

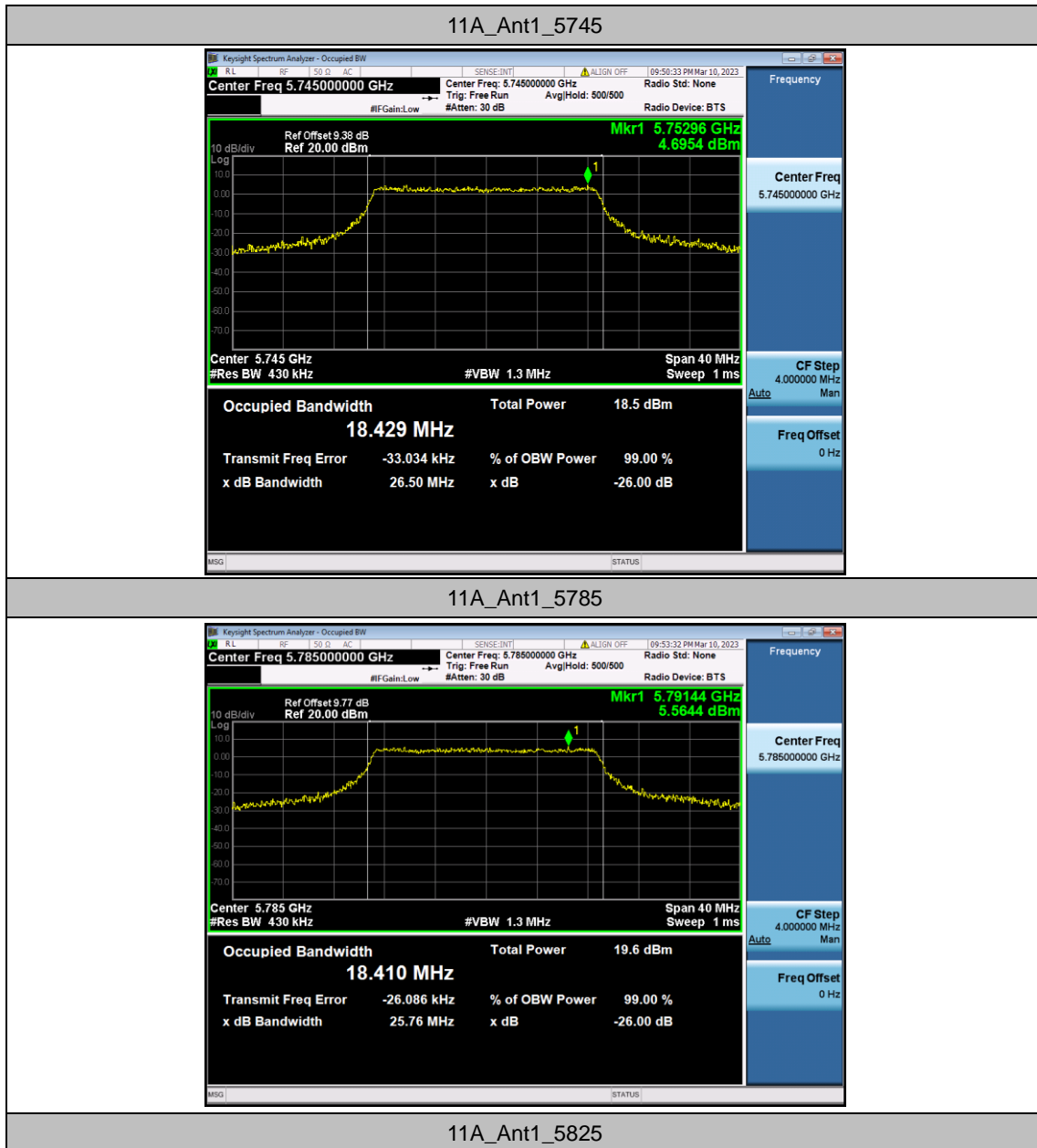
<b>Case No. :</b> <u>GTS20230203009-1-33</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>52</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.3.10</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix E.1: Occupied channel bandwidth

### Test Result

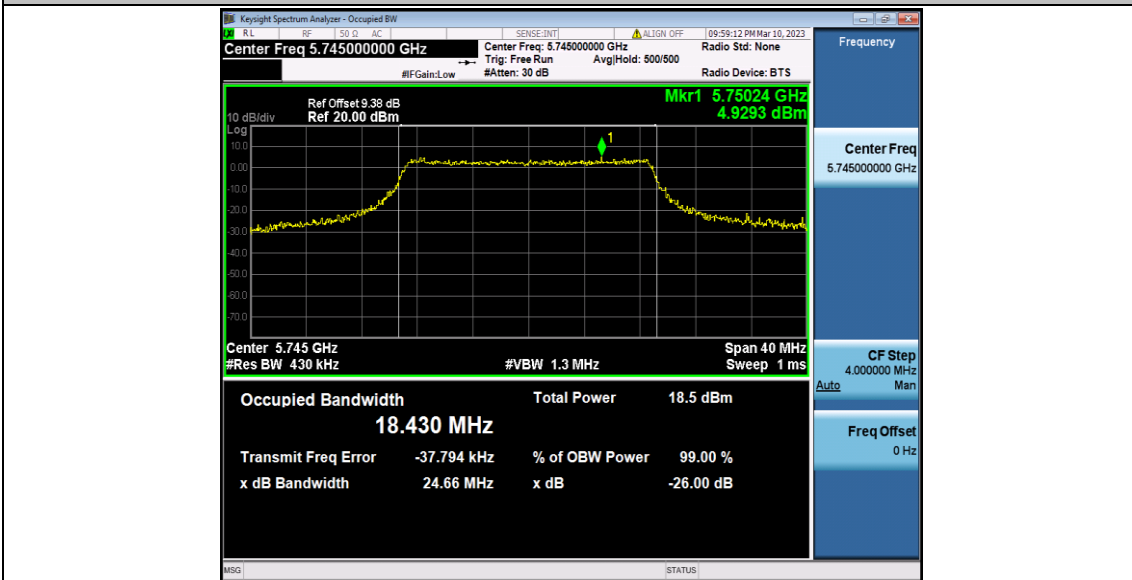
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.429	5735.752	5754.181	---	---
		5785	18.410	5775.769	5794.179	---	---
		5825	18.415	5815.729	5834.144	---	---
11N20SISO	Ant1	5745	18.430	5735.747	5754.177	---	---
		5785	18.416	5775.758	5794.174	---	---
		5825	18.493	5815.684	5834.177	---	---

