

Case No. : <u>GTS20230629015-1-13</u>
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.21</u> Test Engineer: <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	Ant2	5745	16.794	5736.597	5753.391	---	---
		5785	16.566	5776.732	5793.298	---	---
		5825	16.521	5816.757	5833.278	---	---
11N20SISO	Ant2	5745	17.766	5736.144	5753.910	---	---
		5785	17.665	5776.198	5793.863	---	---
		5825	17.622	5816.220	5833.842	---	---
11N40SISO	Ant2	5755	36.874	5736.596	5773.470	---	---
		5795	36.478	5776.813	5813.291	---	---
11AC20SISO	Ant2	5745	18.084	5736.010	5754.094	---	---
		5785	17.779	5776.159	5793.938	---	---
		5825	17.668	5816.204	5833.872	---	---
11AC40SISO	Ant2	5755	36.805	5736.659	5773.464	---	---
		5795	36.508	5776.774	5813.282	---	---
11AC80SISO	Ant2	5775	75.092	5737.350	5812.442	---	---

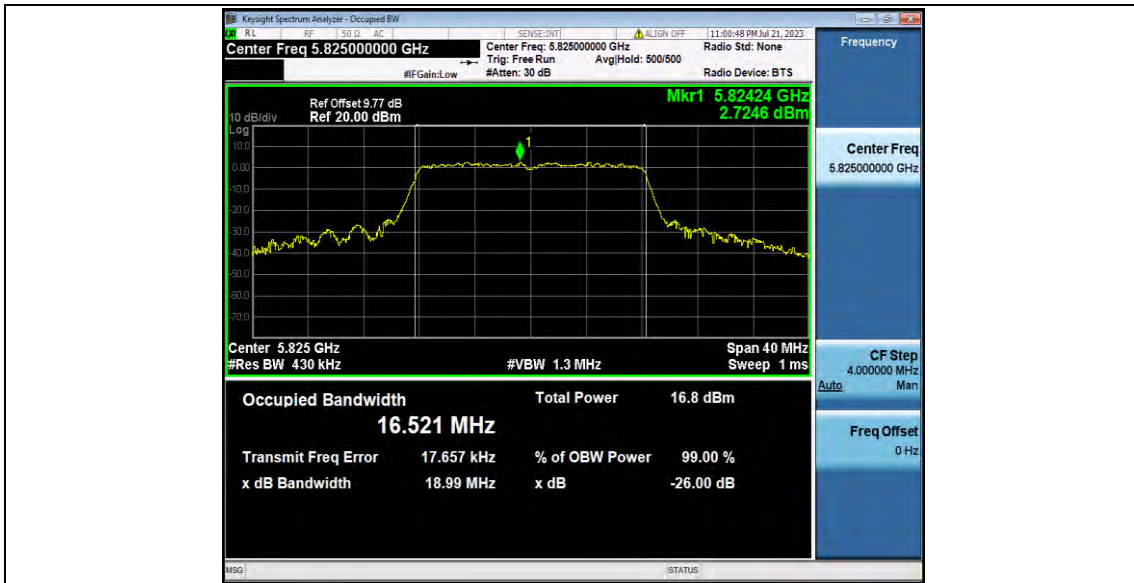
Test Graphs



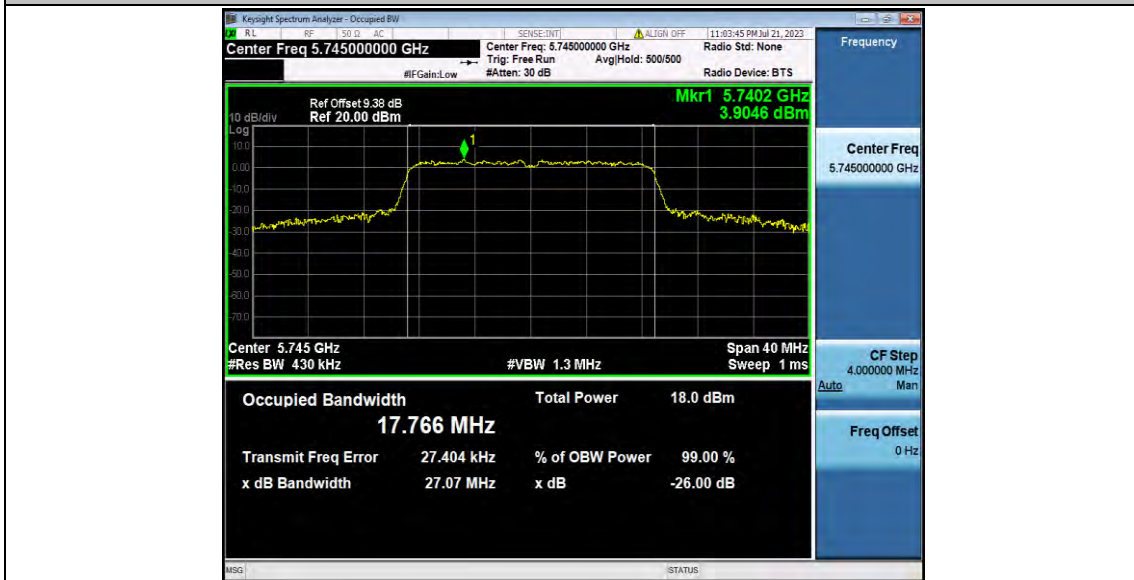
11A_Ant2_5745



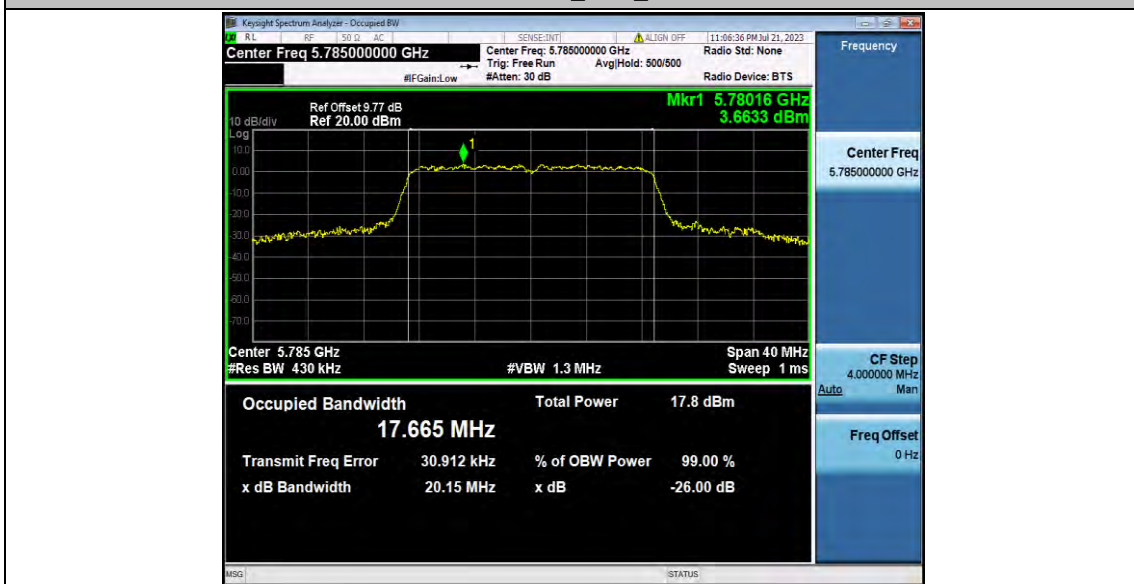
11A_Ant2_5785



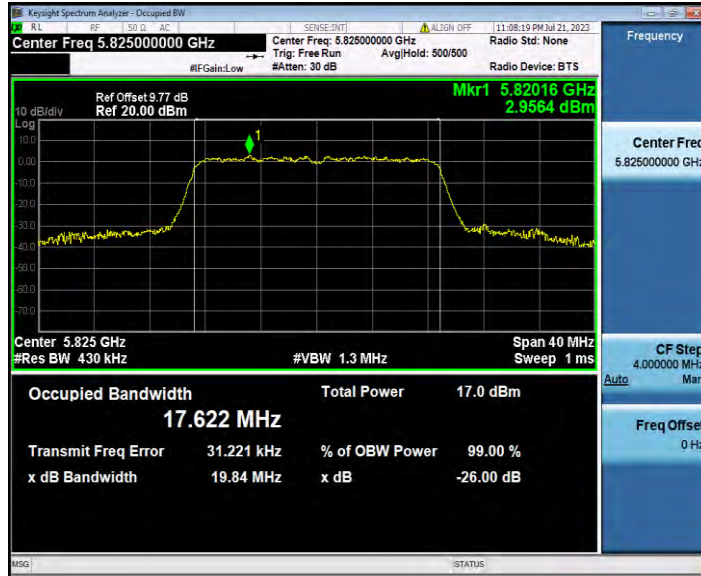
11A_Ant2_5825



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



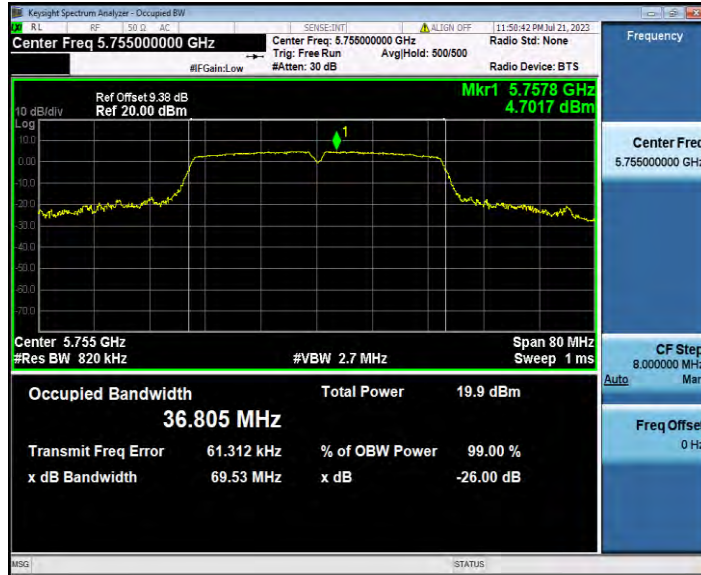
11A20SISO_Ant2_5745



11AC20SISO_Ant2_5785



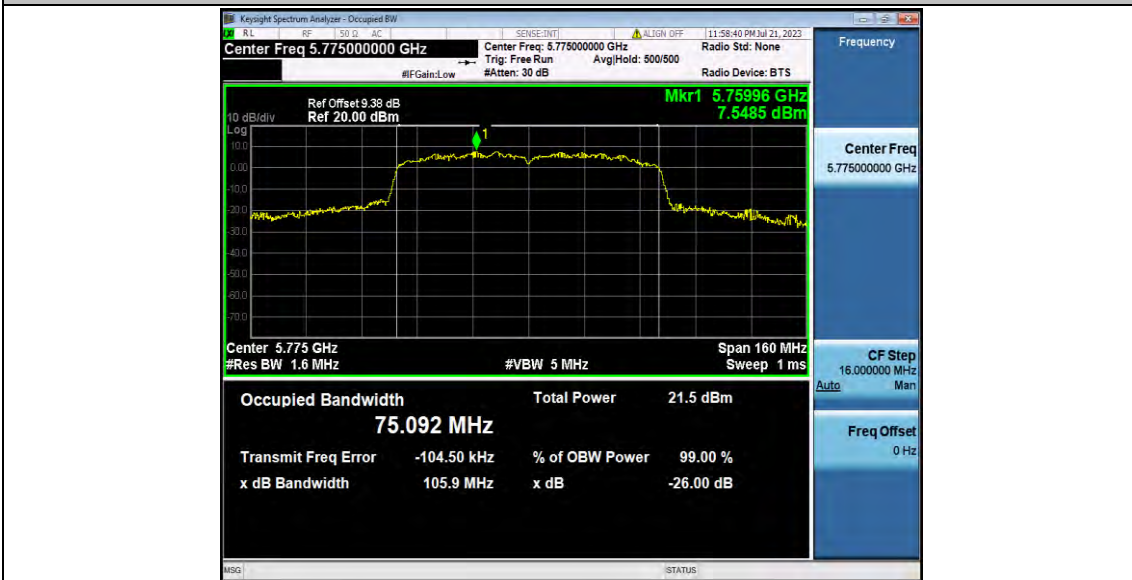
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



