

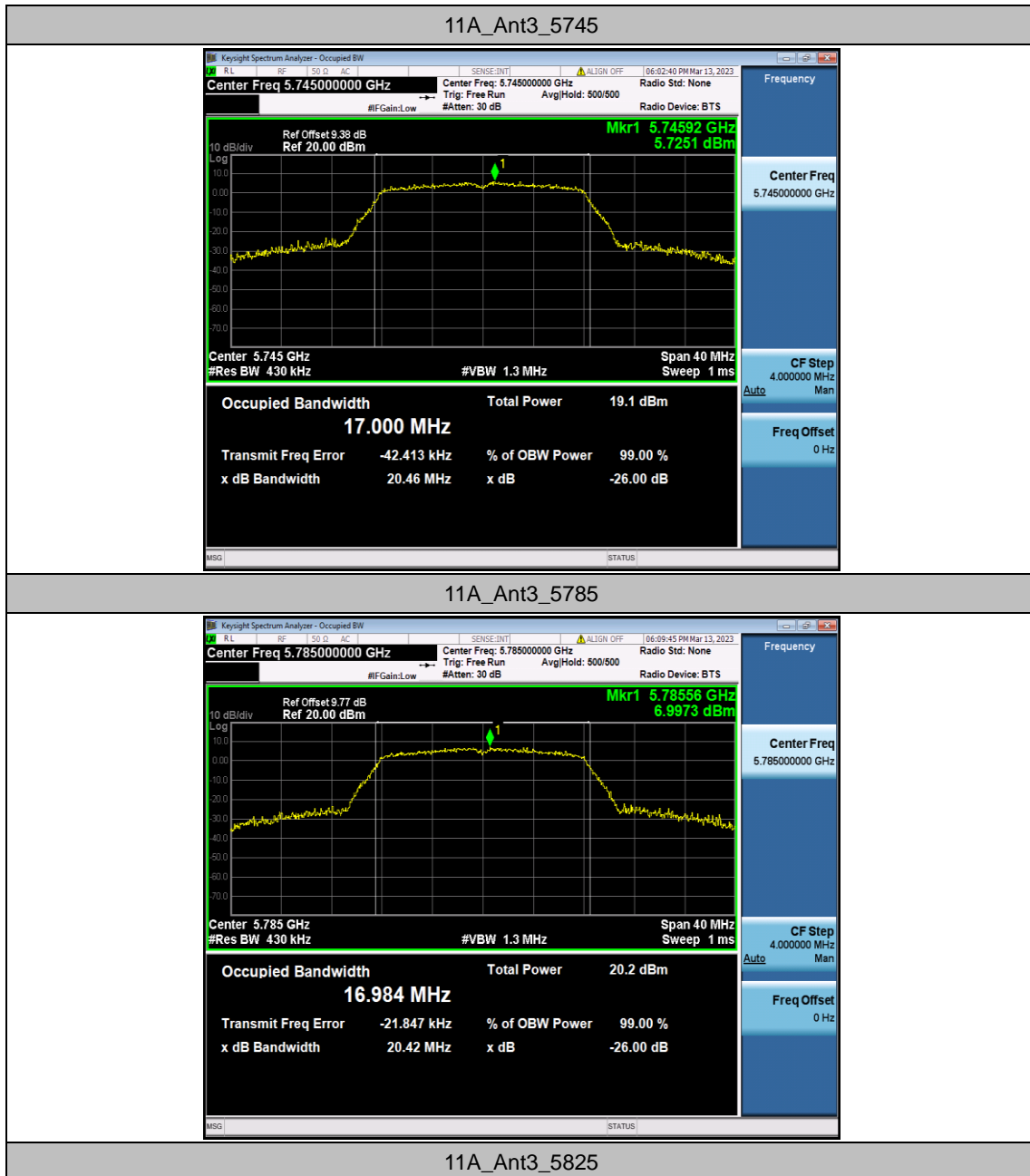
Case No. : <u>GTS20221227001-1-2</u>
Ambient Condition: <u>22</u> °C, <u>52</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.13</u> Test Engineer: <u>Jenny zeng</u>

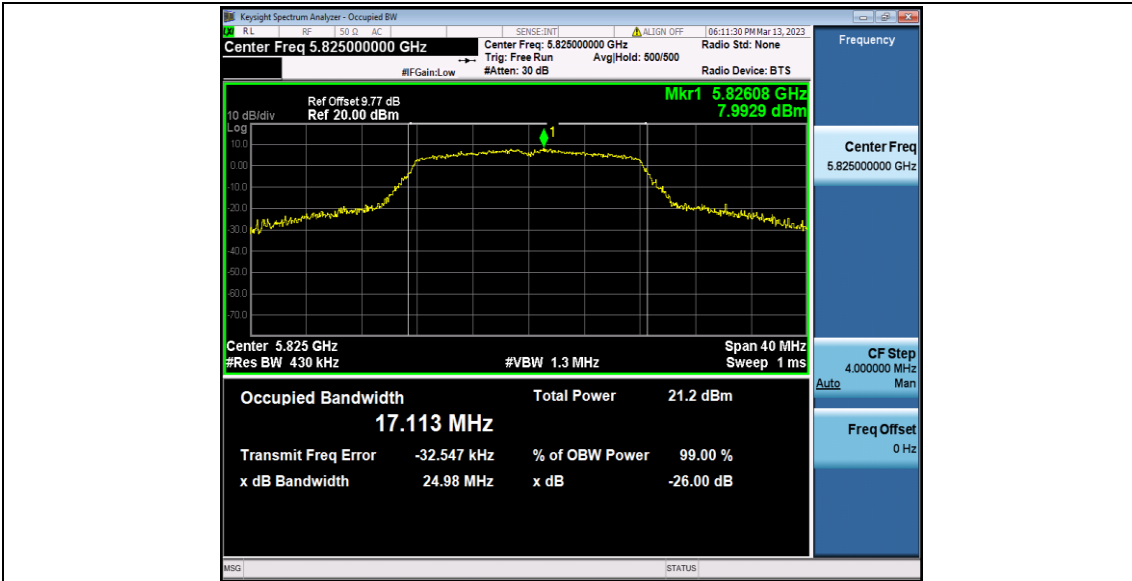
Appendix C.1: Occupied channel bandwidth

Test Result

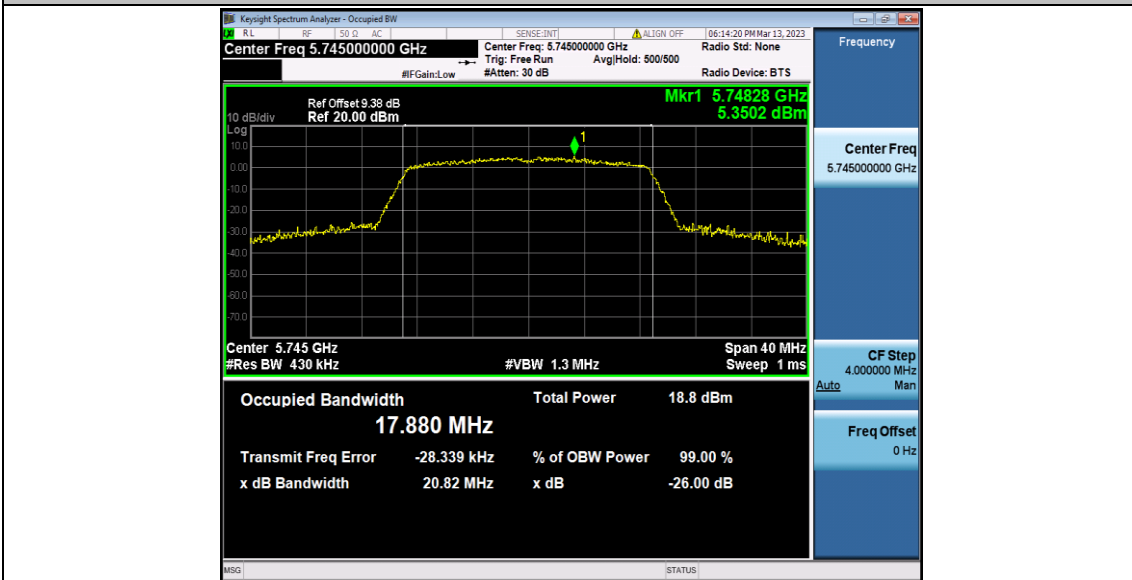
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	17.000	5736.458	5753.458	---	---
		5785	16.984	5776.486	5793.470	---	---
		5825	17.113	5816.411	5833.524	---	---
11N20SISO	Ant3	5745	17.880	5736.032	5753.912	---	---
		5785	17.875	5776.022	5793.897	---	---
		5825	17.947	5815.983	5833.930	---	---
11N40SISO	Ant3	5755	36.379	5736.805	5773.184	---	---
		5795	36.361	5776.845	5813.206	---	---
11AC20SISO	Ant3	5745	17.880	5736.032	5753.912	---	---
		5785	17.889	5776.007	5793.896	---	---
		5825	17.938	5815.981	5833.919	---	---
11AC40SISO	Ant3	5755	36.437	5736.771	5773.208	---	---
		5795	36.437	5776.773	5813.210	---	---
11AC80SISO	Ant3	5775	75.424	5737.355	5812.779	---	---

