

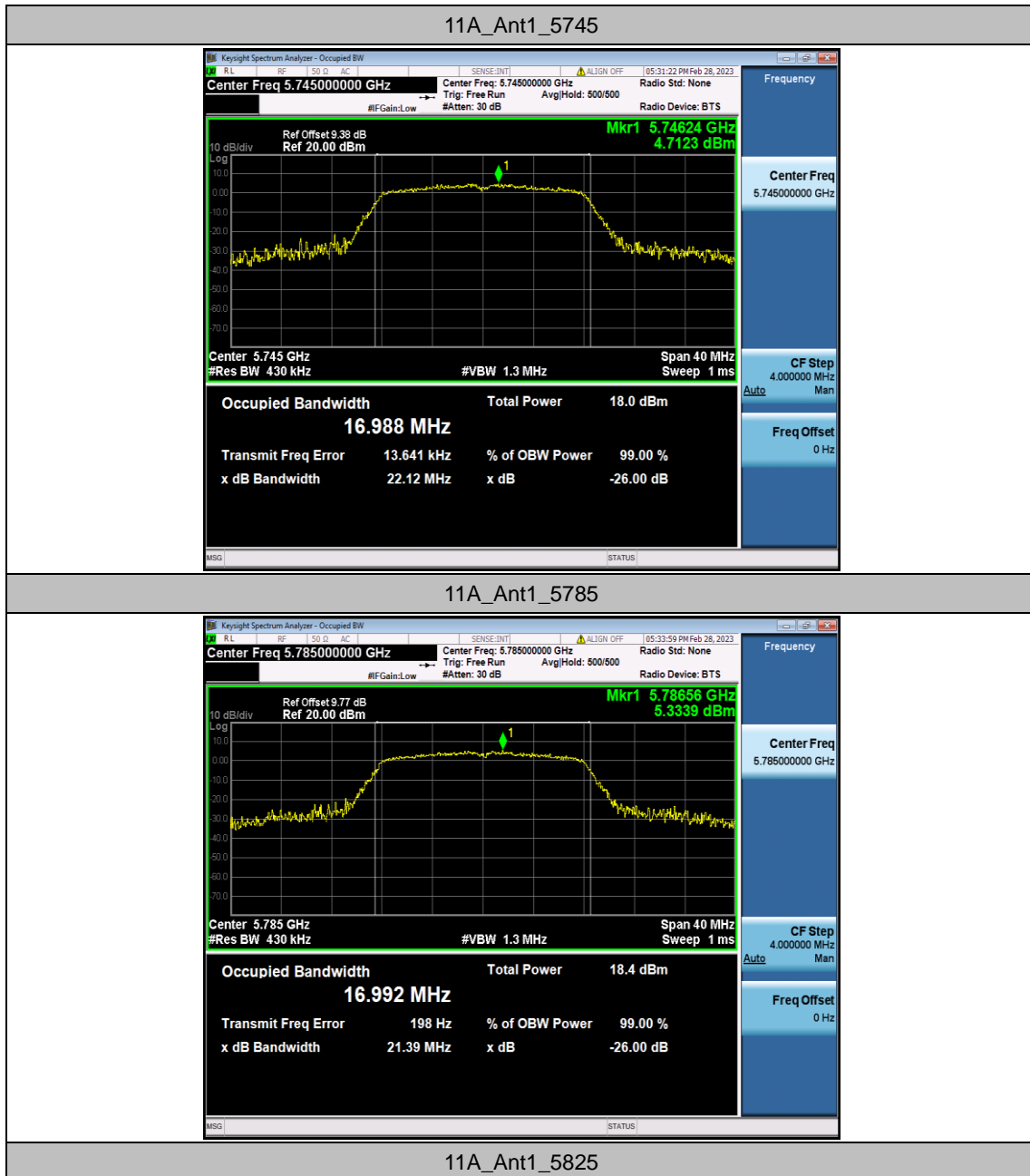
Case No. : <u>GTS20230210003-1-6</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.2.28</u> Test Engineer: <u>Jenny zeng</u>

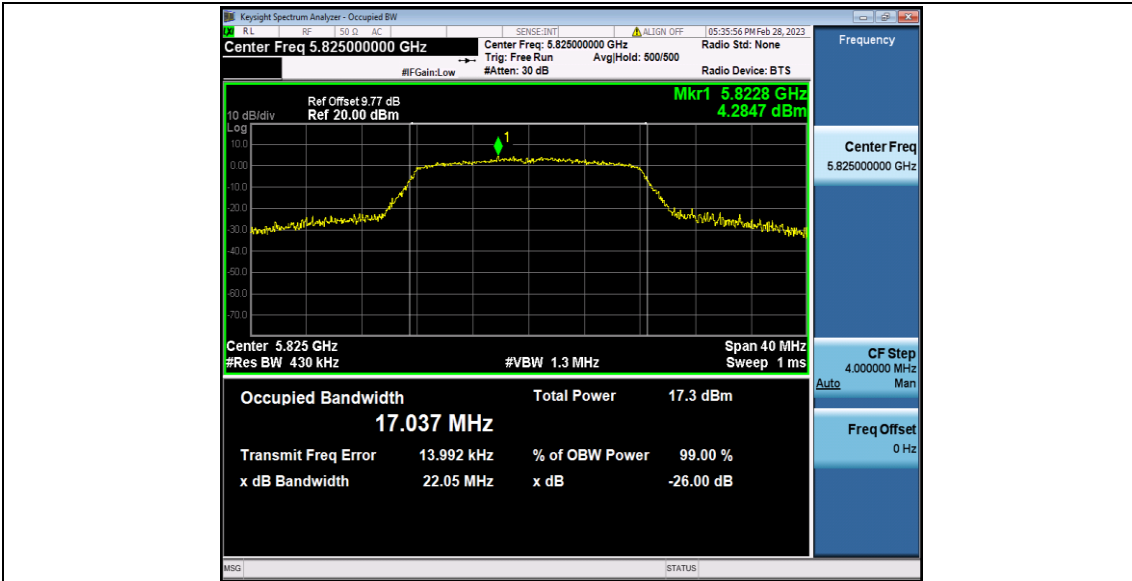
Appendix E.1: Occupied channel bandwidth

Test Result

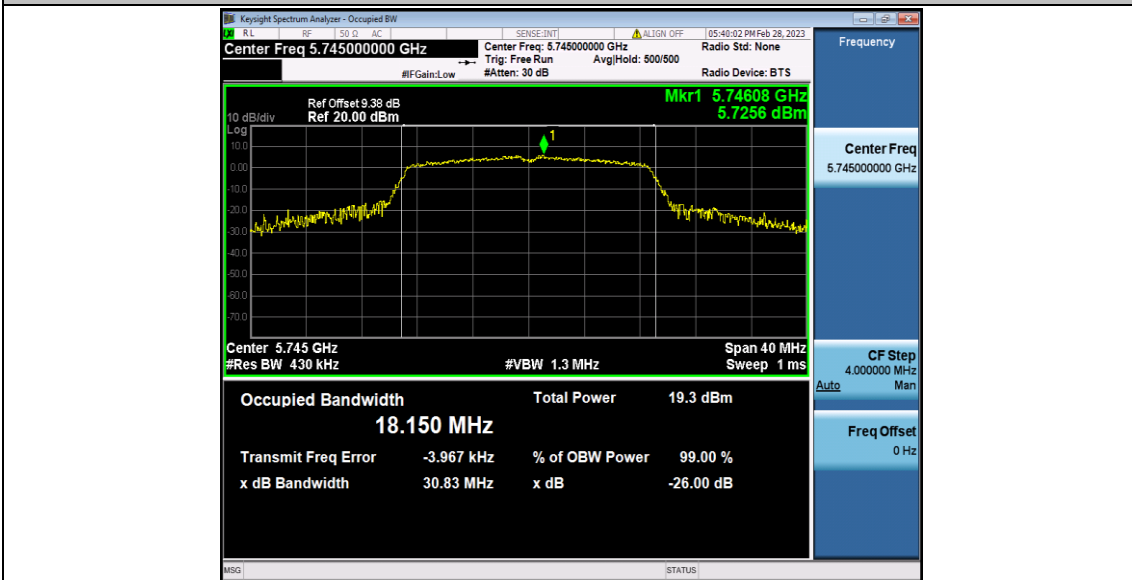
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.988	5736.520	5753.508	---	---
		5785	16.992	5776.504	5793.496	---	---
		5825	17.037	5816.495	5833.532	---	---
11N20SISO	Ant1	5745	18.150	5735.921	5754.071	---	---
		5785	18.131	5775.915	5794.046	---	---
		5825	18.157	5815.920	5834.077	---	---
11N40SISO	Ant1	5755	36.473	5736.804	5773.277	---	---
		5795	36.453	5776.816	5813.269	---	---
11AC20SISO	Ant1	5745	17.854	5736.072	5753.926	---	---
		5785	17.909	5776.034	5793.943	---	---
		5825	17.995	5815.994	5833.989	---	---
11AC40SISO	Ant1	5755	36.301	5736.885	5773.186	---	---
		5795	36.266	5776.913	5813.179	---	---
11AC80SISO	Ant1	5775	75.313	5737.406	5812.719	---	---

