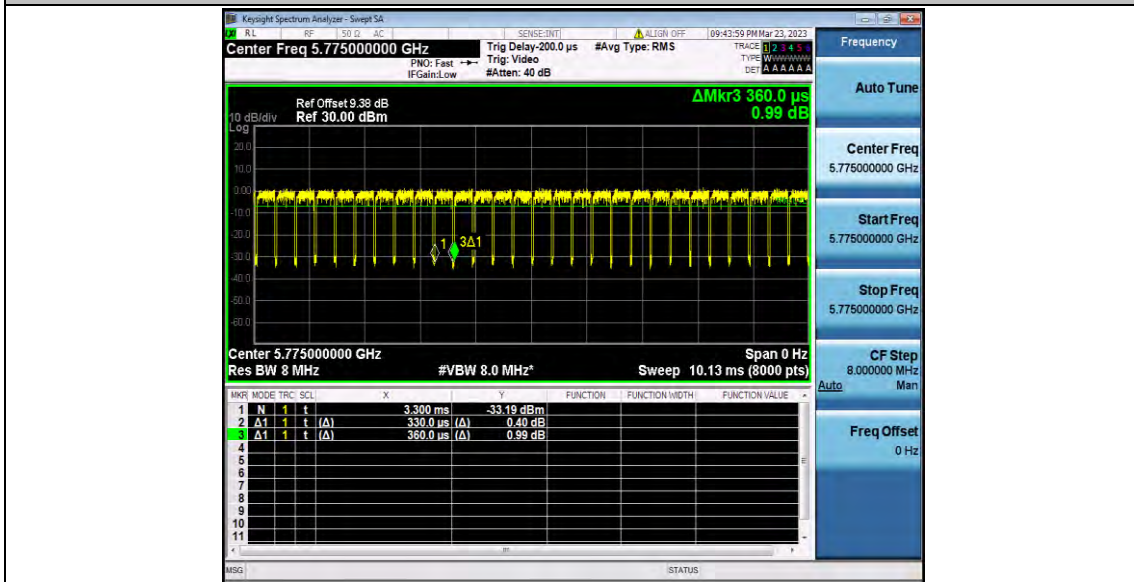
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix E.4: Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	10.29	97.20	0.12	10.41	≤30.00	PASS
		5785	10.91	97.90	0.09	11.00	≤30.00	PASS
		5825	10.70	97.20	0.12	10.82	≤30.00	PASS
11N20SISO	Ant1	5745	10.50	97.74	0.10	10.6	≤30.00	PASS
		5785	10.60	96.99	0.13	10.73	≤30.00	PASS
		5825	10.98	97.01	0.13	11.11	≤30.00	PASS
11N40SISO	Ant1	5755	10.74	94.12	0.26	11.00	≤30.00	PASS
		5795	10.34	94.12	0.26	10.60	≤30.00	PASS
11AC20SIS O	Ant1	5745	10.96	97.04	0.13	11.09	≤30.00	PASS
		5785	10.58	97.76	0.10	10.68	≤30.00	PASS
		5825	10.99	97.04	0.13	11.12	≤30.00	PASS
11AC40SIS O	Ant1	5755	10.23	94.20	0.26	10.49	≤30.00	PASS
		5795	10.35	94.20	0.26	10.61	≤30.00	PASS
11AC80SIS O	Ant1	5775	10.21	91.67	0.38	10.59	≤30.00	PASS

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

## Appendix E.5: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-4.67	≤30.00	PASS
		5785	-5.07	≤30.00	PASS
		5825	-5.25	≤30.00	PASS
11N20SISO	Ant1	5745	-5.57	≤30.00	PASS
		5785	-5.33	≤30.00	PASS
		5825	-6	≤30.00	PASS
11N40SISO	Ant1	5755	-8.09	≤30.00	PASS
		5795	-8.4	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.76	≤30.00	PASS
		5785	-5.34	≤30.00	PASS
		5825	-6.06	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.7	≤30.00	PASS
		5795	-8.4	≤30.00	PASS
11AC80SISO	Ant1	5775	-12.27	≤30.00	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\_5745