Test Graphs

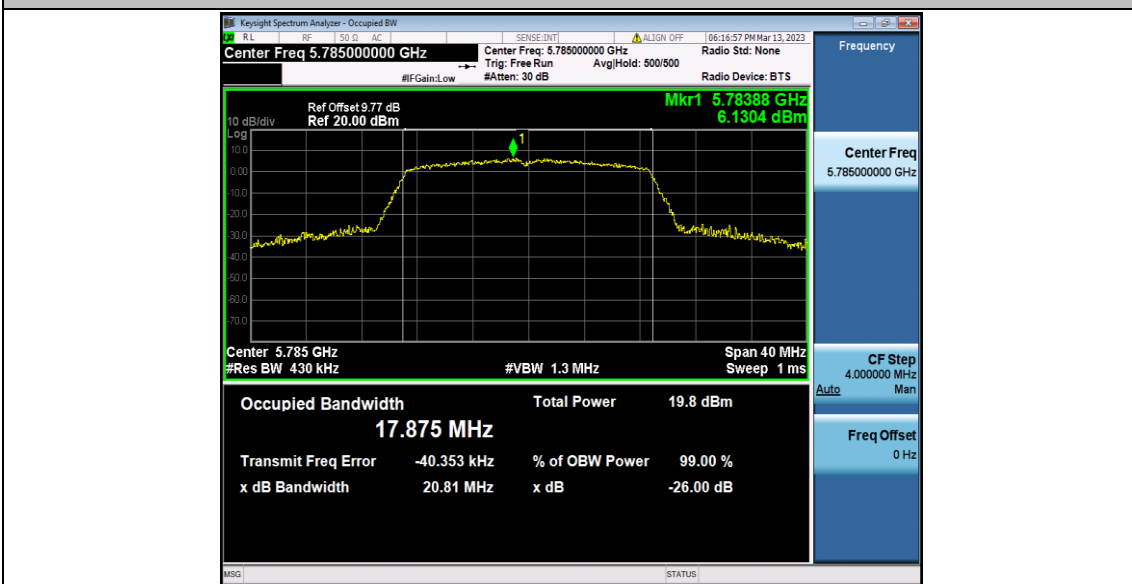




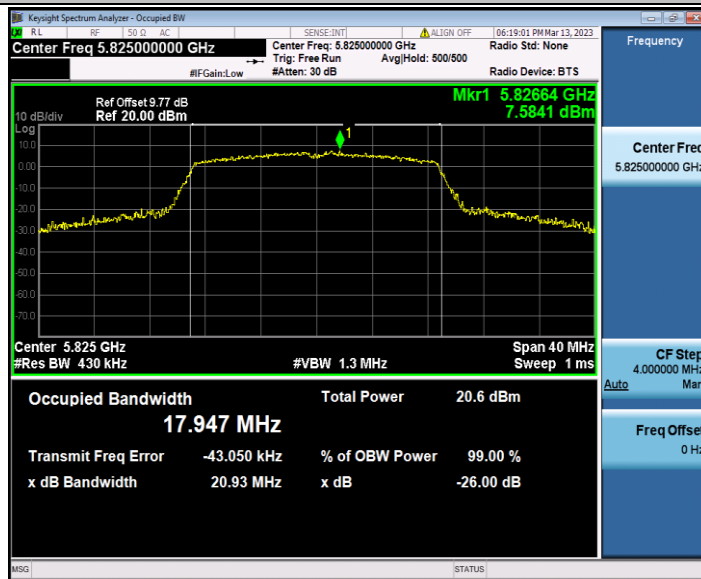
11N20SISO_Ant3_5745



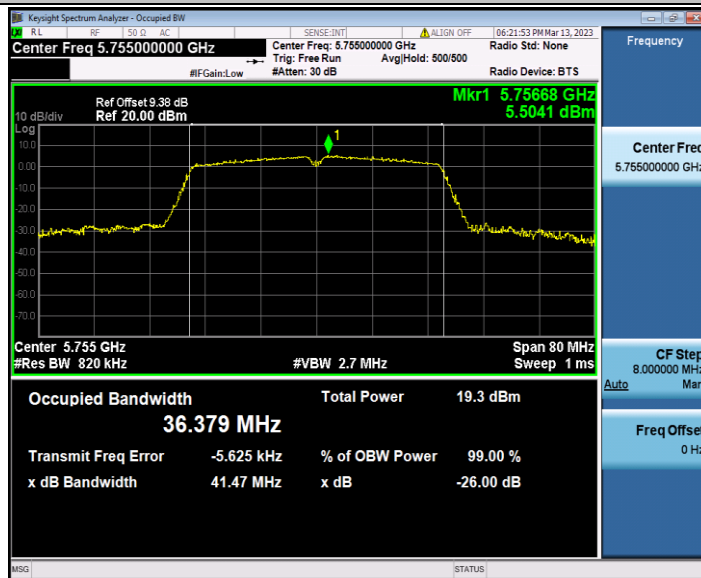
11N20SISO_Ant3_5785



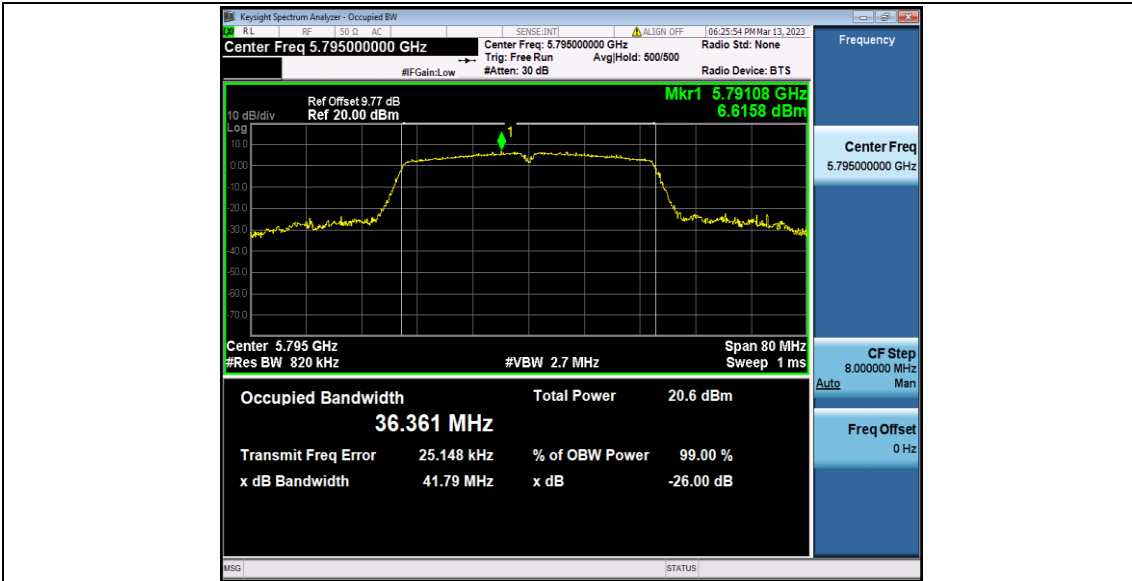
11N20SISO_Ant3_5825



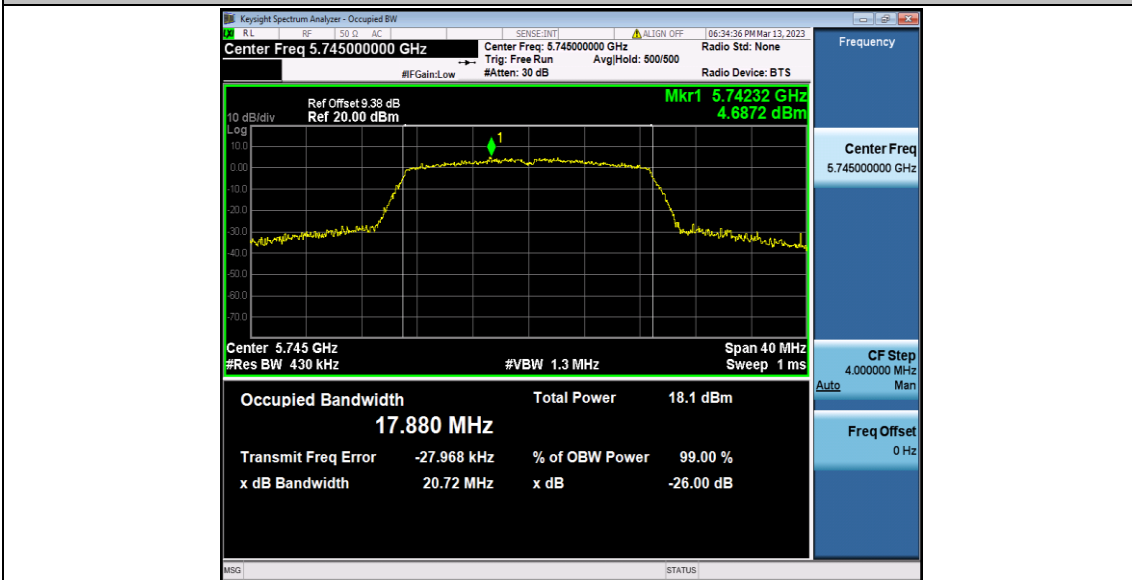
11N40SISO_Ant3_5755