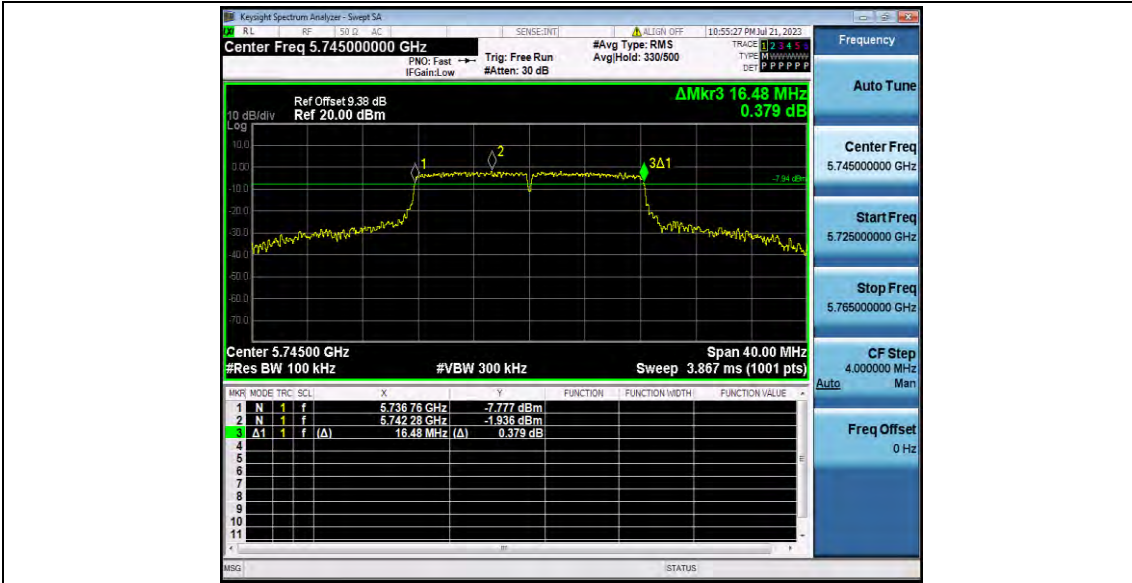
11AC80SISO_Ant2_5775

Appendix G.2: Min emission bandwidth

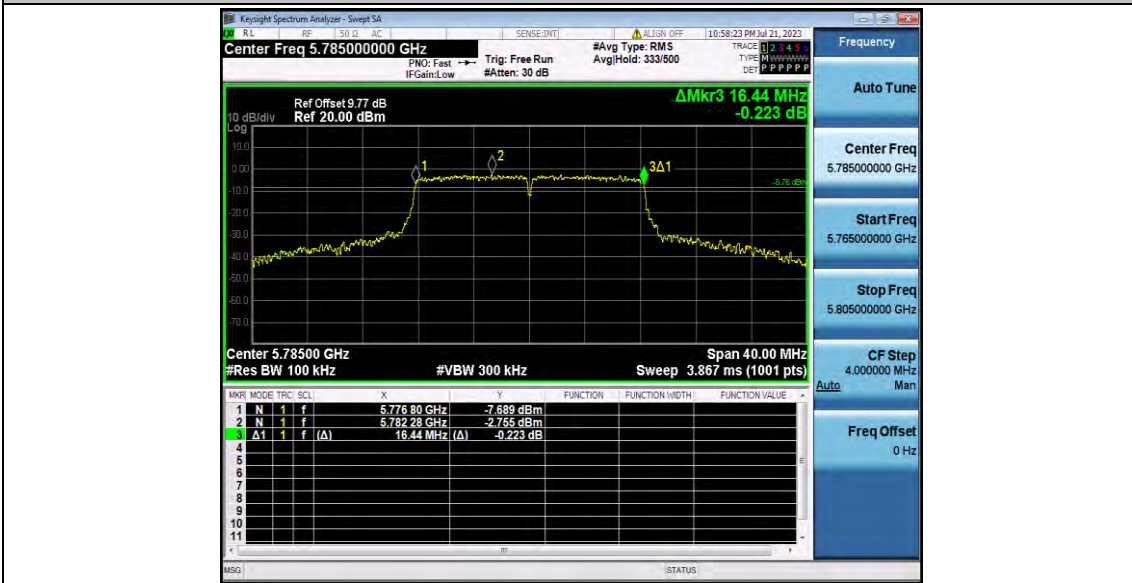
Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.440	5776.800	5793.240	0.5	PASS
		5825	16.520	5816.760	5833.280	0.5	PASS
11N20SISO	Ant2	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11N40SISO	Ant2	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant2	5745	17.680	5736.200	5753.880	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11AC40SISO	Ant2	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant2	5775	74.400	5737.080	5811.480	0.5	PASS