11A\_Ant1\_5785

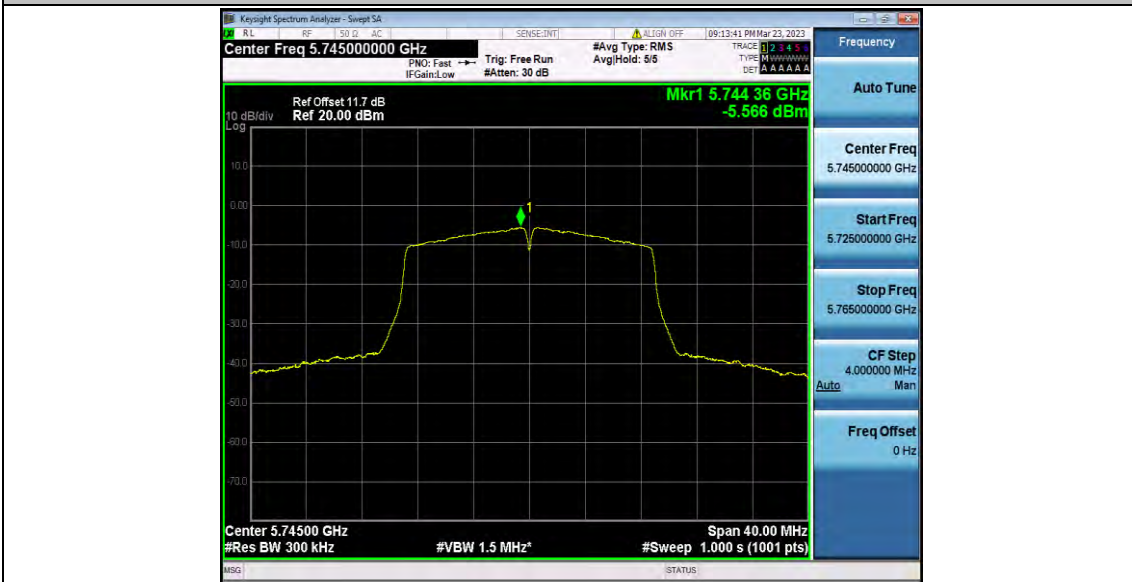


11A\_Ant1\_5825





11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



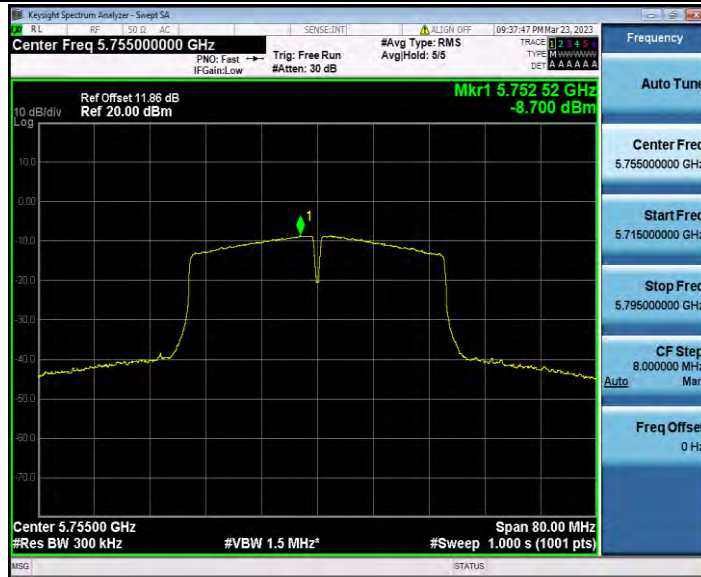
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775



## Appendix E.6: Band edge measurements

### Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.53	≤7.94	PASS
				5700~5720	-30.84	≤13.66	PASS
				5720~5725	-27.12	≤23.68	PASS
				5760~5650	-39.83	≤-27	PASS
		High	5825	5850~5855	-29.81	≤21.03	PASS
				5855~5875	-34.36	≤10.66	PASS
				5875~5925	-38.01	≤4.81	PASS
				5925~5935	-38.82	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.86	≤5.55	PASS
				5700~5720	-28.96	≤15.30	PASS
				5720~5725	-27.71	≤26.57	PASS
				5760~5650	-39.15	≤-27	PASS
		High	5825	5850~5855	-30.57	≤17.03	PASS
				5855~5875	-33.35	≤10.63	PASS
				5875~5925	-38.33	≤-22.66	PASS
				5925~5935	-38.7	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.19	≤7.56	PASS
				5700~5720	-24.29	≤15.43	PASS
				5720~5725	-21.67	≤23.12	PASS
				5780~5650	-39.05	≤-27	PASS
		High	5795	5850~5855	-34.34	≤15.66	PASS
				5855~5875	-34.55	≤10.73	PASS
				5875~5925	-38.71	≤6.29	PASS
				5925~5935	-38.6	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.19	≤-23.89	PASS
				5700~5720	-28.44	≤15.27	PASS
				5720~5725	-24.66	≤26.57	PASS
				5760~5650	-39.96	≤-27	PASS
		High	5825	5850~5855	-31.19	≤16.72	PASS
				5855~5875	-35.03	≤10.55	PASS
				5875~5925	-38.04	≤-1.68	PASS
				5925~5935	-38.66	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-33.41	≤9.46	PASS
				5700~5720	-29.91	≤15.54	PASS
				5720~5725	-28.31	≤25.89	PASS
				5780~5650	-39.17	≤-27	PASS

		High	5795	5850~5855	-35.57	$\leq 19.04$	PASS
				5855~5875	-36.43	$\leq 10.59$	PASS
				5875~5925	-37.55	$\leq -23.26$	PASS
				5925~5935	-38.98	$\leq -27$	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-30.47	$\leq 8.64$	PASS
				5700~5720	-28.75	$\leq 14.95$	PASS
				5720~5725	-27.85	$\leq 20.59$	PASS
				5800~5650	-36.89	$\leq -27$	PASS
		High	5775	5850~5855	-31.88	$\leq 24.23$	PASS
				5855~5875	-32.99	$\leq 11.63$	PASS
				5875~5925	-33.68	$\leq -25.04$	PASS
				5925~5935	-39.01	$\leq -27$	PASS