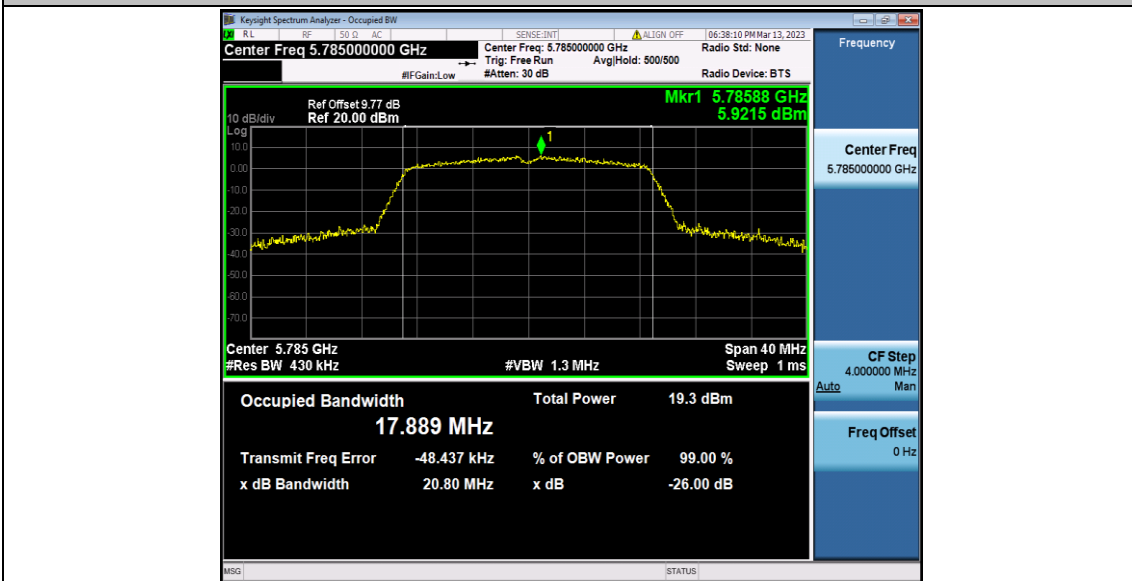
11N40SISO_Ant3_5795



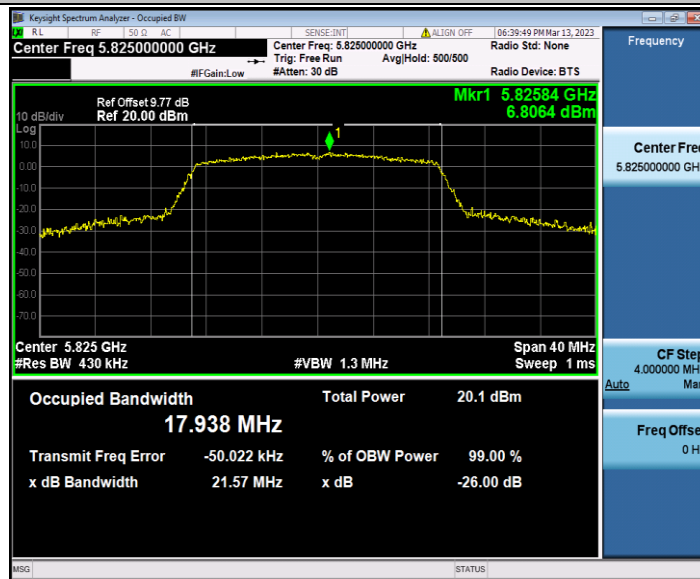
11AC20SISO_Ant3_5745



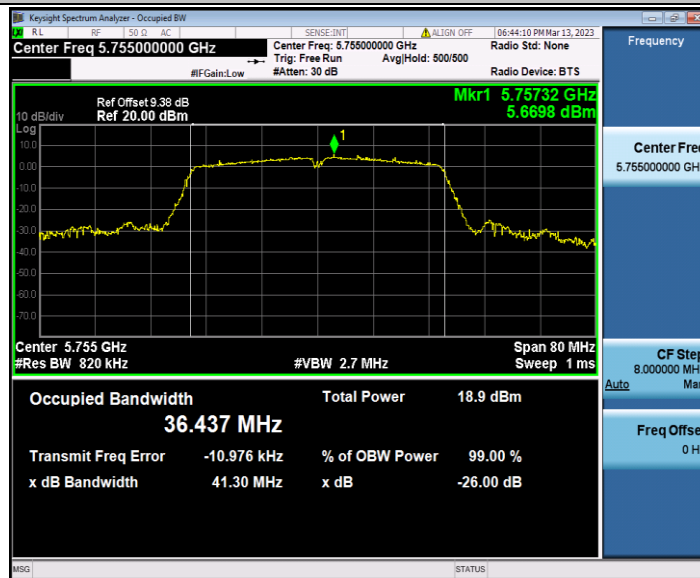
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



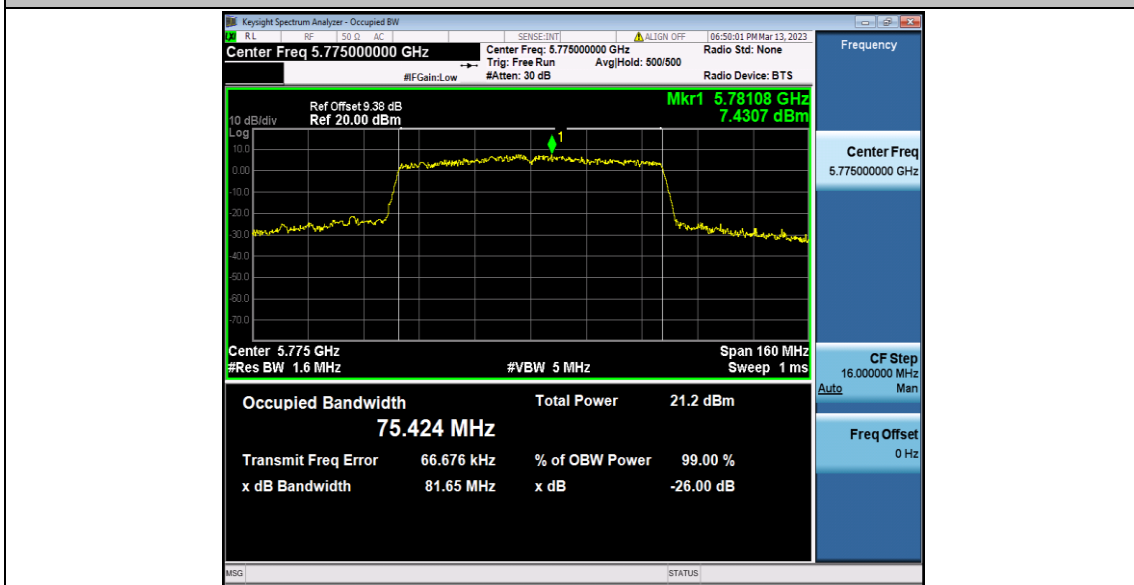
11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775