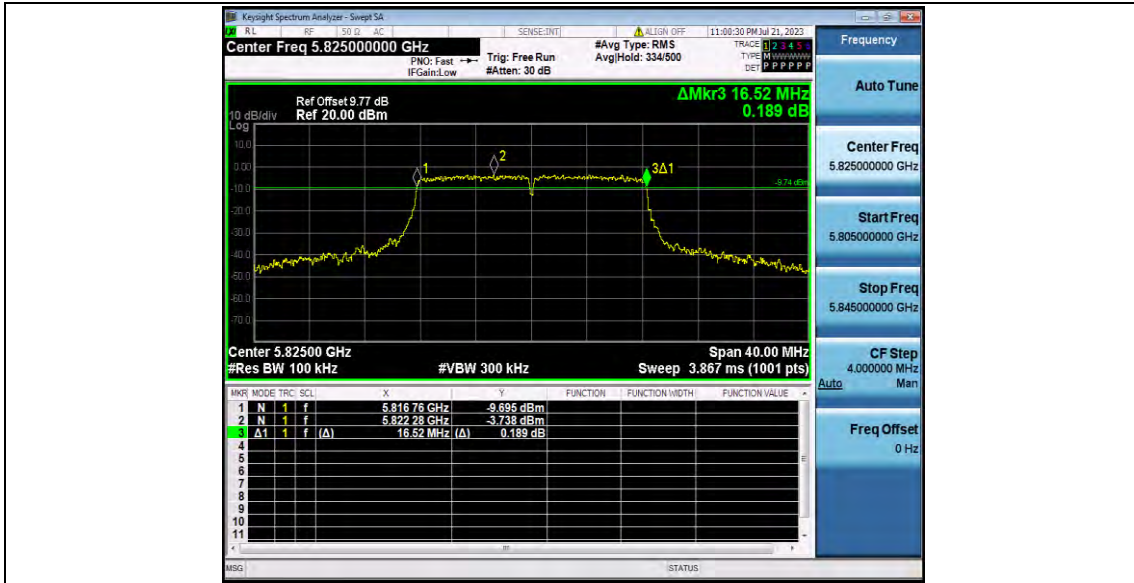
Test Graphs B4



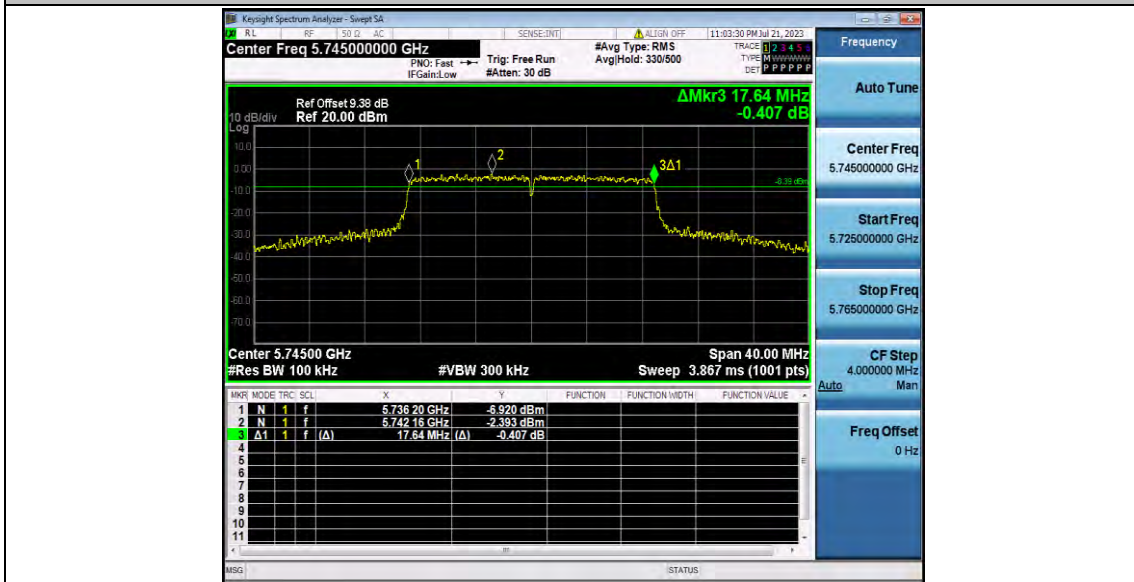
11A_Ant2_5745



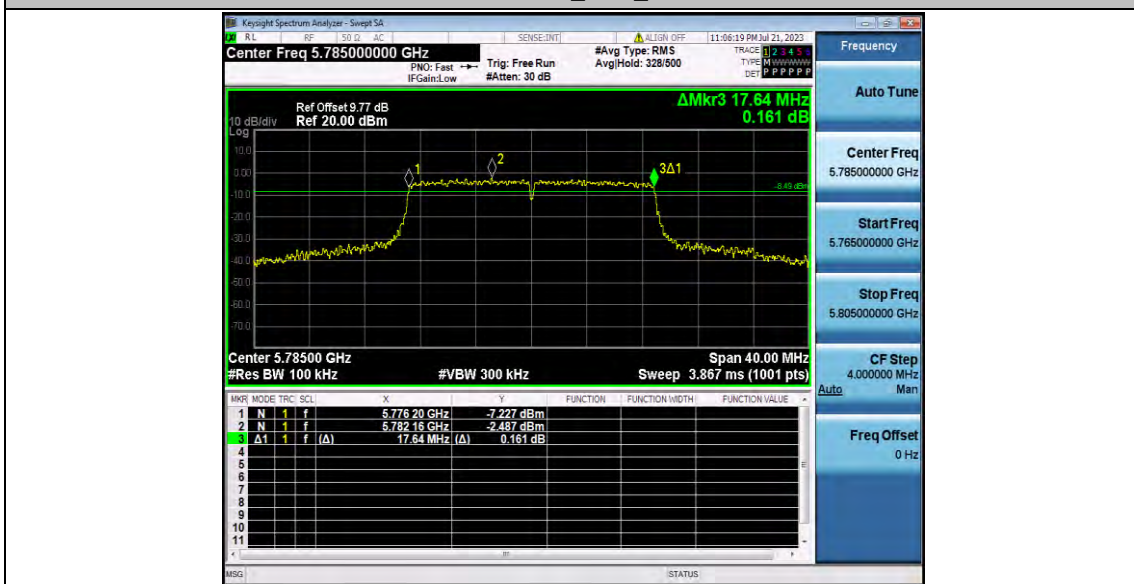
11A_Ant2_5785



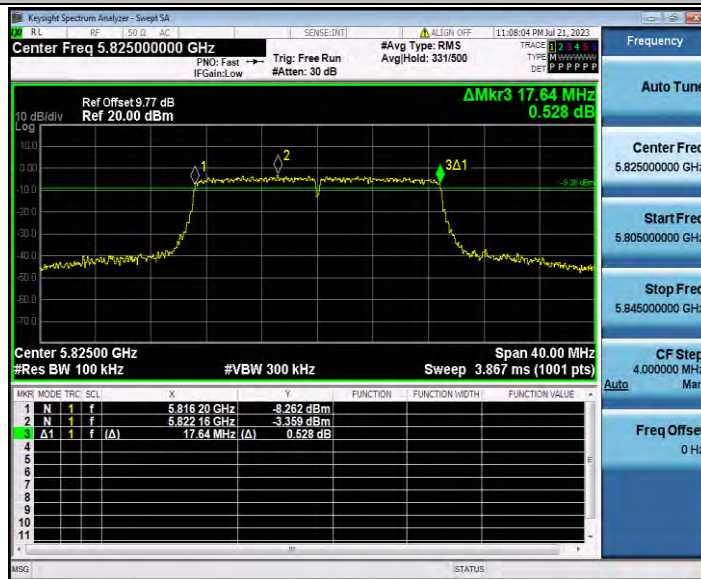
11A_Ant2_5825



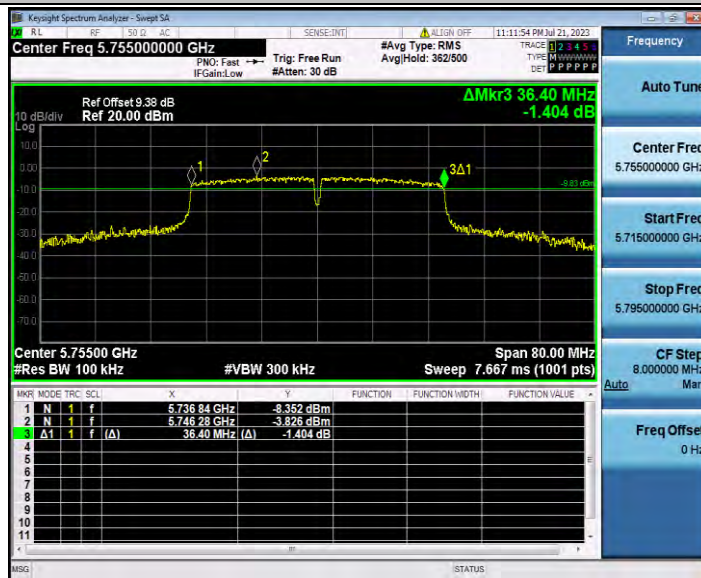
11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



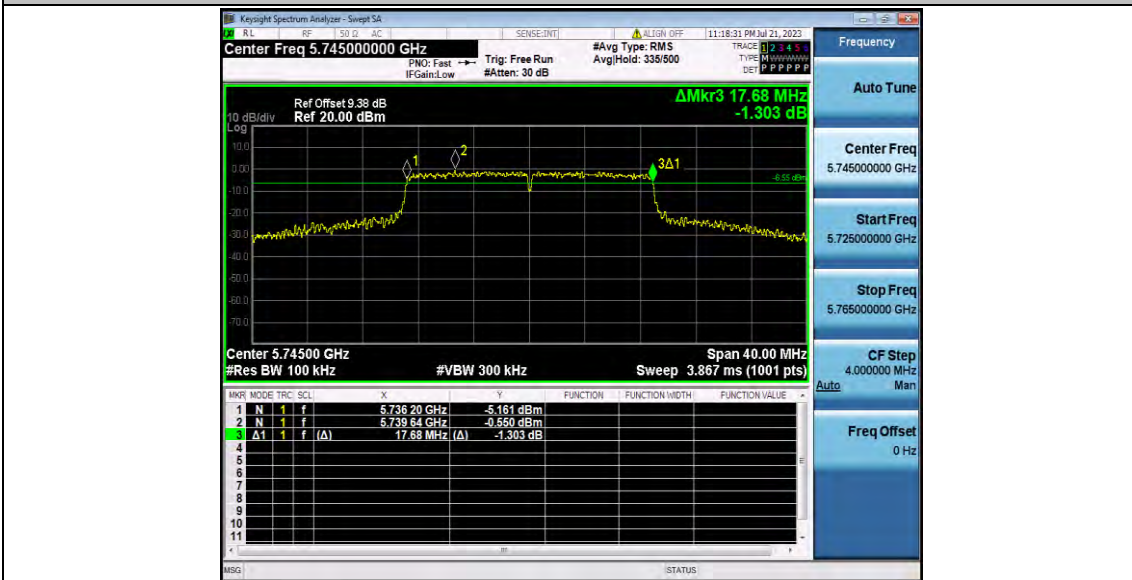
11N20SISO_Ant2_5825



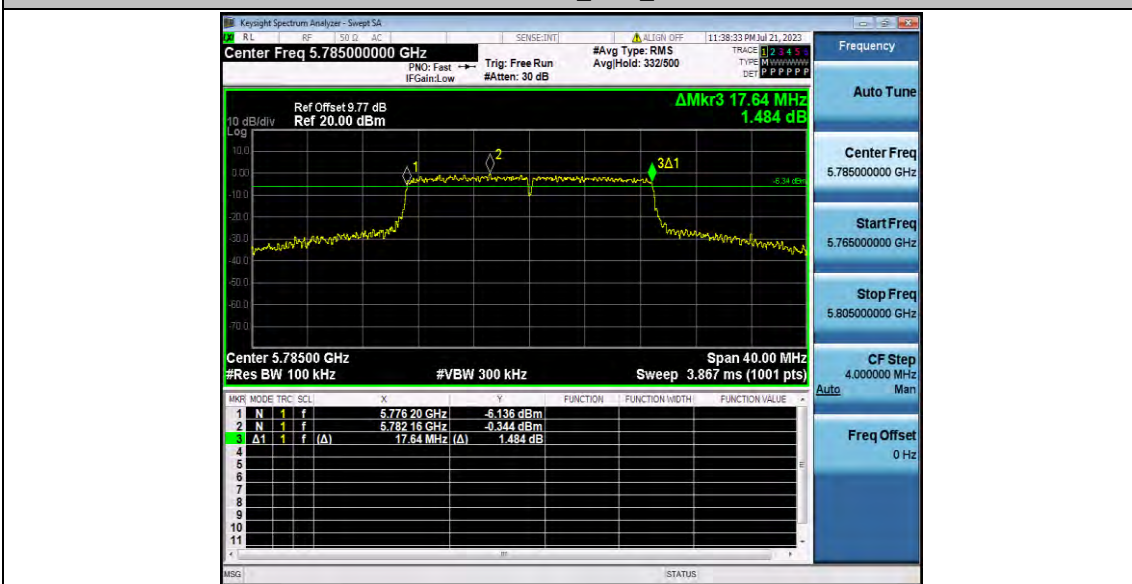
11N40SISO_Ant2_5755



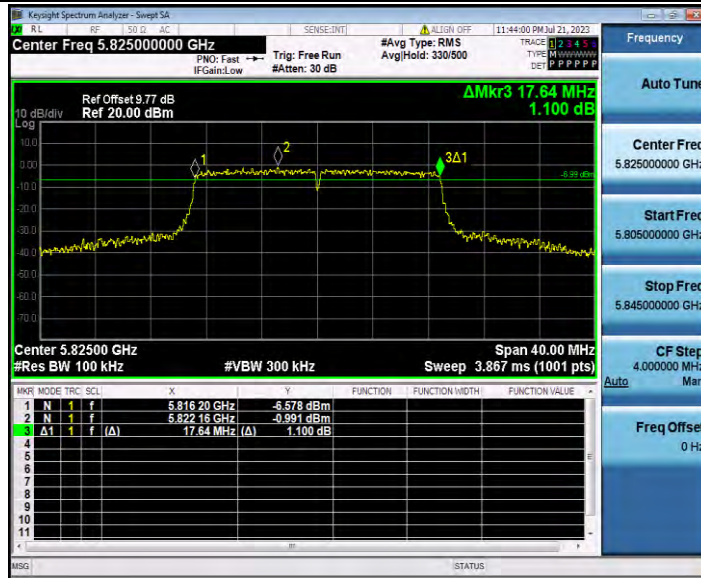
11N40SISO_Ant2_5795



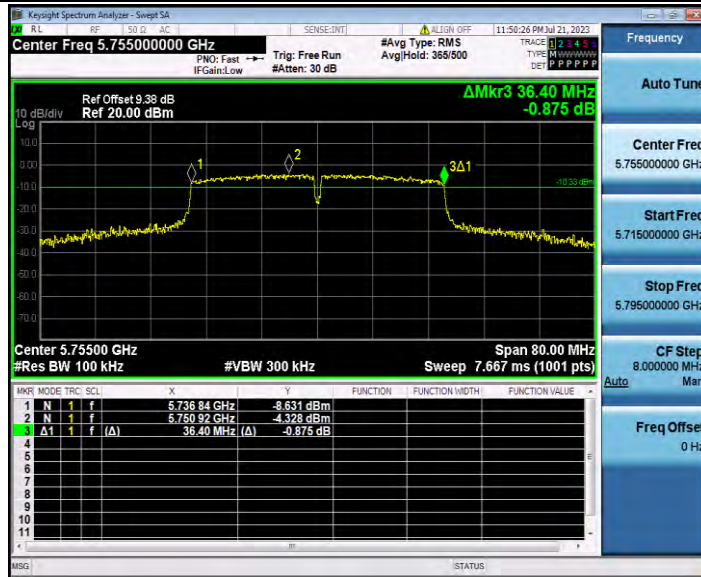
11AC20SISO_Ant2_5745



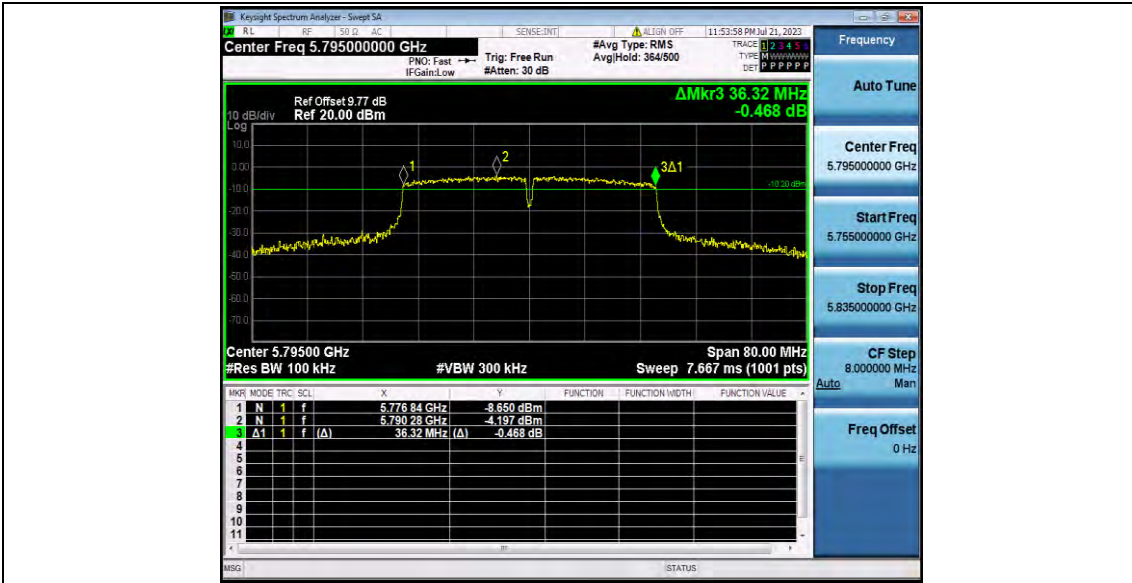
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