### Test Graphs B4


**11A\_Ant1\_High\_5825**

**Frequency**

Auto Tune

Center Freq  
5.86750000 GHz

Start Freq  
5.80000000 GHz

Stop Freq  
5.93500000 GHz

CF Step  
13.500000 MHz

Freq Offset  
0 Hz

**11N20ISO\_Ant1\_Low\_5745**





11N20SISO\_Ant1\_High\_5825



11N40SISO\_Ant1\_Low\_5755



11N40SISO\_Ant1\_High\_5795



11AC20SISO\_Ant1\_Low\_5745



11AC20SISO\_Ant1\_High\_5825



11AC40SISO\_Ant1\_Low\_5755



11AC40SISO\_Ant1\_High\_5795



11AC80SISO\_Ant1\_Low\_5775



11AC80SISO\_Ant1\_High\_5775

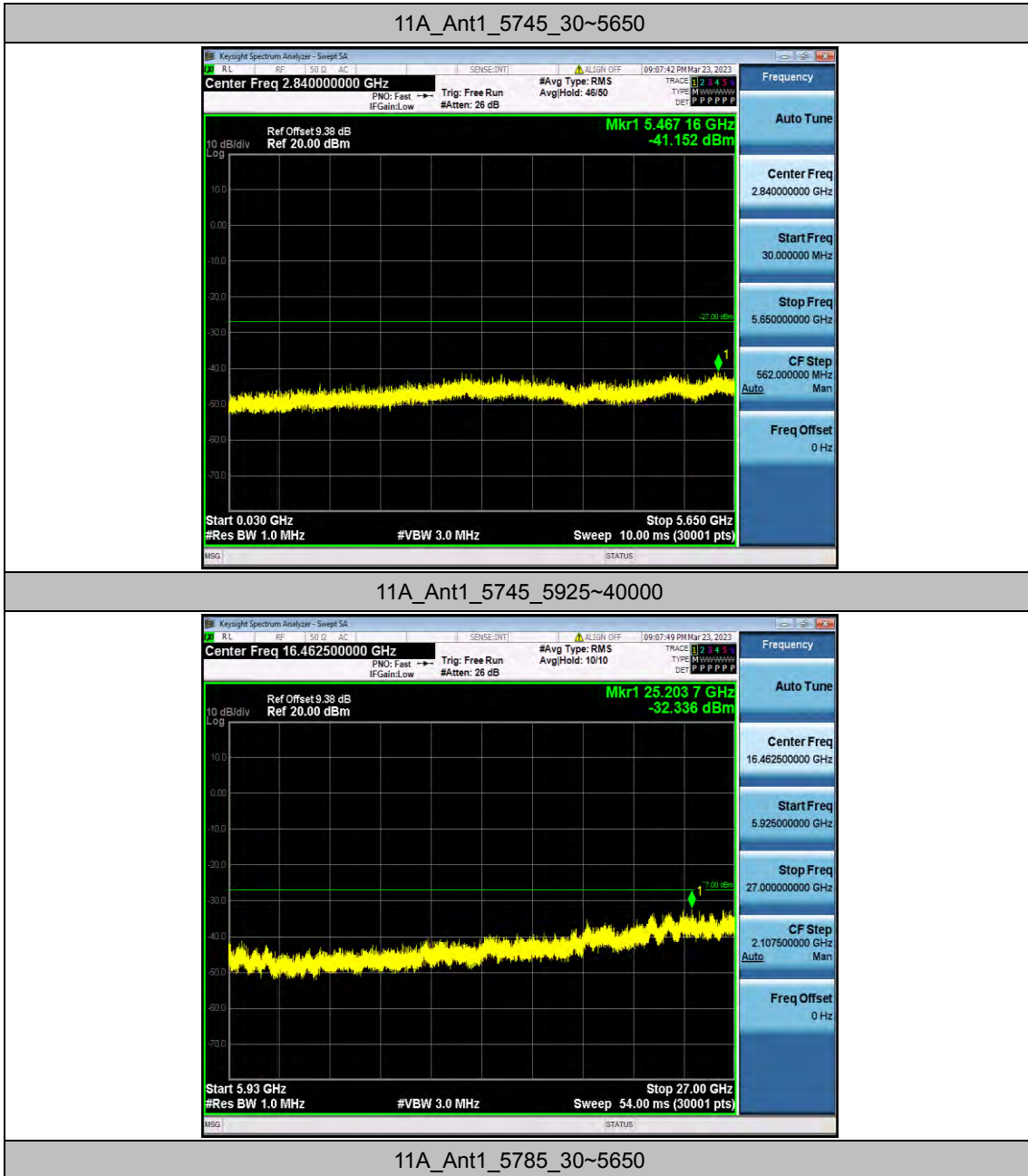


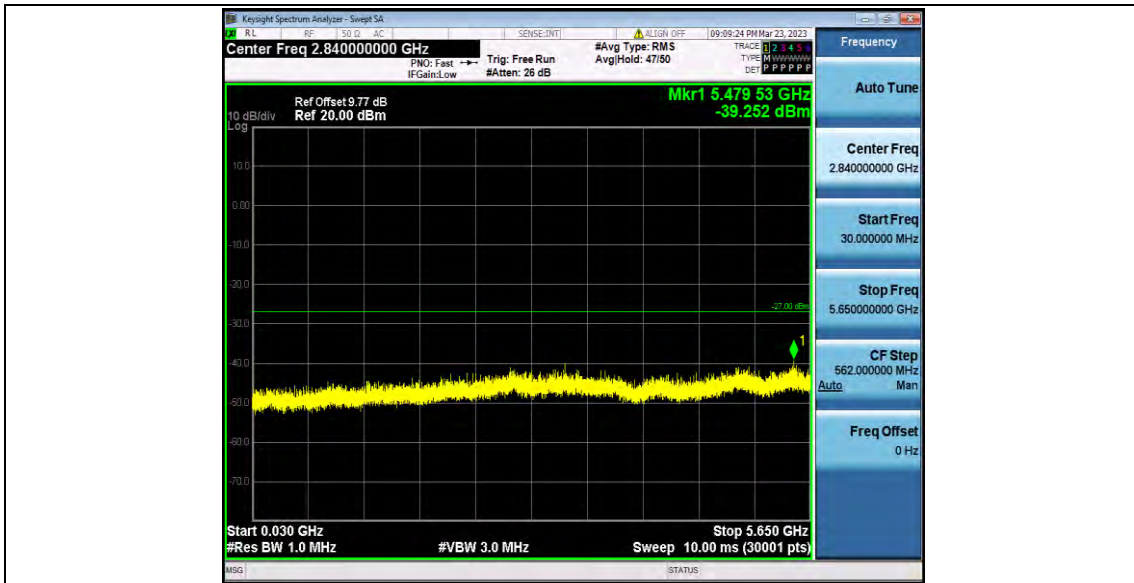
## Appendix E.7: Conducted Spurious Emission

### Test Result

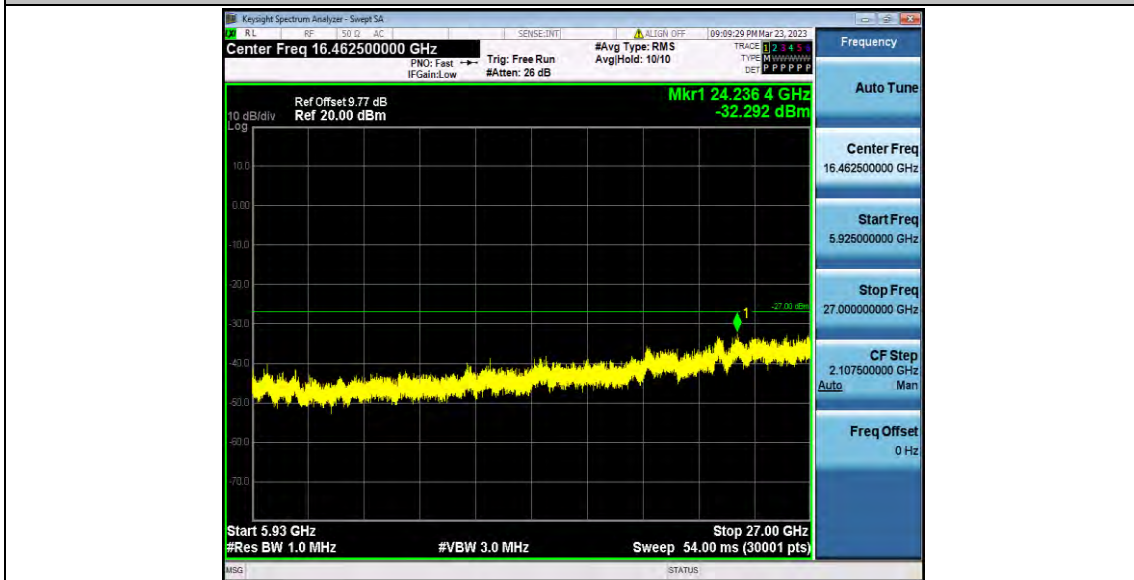
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5467.16	-41.15	≤-27	PASS
			5925~40000	25203.71	-32.34	≤-27	PASS
		5785	30~5650	5479.53	-39.25	≤-27	PASS
			5925~40000	24236.37	-32.29	≤-27	PASS
		5825	30~5650	5454.99	-41.26	≤-27	PASS
			5925~40000	26640.32	-32.57	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2687.32	-40.43	≤-27	PASS
			5925~40000	26053.73	-31.97	≤-27	PASS
		5785	30~5650	5398.79	-39.55	≤-27	PASS
			5925~40000	24227.94	-31.32	≤-27	PASS
		5825	30~5650	5463.42	-40.59	≤-27	PASS
			5925~40000	25581.65	-30.71	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2665.41	-40.25	≤-27	PASS
			5925~40000	26864.42	-32.19	≤-27	PASS
		5795	30~5650	5288.63	-40.84	≤-27	PASS
			5925~40000	26549.7	-32.46	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5429.32	-41.31	≤-27	PASS
			5925~40000	26575.69	-32.3	≤-27	PASS
		5785	30~5650	4929.33	-40.48	≤-27	PASS
			5925~40000	24929.03	-32.45	≤-27	PASS
		5825	30~5650	2626.07	-39.76	≤-27	PASS
			5925~40000	26060.76	-31.69	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5551.09	-41.03	≤-27	PASS
			5925~40000	26752.02	-32.37	≤-27	PASS
		5795	30~5650	4861.33	-40.68	≤-27	PASS
			5925~40000	24320.67	-31.01	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5631.83	-40.27	≤-27	PASS
			5925~40000	26083.94	-31.79	≤-27	PASS