Test Graphs





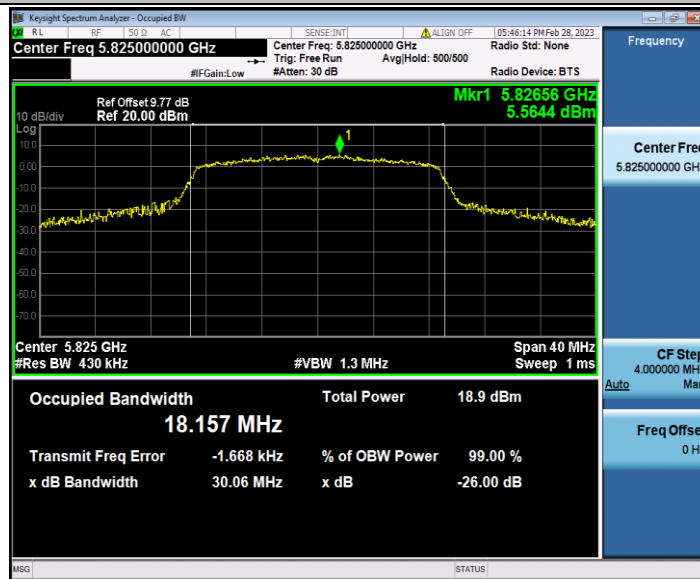
11N20SISO_Ant1_5745



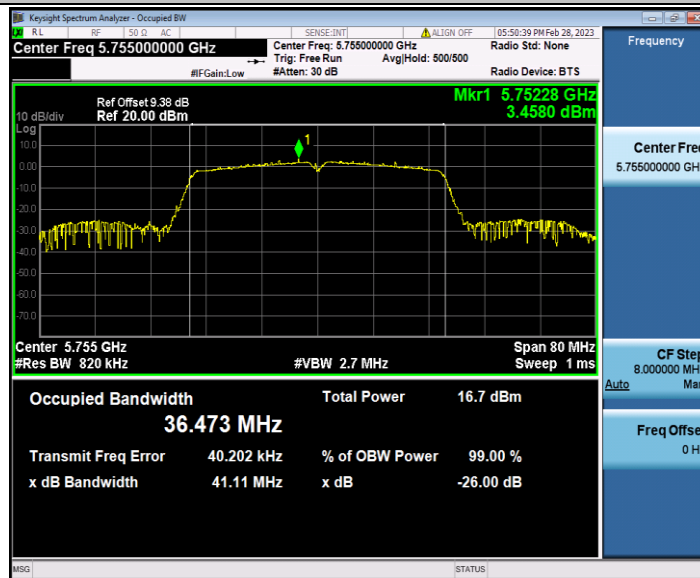
11N20SISO_Ant1_5785



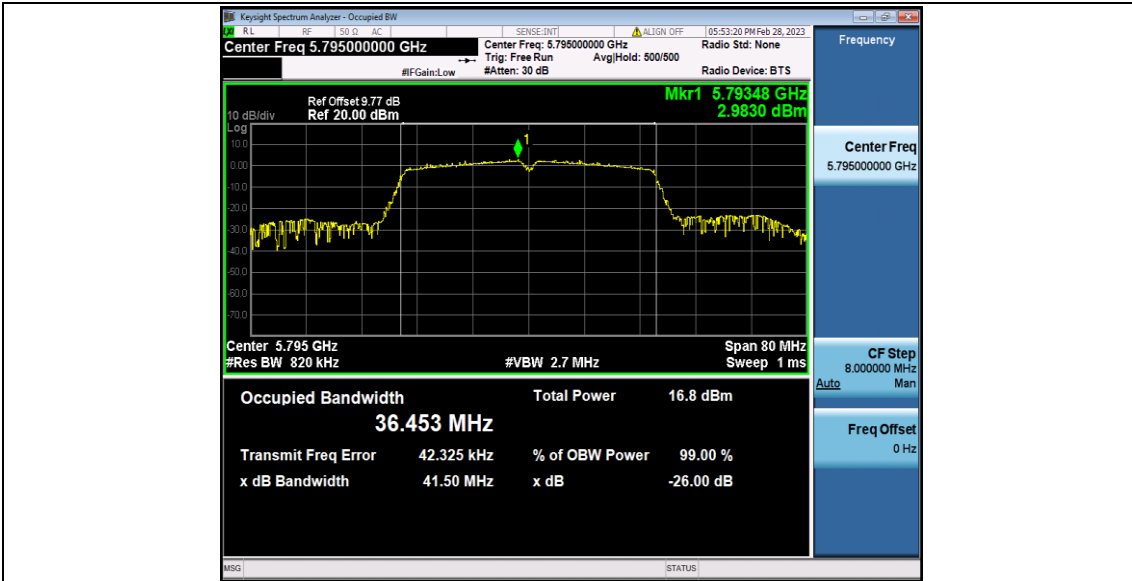
11N20SISO_Ant1_5825



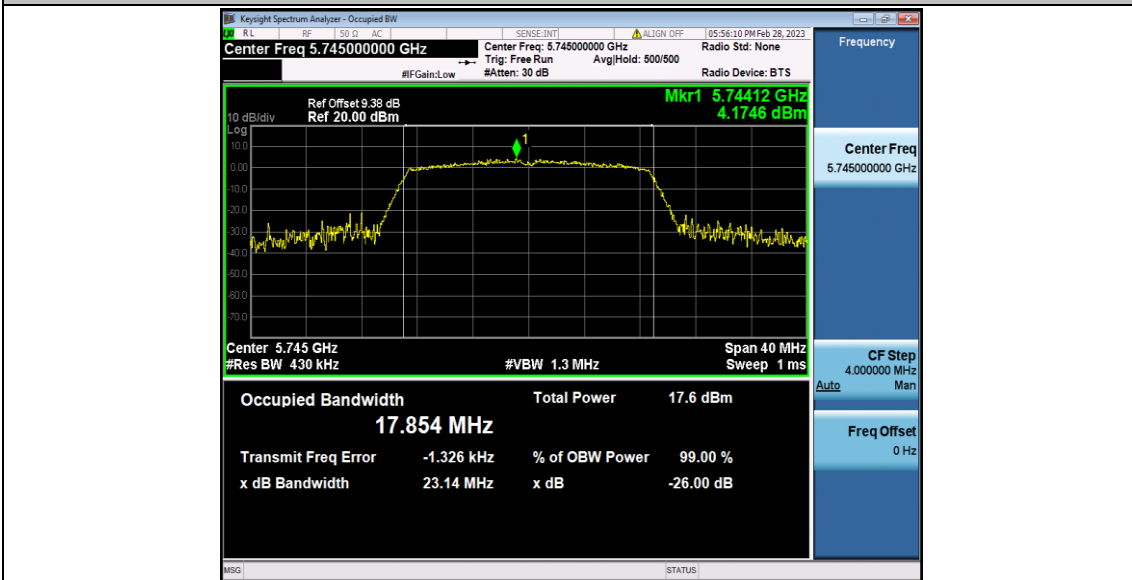
11N40SISO_Ant1_5755



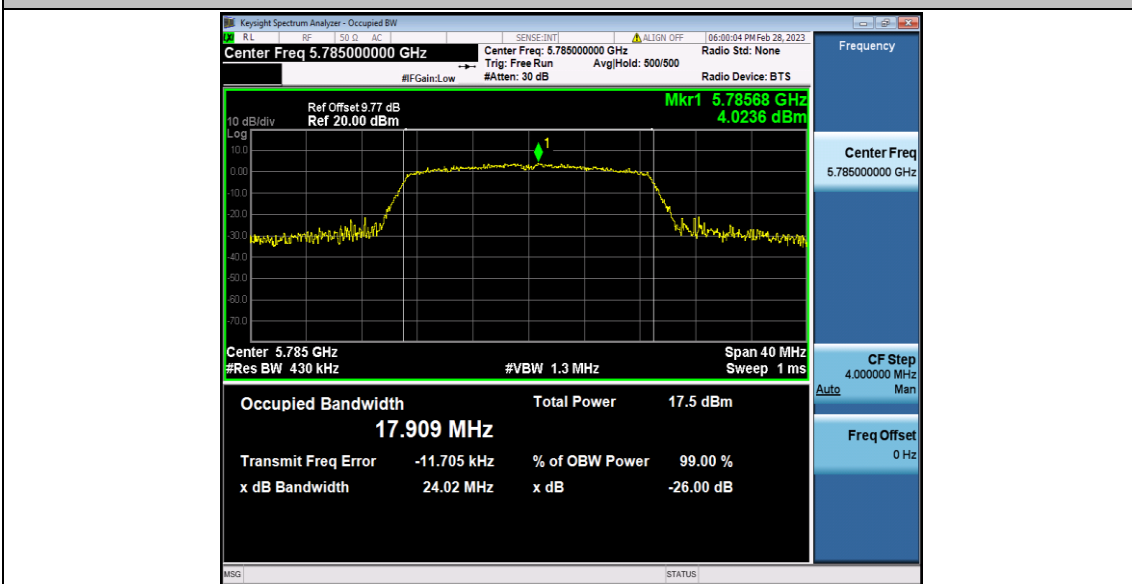
11N40SISO_Ant1_5795



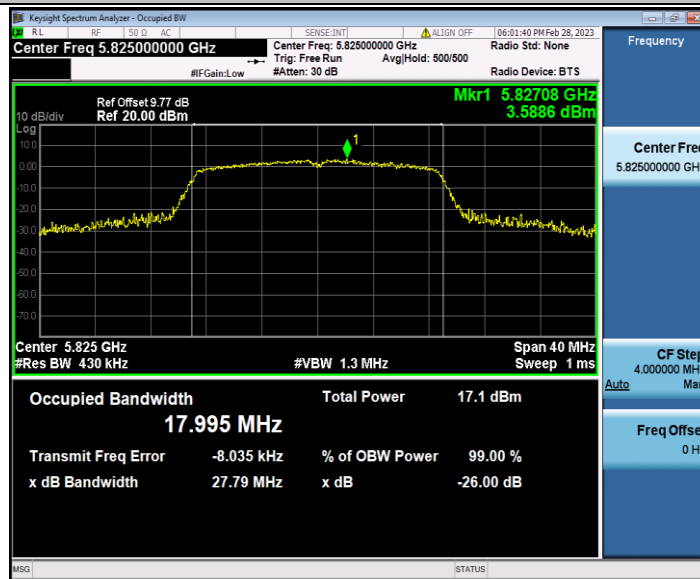
11AC20SISO_Ant1_5745



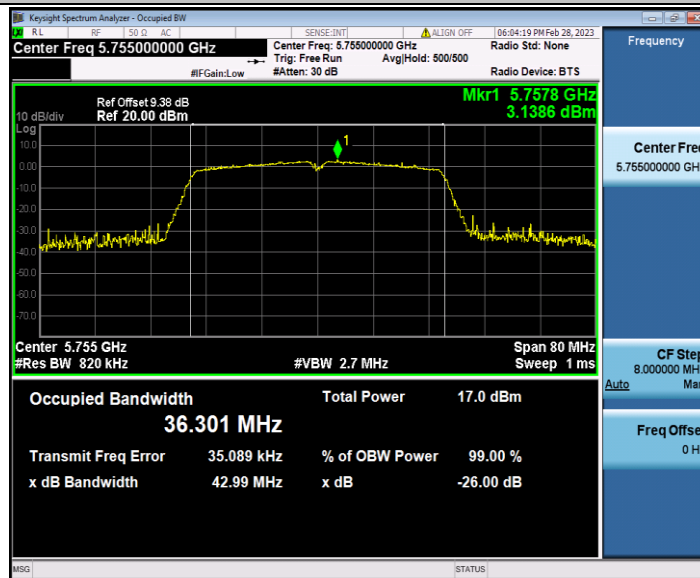
11AC20SISO_Ant1_5785



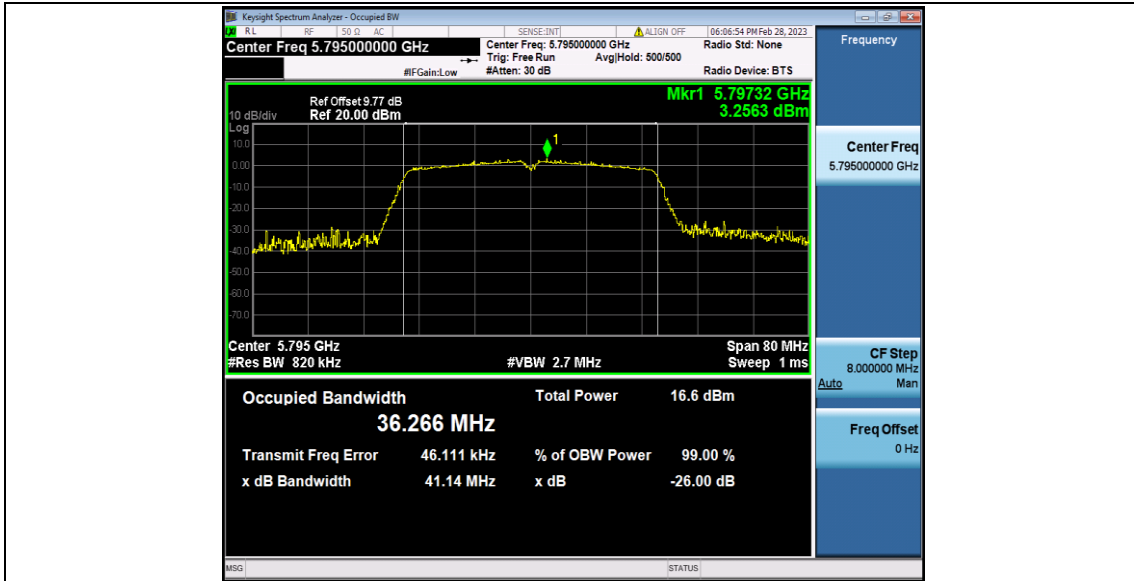
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