## Test Graphs

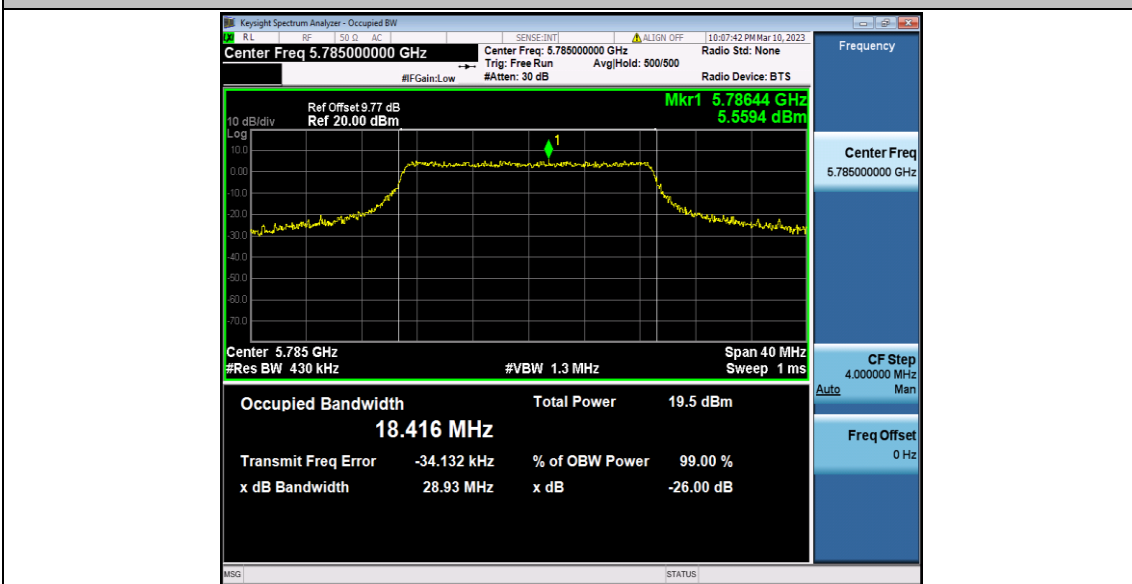




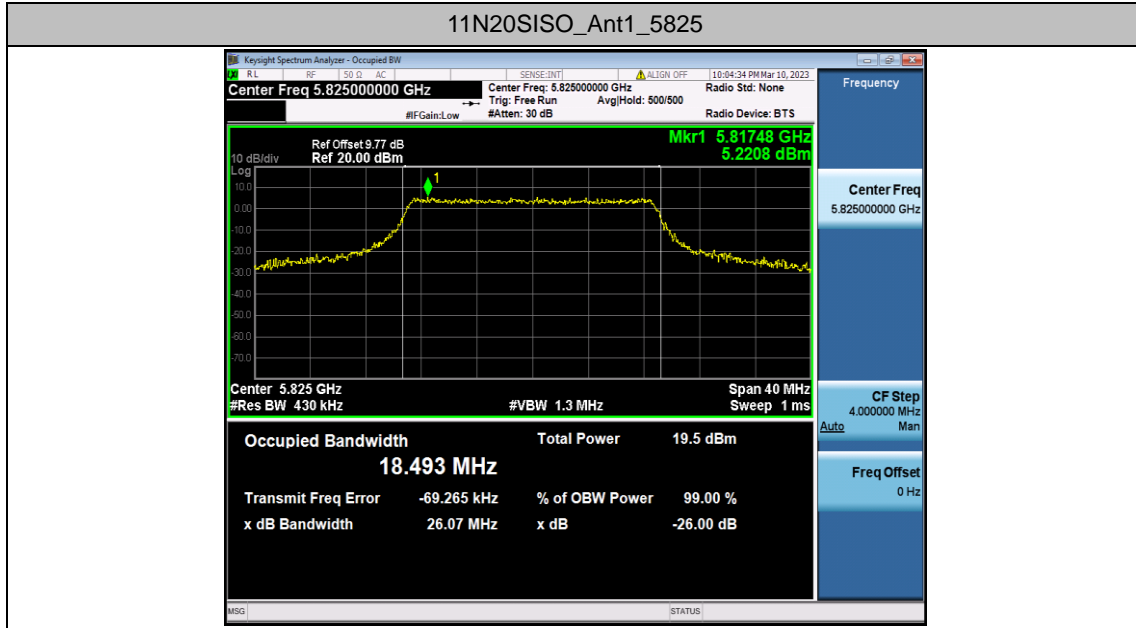
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825

