

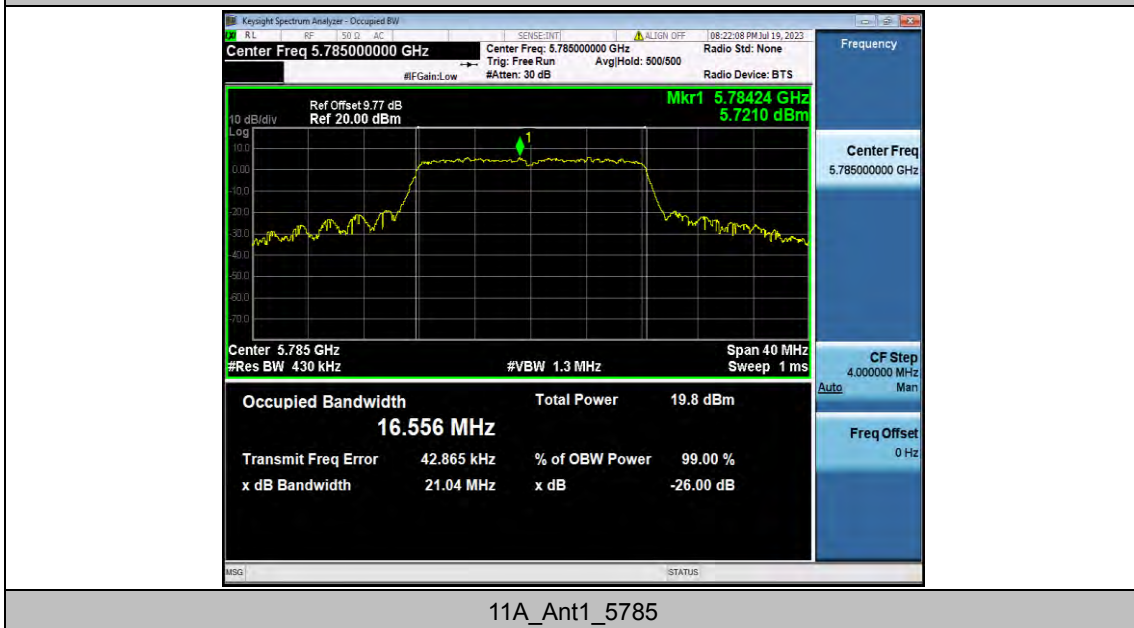
<b>Case No. :</b> <u>GTS20230629015-1-13</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.7.19</u> <b>Test Engineer:</b> <u>Evan Ouyang</u>

## Appendix G.1: Occupied channel bandwidth

### Test Result

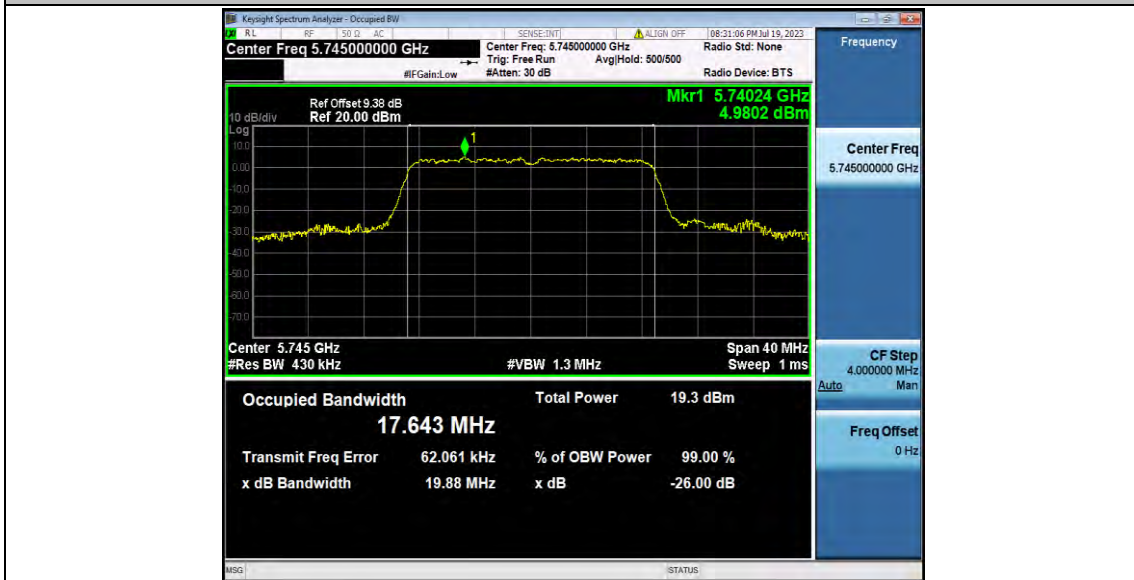
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.635	5736.673	5753.308	---	---
		5785	16.556	5776.765	5793.321	---	---
		5825	16.550	5816.788	5833.338	---	---
11N20SISO	Ant1	5745	17.643	5736.241	5753.884	---	---
		5785	17.639	5776.249	5793.888	---	---
		5825	17.639	5816.262	5833.901	---	---
11N40SISO	Ant1	5755	36.454	5736.933	5773.387	---	---
		5795	36.403	5776.958	5813.361	---	---
11AC20SISO	Ant1	5745	17.659	5736.228	5753.887	---	---
		5785	17.640	5776.245	5793.885	---	---
		5825	17.643	5816.263	5833.906	---	---
11AC40SISO	Ant1	5755	36.417	5736.946	5773.363	---	---
		5795	36.409	5776.956	5813.365	---	---
11AC80SISO	Ant1	5775	74.555	5737.951	5812.506	---	---

## Test Graphs

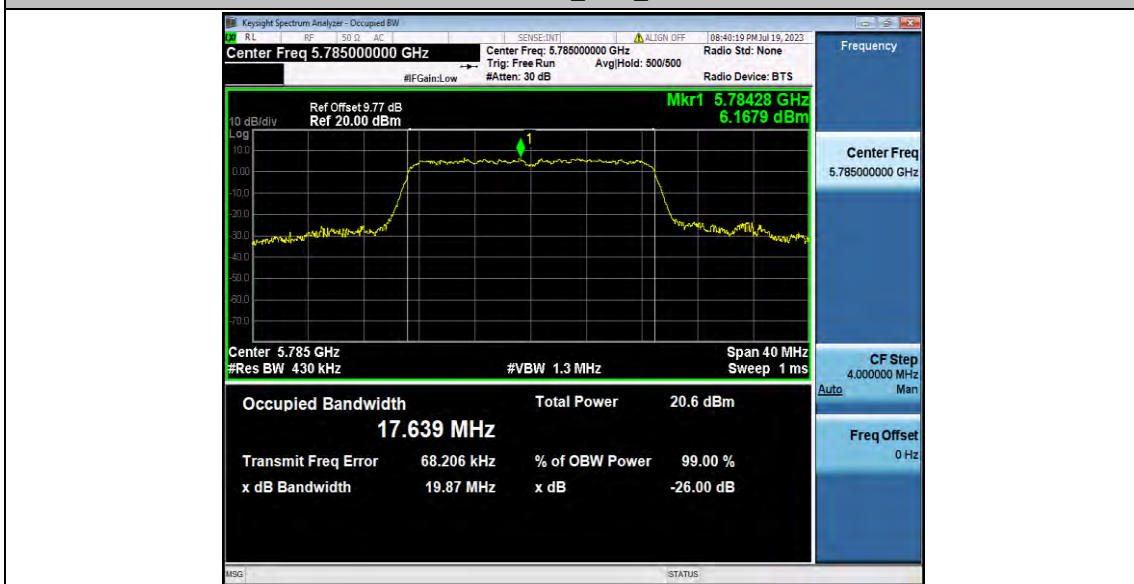




11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



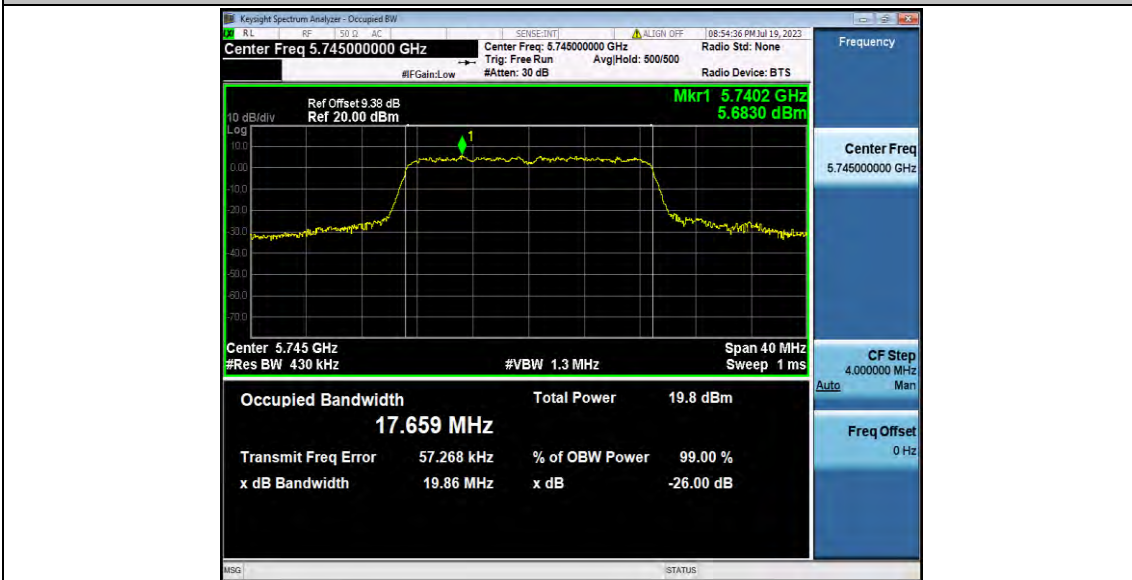
11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