## Test Graphs





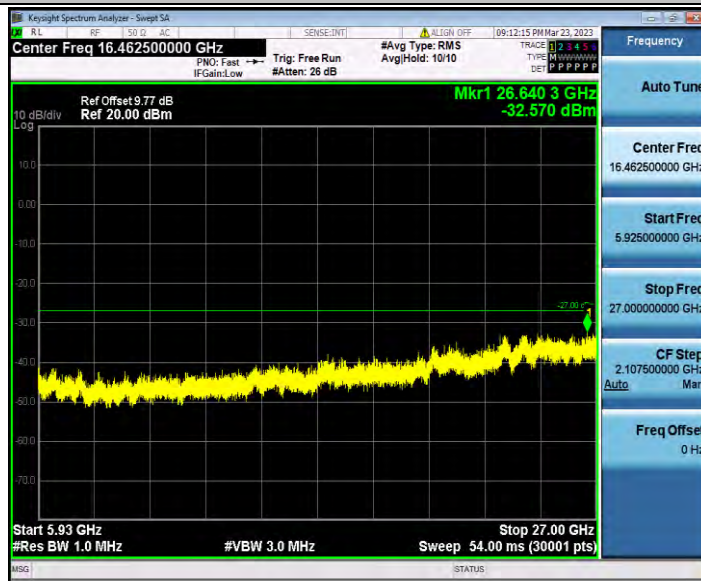
11A\_Ant1\_5785\_5925~40000



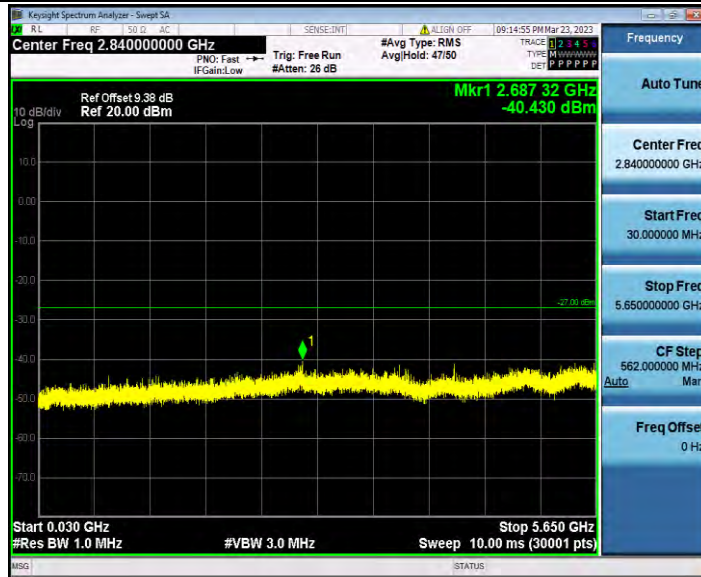
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11A\_Ant1\_5825\_5925~40000