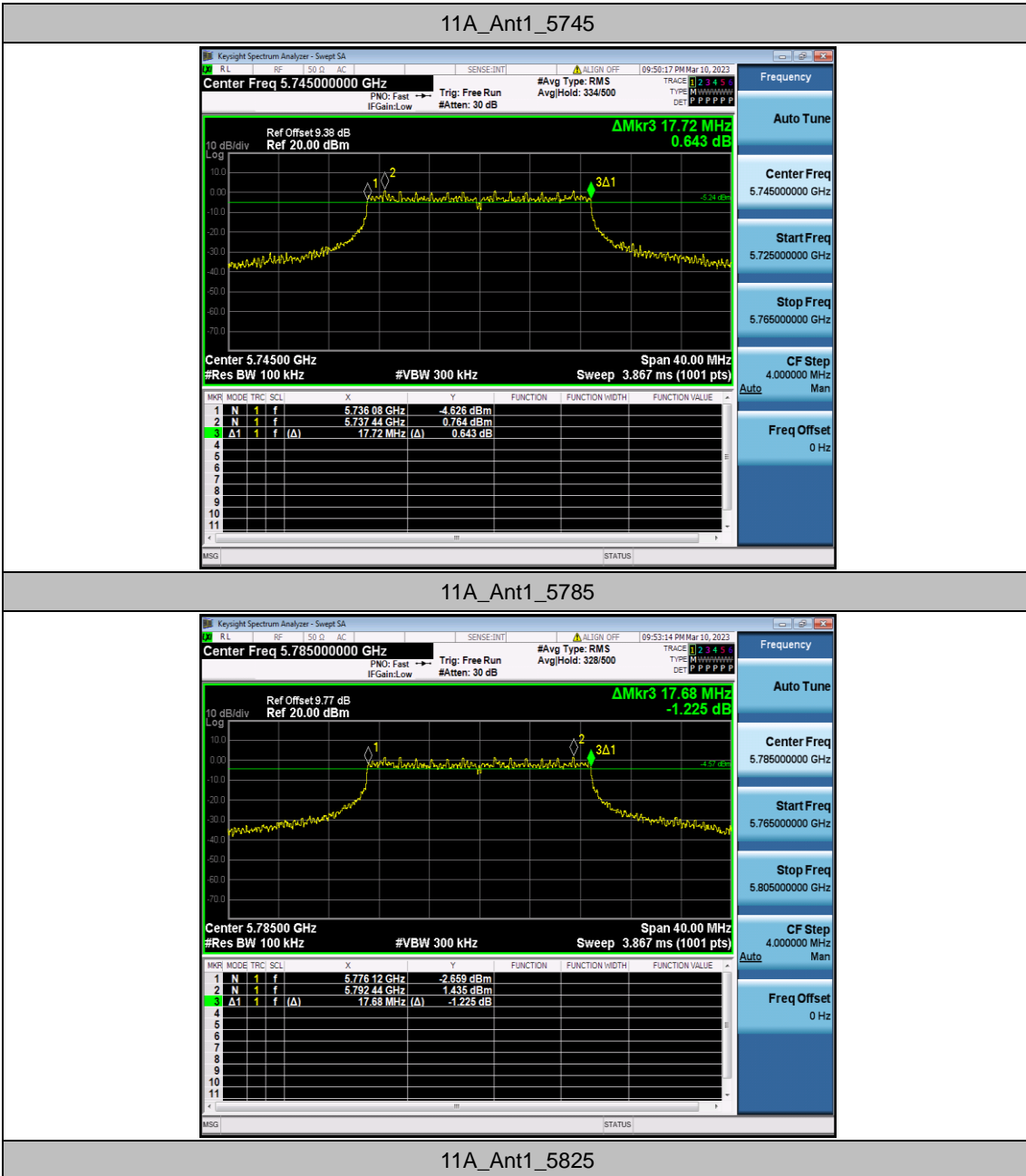


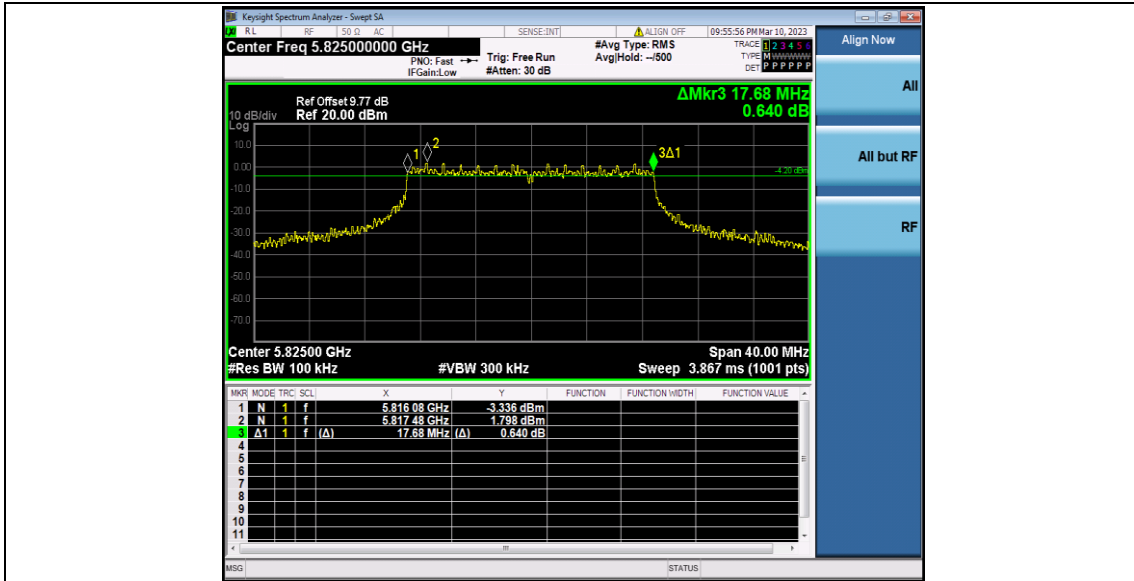
## Appendix E.2: Min emission bandwidth

### Test Result B4

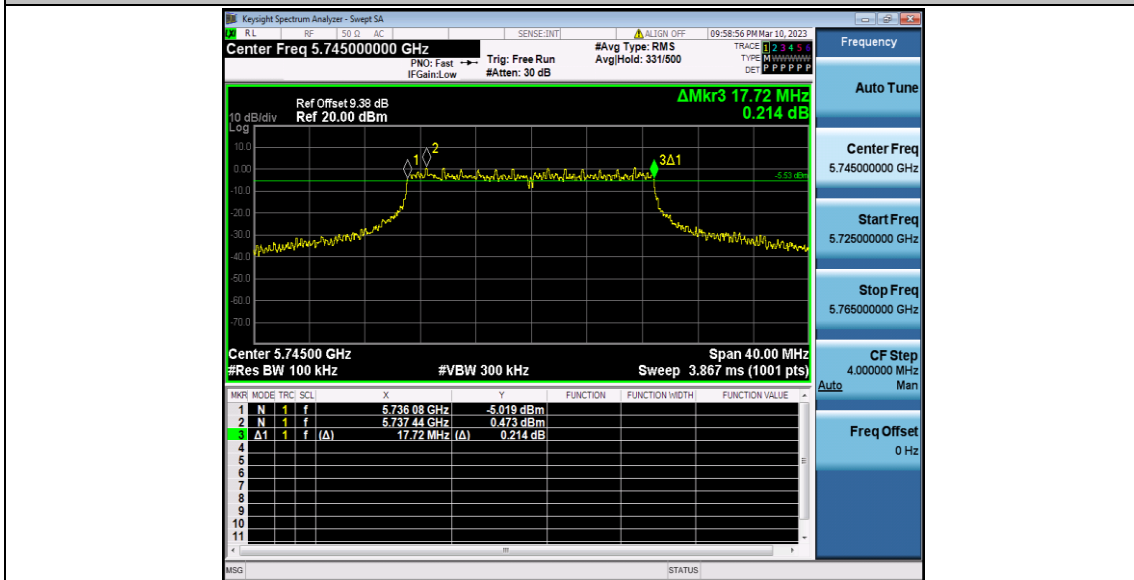
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.720	5736.080	5753.800	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.680	5816.080	5833.760	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.080	5753.800	0.5	PASS
		5785	17.720	5776.080	5793.800	0.5	PASS
		5825	17.720	5816.080	5833.800	0.5	PASS

### Test Graphs B4

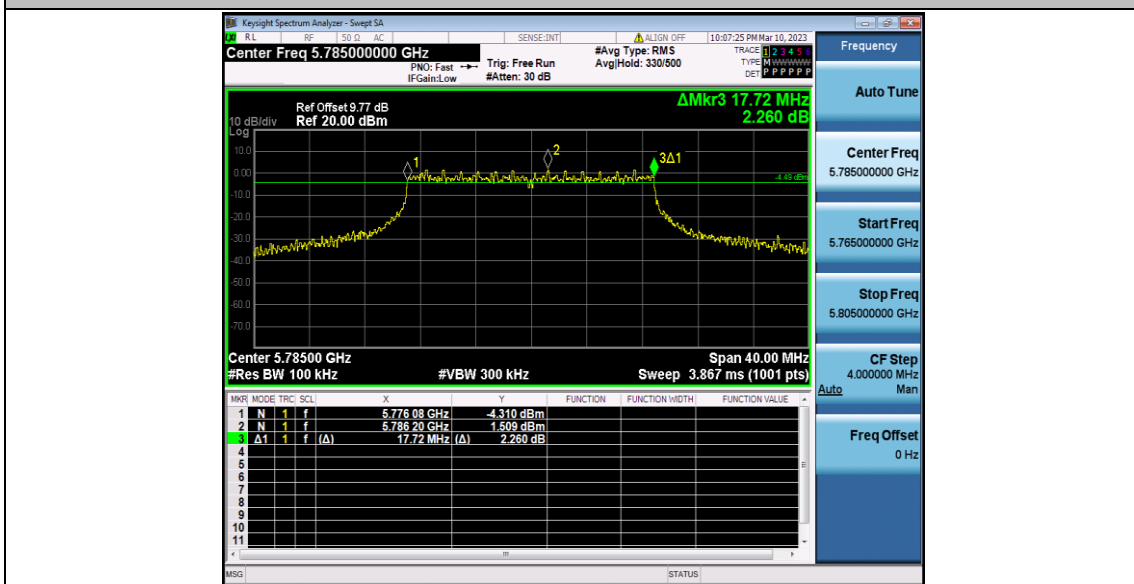




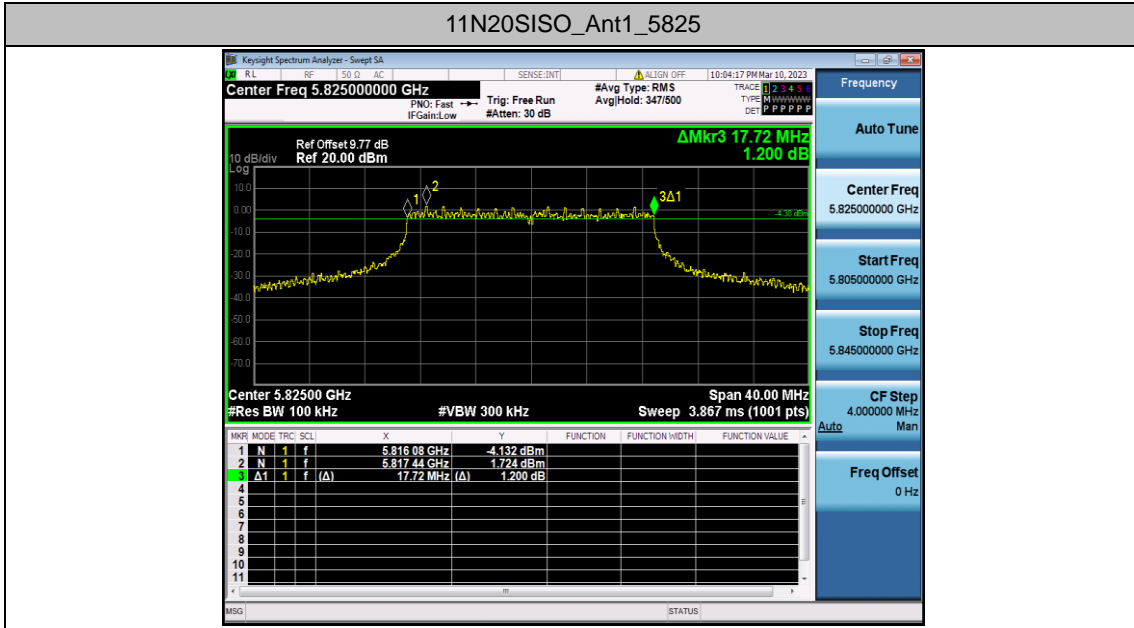
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