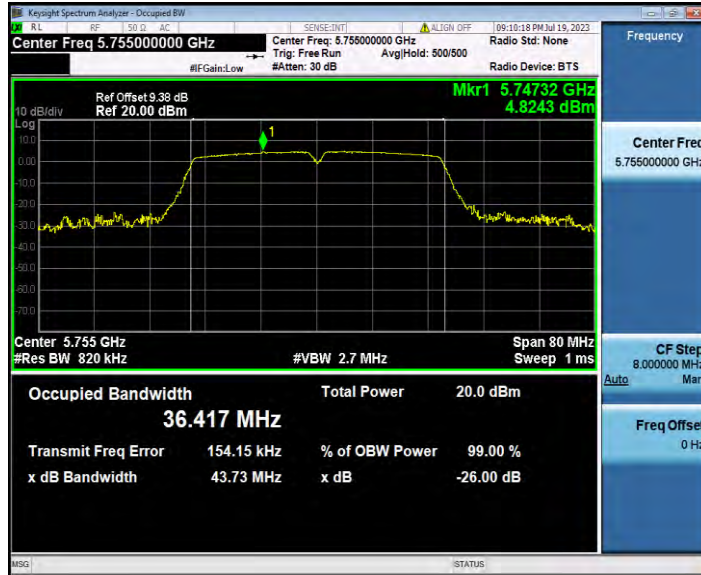
11AC20SISO\_Ant1\_5745



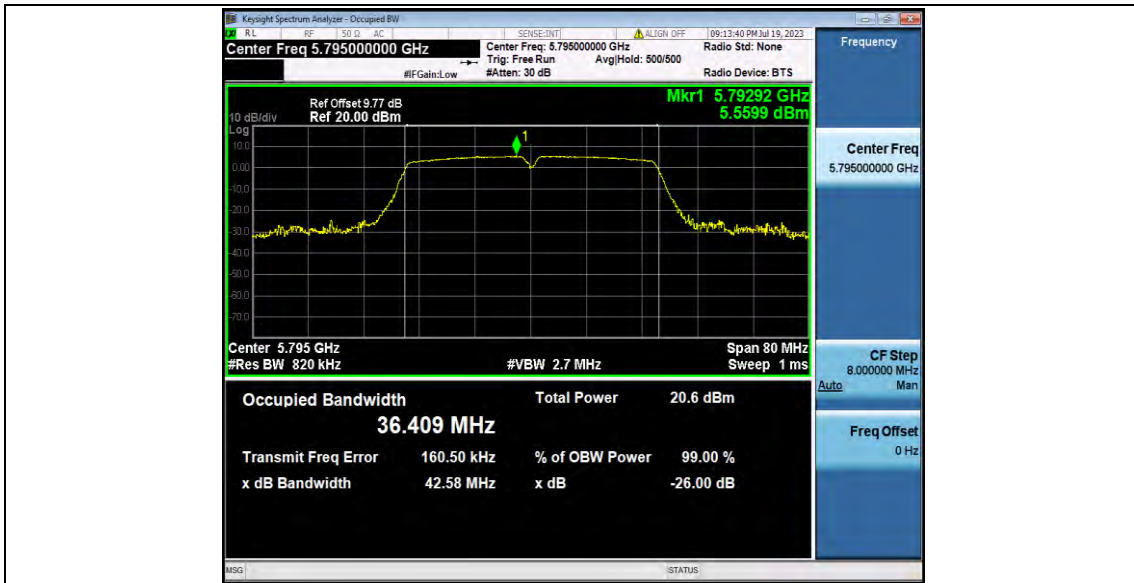
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix G.2: Min emission bandwidth

### Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.480	5776.800	5793.280	0.5	PASS
		5825	16.480	5816.840	5833.320	0.5	PASS
11N20SISO	Ant1	5745	17.680	5736.200	5753.880	0.5	PASS
		5785	17.640	5776.240	5793.880	0.5	PASS
		5825	17.640	5816.240	5833.880	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.200	5753.880	0.5	PASS
		5785	17.680	5776.200	5793.880	0.5	PASS
		5825	17.640	5816.240	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS



### Test Graphs B4



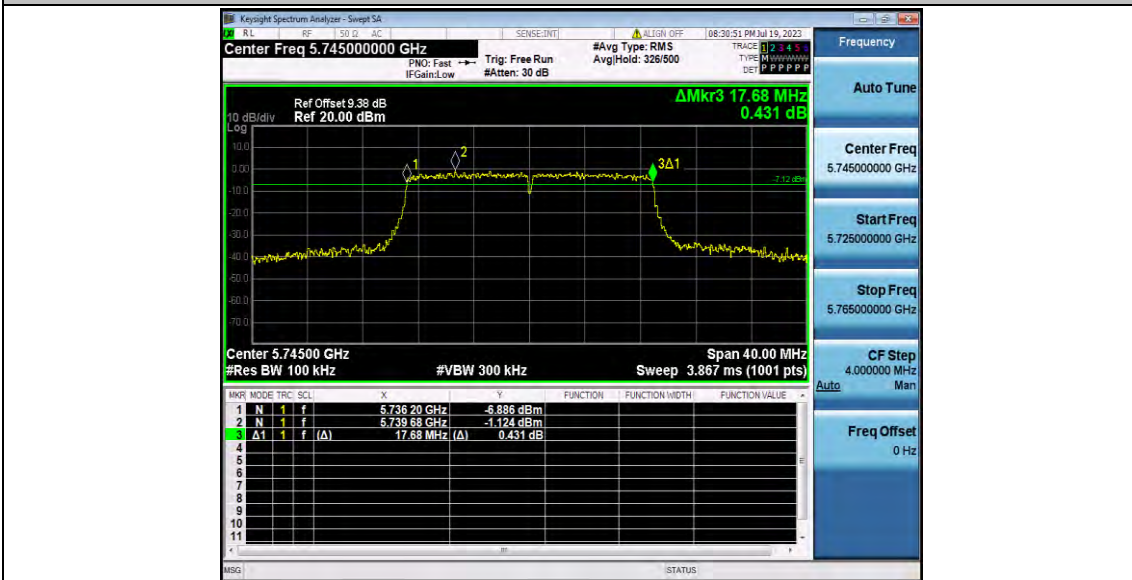
11A\_Ant1\_5745



11A\_Ant1\_5785



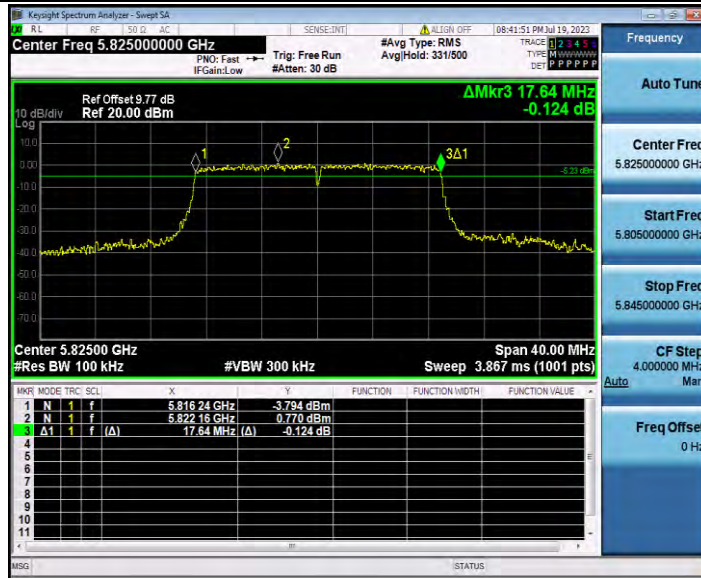
11A\_Ant1\_5825



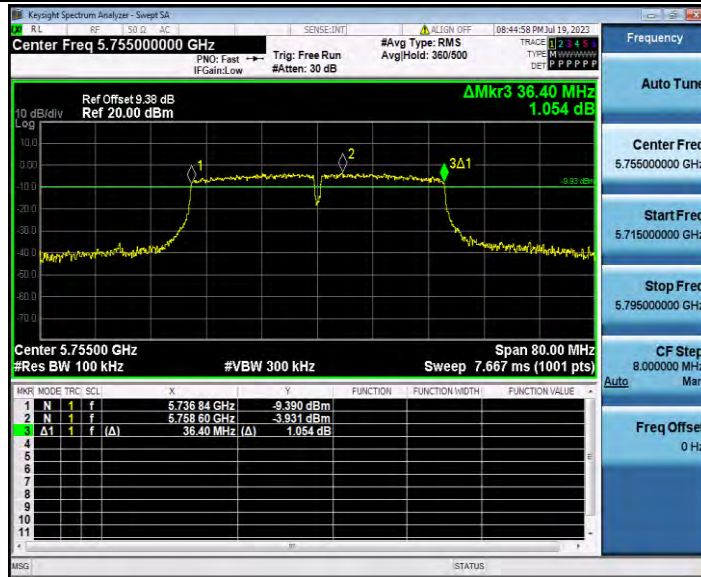
11N20SISO\_Ant1\_5745



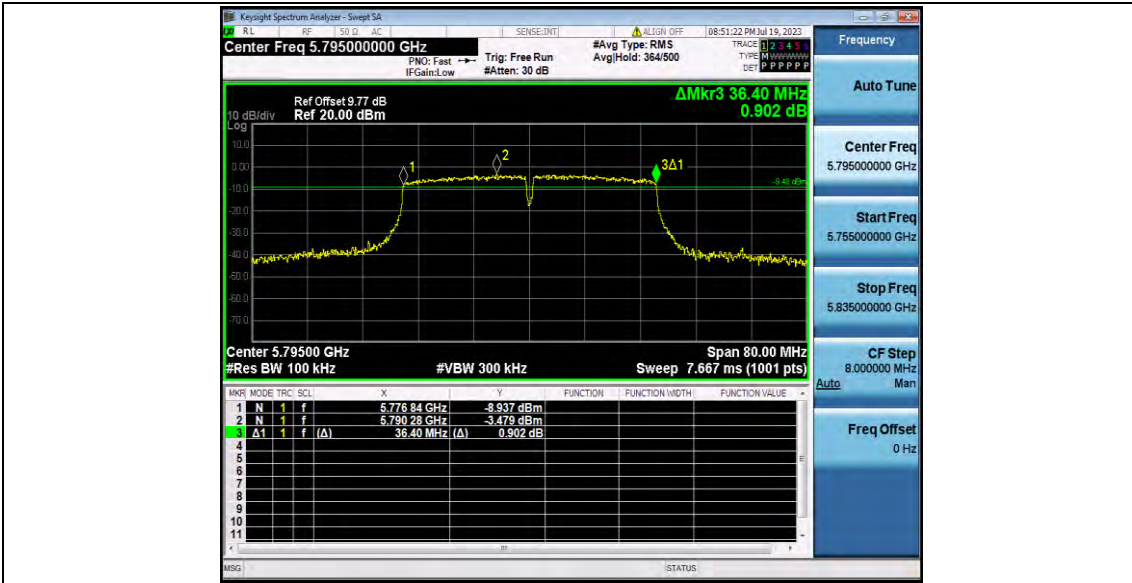
11N20SISO\_Ant1\_5785



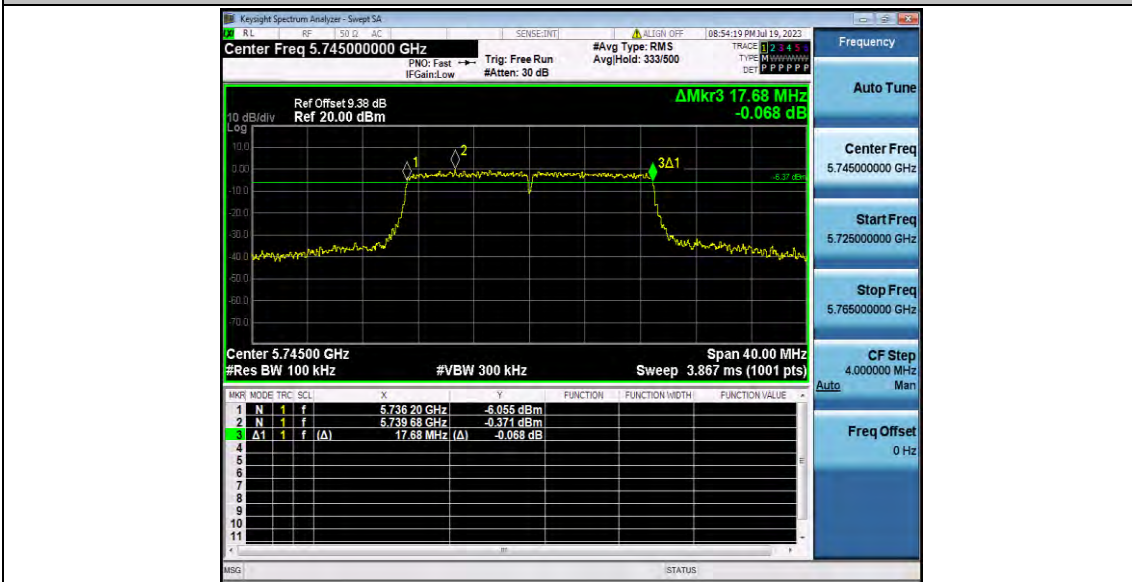
11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