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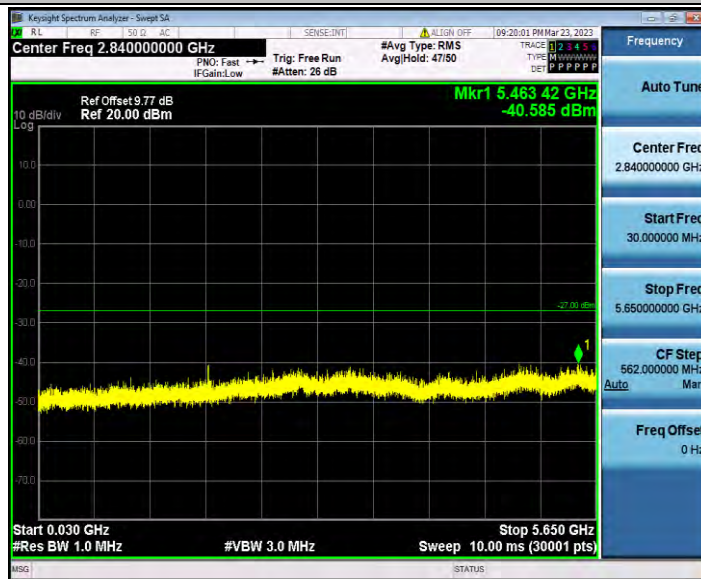
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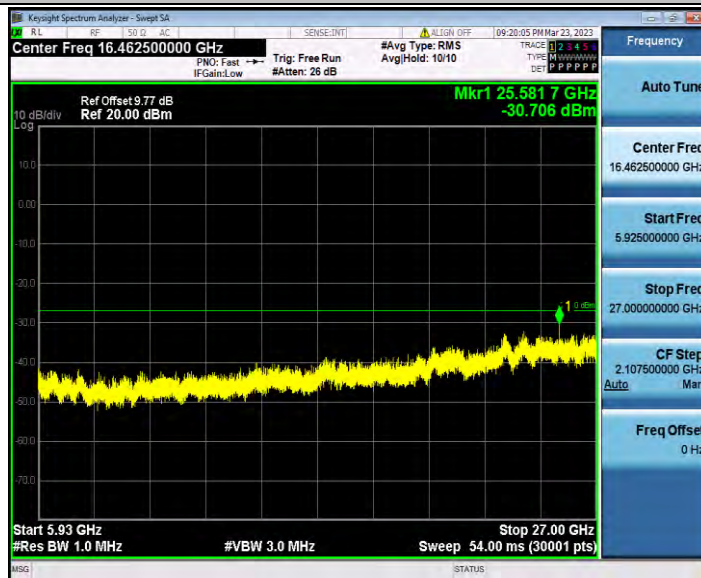
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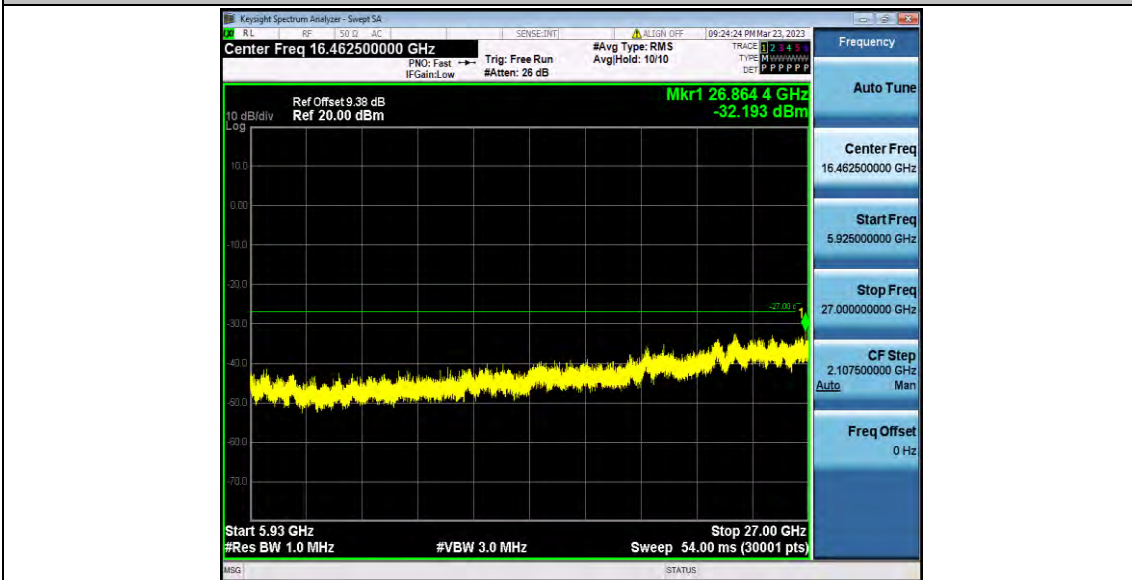
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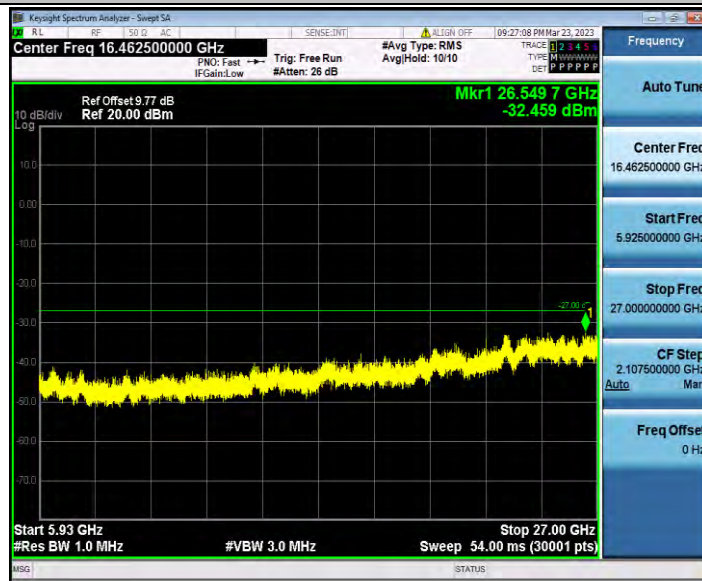