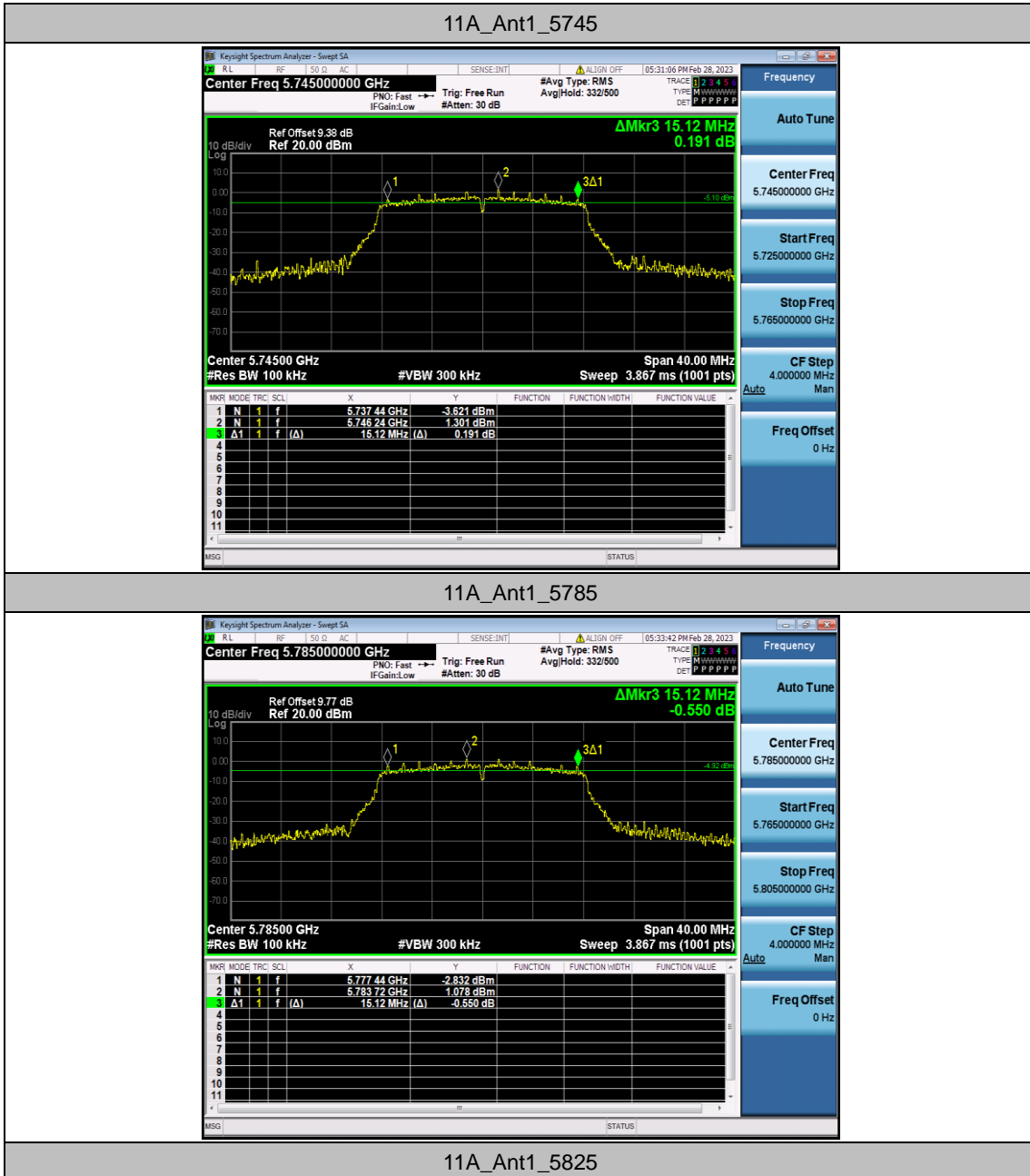


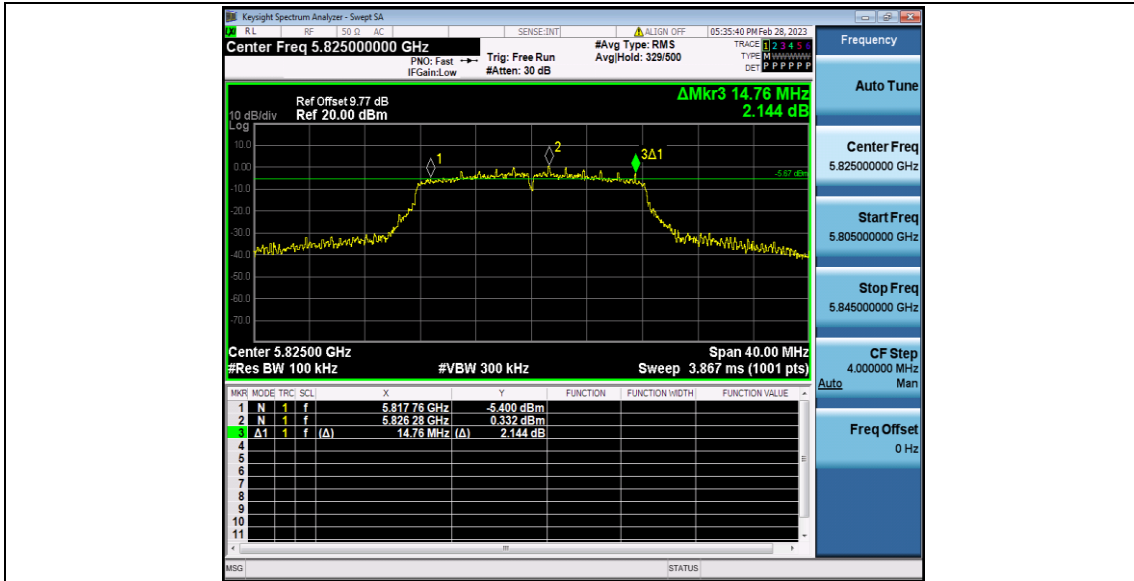
Appendix E.2: Min emission bandwidth

Test Result B4

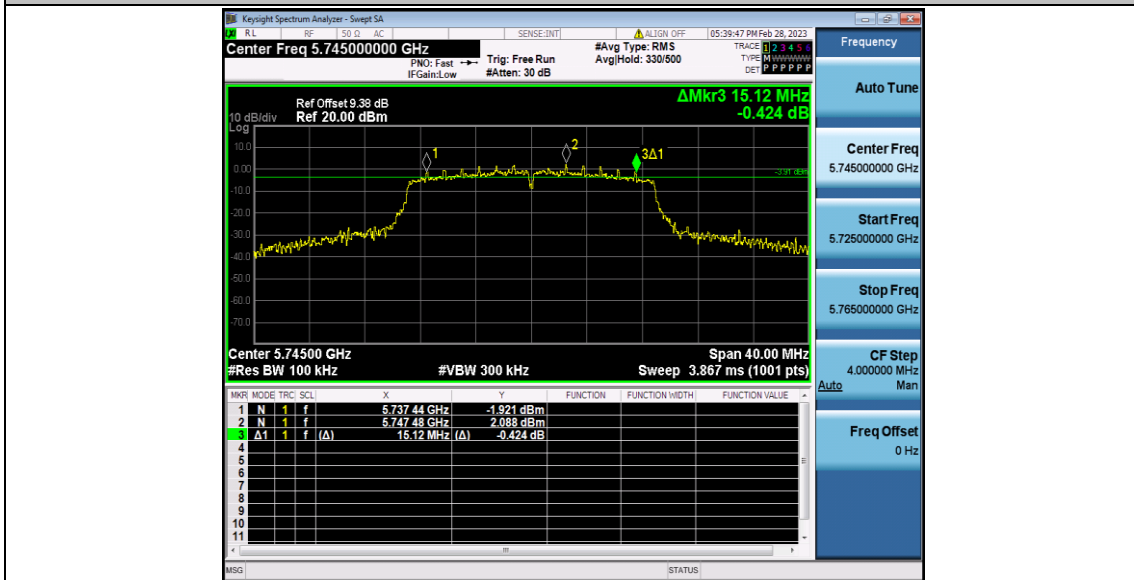
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	14.760	5817.760	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.400	5777.120	5792.520	0.5	PASS
		5825	15.120	5817.440	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	