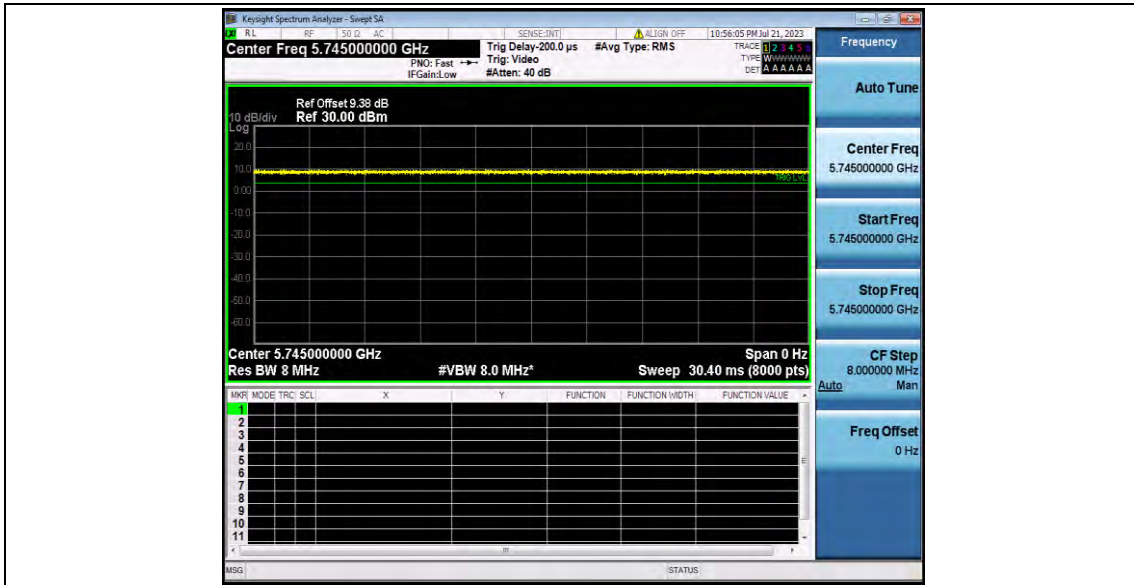
11AC80SISO_Ant2_5775

Appendix G.3: Duty Cycle

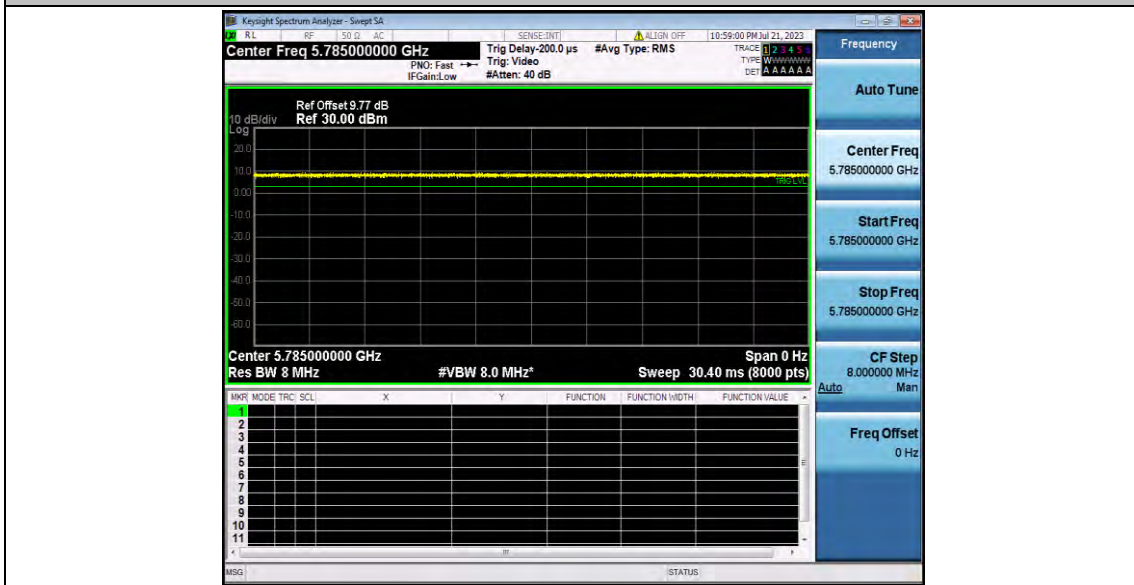
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant2	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant2	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant2	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant2	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant2	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant2	5775	30.00	30.00	100.00