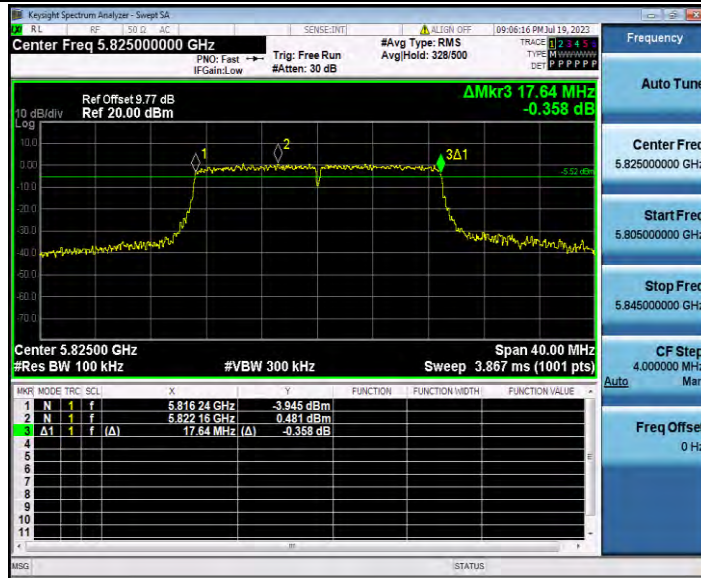
11N40SISO\_Ant1\_5795



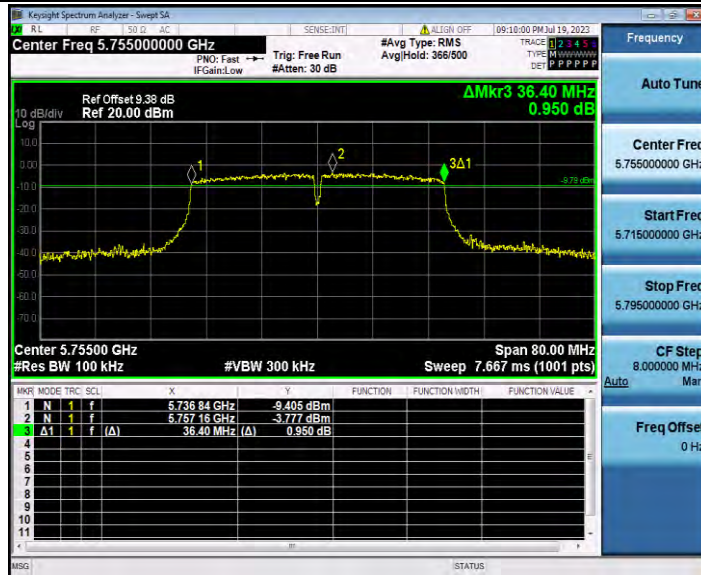
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



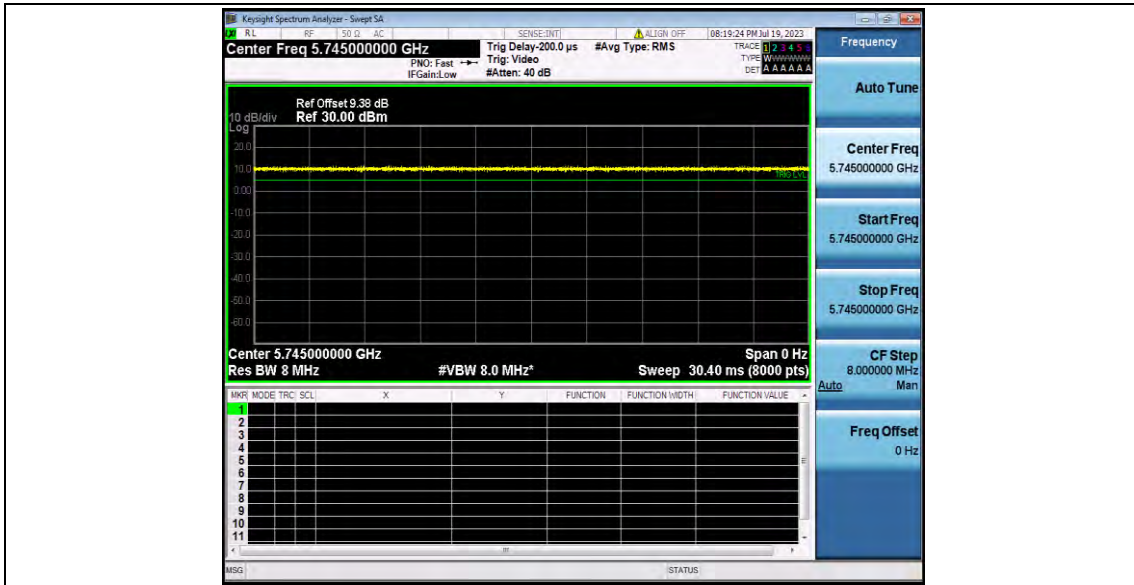
11AC80SISO\_Ant1\_5775

## Appendix G.3: Duty Cycle

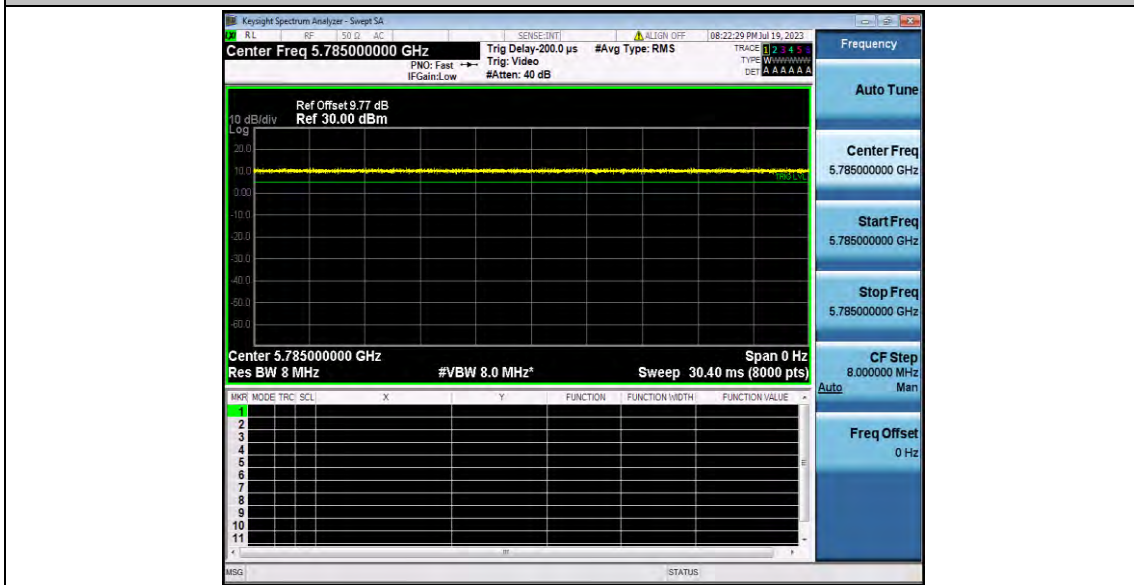
### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5775	30.00	30.00	100.00