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

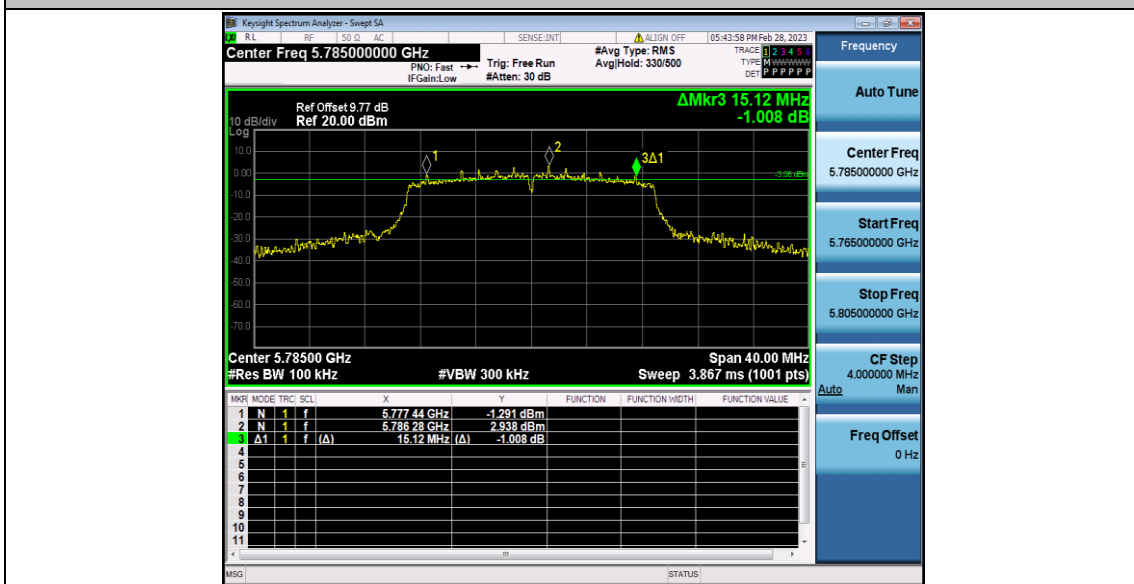




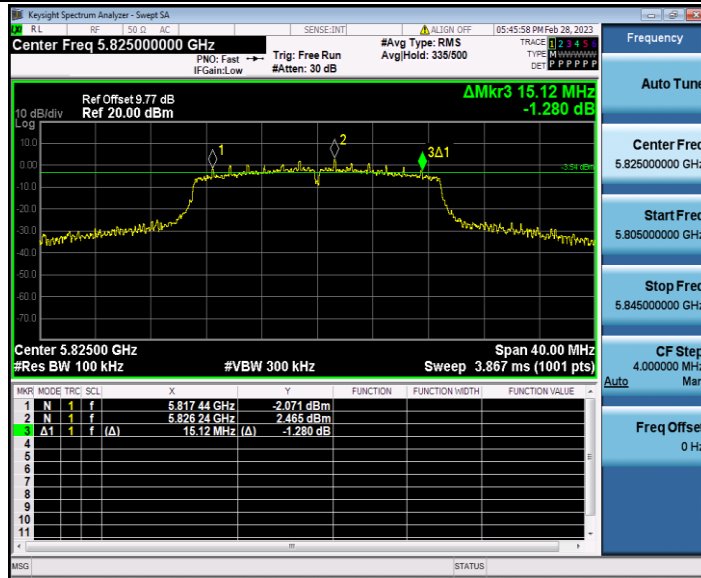
11N20SISO_Ant1_5745



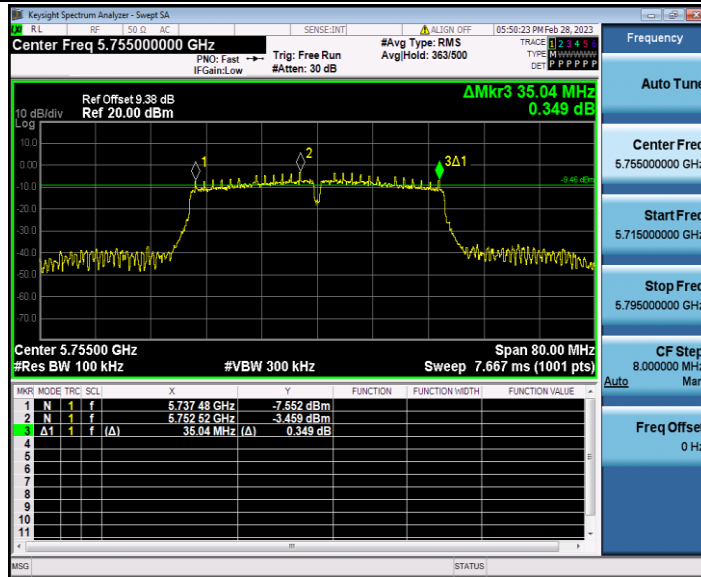
11N20SISO_Ant1_5785



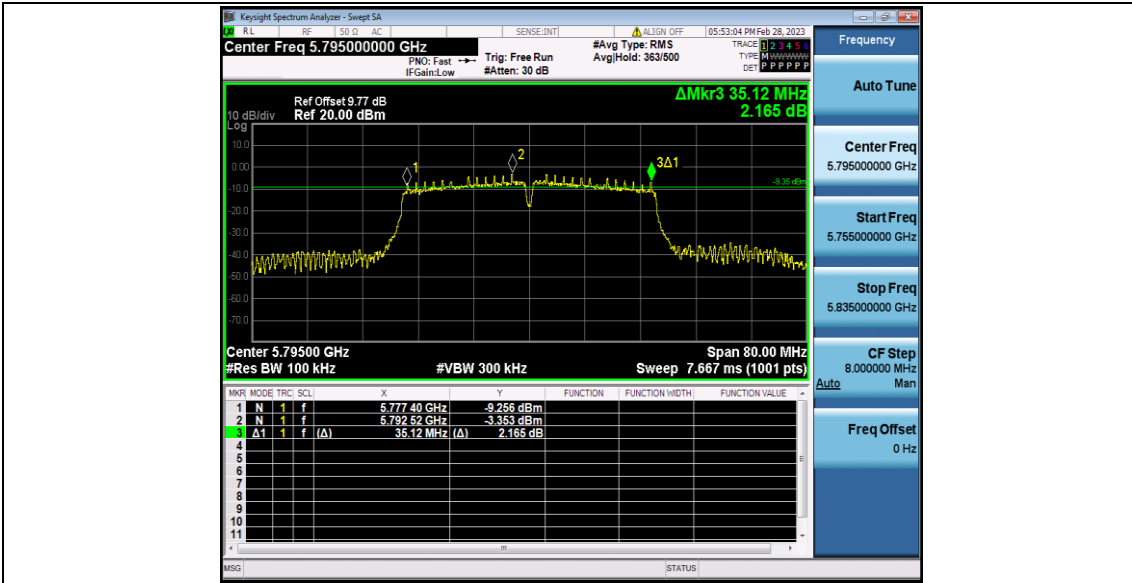
11N20SISO_Ant1_5825



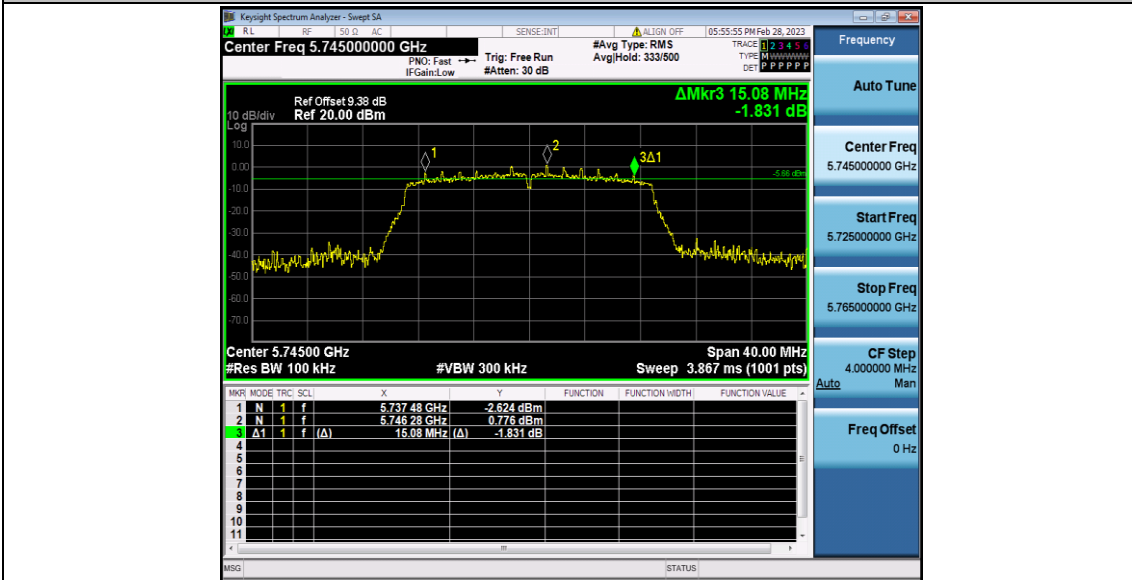
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