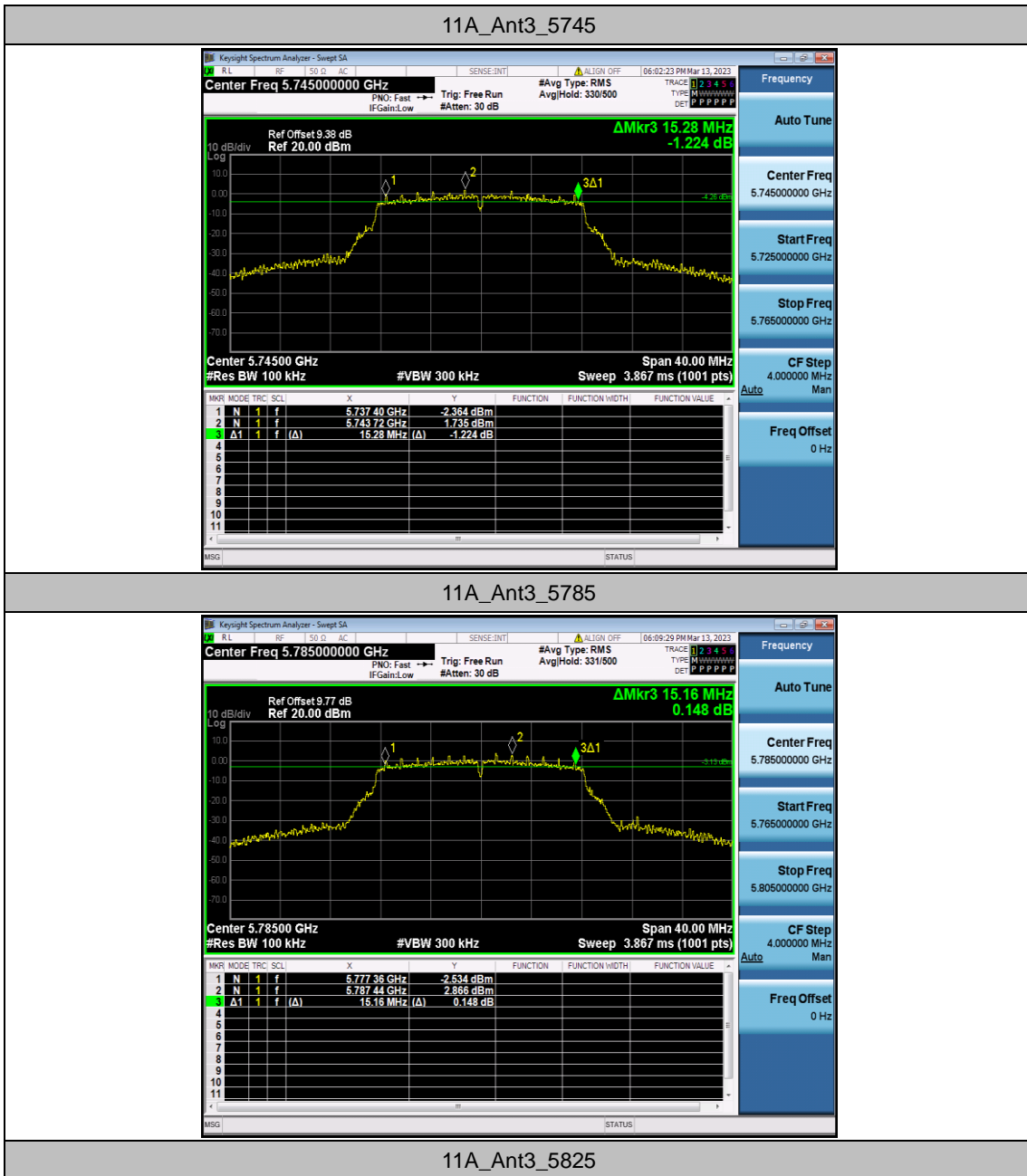


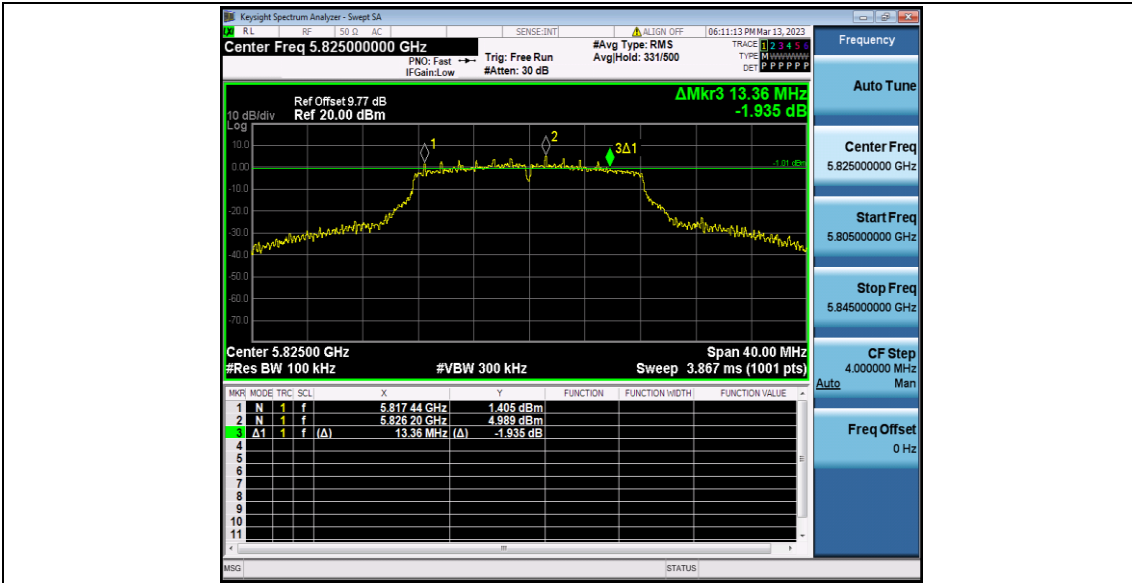
Appendix C.2: Min emission bandwidth

Test Result B4

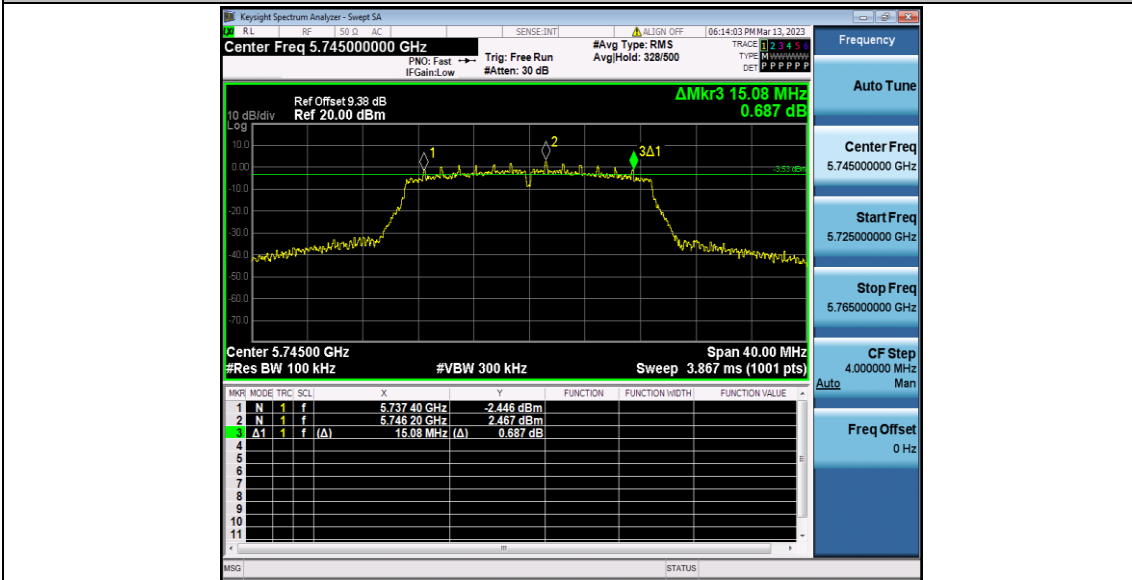
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	15.280	5737.400	5752.680	0.5	PASS
		5785	15.160	5777.360	5792.520	0.5	PASS
		5825	13.360	5817.440	5830.800	0.5	PASS
11N20SISO	Ant3	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	15.040	5777.440	5792.480	0.5	PASS
		5825	15.040	5817.400	5832.440	0.5	PASS
11N40SISO	Ant3	5755	35.040	5737.400	5772.440	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant3	5745	15.120	5737.400	5752.520	0.5	PASS
		5785	15.080	5777.400	5792.480	0.5	PASS
		5825	15.080	5817.400	5832.480	0.5	PASS
11AC40SISO	Ant3	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80SISO	Ant3	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