## Test Graphs

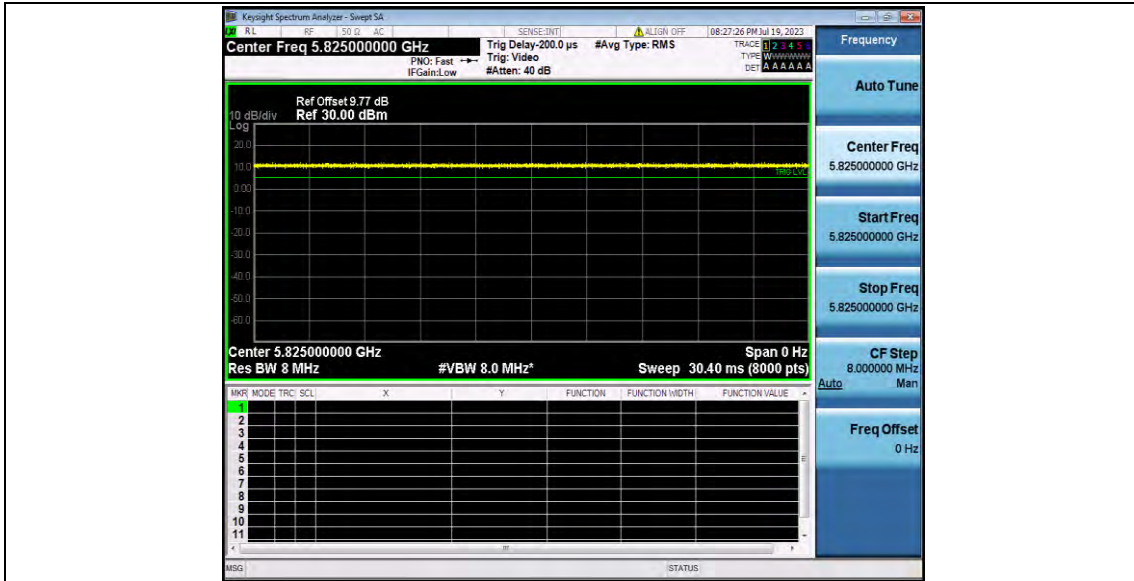


11A\_Ant1\_5745

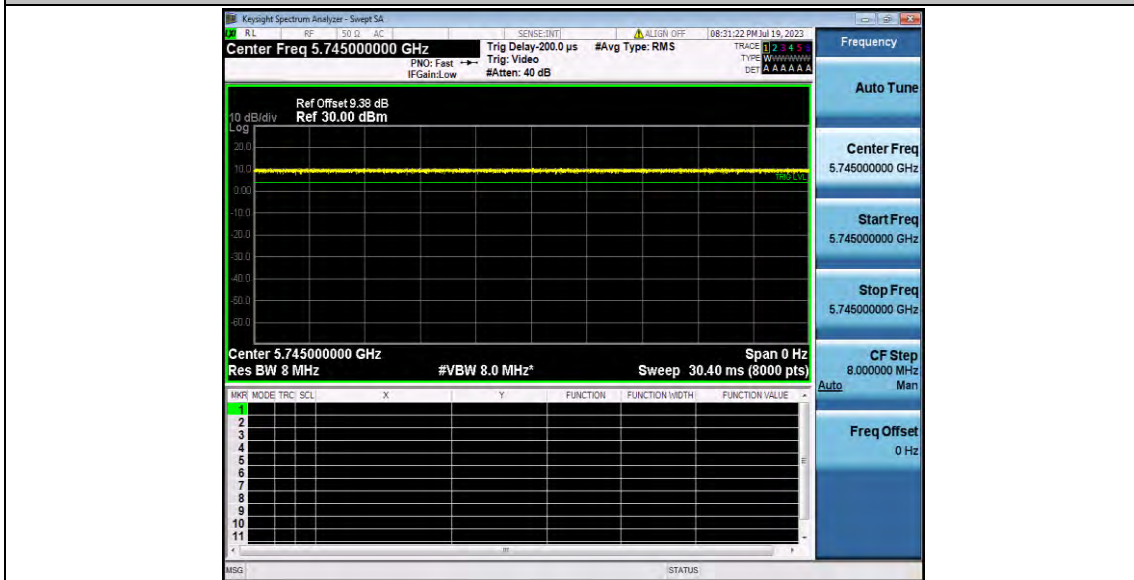


11A\_Ant1\_5785

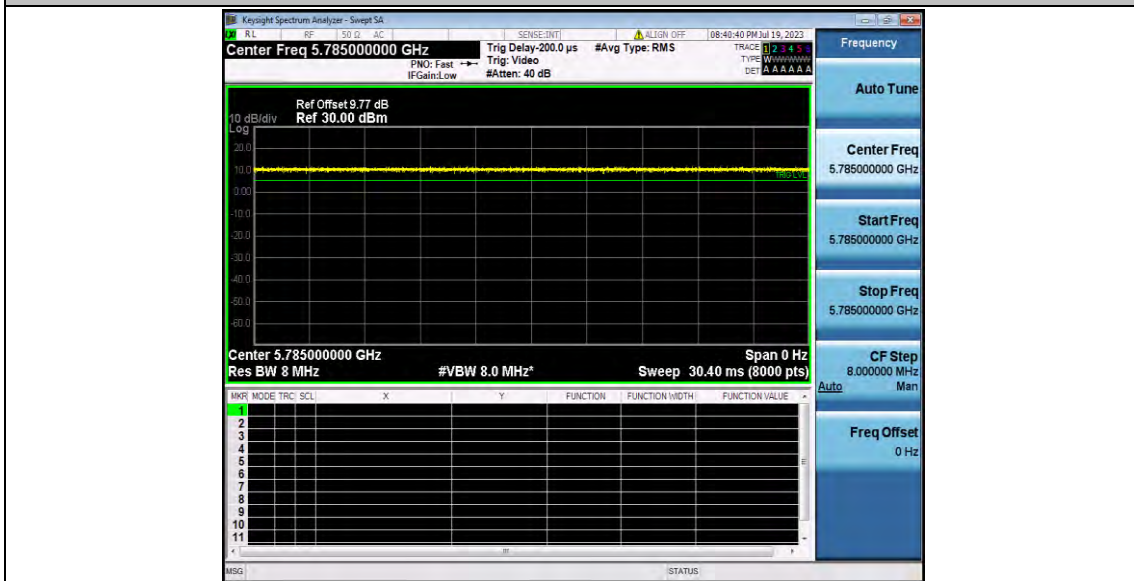




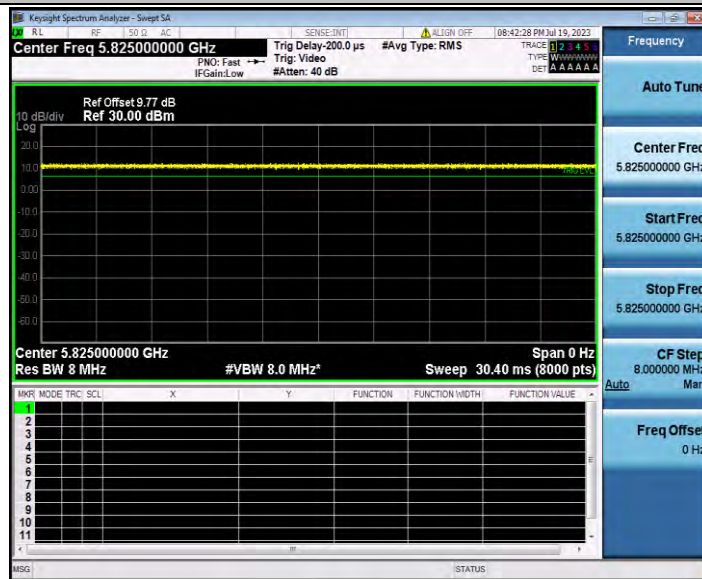
11A\_Ant1\_5825



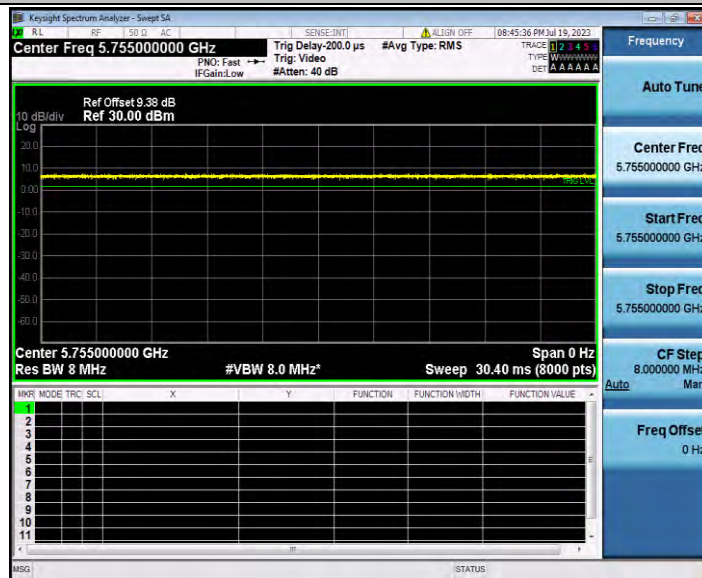
11N20SISO\_Ant1\_5745



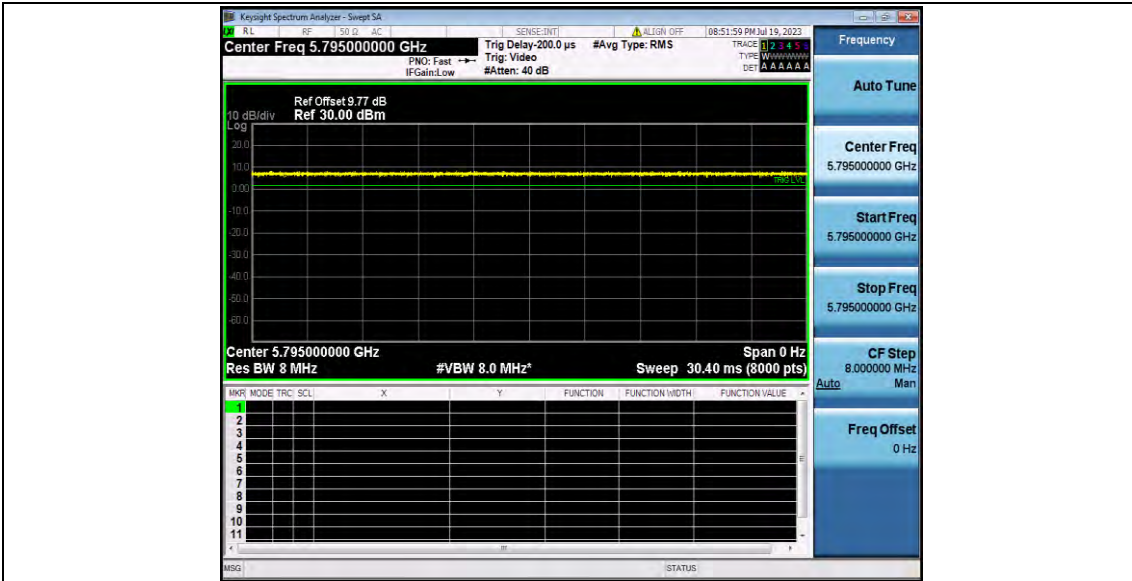
11N20SISO\_Ant1\_5785



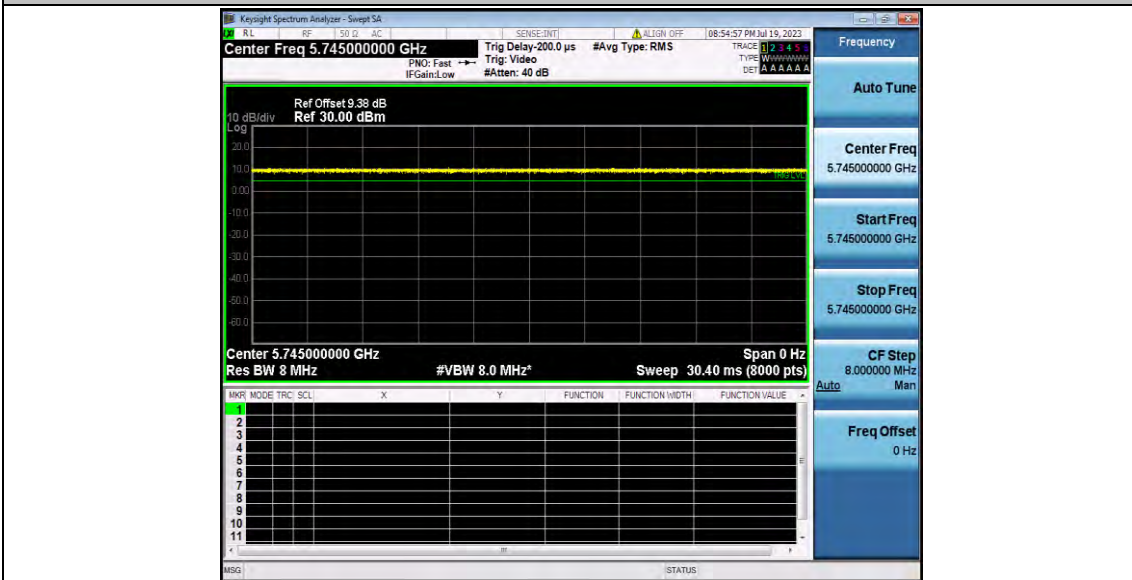
11N20SISO\_Ant1\_5825



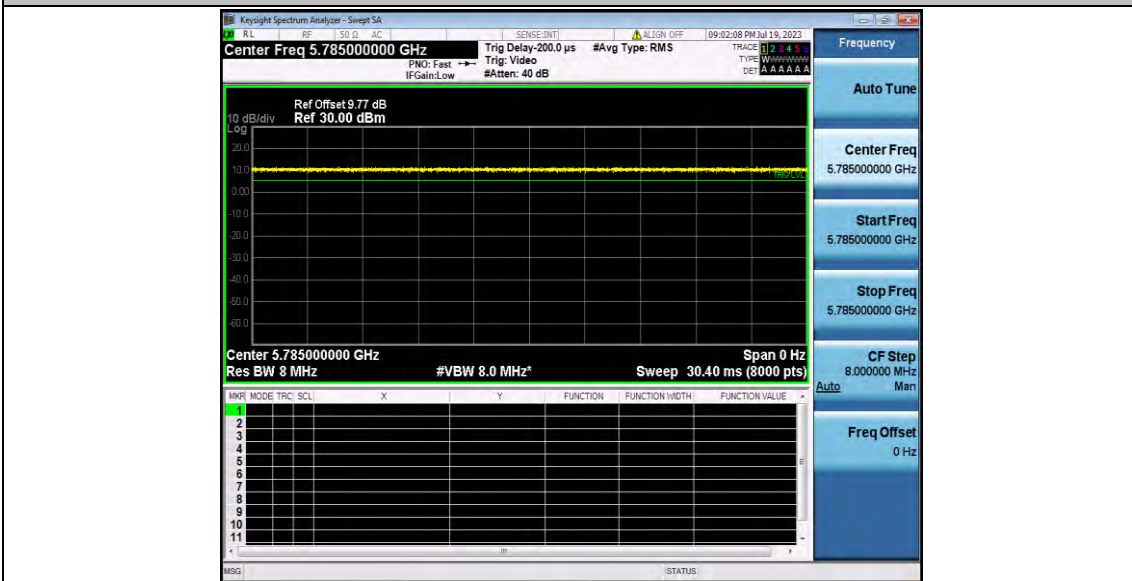
11N40SISO\_Ant1\_5755



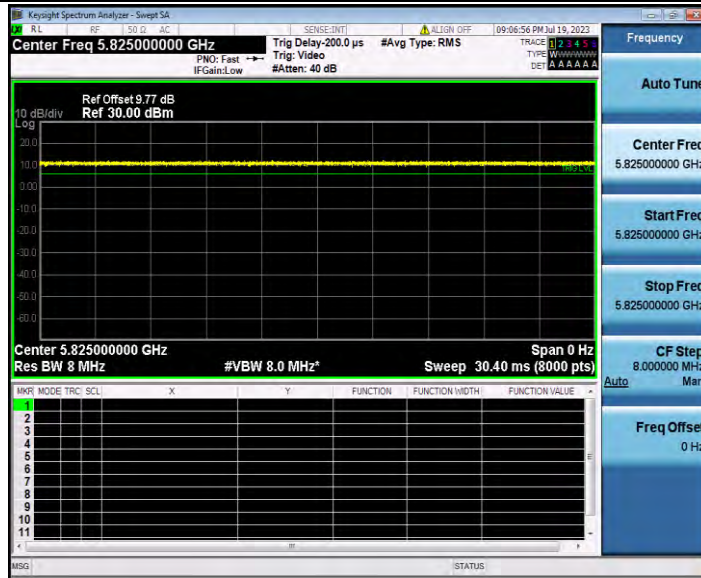
11N40SISO\_Ant1\_5795



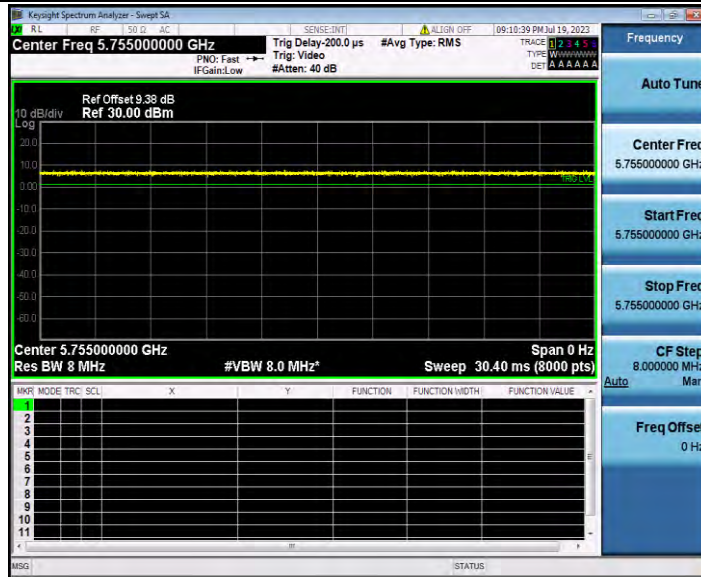
11AC20SISO\_Ant1\_5745



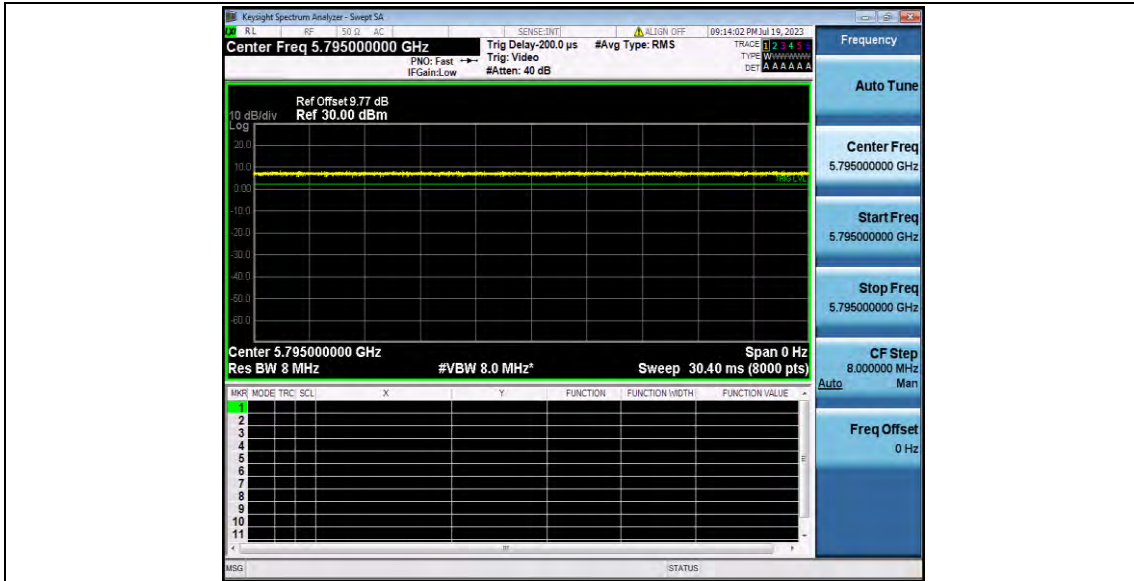
11AC20SISO\_Ant1\_5785



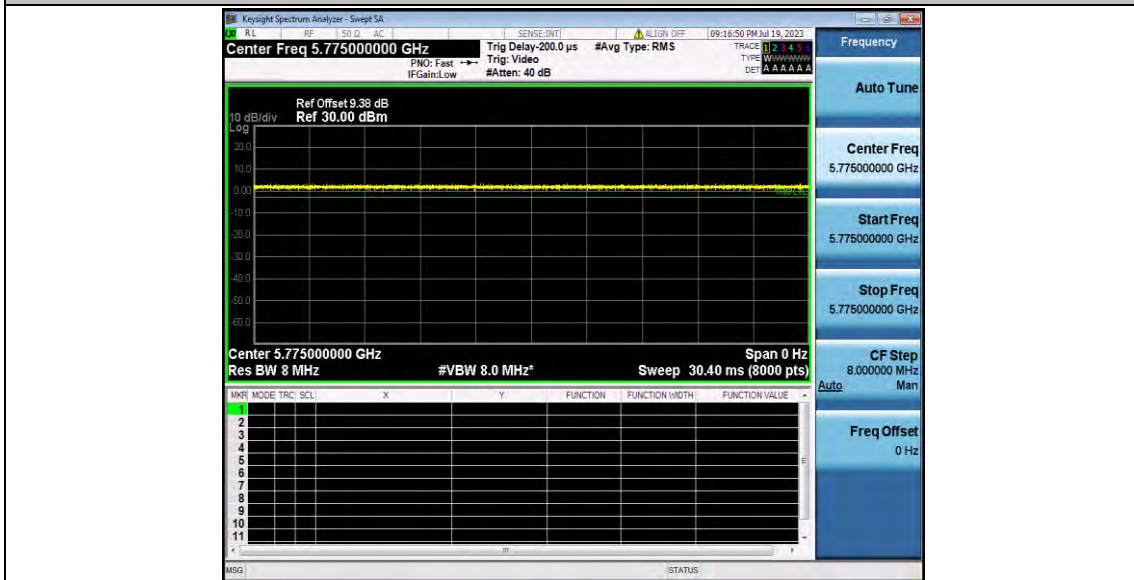
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix G.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	13.23	100.00	0.00	13.23	≤30.00	PASS
		5785	13.35	100.00	0.00	13.35	≤30.00	PASS
		5825	13.98	100.00	0.00	13.98	≤30.00	PASS
11N20SISO	Ant1	5745	12.65	100.00	0.00	12.65	≤30.00	PASS
		5785	14.02	100.00	0.00	14.02	≤30.00	PASS
		5825	14.82	100.00	0.00	14.82	≤30.00	PASS