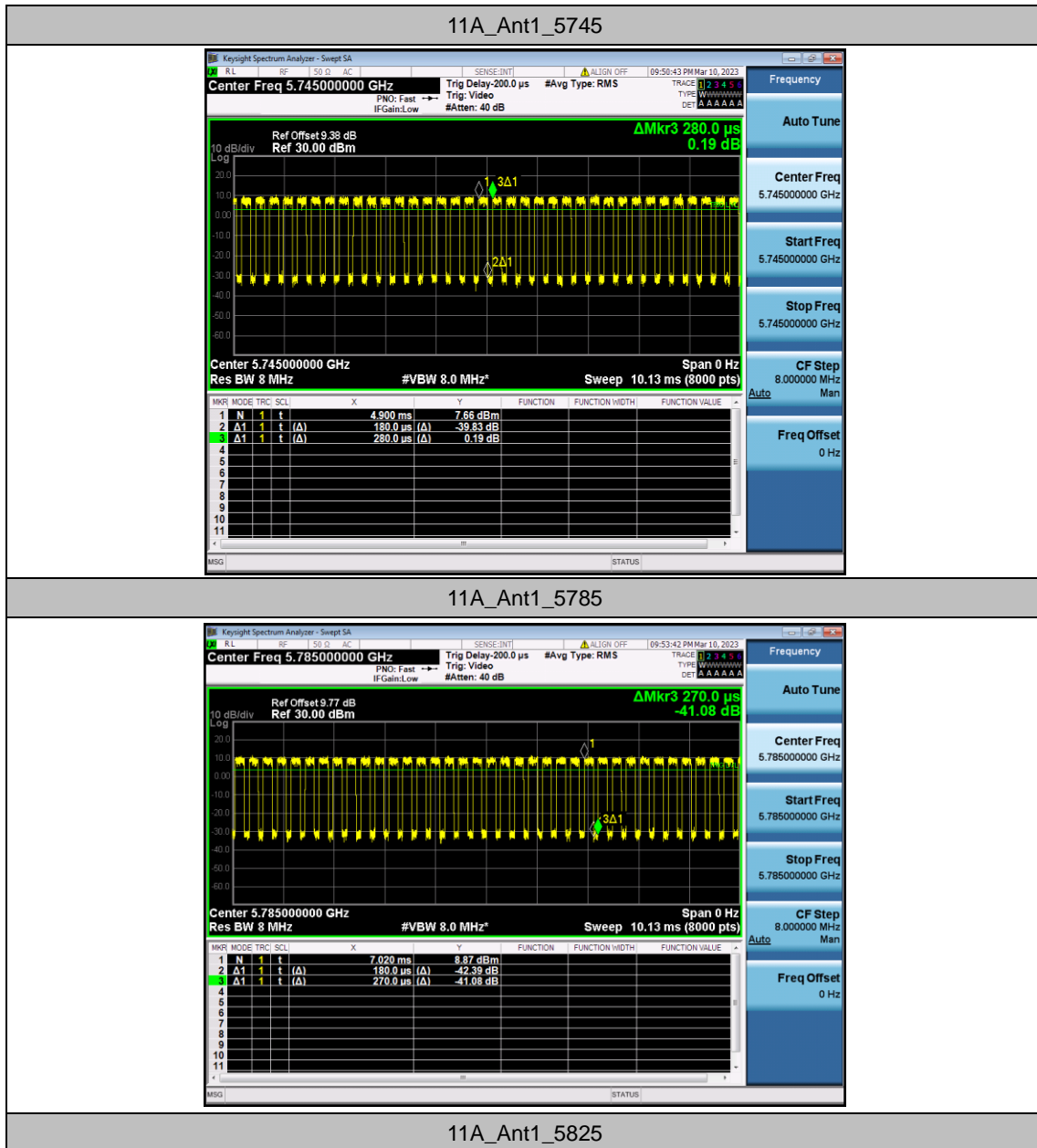


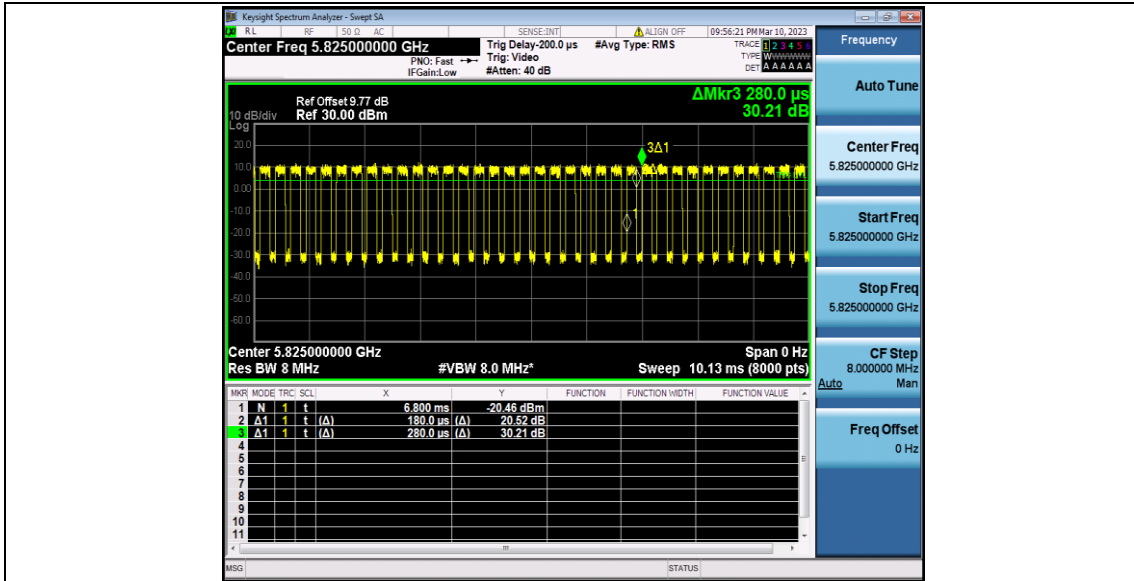
## Appendix E.3: Duty Cycle

### Test Result

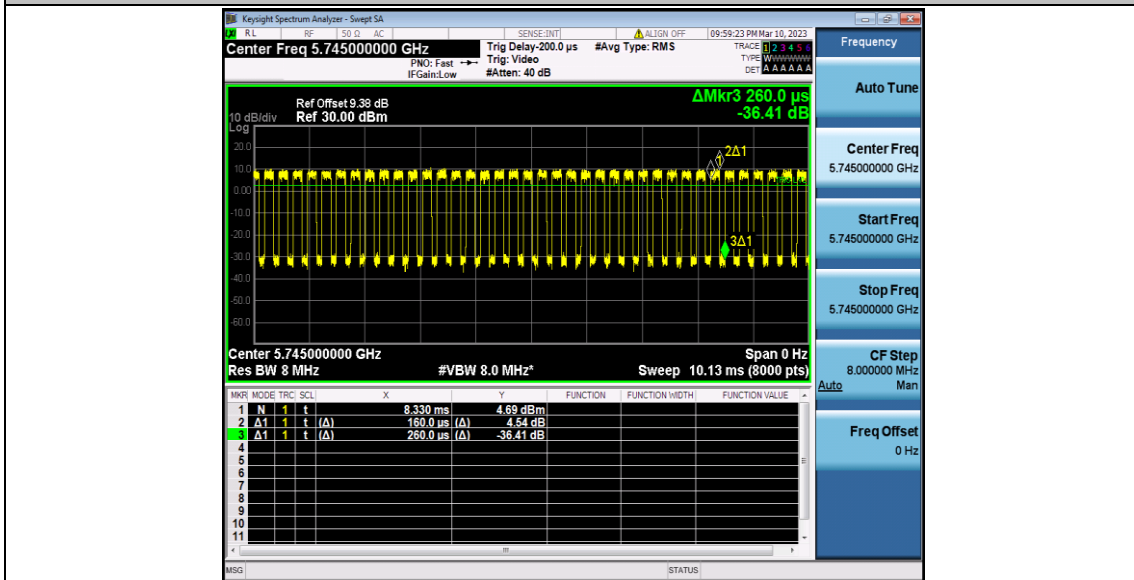
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.18	0.28	64.29
		5785	0.18	0.27	66.67
		5825	0.18	0.28	64.29
11N20SISO	Ant1	5745	0.16	0.26	61.54
		5785	0.16	0.26	61.54
		5825	0.17	0.27	62.96