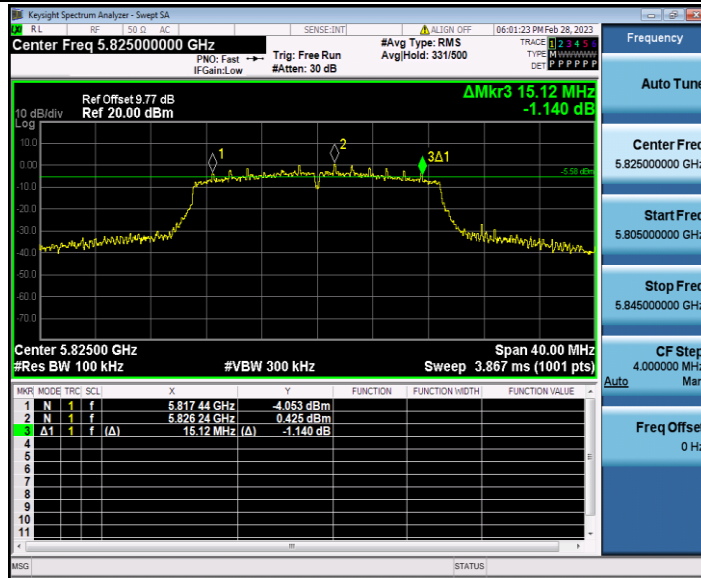
11AC20SISO_Ant1_5745



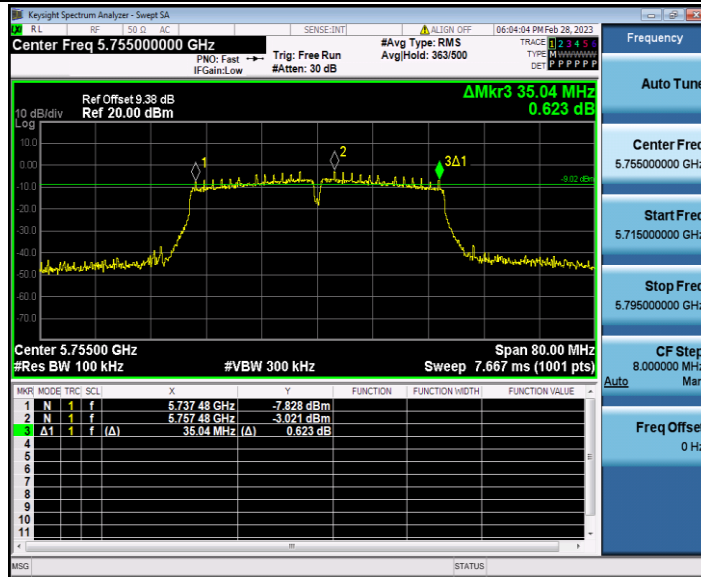
11AC20SISO_Ant1_5785



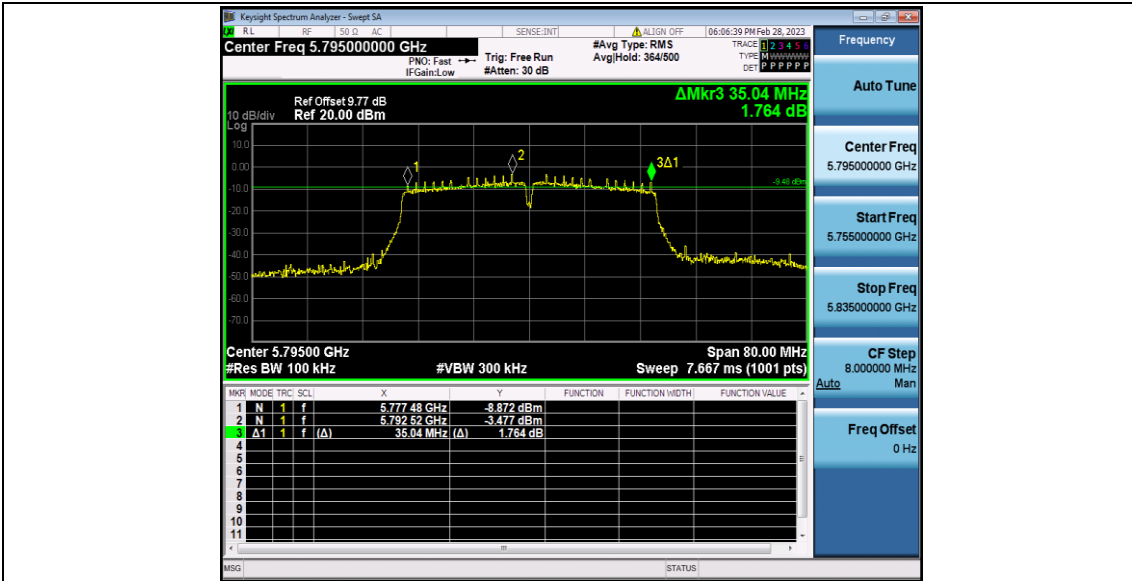
11AC20SISO_Ant1_5825



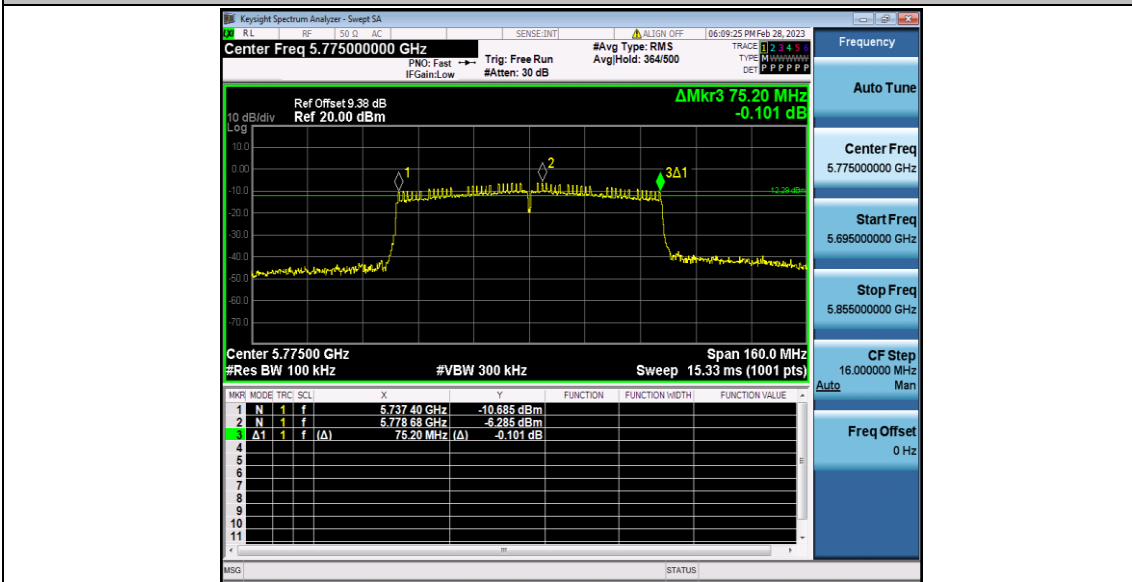
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