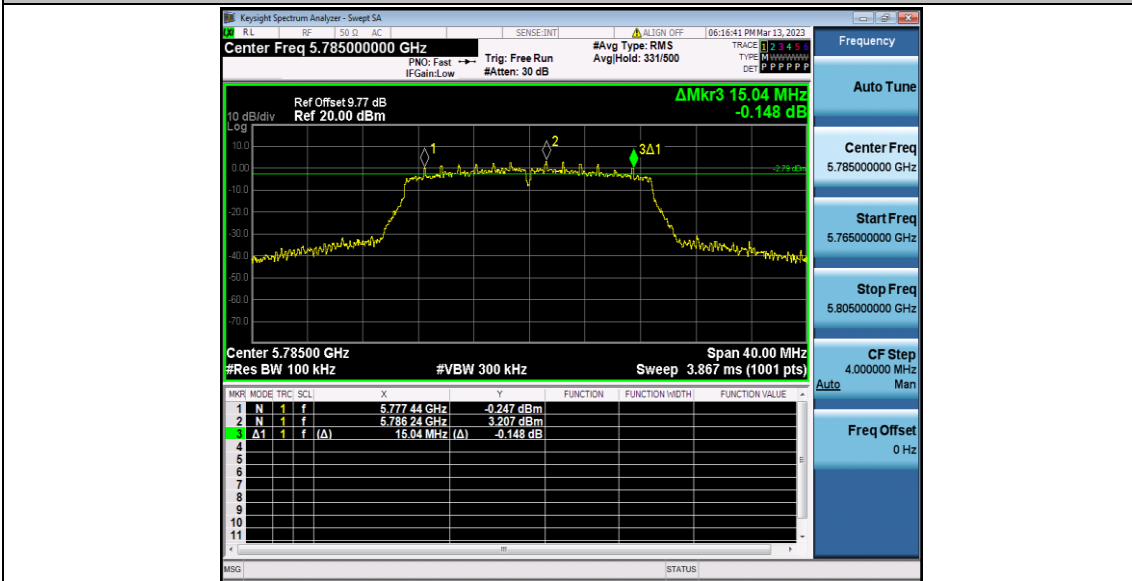




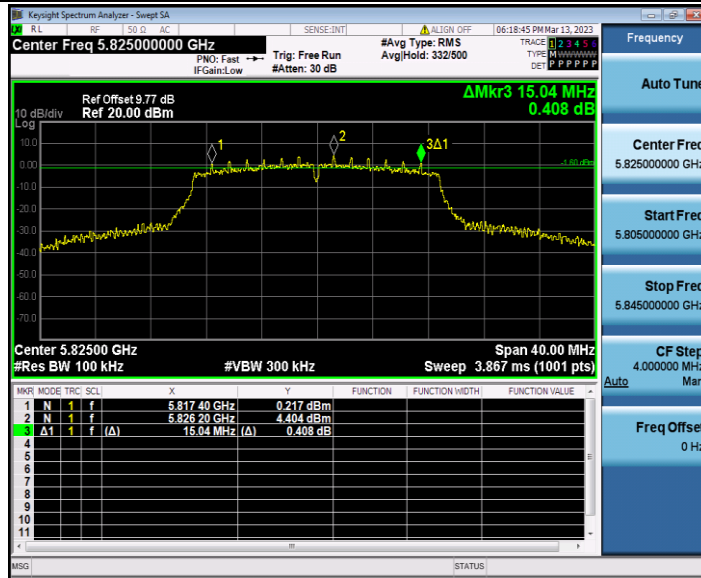
11N20SISO_Ant3_5745



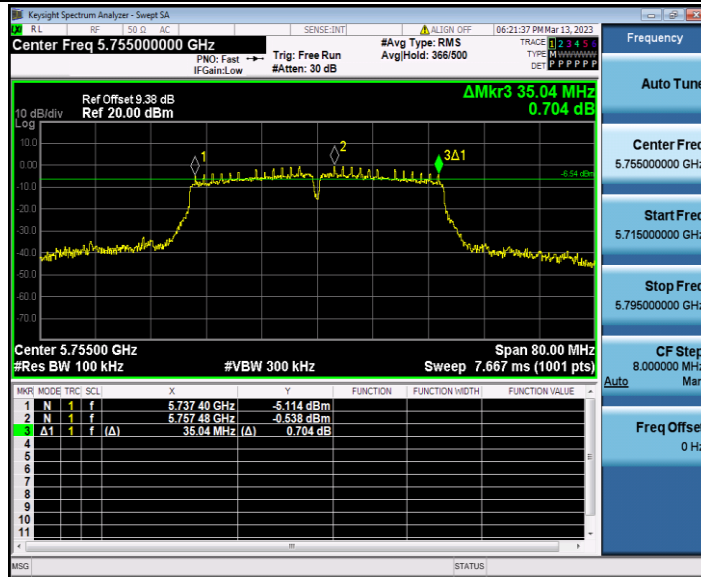
11N20SISO_Ant3_5785



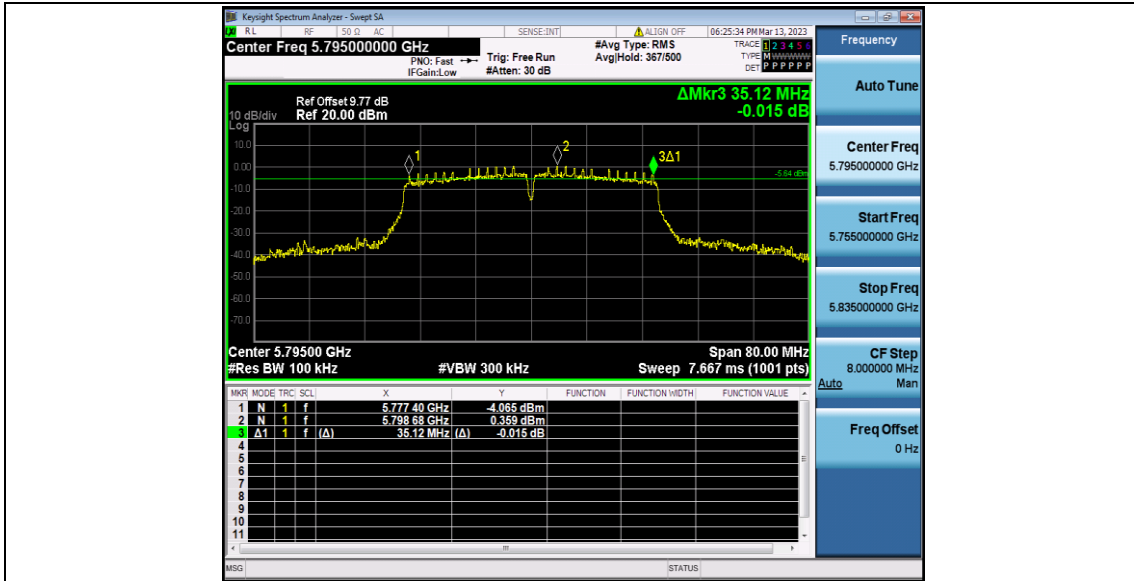
11N20SISO_Ant3_5825



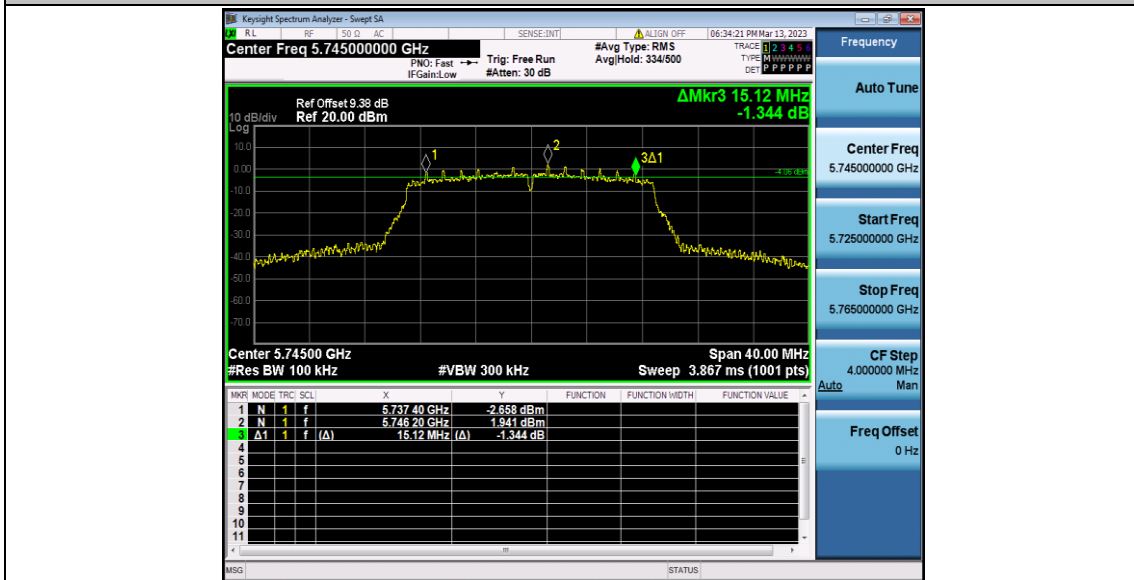
11N40SISO_Ant3_5755



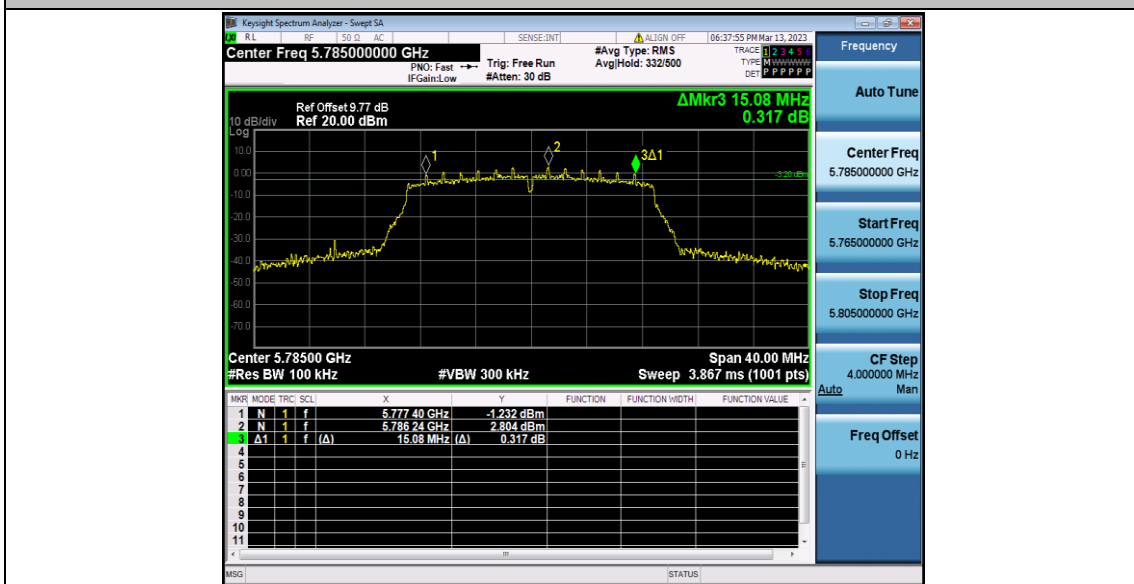