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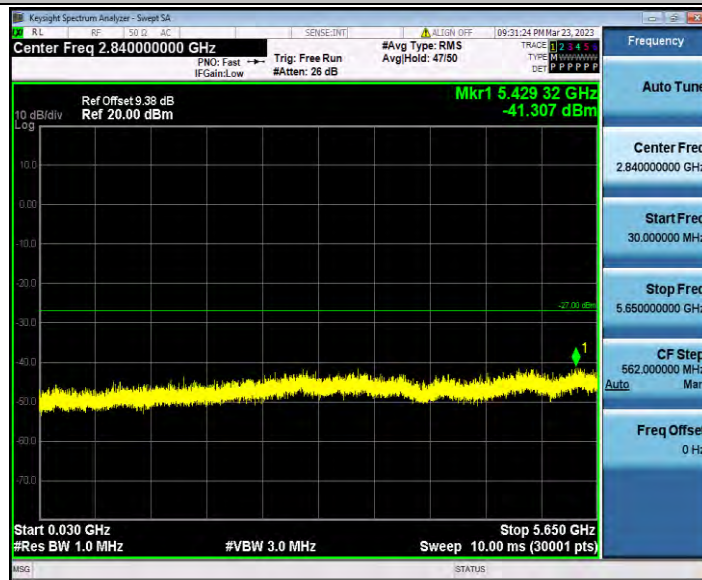
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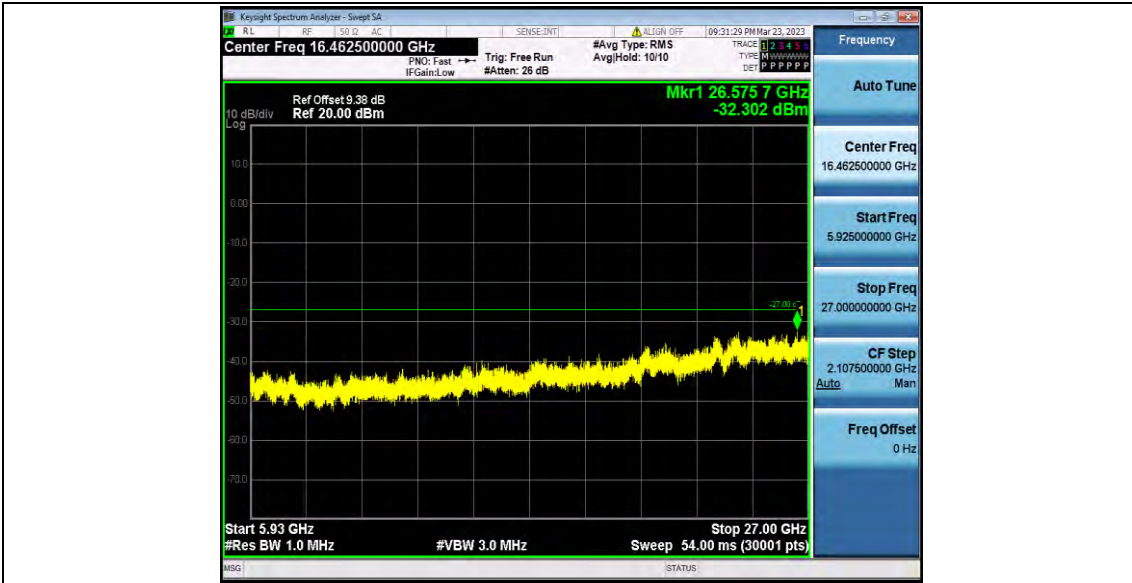
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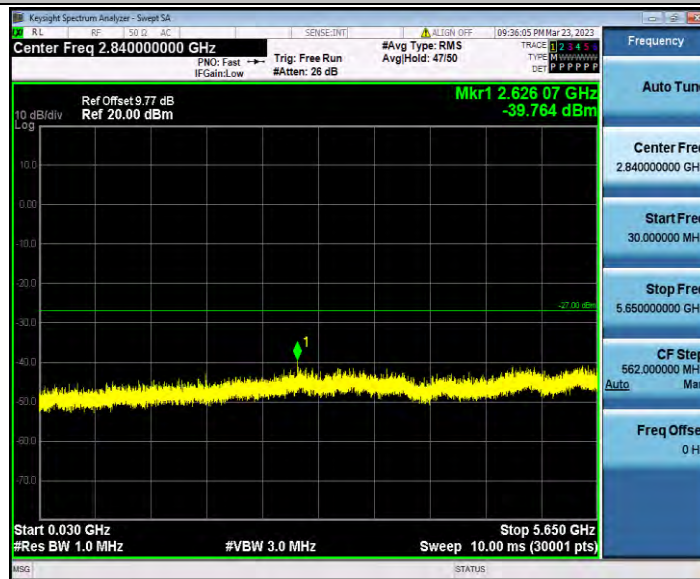
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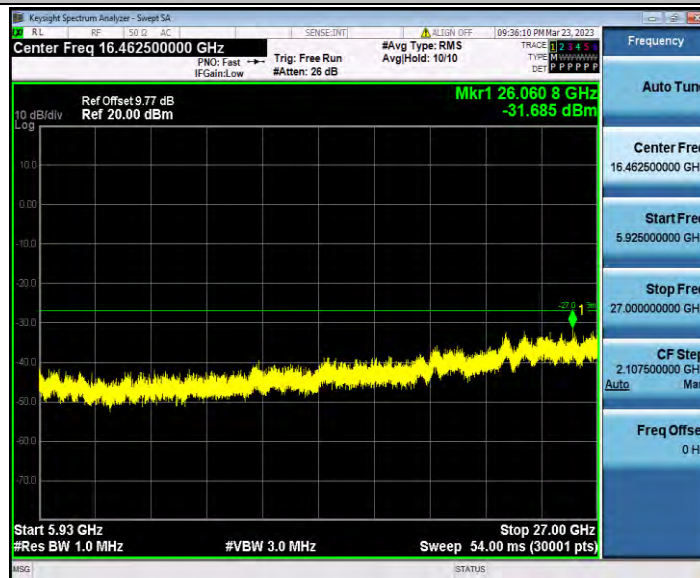