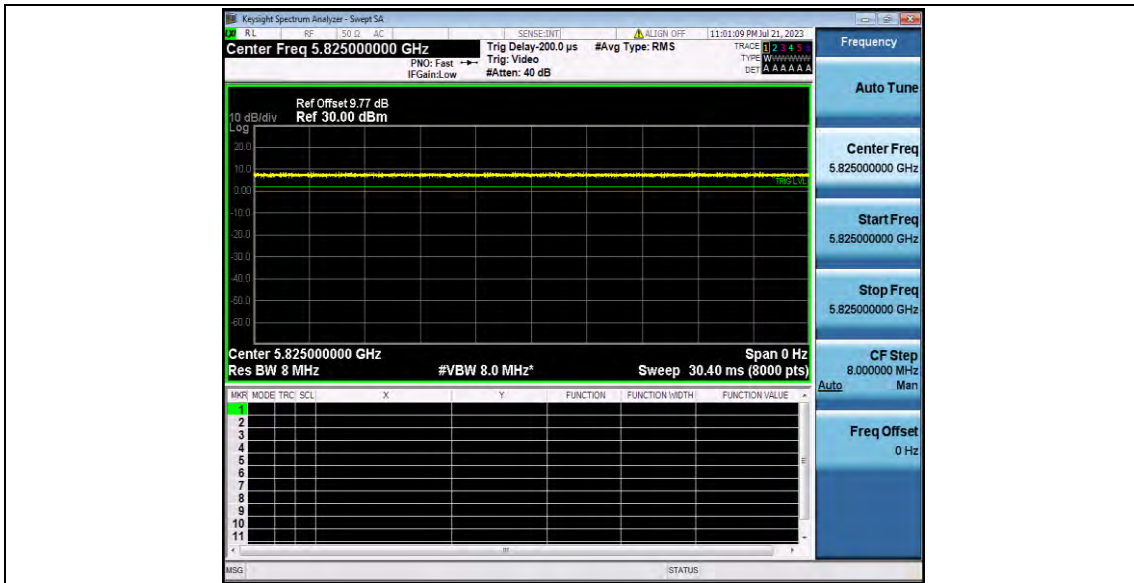
Test Graphs



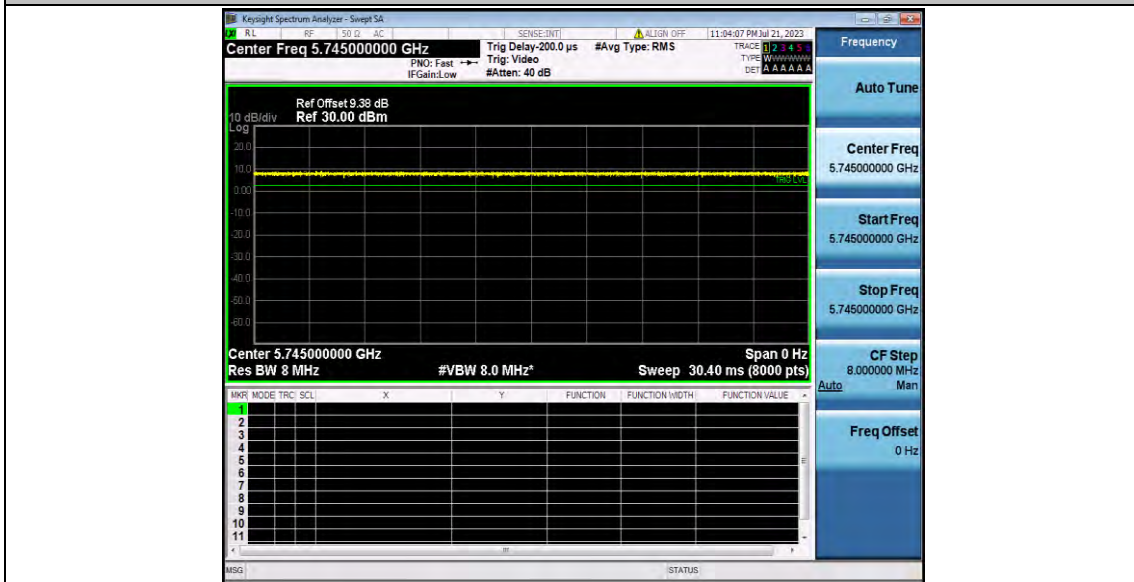
11A_Ant2_5745



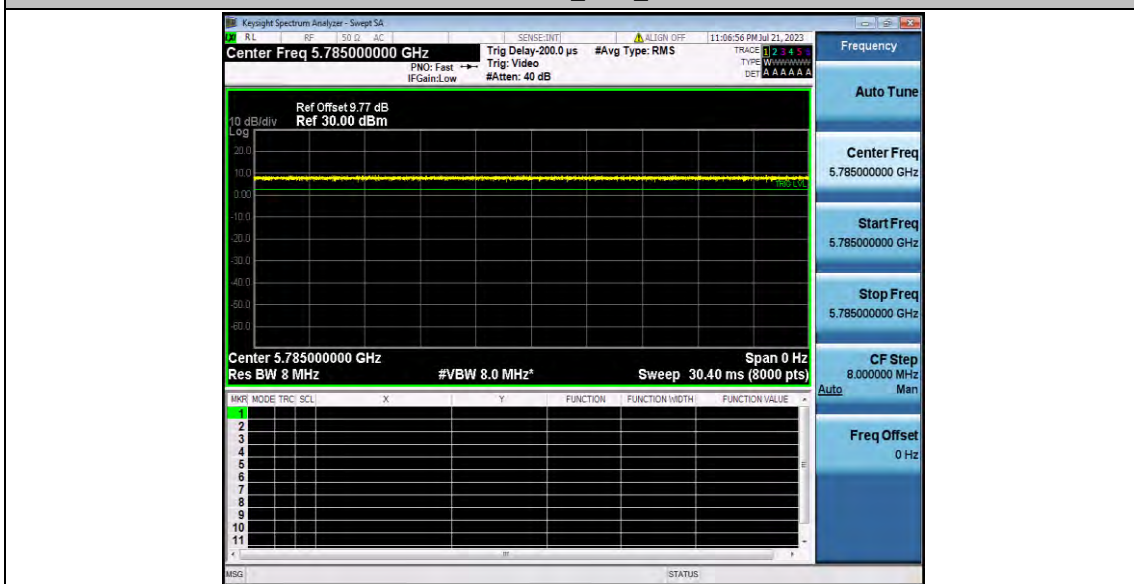
11A_Ant2_5785



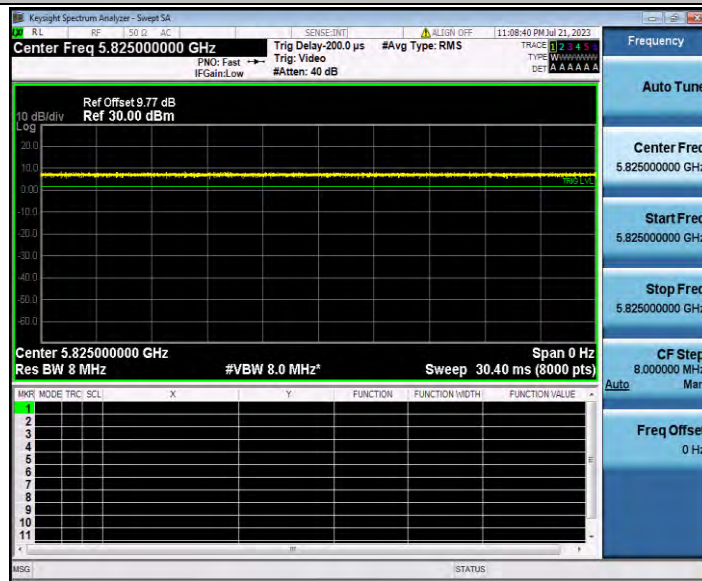
11A_Ant2_5825



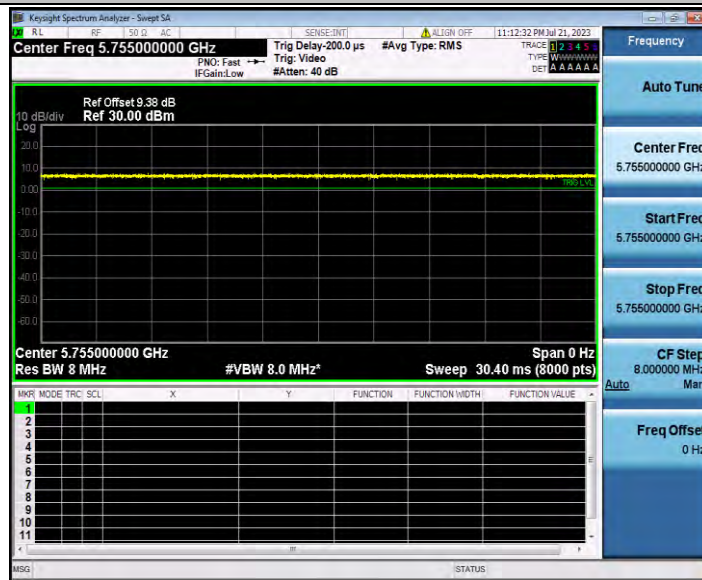
11N20SISO_Ant2_5745



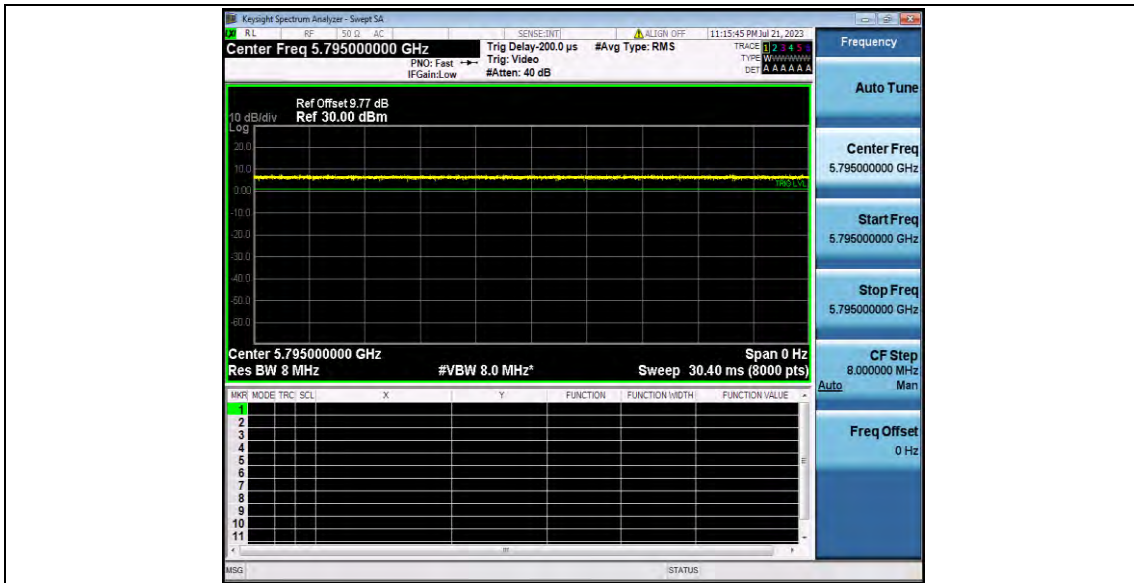
11N20SISO_Ant2_5785



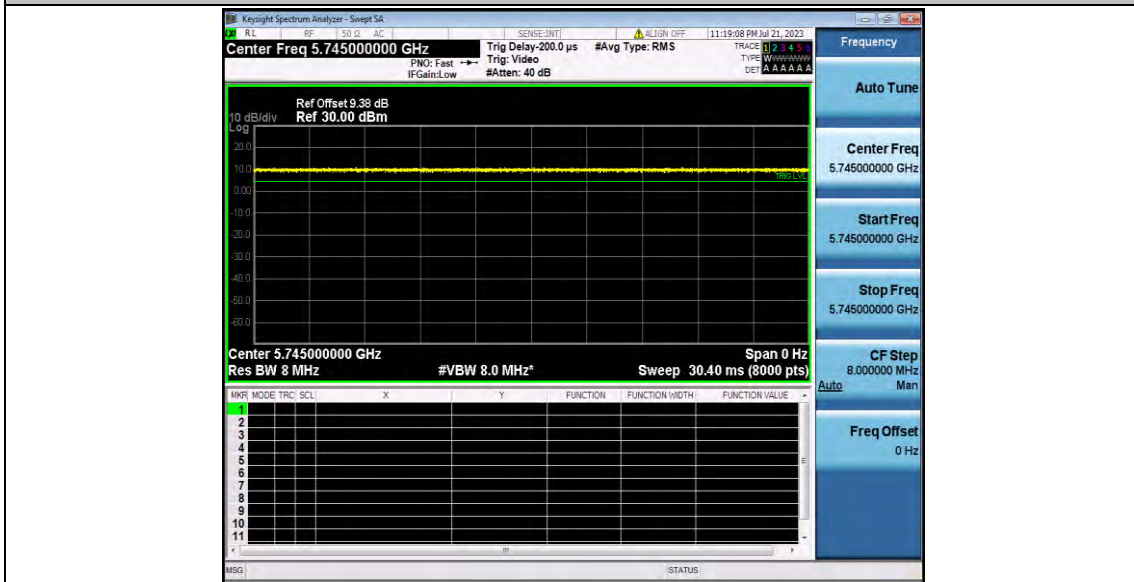
11N20SISO_Ant2_5825



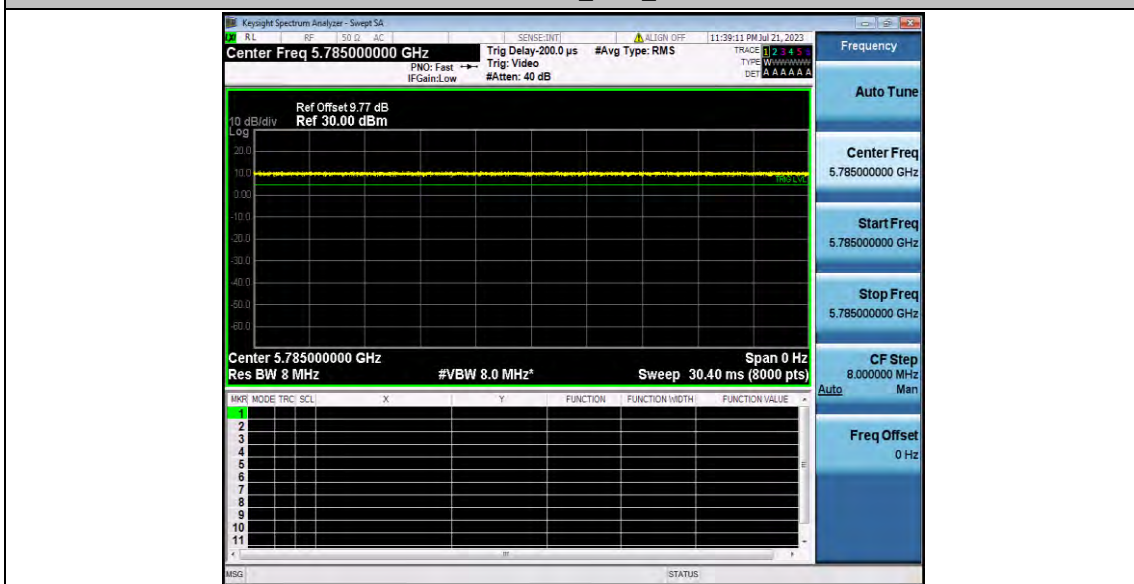
11N40SISO_Ant2_5755



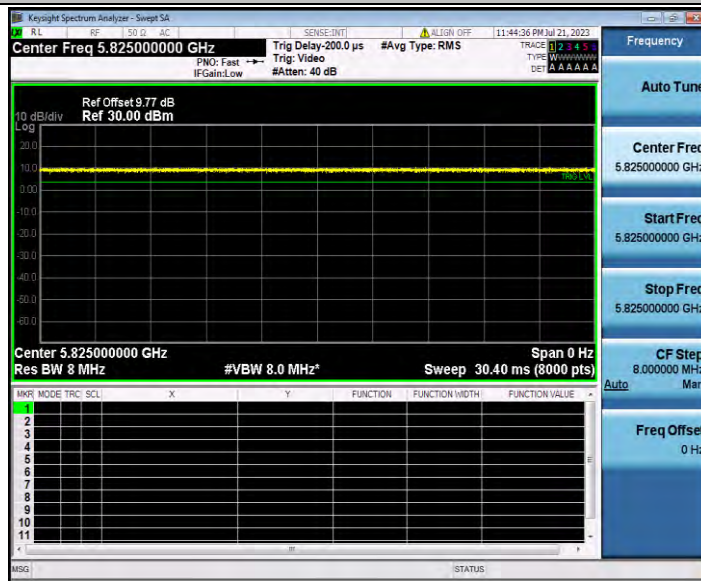
11N40SISO_Ant2_5795



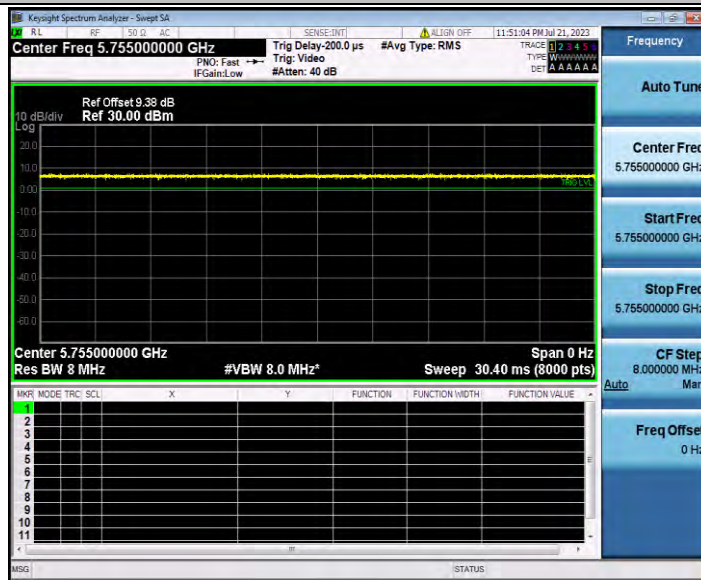
11AC20SISO_Ant2_5745



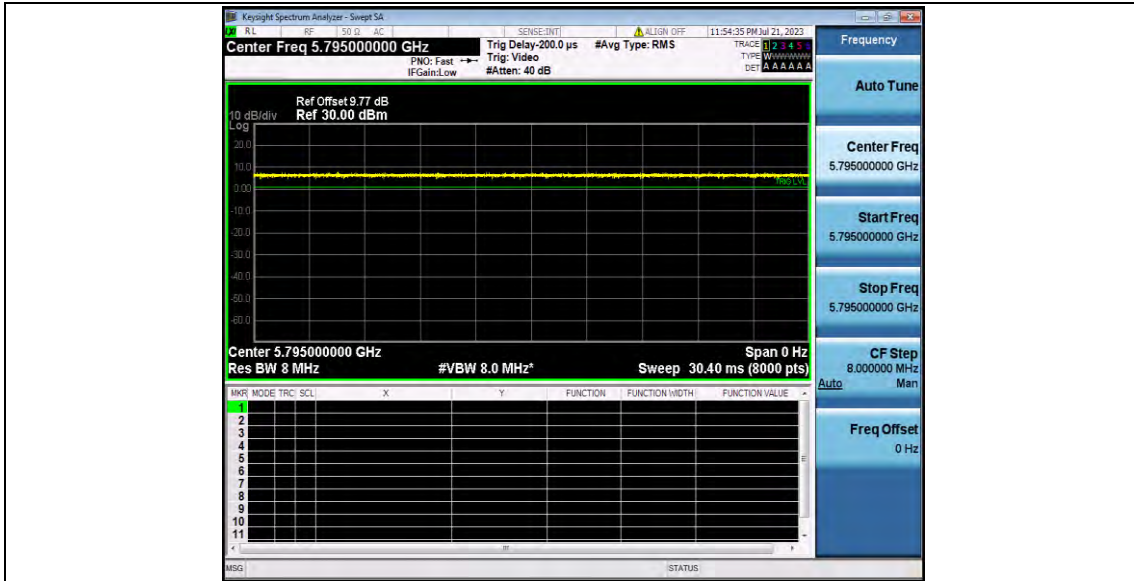
11AC20SISO_Ant2_5785



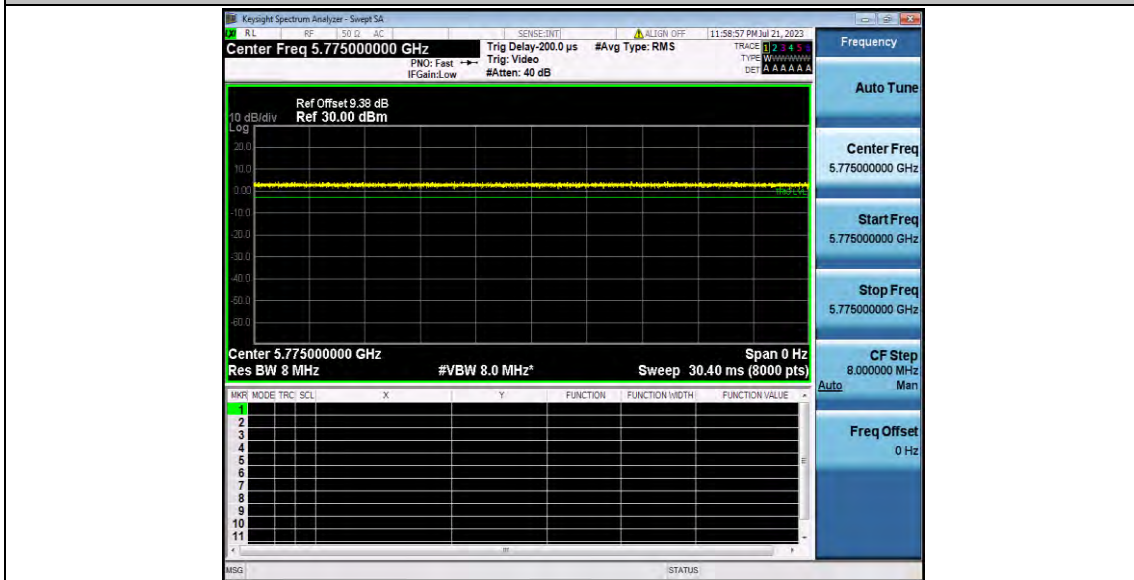
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_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	Ant2	5745	11.73	100.00	0.00	11.73	≤30.00	PASS
		5785	11.17	100.00	0.00	11.17	≤30.00	PASS
		5825	10.35	100.00	0.00	10.35	≤30.00	PASS
11N20SISO	Ant2	5745	11.28	100.00	0.00	11.28	≤30.00	PASS
		5785	11.17	100.00	0.00	11.17	≤30.00	PASS
		5825	10.41	100.00	0.00	10.41	≤30.00	PASS
11N40SISO	Ant2	5755	12.66	100.00	0.00	12.66	≤30.00	PASS
		5795	12.47	100.00	0.00	12.47	≤30.00	PASS