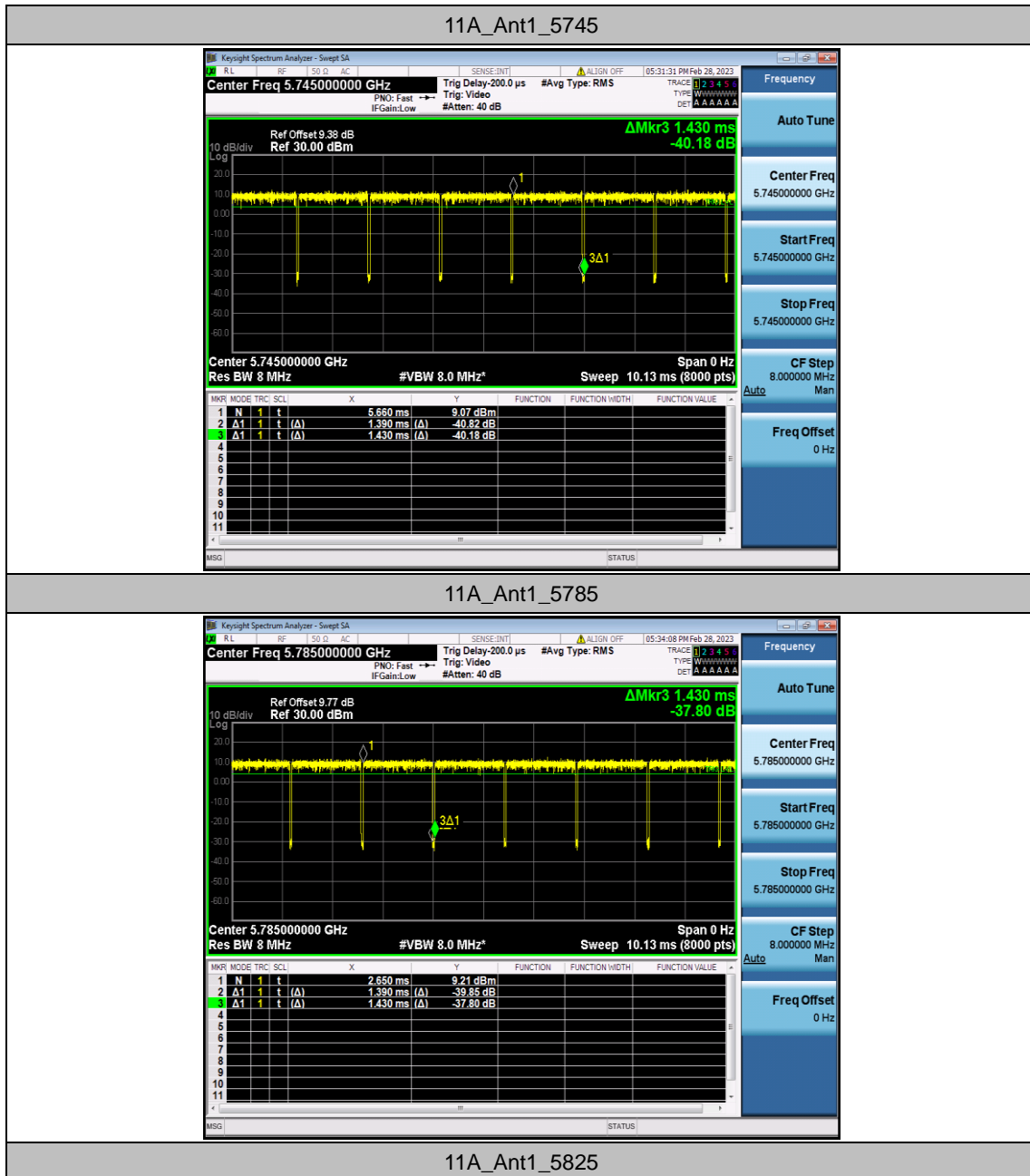


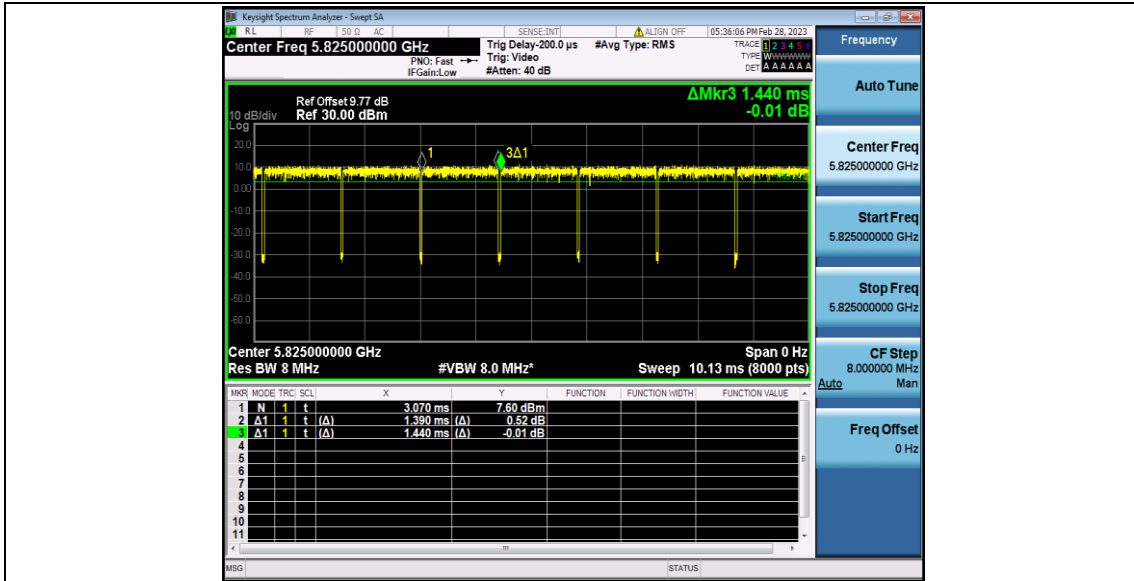
Appendix E.3: Duty Cycle

Test Result

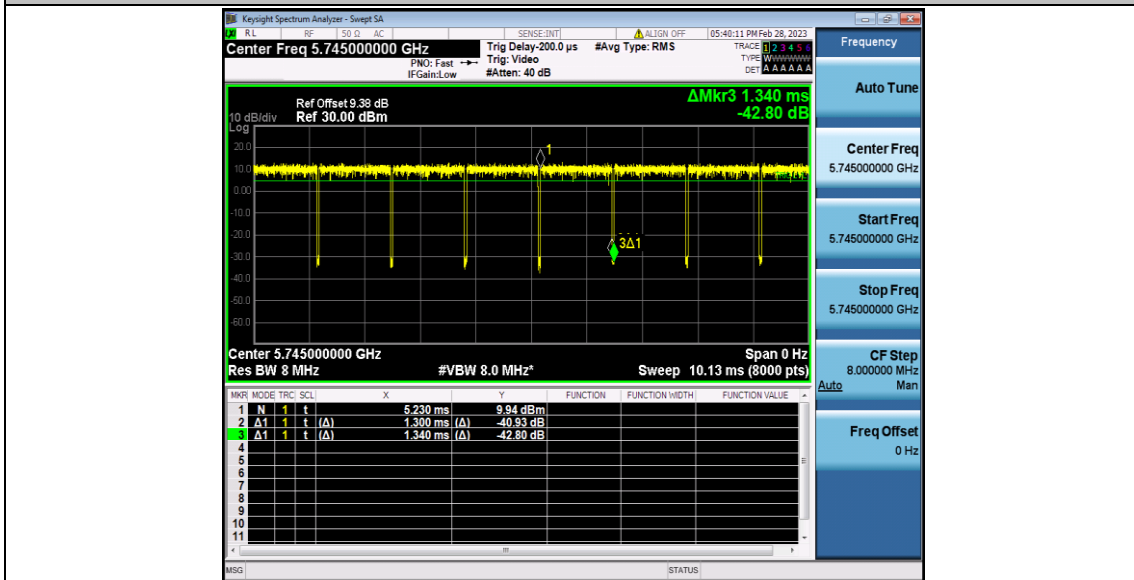
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5745	1.39	1.43	97.20	0.12
		5785	1.39	1.43	97.20	0.12
		5825	1.39	1.44	96.53	0.15
11N20SISO	Ant1	5745	1.30	1.34	97.01	0.13
		5785	1.30	1.34	97.01	0.13
		5825	1.30	1.35	96.30	0.16
11N40SISO	Ant1	5755	0.64	0.69	92.75	0.33
		5795	0.64	0.69	92.75	0.33
11AC20SISO	Ant1	5745	1.31	1.36	96.32	0.16
		5785	1.31	1.35	97.04	0.13
		5825	1.31	1.36	96.32	0.16
11AC40SISO	Ant1	5755	0.66	0.70	94.29	0.26
		5795	0.65	0.70	92.86	0.32
11AC80SISO	Ant1	5775	0.33	0.37	89.19	0.50