11N40SISO	Ant1	5755	12.87	100.00	0.00	12.87	≤30.00	PASS
		5795	13.46	100.00	0.00	13.46	≤30.00	PASS
11AC20SISO	Ant1	5745	13.12	100.00	0.00	13.12	≤30.00	PASS
		5785	13.92	100.00	0.00	13.92	≤30.00	PASS
		5825	14.74	100.00	0.00	14.74	≤30.00	PASS
11AC40SISO	Ant1	5755	12.79	100.00	0.00	12.79	≤30.00	PASS
		5795	13.53	100.00	0.00	13.53	≤30.00	PASS
11AC80SISO	Ant1	5775	11.45	100.00	0.00	11.45	≤30.00	PASS

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

## Appendix G.5: Maximum power spectral density

### Test Result

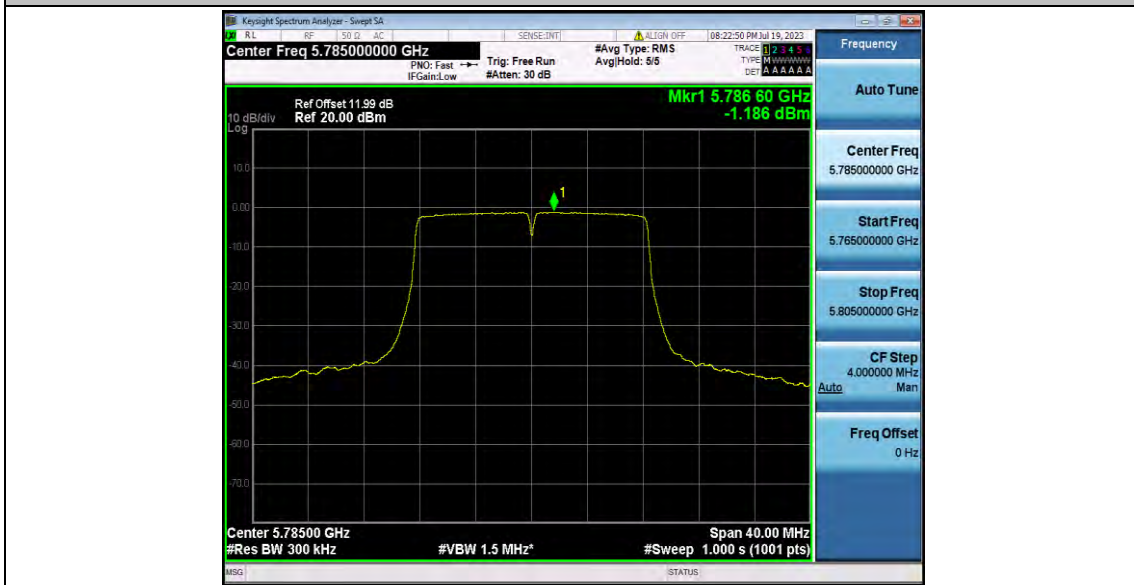
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.44	≤30.00	PASS
		5785	-1.19	≤30.00	PASS
		5825	-0.58	≤30.00	PASS
11N20SISO	Ant1	5745	-2	≤30.00	PASS
		5785	-0.87	≤30.00	PASS
		5825	0	≤30.00	PASS
11N40SISO	Ant1	5755	-4.54	≤30.00	PASS
		5795	-3.9	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.9	≤30.00	PASS
		5785	-0.88	≤30.00	PASS
		5825	-0.2	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.65	≤30.00	PASS
		5795	-3.91	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.6	≤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