11AC20SISO	Ant2	5745	13.04	100.00	0.00	13.04	≤30.00	PASS
		5785	13.07	100.00	0.00	13.07	≤30.00	PASS
		5825	12.44	100.00	0.00	12.44	≤30.00	PASS
11AC40SISO	Ant2	5755	12.70	100.00	0.00	12.70	≤30.00	PASS
		5795	12.59	100.00	0.00	12.59	≤30.00	PASS
11AC80SISO	Ant2	5775	12.53	100.00	0.00	12.53	≤30.00	PASS

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

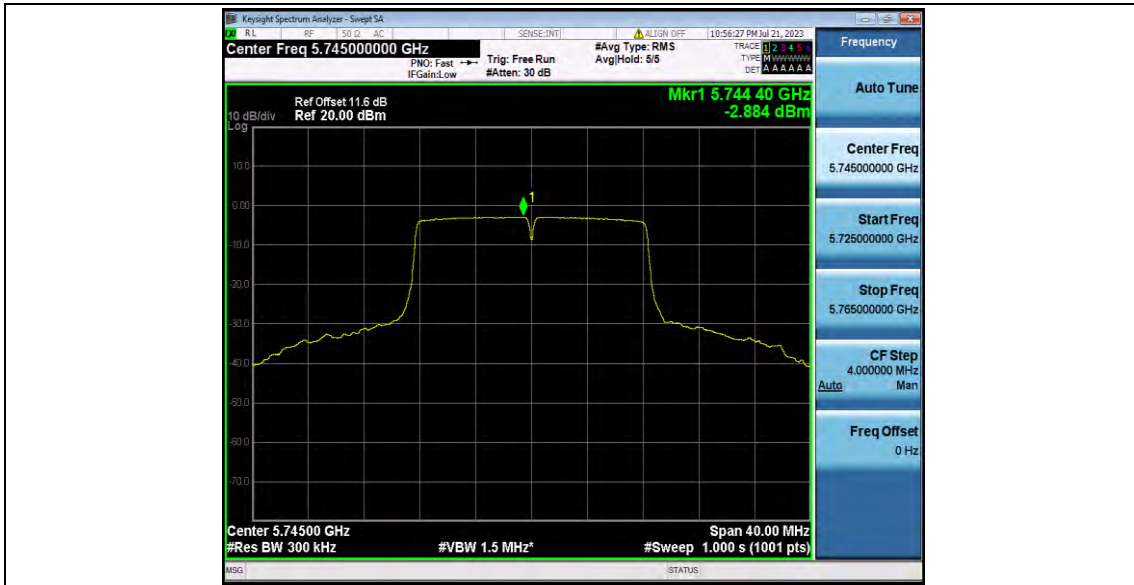
Appendix G.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-2.88	≤30.00	PASS
		5785	-3.41	≤30.00	PASS
		5825	-4.21	≤30.00	PASS
11N20SISO	Ant2	5745	-3.54	≤30.00	PASS
		5785	-3.66	≤30.00	PASS
		5825	-4.39	≤30.00	PASS
11N40SISO	Ant2	5755	-4.73	≤30.00	PASS
		5795	-4.83	≤30.00	PASS
11AC20SISO	Ant2	5745	-1.86	≤30.00	PASS
		5785	-1.71	≤30.00	PASS
		5825	-2.46	≤30.00	PASS
11AC40SISO	Ant2	5755	-4.6	≤30.00	PASS
		5795	-4.66	≤30.00	PASS
11AC80SISO	Ant2	5775	-8.04	≤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_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



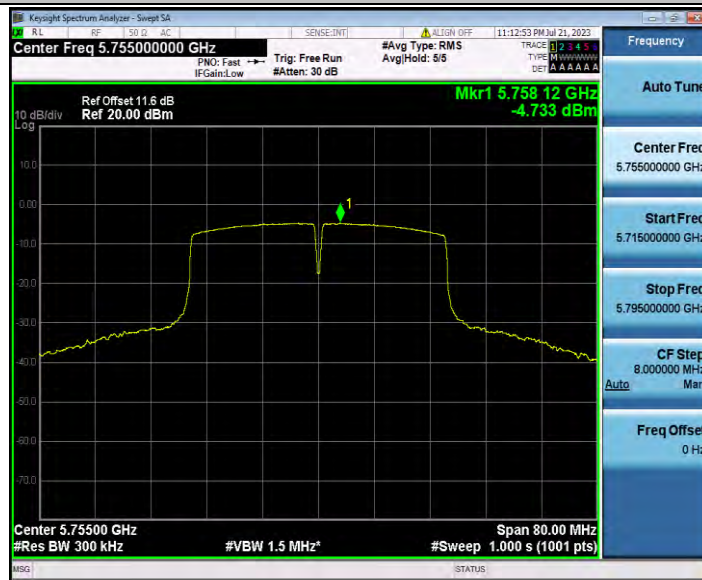
11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



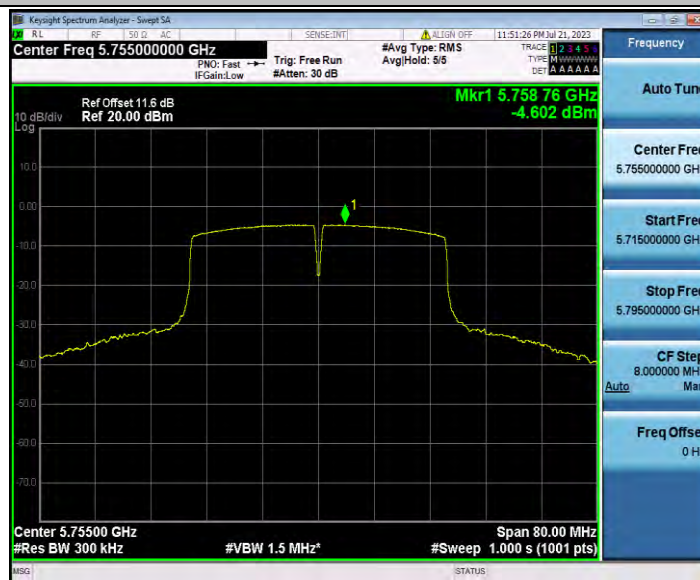
11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