11N40SISO_Ant3_5795



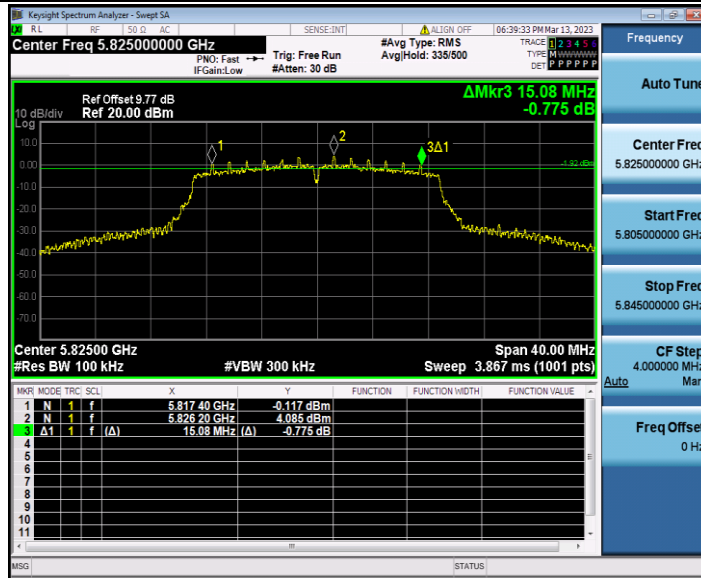
11AC20SISO_Ant3_5745



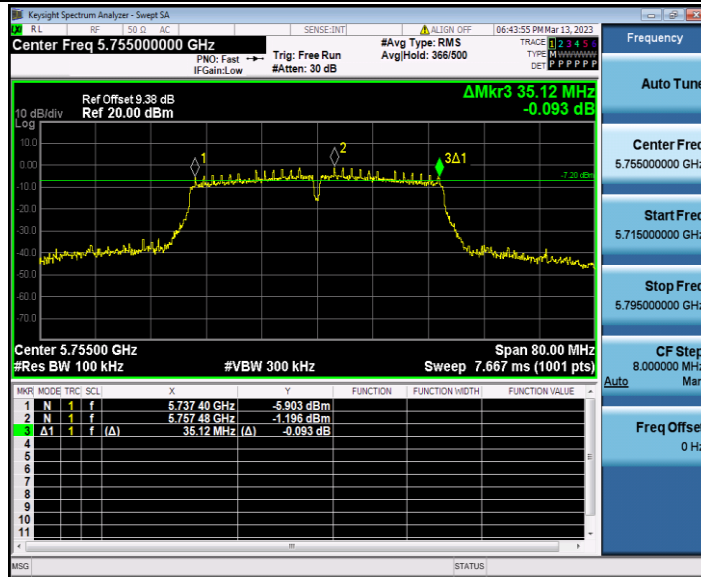
11AC20SISO_Ant3_5785



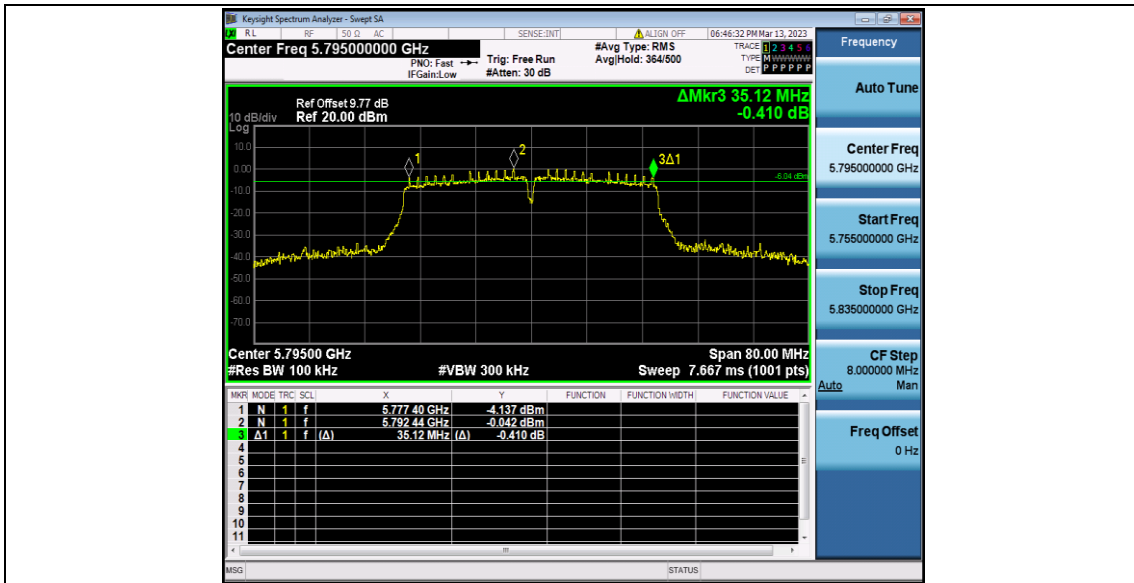
11AC20SISO_Ant3_5825



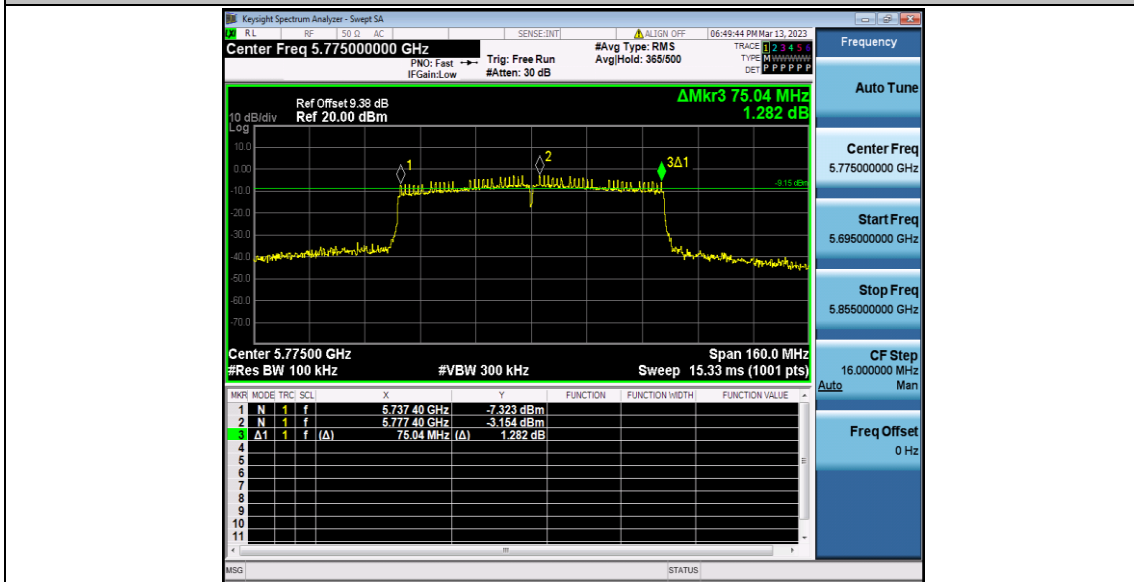
11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775