Test Graphs

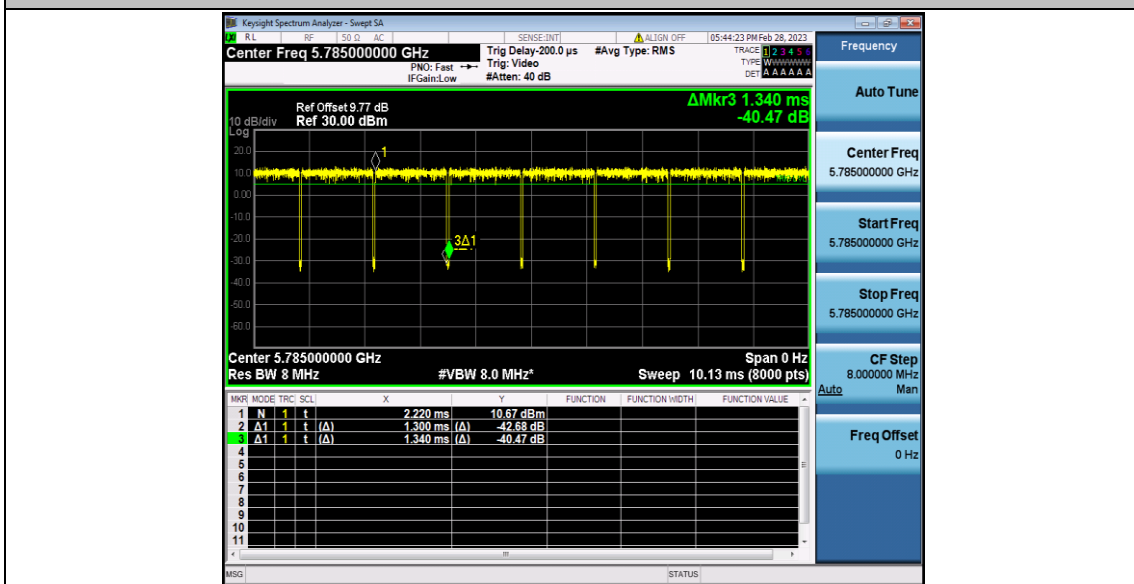




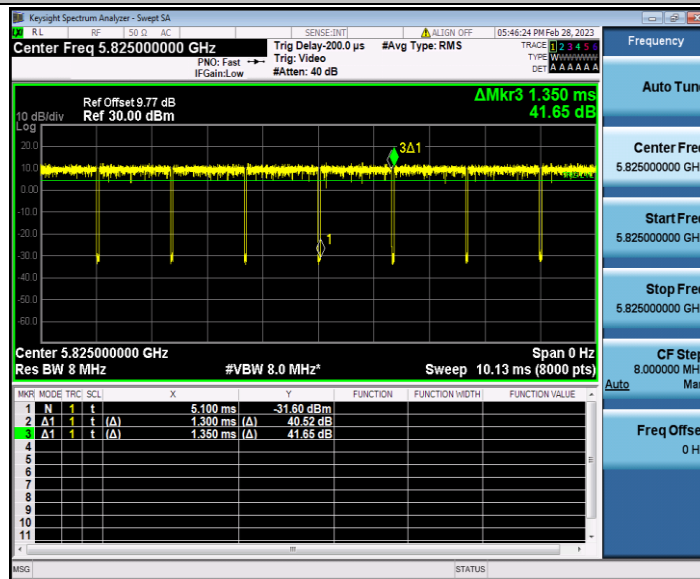
11N20SISO_Ant1_5745



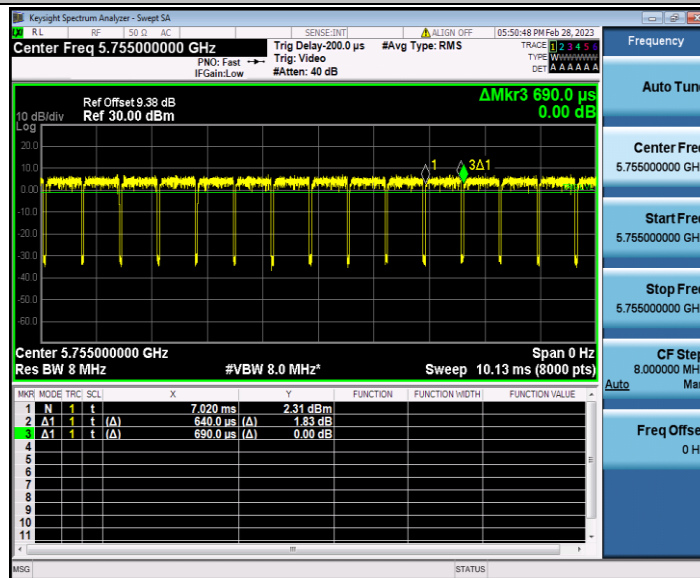
11N20SISO_Ant1_5785



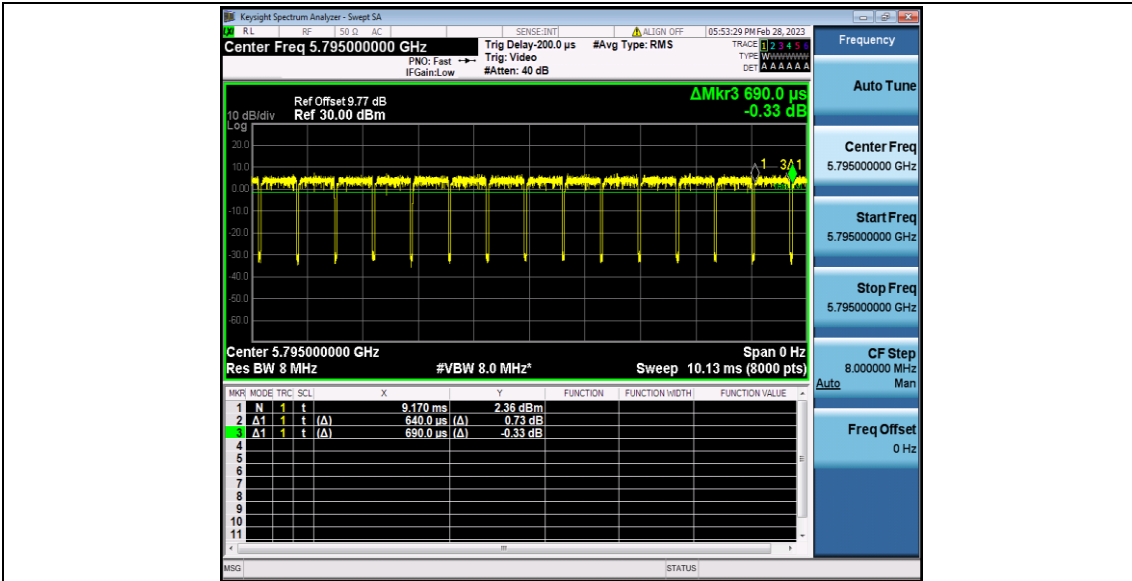
11N20SISO_Ant1_5825



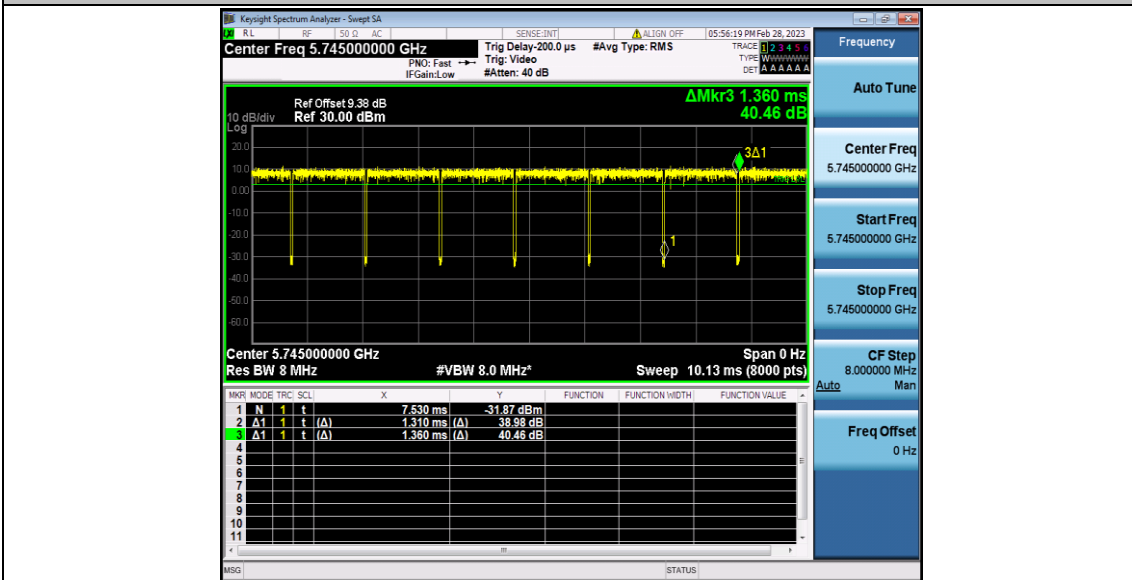
11N40SISO_Ant1_5755



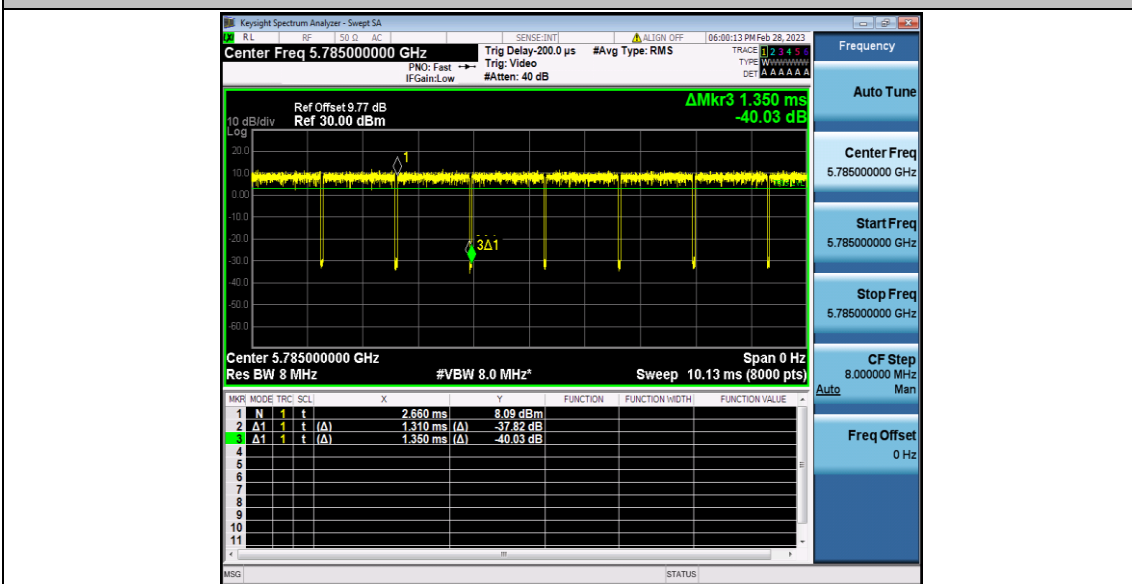
11N40SISO_Ant1_5795



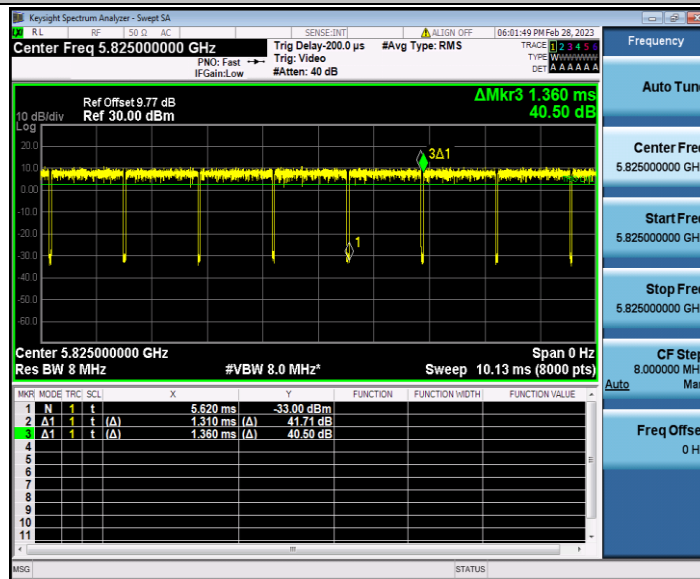
11AC20SISO_Ant1_5745



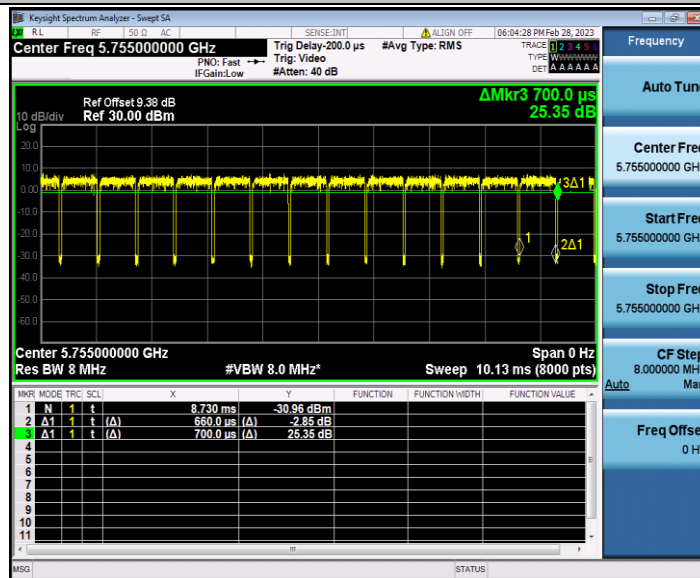
11AC20SISO_Ant1_5785



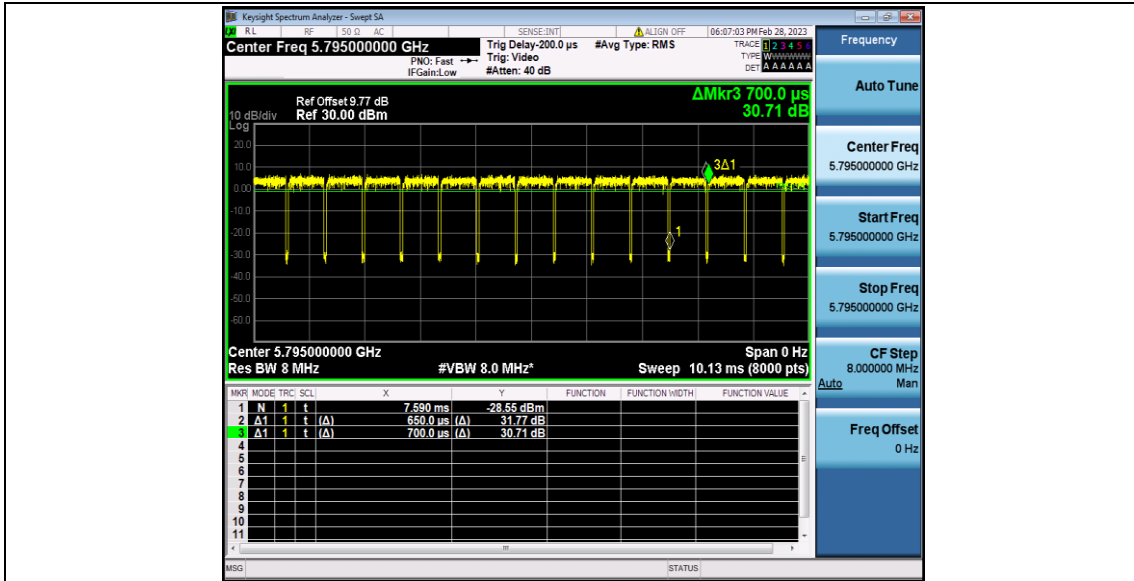
11AC20SISO_Ant1_5825



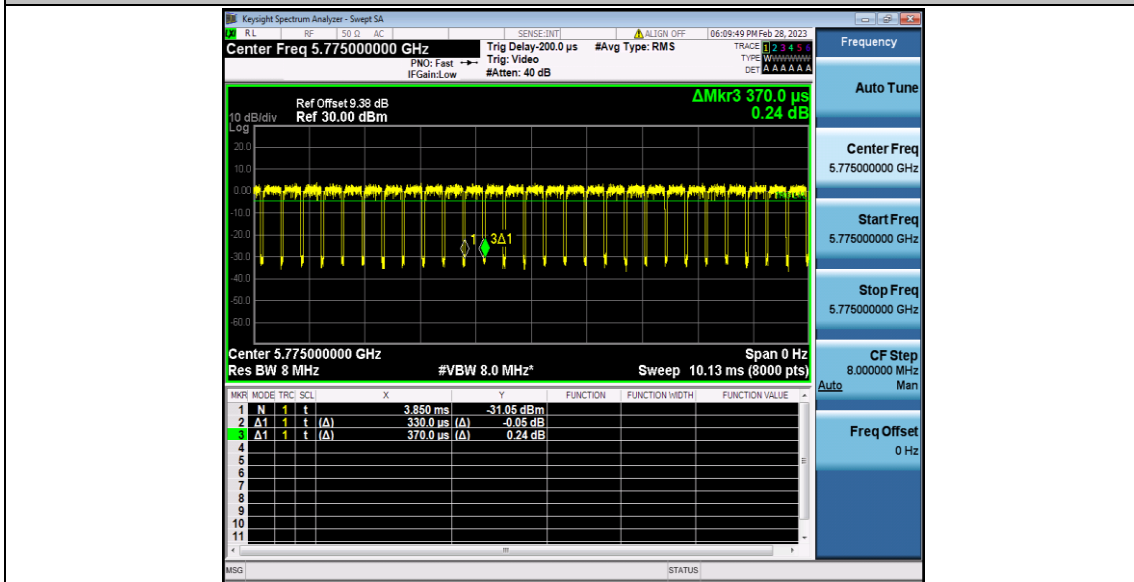
11AC40SISO_Ant1_5755



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	11.24	97.20	0.12	11.36	≤30.00	PASS
		5785	11.36	97.20	0.12	11.48	≤30.00	PASS
		5825	10.44	96.53	0.15	10.59	≤30.00	PASS
11N20SISO	Ant1	5745	12.42	97.01	0.13	12.55	≤30.00	PASS
		5785	12.56	97.01	0.13	12.69	≤30.00	PASS
		5825	11.95	96.30	0.16	12.11	≤30.00	PASS
11N40SISO	Ant1	5755	9.13	92.75	0.33	9.46	≤30.00	PASS