Appendix G.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[M Hz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-38.69	≤-24.40	PASS
				5700~5720	-34.92	≤15.47	PASS
				5720~5725	-24.12	≤26.83	PASS
				5760~5650	-40.36	≤-27	PASS
		High	5825	5850~5855	-38.6	≤17.33	PASS
				5855~5875	-38.39	≤10.36	PASS
				5875~5925	-38.11	≤-4.48	PASS
				5925~5935	-38.48	≤-27	PASS
11N20SIS O	Ant2	Low	5745	5650~5700	-39.07	≤-14.28	PASS
				5700~5720	-33.69	≤15.56	PASS
				5720~5725	-20.53	≤24.21	PASS
				5760~5650	-39.96	≤-27	PASS
		High	5825	5850~5855	-39.26	≤16.10	PASS
				5855~5875	-38.11	≤13.24	PASS
				5875~5925	-38.42	≤-19.16	PASS
				5925~5935	-37.69	≤-27	PASS
11N40SIS O	Ant2	Low	5755	5650~5700	-33.77	≤9.66	PASS
				5700~5720	-22.29	≤15.16	PASS
				5720~5725	-19.11	≤24.36	PASS
				5780~5650	-40.11	≤-27	PASS
		High	5795	5850~5855	-38.17	≤19.80	PASS
				5855~5875	-38.67	≤11.93	PASS
				5875~5925	-37.65	≤-25.34	PASS
				5925~5935	-38.78	≤-27	PASS
11AC20SI SO	Ant2	Low	5745	5650~5700	-38.57	≤-13.00	PASS
				5700~5720	-28.57	≤15.24	PASS
				5720~5725	-15.8	≤24.47	PASS
				5760~5650	-40.15	≤-27	PASS
		High	5825	5850~5855	-34.82	≤16.10	PASS
				5855~5875	-38.44	≤15.31	PASS
				5875~5925	-38.15	≤-25.46	PASS
				5925~5935	-37.98	≤-27	PASS
11AC40SI SO	Ant2	Low	5755	5650~5700	-34.09	≤8.76	PASS
				5700~5720	-22.16	≤15.31	PASS
				5720~5725	-19.24	≤20.66	PASS
				5780~5650	-39.21	≤-27	PASS

		High	5795	5850~5855	-38.17	≤15.66	PASS
				5855~5875	-38.92	≤12.95	PASS
				5875~5925	-38.88	≤0.18	PASS
				5925~5935	-37.76	≤-27	PASS
11AC80SI SO	Ant2	Low	5775	5650~5700	-25.39	≤7.27	PASS
				5700~5720	-23.04	≤14.22	PASS
				5720~5725	-21.31	≤26.25	PASS
				5800~5650	-39.62	≤-27	PASS
		High	5775	5850~5855	-26.31	≤15.79	PASS
				5855~5875	-29.94	≤10.44	PASS
				5875~5925	-38.43	≤-25.86	PASS
				5925~5935	-39.47	≤-27	PASS

Test Graphs B4



11A_Ant2_Low_5745



11A_Ant2_High_5825



11N20SISO_Ant2_Low_5745



11N20SISO_Ant2_High_5825



11N40SISO_Ant2_Low_5755



11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC40SISO_Ant2_Low_5755



11AC40SISO_Ant2_High_5795



11AC80SISO_Ant2_Low_5775



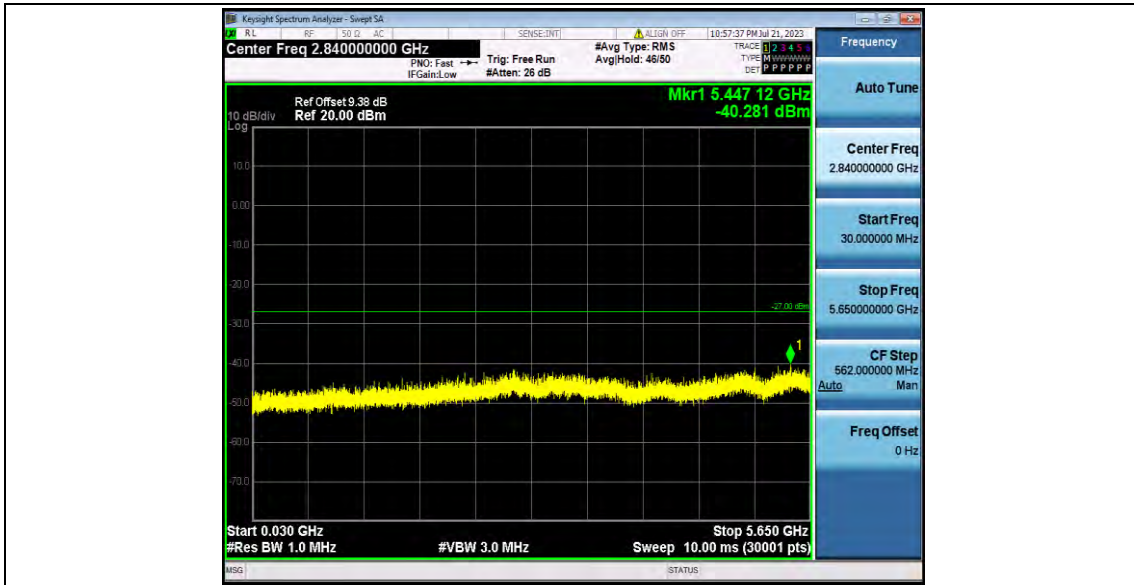
11AC80SISO_Ant2_High_5775

Appendix G.7: Conducted Spurious Emission

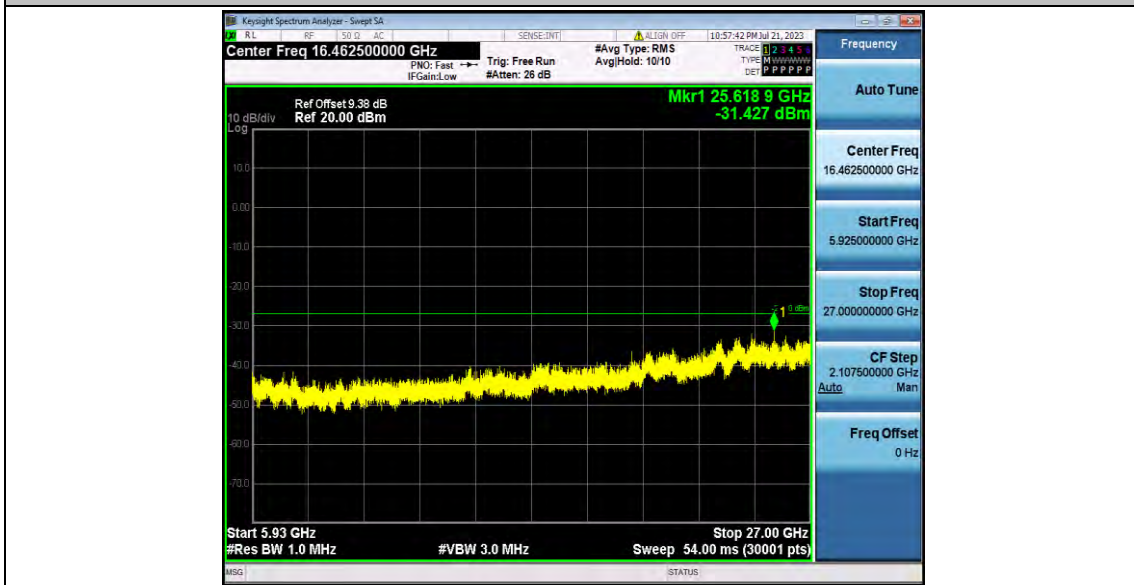
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5447.12	-40.28	≤-27	PASS
			5925~40000	25618.89	-31.43	≤-27	PASS
		5785	30~5650	3030.71	-40.2	≤-27	PASS
			5925~40000	24282.73	-32.22	≤-27	PASS
		5825	30~5650	5435.5	-40.28	≤-27	PASS
			5925~40000	24265.87	-31.39	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5516.99	-40.86	≤-27	PASS
			5925~40000	26518.79	-32.44	≤-27	PASS
		5785	30~5650	4945.06	-40.66	≤-27	PASS
			5925~40000	25984.19	-31.95	≤-27	PASS
		5825	30~5650	2470.39	-40.35	≤-27	PASS
			5925~40000	26519.49	-32.32	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5420.14	-39.79	≤-27	PASS
			5925~40000	24279.92	-32.44	≤-27	PASS
		5795	30~5650	5420.89	-40.85	≤-27	PASS
			5925~40000	24282.73	-31.81	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	4787.89	-41	≤-27	PASS
			5925~40000	24250.42	-32.04	≤-27	PASS
		5785	30~5650	5557.64	-40.29	≤-27	PASS
			5925~40000	24197.03	-32.19	≤-27	PASS
		5825	30~5650	5512.12	-39.13	≤-27	PASS
			5925~40000	24275.71	-32.11	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	5515.31	-39.88	≤-27	PASS
			5925~40000	24206.86	-33.02	≤-27	PASS
		5795	30~5650	4773.47	-40.95	≤-27	PASS
			5925~40000	24324.88	-31.83	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	4869.01	-41.23	≤-27	PASS
			5925~40000	24270.09	-32.37	≤-27	PASS