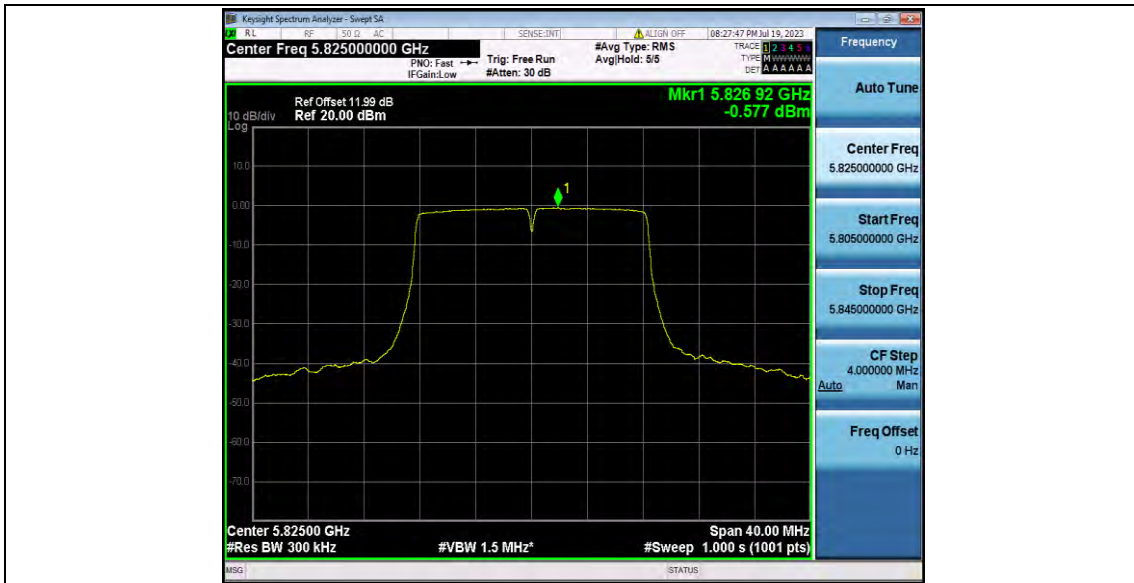


11A\_Ant1\_5745

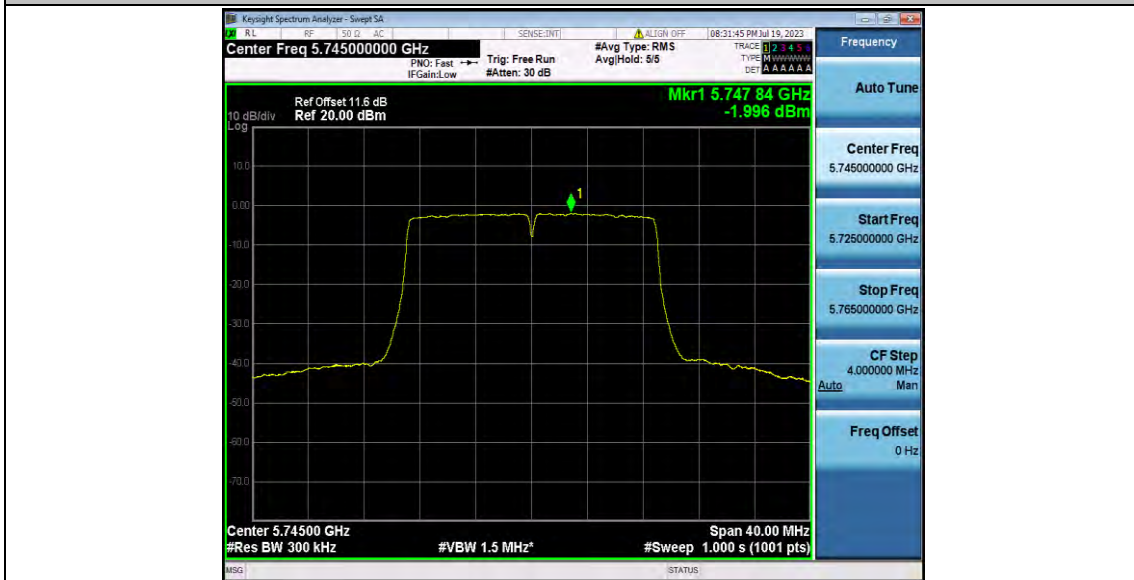


11A\_Ant1\_5785





11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5755



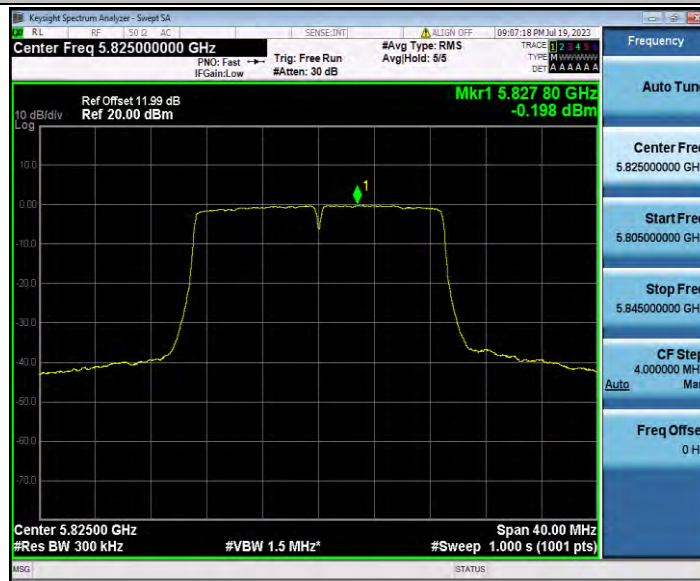
11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745



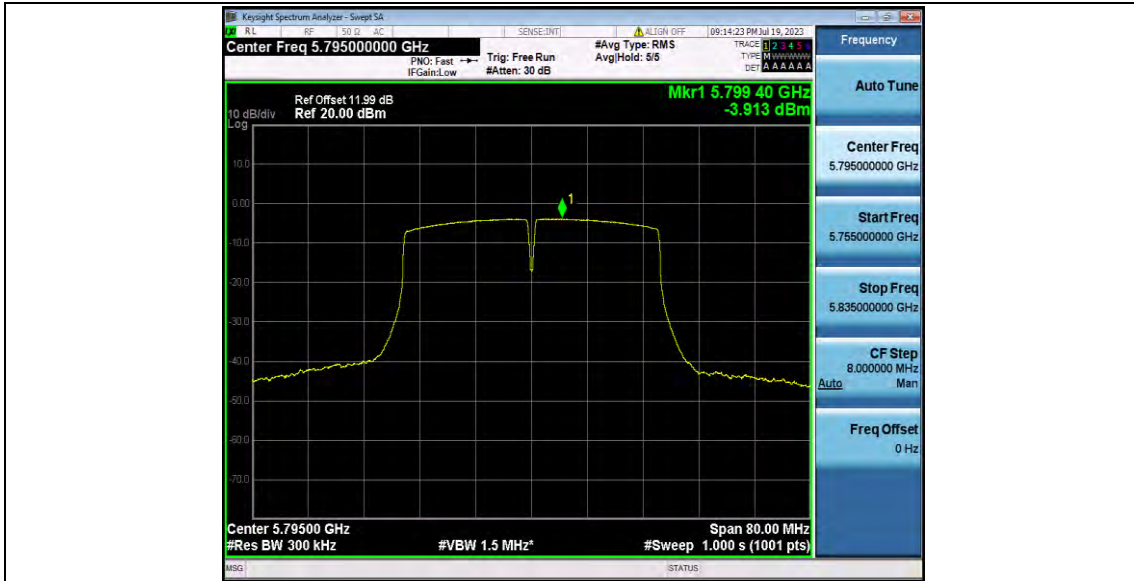
11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

## Appendix G.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	-39.02	≤-8.49	PASS
				5700~5720	-33.57	≤15.05	PASS
				5720~5725	-28.72	≤25.78	PASS
				5760~5650	-39.29	≤-27	PASS
		High	5825	5850~5855	-32.42	≤18.26	PASS
				5855~5875	-36.24	≤10.21	PASS
				5875~5925	-38.16	≤-21.26	PASS
				5925~5935	-39.01	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-39.17	≤-8.57	PASS
				5700~5720	-31.4	≤15.01	PASS
				5720~5725	-26.66	≤26.83	PASS
				5760~5650	-40.22	≤-27	PASS
		High	5825	5850~5855	-29.4	≤17.03	PASS
				5855~5875	-31.76	≤10.14	PASS
				5875~5925	-38.35	≤-21.06	PASS
				5925~5935	-38.3	≤-27	PASS
11N40SIS O	Ant1	Low	5755	5650~5700	-37.18	≤9.06	PASS
				5700~5720	-25.37	≤15.31	PASS
				5720~5725	-24.51	≤23.43	PASS
				5780~5650	-39.65	≤-27	PASS
		High	5795	5850~5855	-36.92	≤15.66	PASS
				5855~5875	-37.53	≤11.29	PASS
				5875~5925	-37.25	≤5.19	PASS
				5925~5935	-38.64	≤-27	PASS
11AC20SI SO	Ant1	Low	5745	5650~5700	-39.11	≤-15.47	PASS
				5700~5720	-30.45	≤14.89	PASS
				5720~5725	-26.58	≤24.47	PASS
				5760~5650	-40.36	≤-27	PASS
		High	5825	5850~5855	-28.81	≤18.56	PASS
				5855~5875	-32.67	≤10.14	PASS
				5875~5925	-37.55	≤-9.97	PASS
				5925~5935	-38.71	≤-27	PASS
11AC40SI SO	Ant1	Low	5755	5650~5700	-37.29	≤9.36	PASS
				5700~5720	-26.03	≤15.28	PASS
				5720~5725	-24.91	≤25.59	PASS
				5780~5650	-40.16	≤-27	PASS

		High	5795	5850~5855	-37.25	$\leq 18.29$	PASS
				5855~5875	-37.65	$\leq 12.67$	PASS
				5875~5925	-38.12	$\leq -26.19$	PASS
				5925~5935	-38.63	$\leq -27$	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-34.84	$\leq 9.90$	PASS
				5700~5720	-30.75	$\leq 15.04$	PASS
				5720~5725	-31.93	$\leq 25.89$	PASS
				5800~5650	-39.89	$\leq -27$	PASS
		High	5775	5850~5855	-34.22	$\leq 19.17$	PASS
				5855~5875	-35.1	$\leq 10.49$	PASS
				5875~5925	-37.62	$\leq -26.13$	PASS
				5925~5935	-38.79	$\leq -27$	PASS