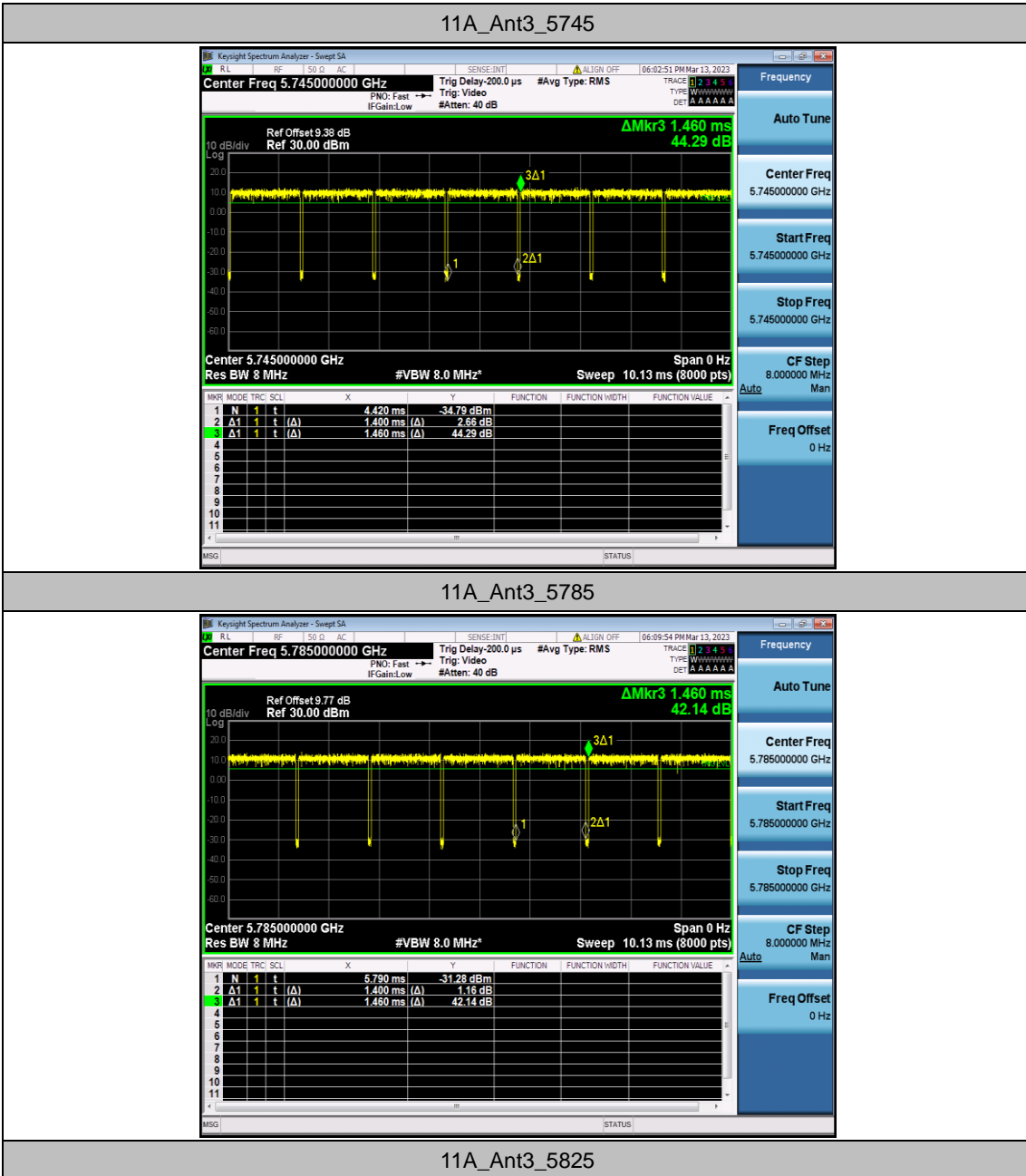


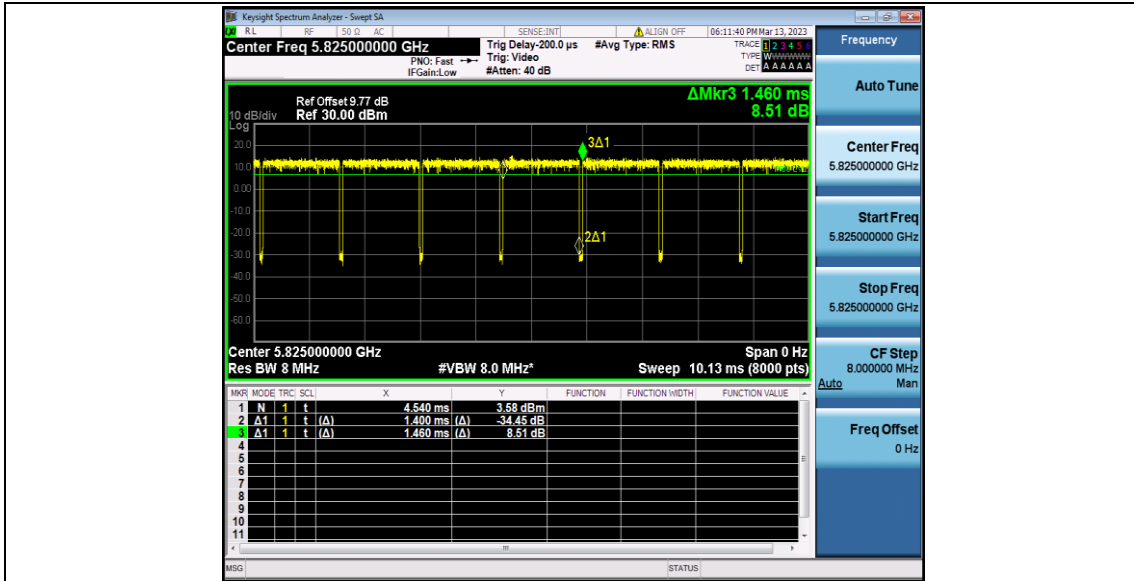
Appendix C.3: Duty Cycle

Test Result

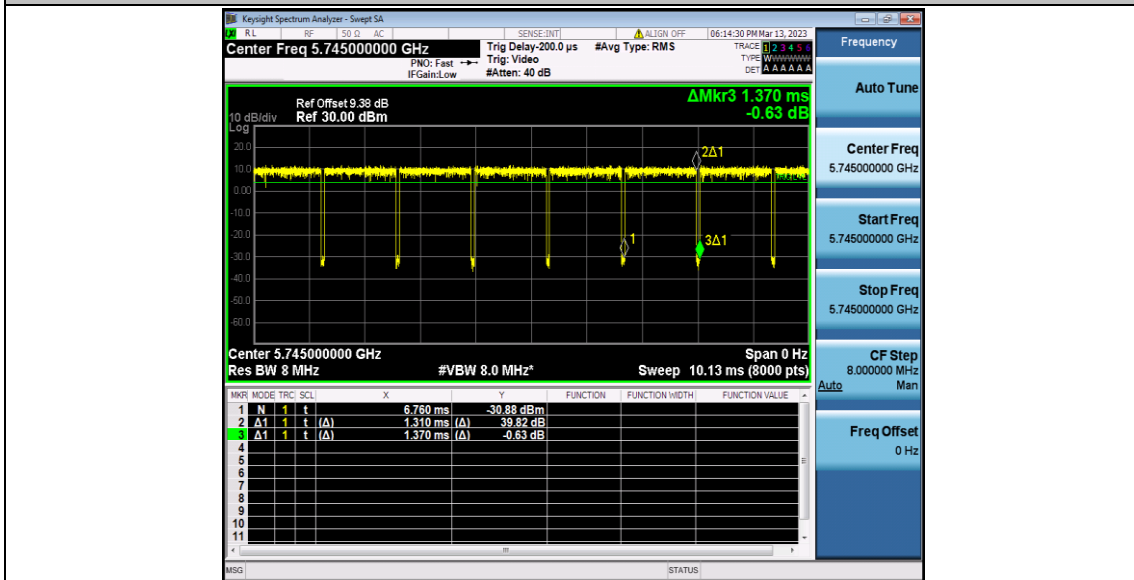
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant3	5745	1.40	1.46	95.89
		5785	1.40	1.46	95.89
		5825	1.40	1.46	95.89
11N20SISO	Ant3	5745	1.31	1.37	95.62
		5785	1.31	1.37	95.62
		5825	1.31	1.37	95.62
11N40SISO	Ant3	5755	0.65	0.71	91.55
		5795	0.65	0.71	91.55
11AC20SISO	Ant3	5745	0.68	0.74	91.89
		5785	0.68	0.74	91.89
		5825	0.68	0.74	91.89
11AC40SISO	Ant3	5755	0.35	0.41	85.37
		5795	0.35	0.42	83.33
11AC80SISO	Ant3	5775	0.19	0.25	76.00