## Test Graphs

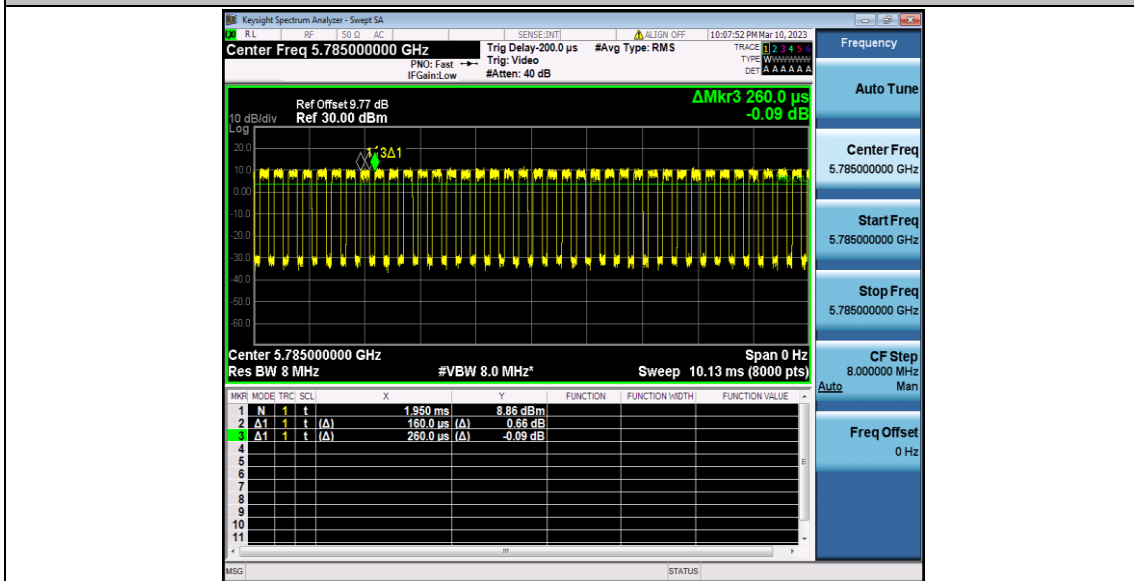




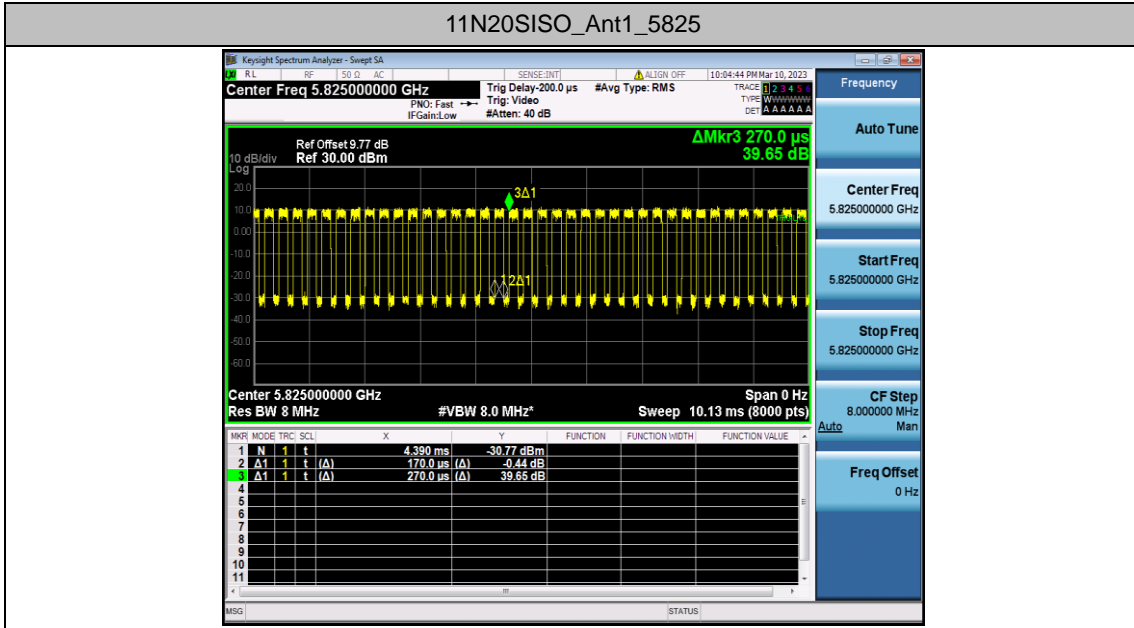
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



## Appendix E.4: Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	9.59	64.29	1.92	11.51	≤30.00	PASS
		5785	10.56	66.67	1.76	12.32	≤30.00	PASS
		5825	10.65	64.29	1.92	12.57	≤30.00	PASS
11N20SISO	Ant1	5745	9.33	61.54	2.11	11.44	≤30.00	PASS
		5785	10.29	61.54	2.11	12.40	≤30.00	PASS
		5825	10.49	62.96	2.01	12.50	≤30.00	PASS