### Test Graphs B4



11A\_Ant1\_Low\_5745



11A\_Ant1\_High\_5825





11N20SISO\_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



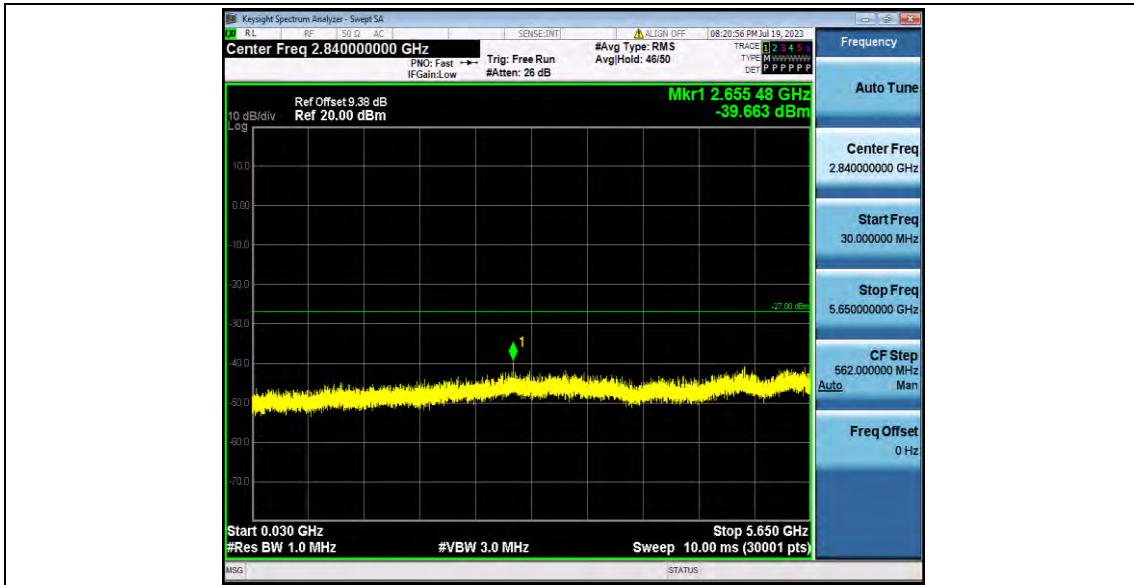
11AC80SISO\_Ant1\_High\_5775

## Appendix G.7: Conducted Spurious Emission

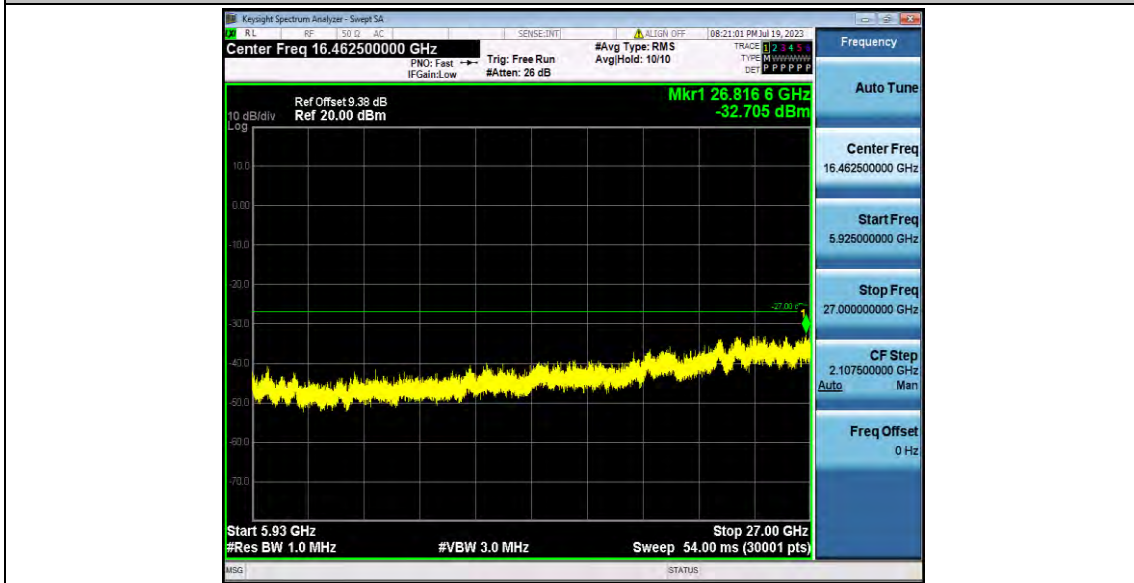
### Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	2655.48	-39.66	≤-27	PASS
			5925~40000	26816.65	-32.71	≤-27	PASS
		5785	30~5650	5451.61	-40.44	≤-27	PASS
			5925~40000	24857.38	-32.39	≤-27	PASS
		5825	30~5650	4911.53	-40.82	≤-27	PASS
			5925~40000	26124.69	-31.88	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5429.7	-39.16	≤-27	PASS
			5925~40000	24221.61	-32.37	≤-27	PASS
		5785	30~5650	4927.83	-40.37	≤-27	PASS
			5925~40000	26709.87	-31.65	≤-27	PASS
		5825	30~5650	5481.59	-40.1	≤-27	PASS
			5925~40000	24260.25	-32.01	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	4917.9	-41.33	≤-27	PASS
			5925~40000	26659.29	-32.03	≤-27	PASS
		5795	30~5650	5024.68	-40.6	≤-27	PASS
			5925~40000	26983.14	-32.32	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4834.54	-41.2	≤-27	PASS
			5925~40000	24801.18	-32.53	≤-27	PASS
		5785	30~5650	5464.17	-39.82	≤-27	PASS
			5925~40000	24763.94	-32.03	≤-27	PASS
		5825	30~5650	5416.02	-40.8	≤-27	PASS
			5925~40000	26486.47	-31.02	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5540.22	-40.03	≤-27	PASS
			5925~40000	24299.59	-32.49	≤-27	PASS
		5795	30~5650	5395.23	-39.86	≤-27	PASS
			5925~40000	25998.94	-32.37	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5553.9	-41.05	≤-27	PASS
			5925~40000	24244.8	-32.03	≤-27	PASS

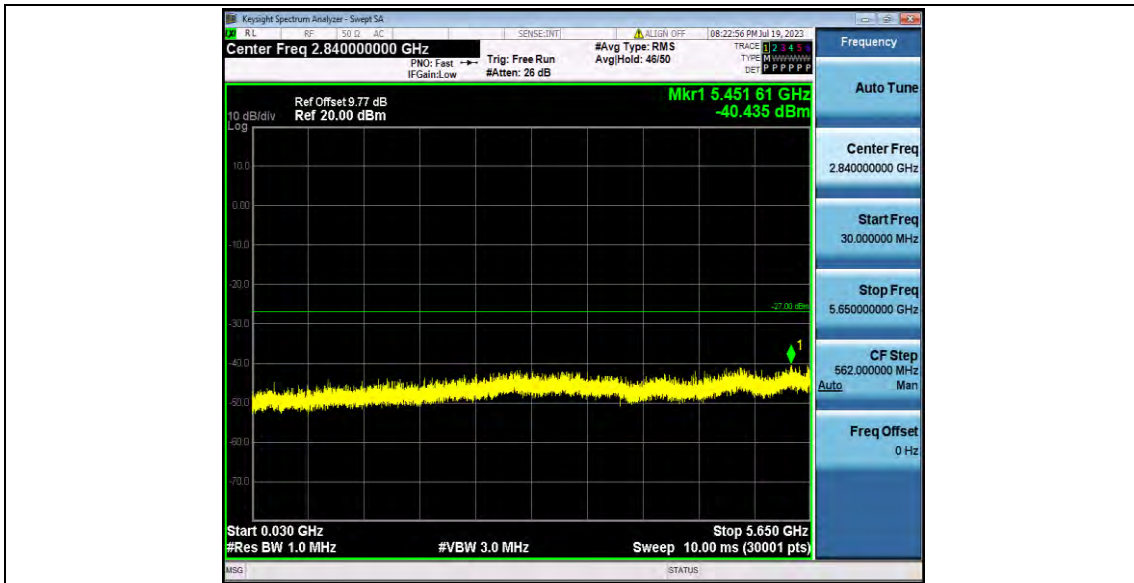
## Test Graphs



11A\_Ant1\_5745\_30~5650



11A\_Ant1\_5745\_5925~40000



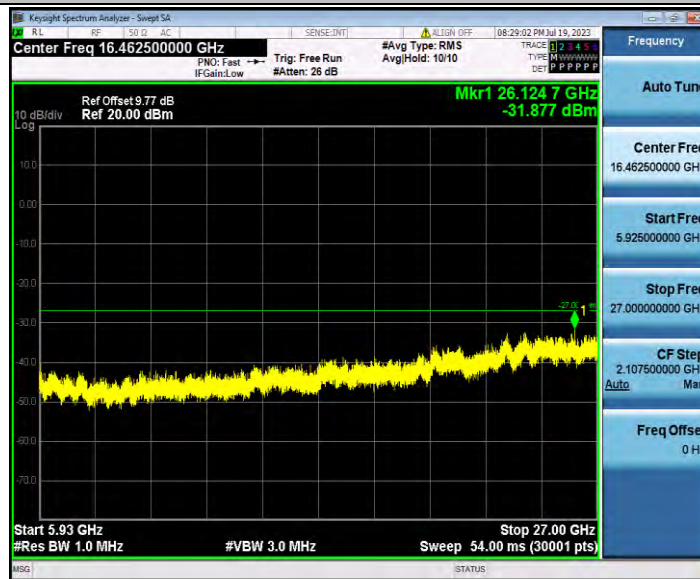
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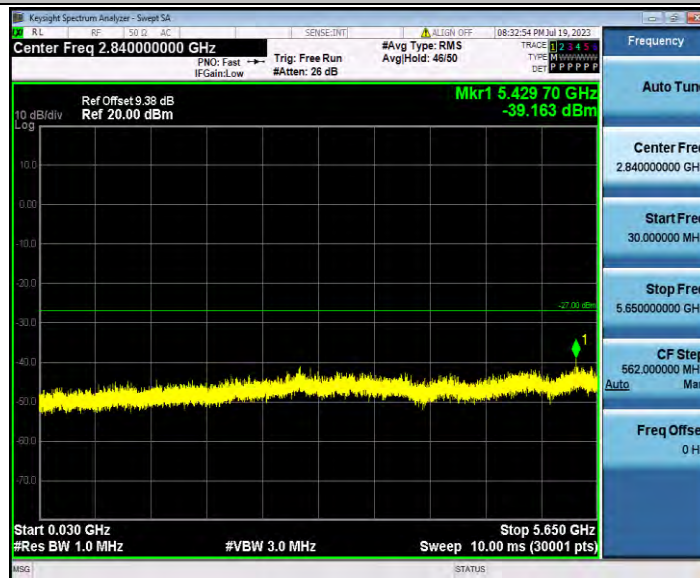
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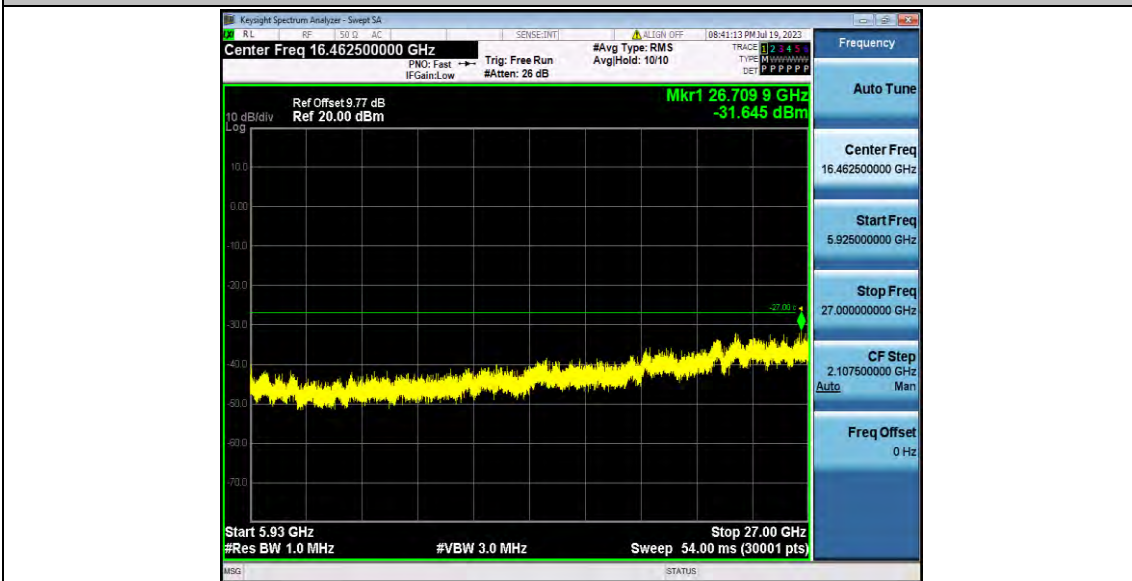