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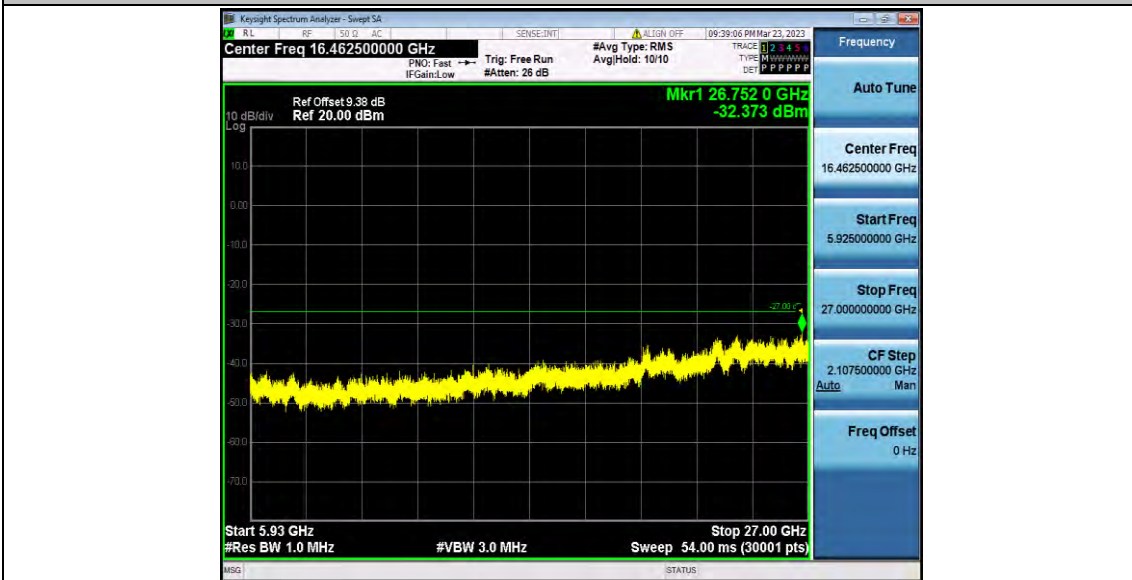
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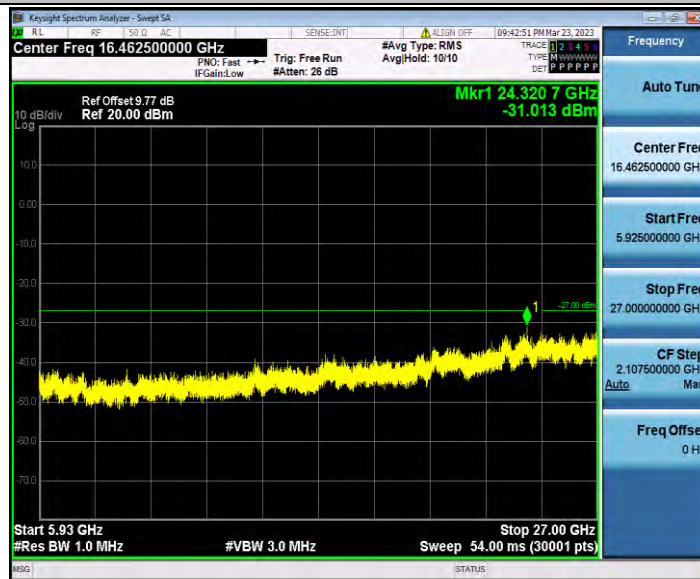
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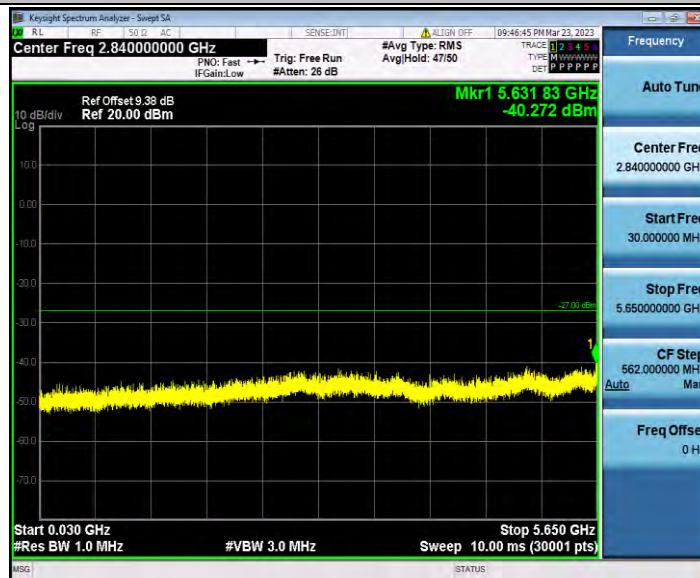
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