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

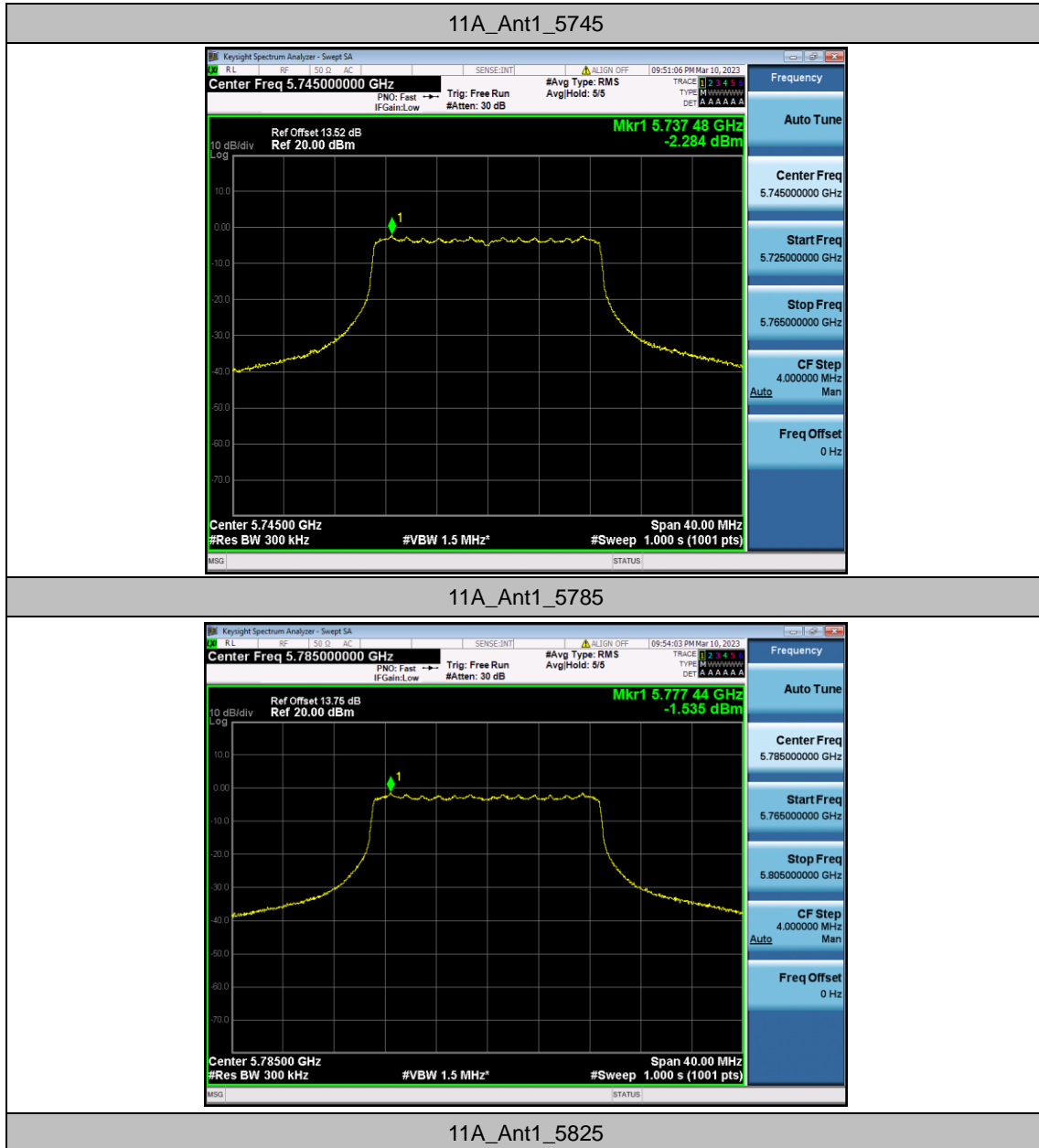
## Appendix E.5: Maximum power spectral density

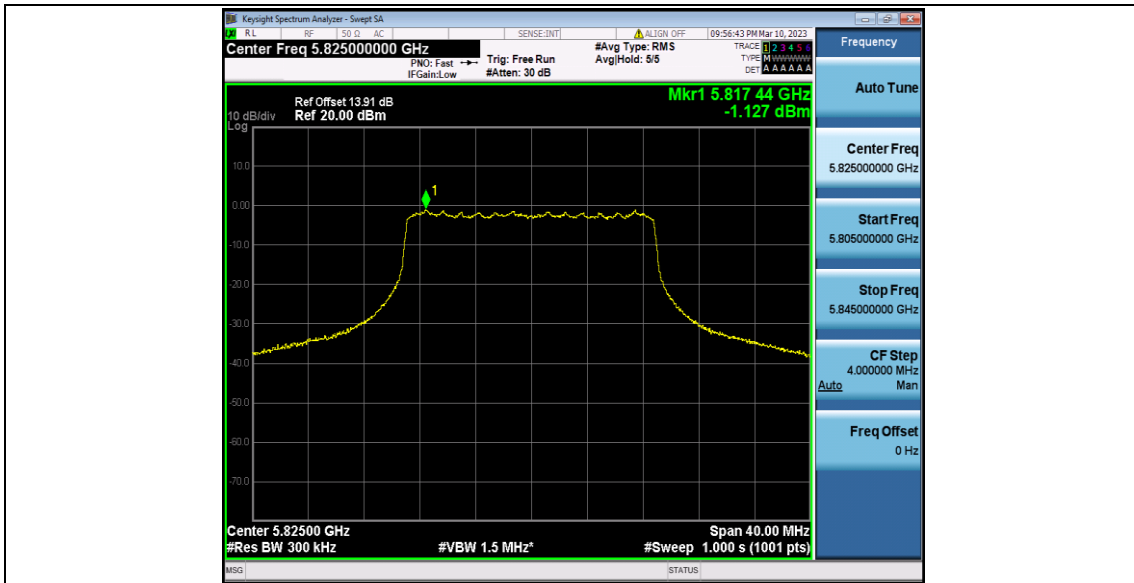
### Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.28	≤30.00	PASS
		5785	-1.54	≤30.00	PASS
		5825	-1.13	≤30.00	PASS
11N20SISO	Ant1	5745	-2.08	≤30.00	PASS
		5785	-1.11	≤30.00	PASS
		5825	-1.1	≤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

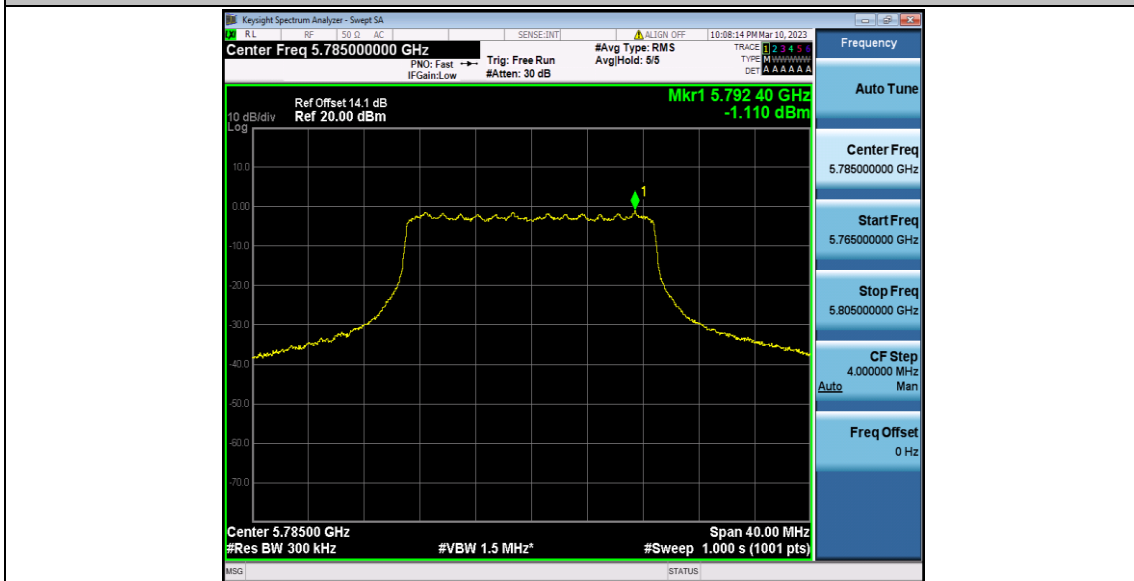




11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785





11N20SISO\_Ant1\_5825



## 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	-38.12	≤9.47	PASS
				5700~5720	-30.57	≤15.40	PASS
				5720~5725	-22.14	≤24.99	PASS
				5760~5650	-39.77	≤-27	PASS
		High	5825	5850~5855	-29.35	≤17.03	PASS
				5855~5875	-32.63	≤10.85	PASS
				5875~5925	-37.86	≤-10.37	PASS
				5925~5935	-38.33	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.52	≤5.04	PASS
				5700~5720	-30.01	≤15.56	PASS
				5720~5725	-22.17	≤24.47	PASS
				5760~5650	-39.79	≤-27	PASS
		High	5825	5850~5855	-29.34	≤15.79	PASS
				5855~5875	-32.33	≤10.59	PASS
				5875~5925	-38.38	≤-17.96	PASS
				5925~5935	-39.33	≤-27	PASS