Test Graphs



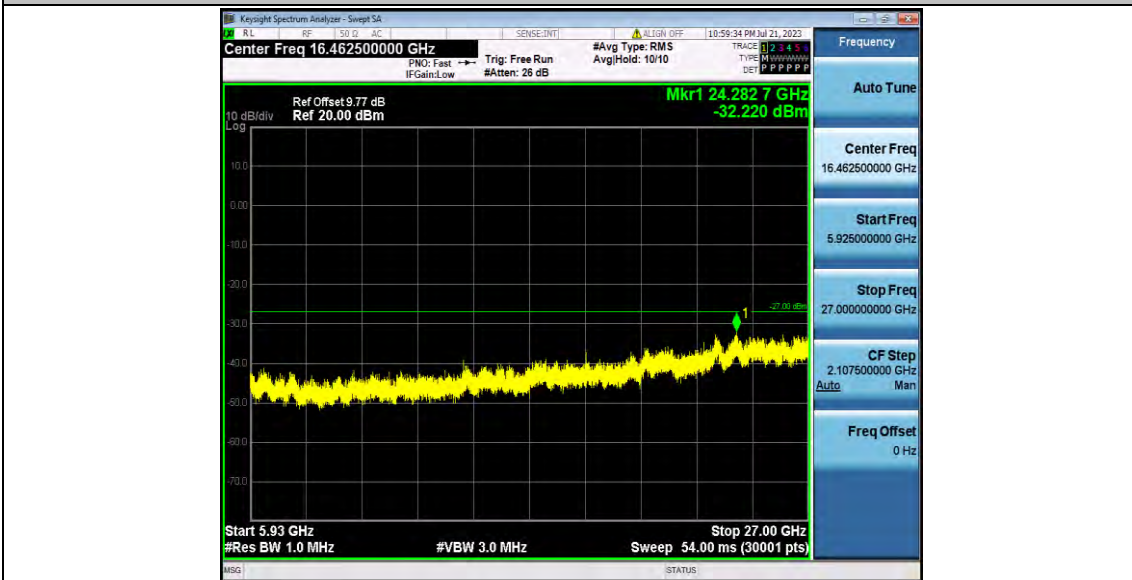
11A_Ant2_5745_30~5650



11A_Ant2_5745_5925~40000



11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~40000



11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



11N20SISO_Ant2_5745_30~5650



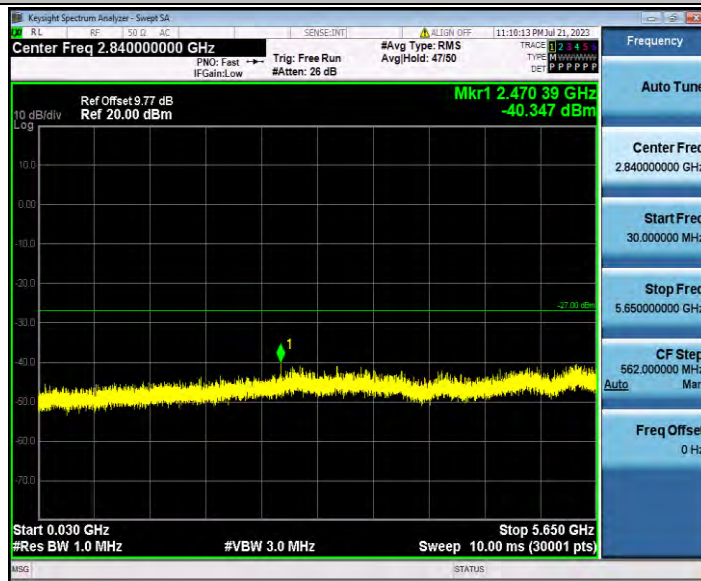
11N20SISO_Ant2_5745_5925~40000



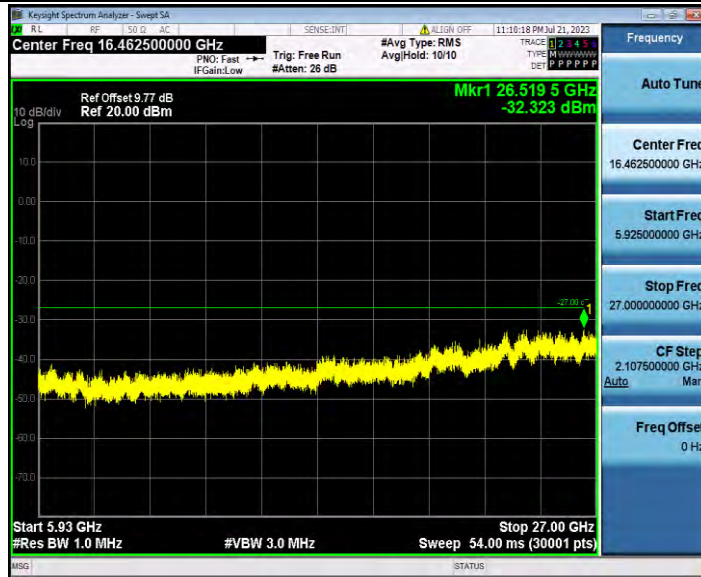
11N20SISO_Ant2_5785_30~5650



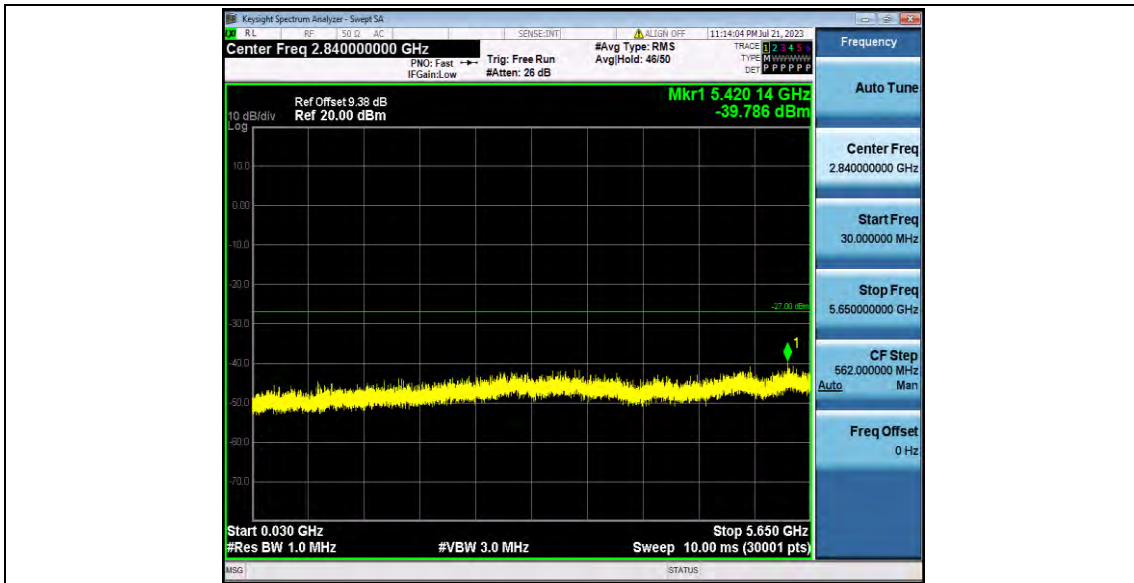
11N20SISO_Ant2_5785_5925~40000



11N20SISO_Ant2_5825_30~5650



11N20SISO_Ant2_5825_5925~40000



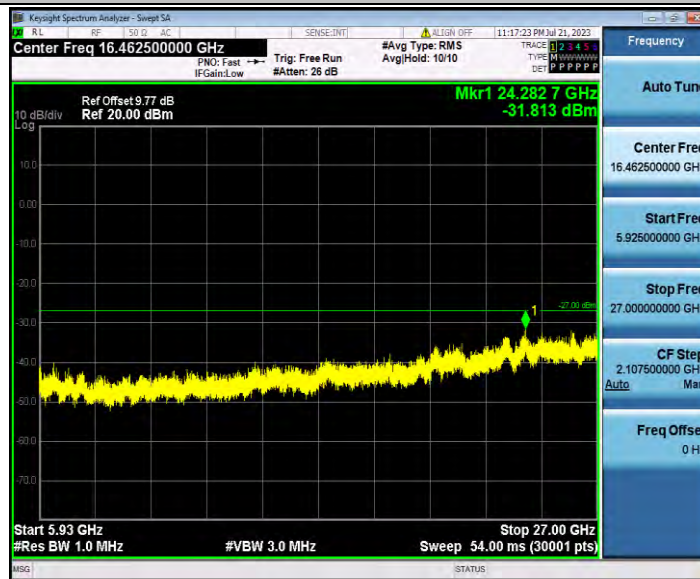
11N40SISO_Ant2_5755_30~5650



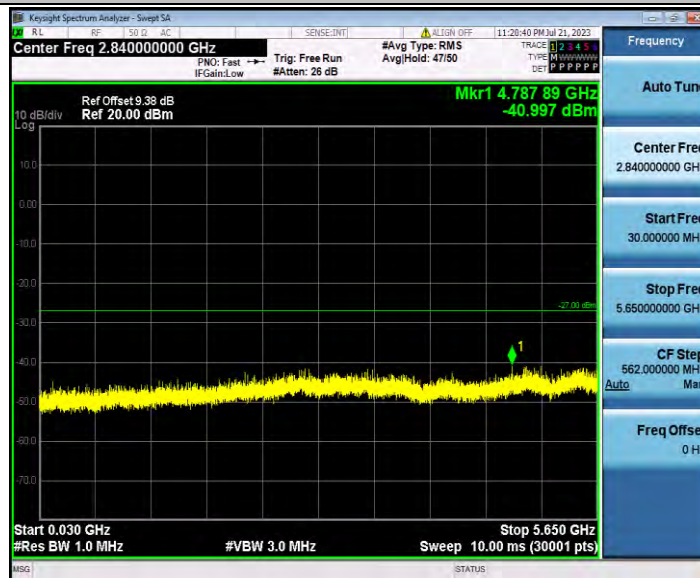
11N40SISO_Ant2_5755_5925~40000



11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~40000



11AC20SISO_Ant2_5745_30~5650



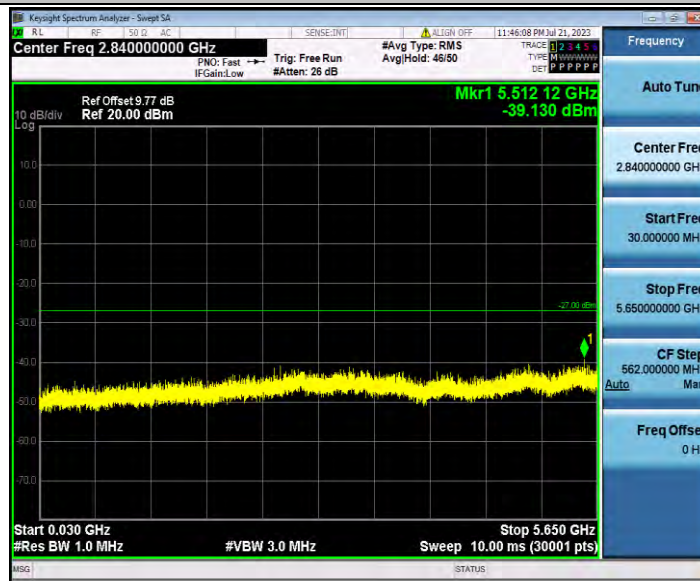
11AC20SISO_Ant2_5745_5925~4000



11AC20SISO_Ant2_5785_30~5650



11AC20SISO_Ant2_5785_5925~40000



11AC20SISO_Ant2_5825_30~5650



11AC20SISO_Ant2_5825_5925~40000



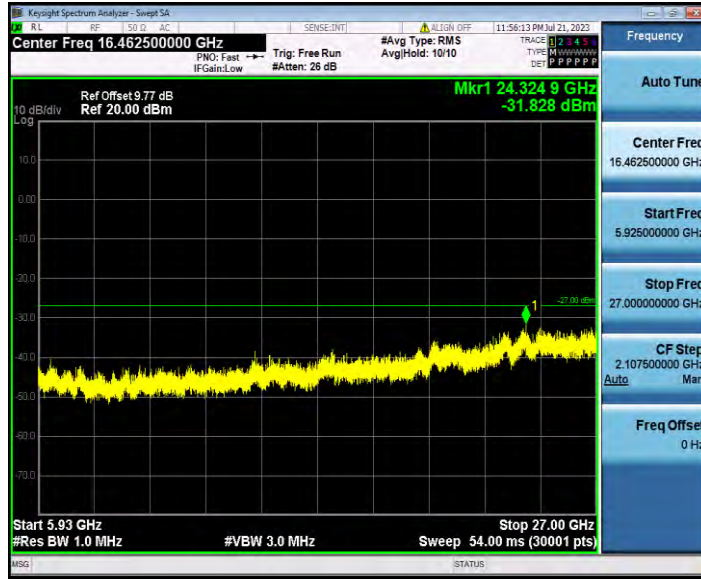
11AC40SISO_Ant2_5755_30~5650



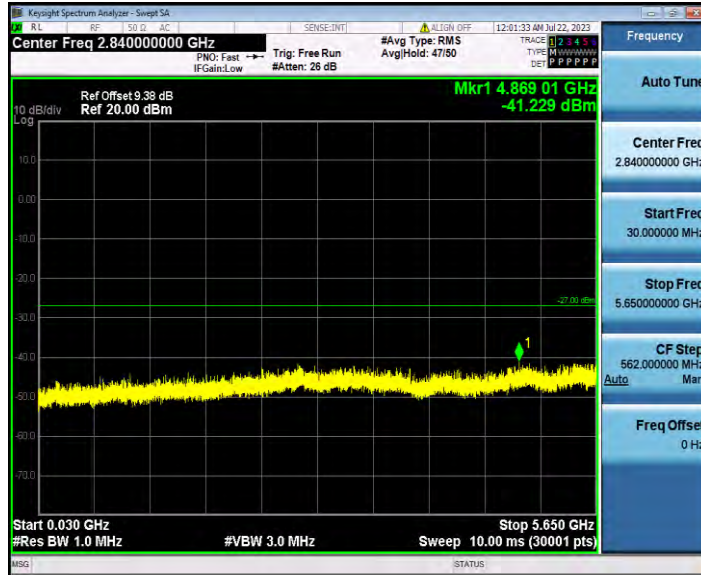
11AC40SISO_Ant2_5755_5925~40000



11AC40SISO_Ant2_5795_30~5650



11AC40SISO_Ant2_5795_5925~40000



11AC80SISO_Ant2_5775_30~5650