		5795	9.15	92.75	0.33	9.48	≤30.00	PASS
11AC20SIS O	Ant1	5745	10.66	96.32	0.16	10.82	≤30.00	PASS
		5785	10.62	97.04	0.13	10.75	≤30.00	PASS
		5825	10.15	96.32	0.16	10.31	≤30.00	PASS
11AC40SIS O	Ant1	5755	9.32	94.29	0.26	9.58	≤30.00	PASS
		5795	8.96	92.86	0.32	9.28	≤30.00	PASS
11AC80SIS O	Ant1	5775	9.02	89.19	0.50	9.52	≤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	-1.84	≤30.00	PASS
		5785	-1.69	≤30.00	PASS
		5825	-2.51	≤30.00	PASS
11N20SISO	Ant1	5745	-0.86	≤30.00	PASS
		5785	-0.69	≤30.00	PASS
		5825	-1.31	≤30.00	PASS
11N40SISO	Ant1	5755	-6.71	≤30.00	PASS
		5795	-6.86	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.6	≤30.00	PASS
		5785	-2.42	≤30.00	PASS
		5825	-2.8	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.68	≤30.00	PASS
		5795	-6.77	≤30.00	PASS
11AC80SISO	Ant1	5775	-10.02	≤30.00	PASS

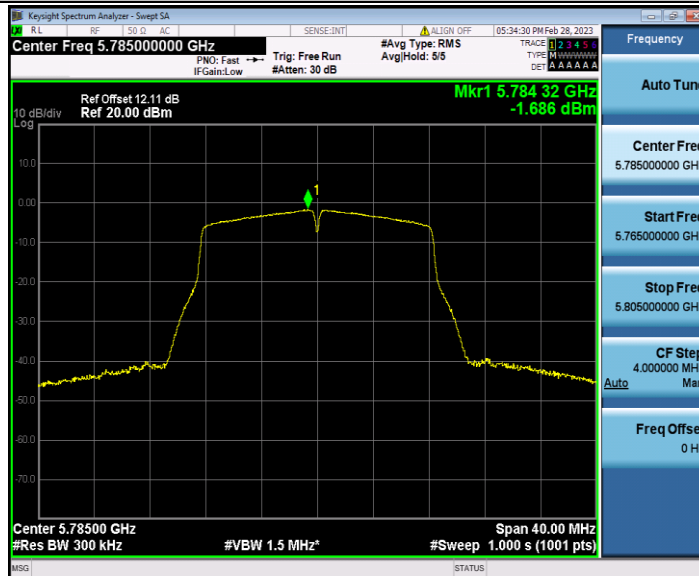
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



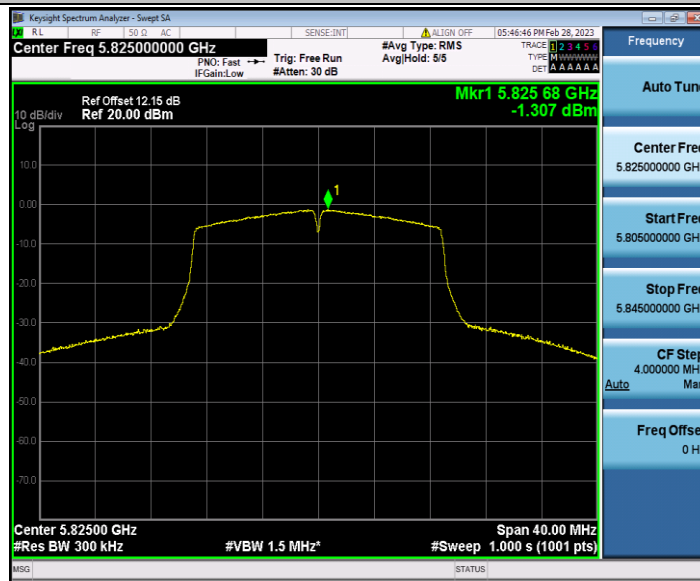
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