### Test Graphs B4





11N20SISO\_Ant1\_High\_5825



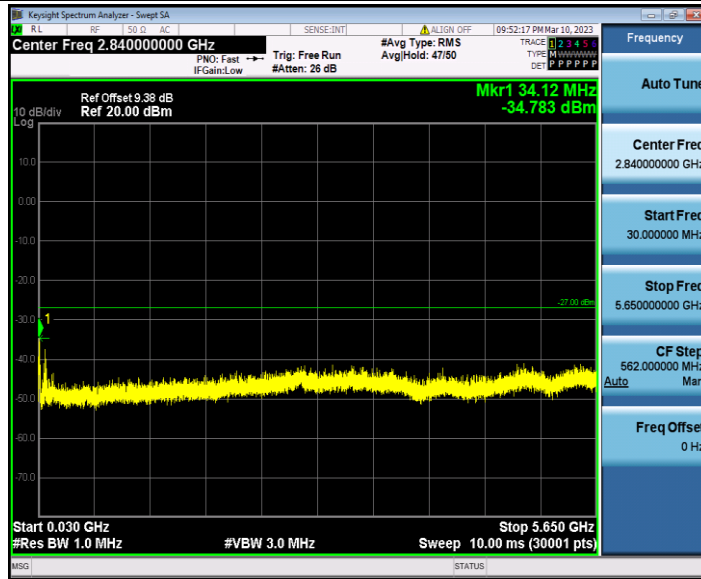
## Appendix E.7: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	34.12	-34.78	≤-27	PASS
			5925~40000	24226.53	-33.23	≤-27	PASS
		5785	30~5650	2324.46	-32.67	≤-27	PASS
			5925~40000	26719	-31.88	≤-27	PASS
		5825	30~5650	33.93	-36.12	≤-27	PASS
			5925~40000	26501.93	-32.38	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	42.74	-35.58	≤-27	PASS
			5925~40000	24230.75	-32.43	≤-27	PASS
		5785	30~5650	42.18	-34.9	≤-27	PASS
			5925~40000	26695.82	-31.44	≤-27	PASS
		5825	30~5650	42.55	-34.94	≤-27	PASS
			5925~40000	24244.8	-32.41	≤-27	PASS