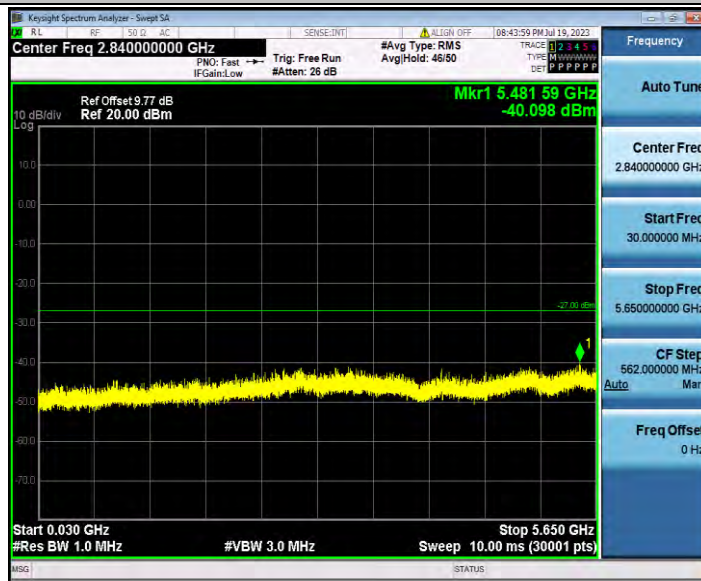
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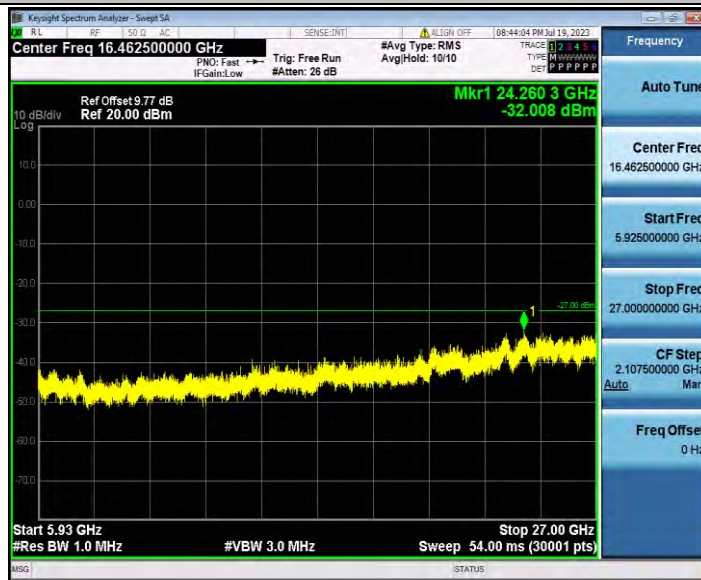
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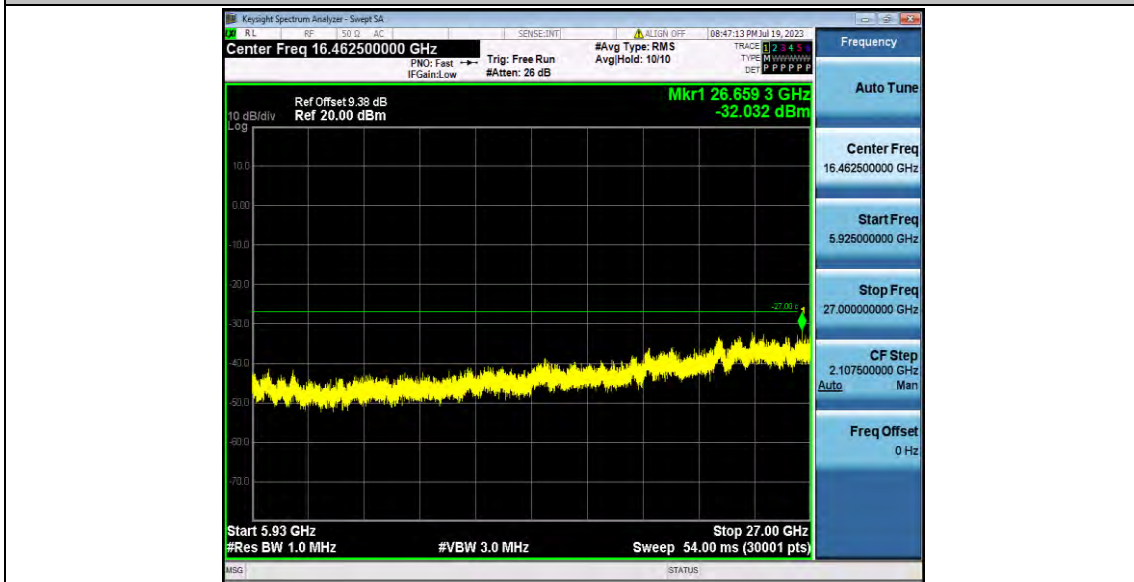
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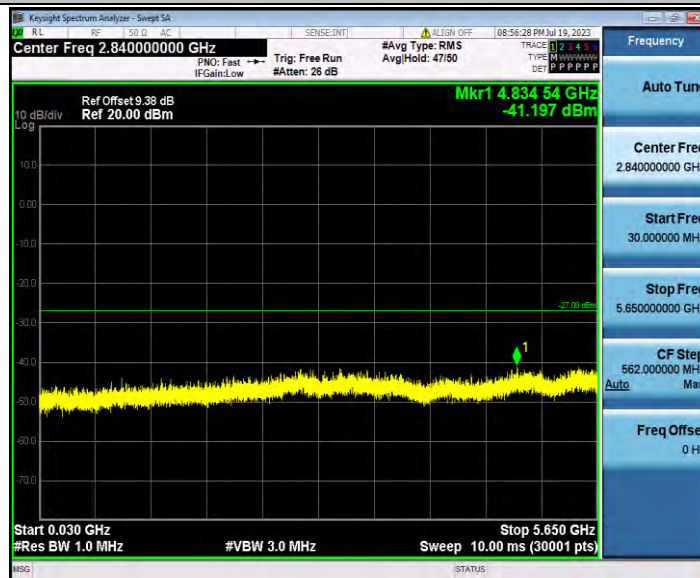
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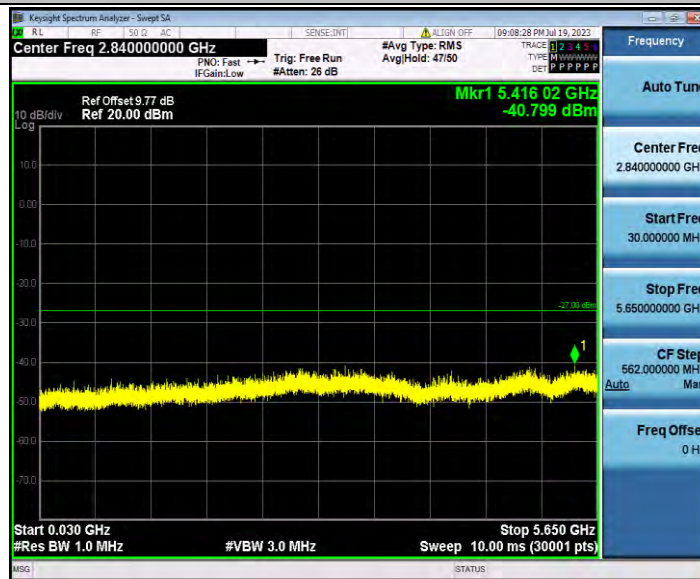
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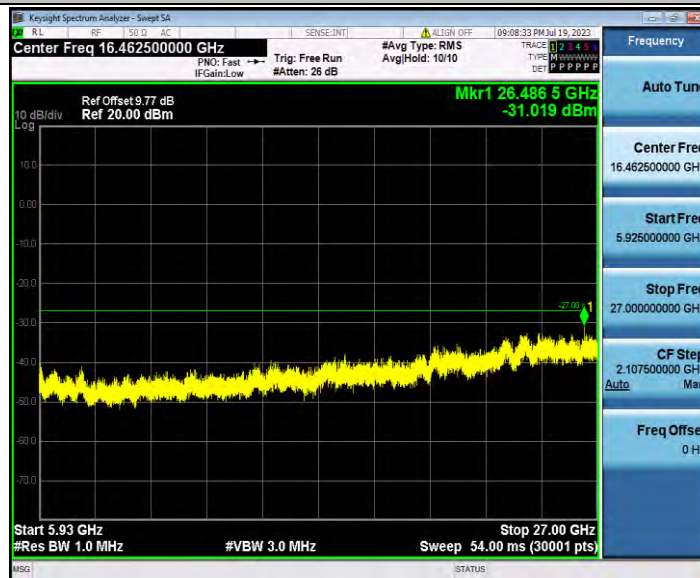
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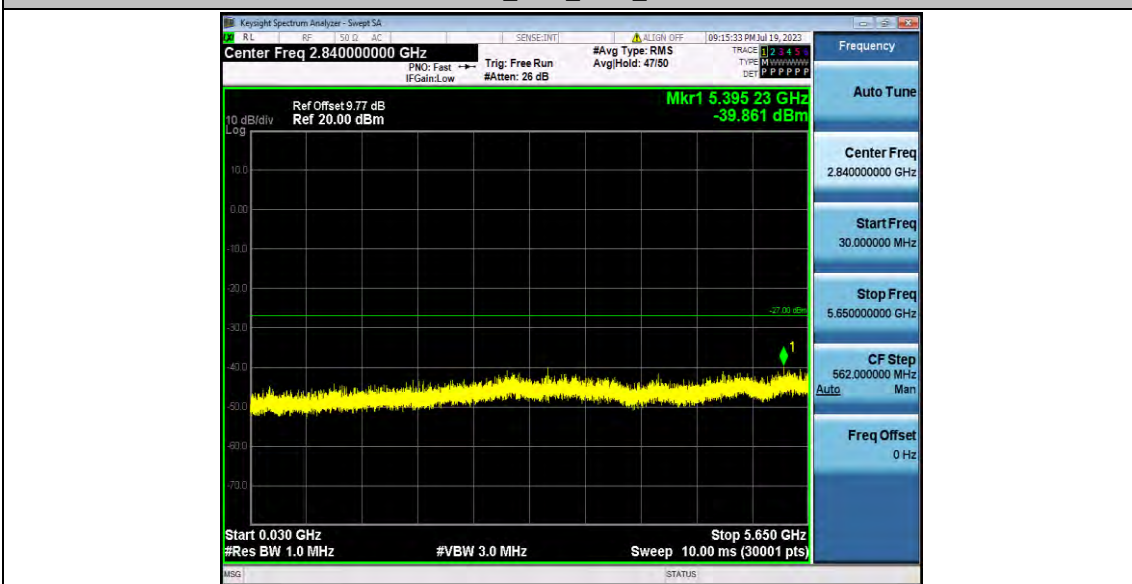
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11AC40SISO\_Ant1\_5795\_5925~40000



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