## Test Graphs

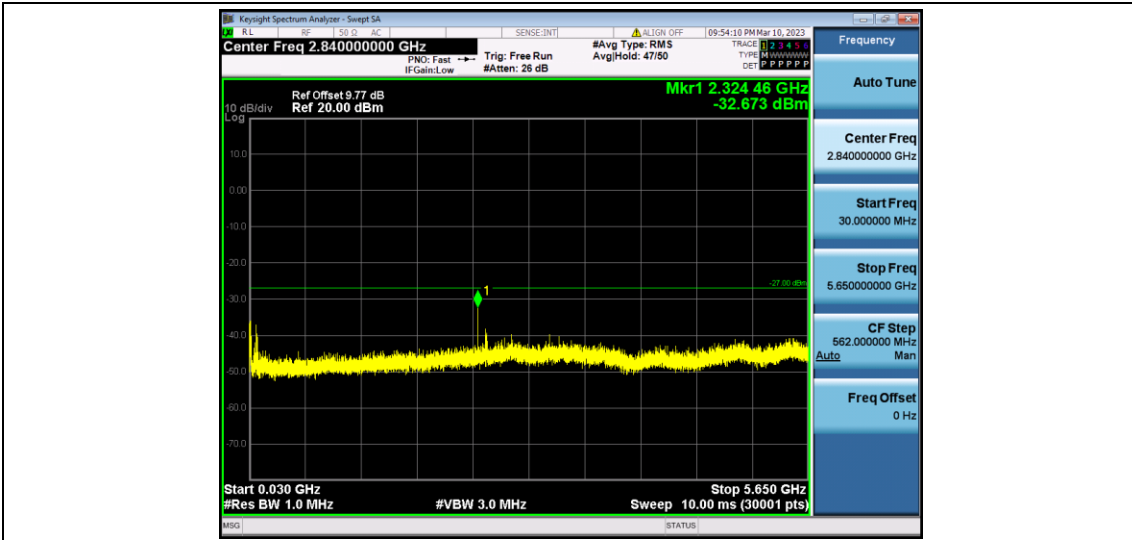
11A\_Ant1\_5745\_30~5650



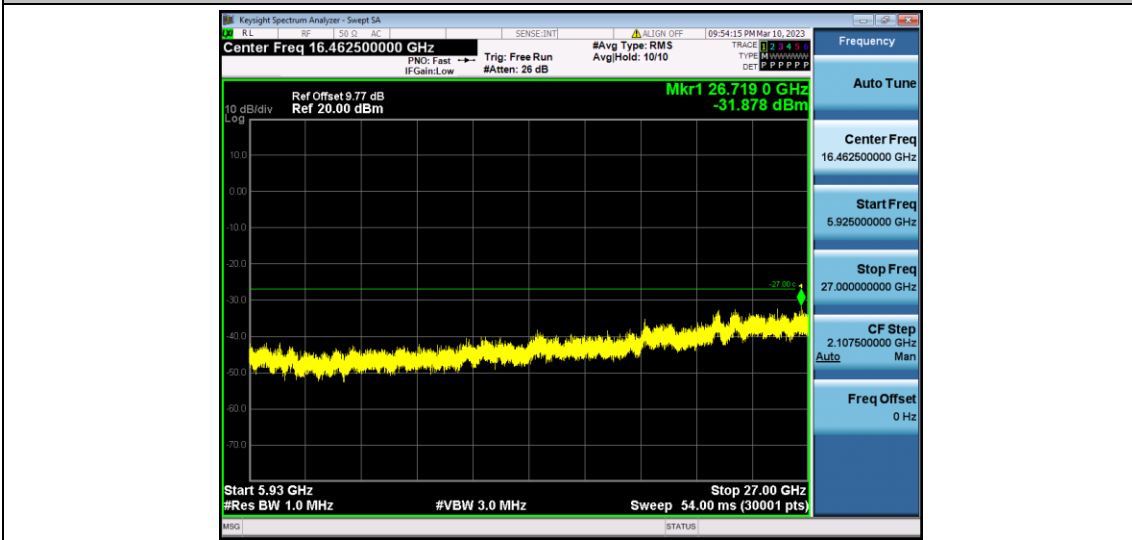
11A\_Ant1\_5745\_5925~40000



11A\_Ant1\_5785\_30~5650



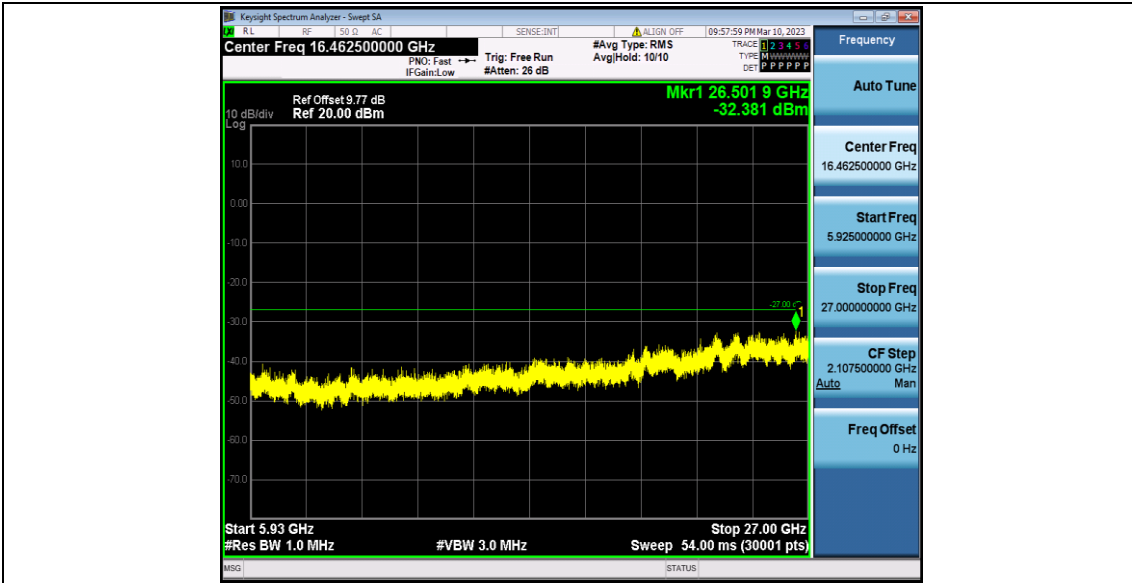
11A\_Ant1\_5785\_5925~40000



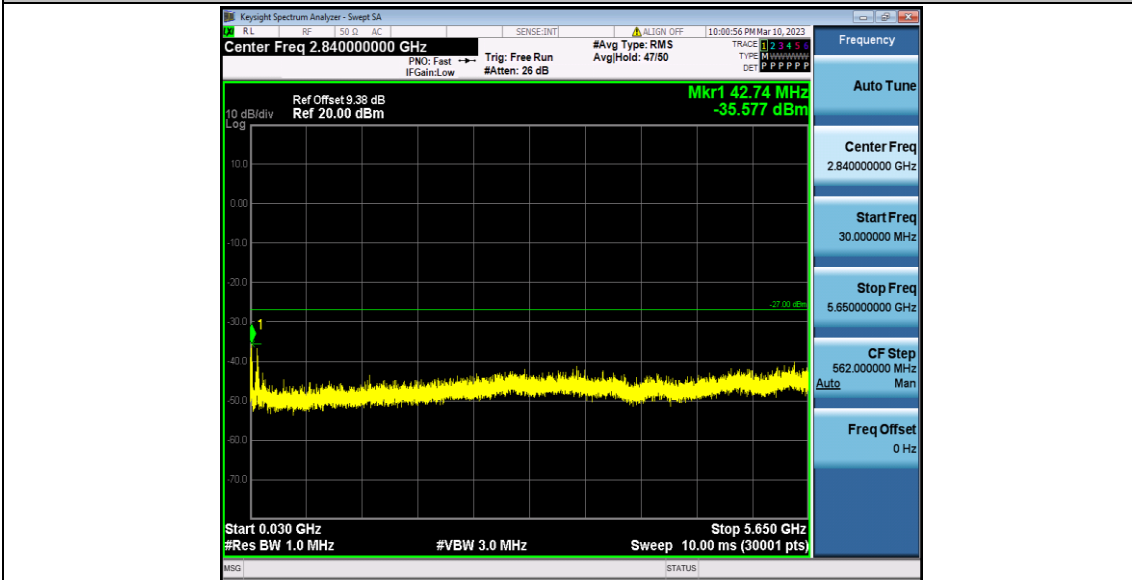
11A\_Ant1\_5825\_30~5650



11A\_Ant1\_5825\_5925~40000



11N20SISO\_Ant1\_5745\_30~5650

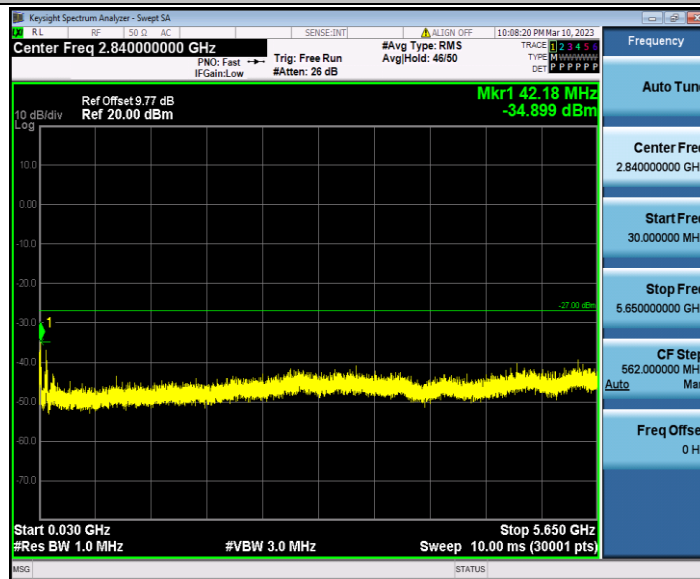


11N20SISO\_Ant1\_5745\_5925~40000

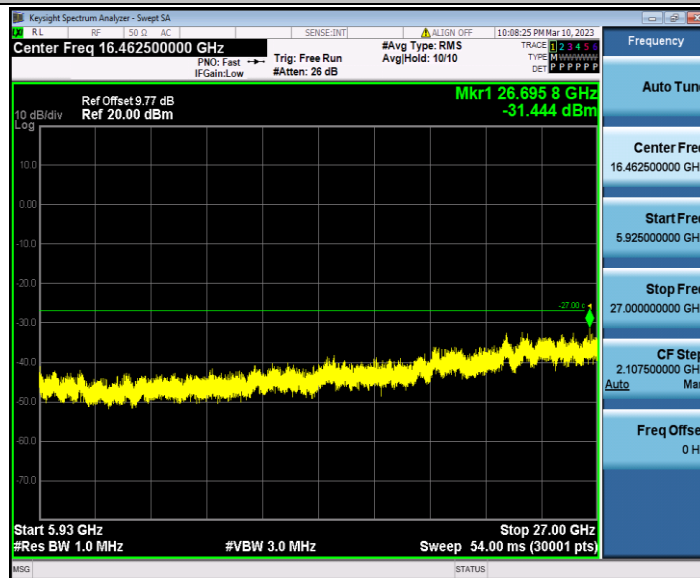




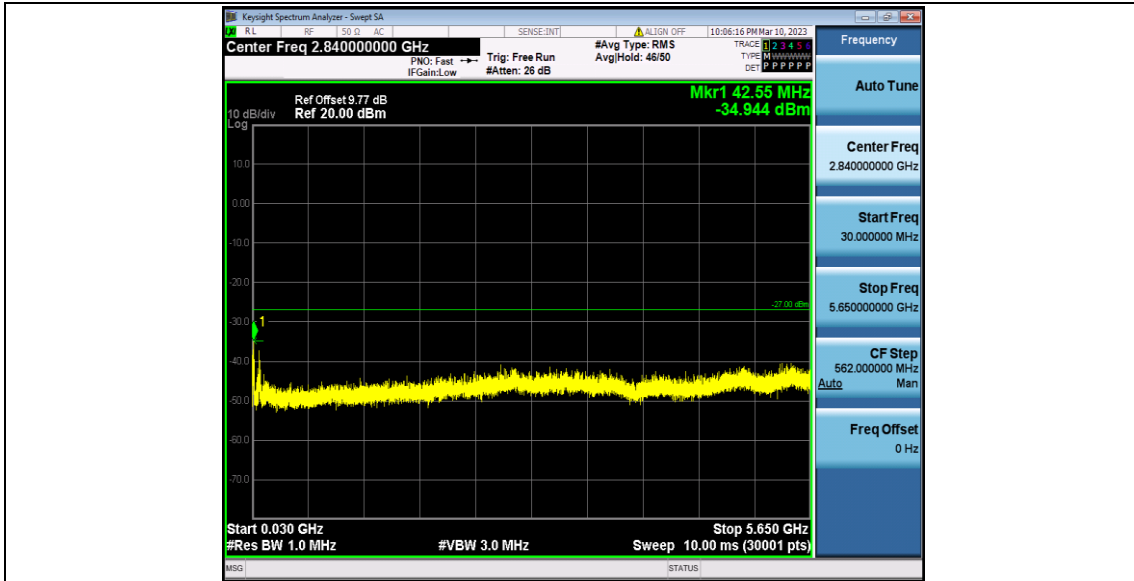
11N20SISO\_Ant1\_5785\_30~5650



11N20SISO\_Ant1\_5785\_5925~40000



11N20SISO\_Ant1\_5825\_30~5650



11N20SISO\_Ant1\_5825\_5925-40000