Test Graphs

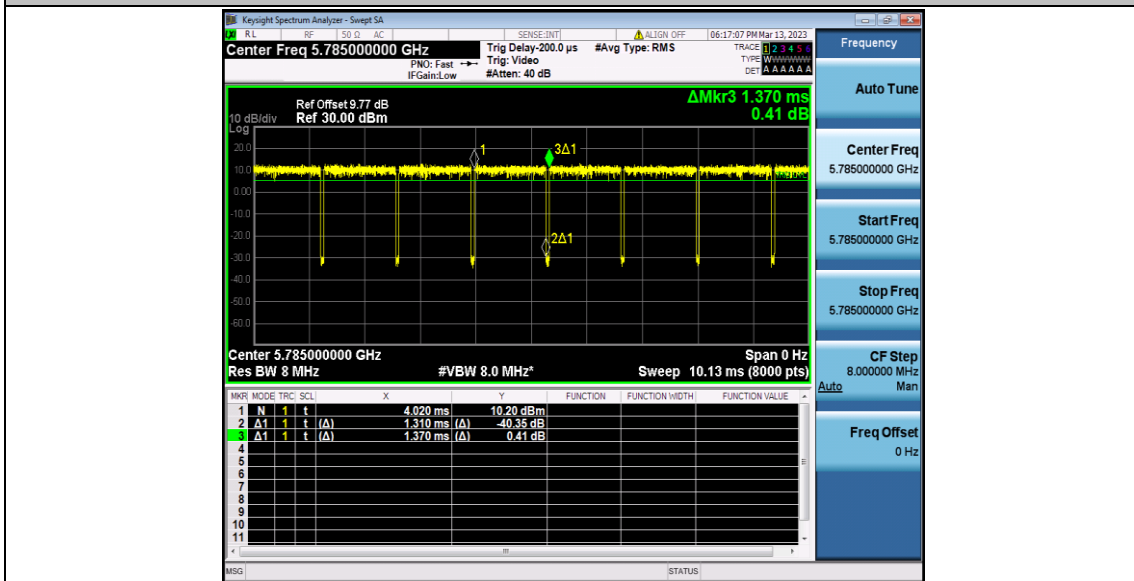




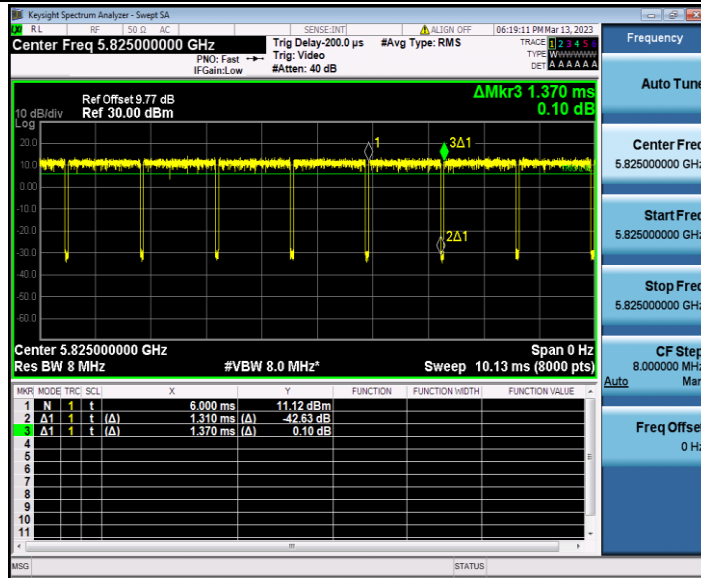
11N20SISO_Ant3_5745



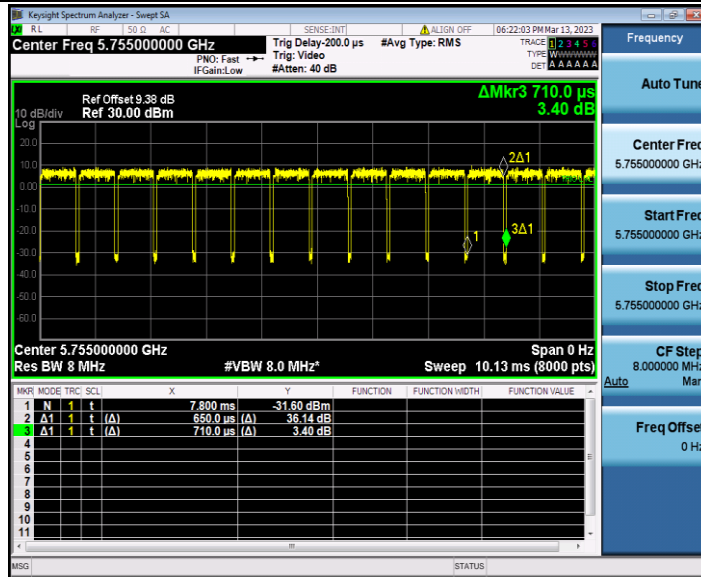
11N20SISO_Ant3_5785



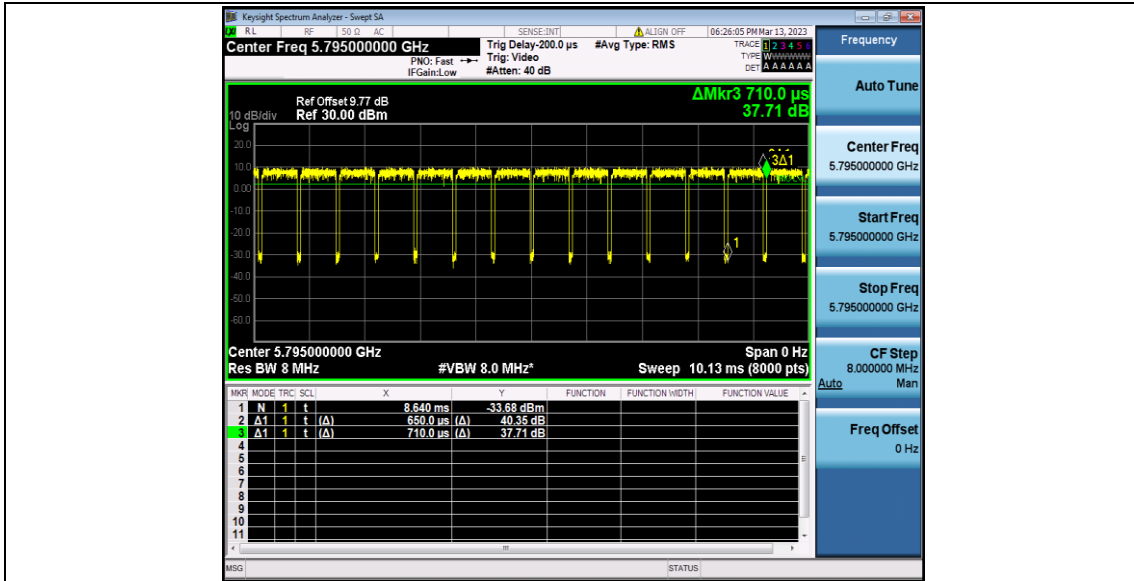
11N20SISO_Ant3_5825



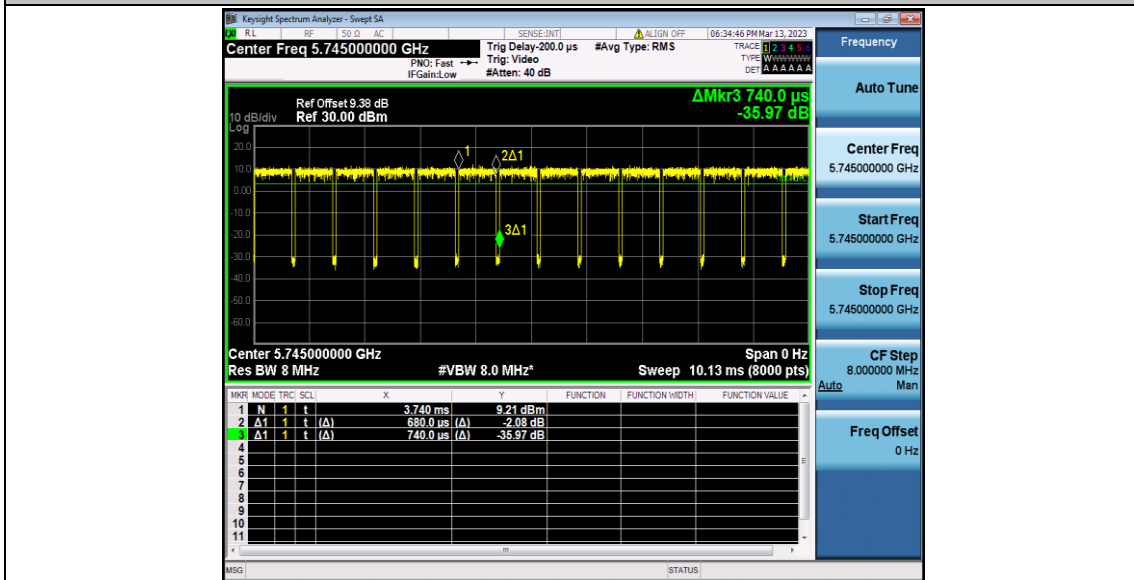
11N40SISO_Ant3_5755



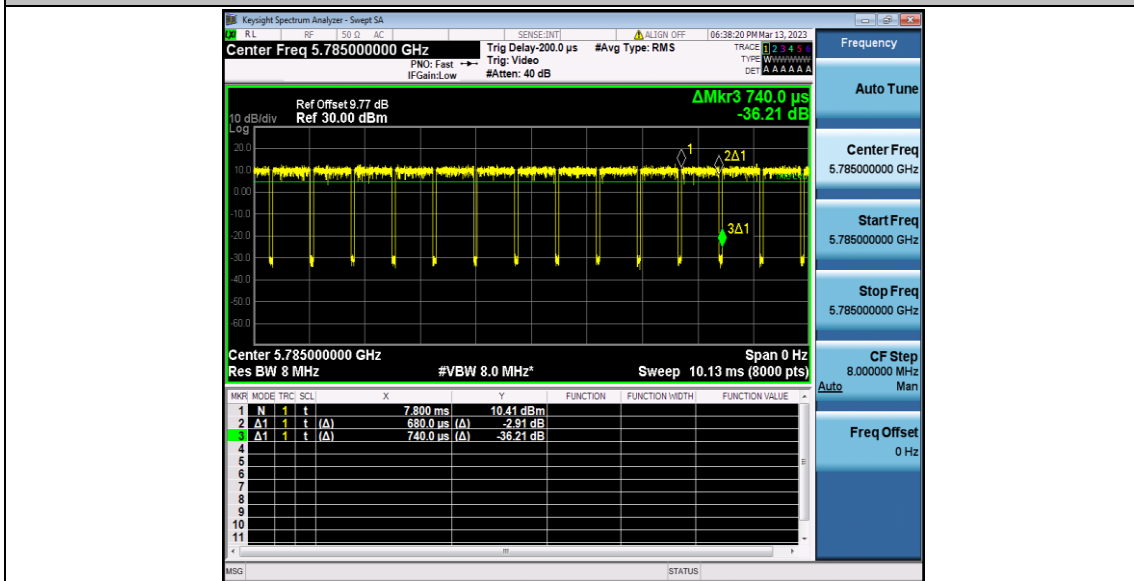
11N40SISO_Ant3_5795



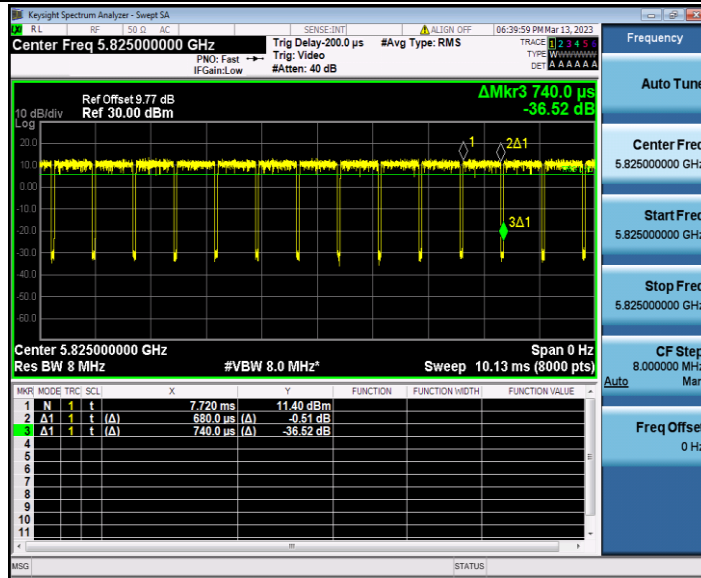
11AC20SISO_Ant3_5745



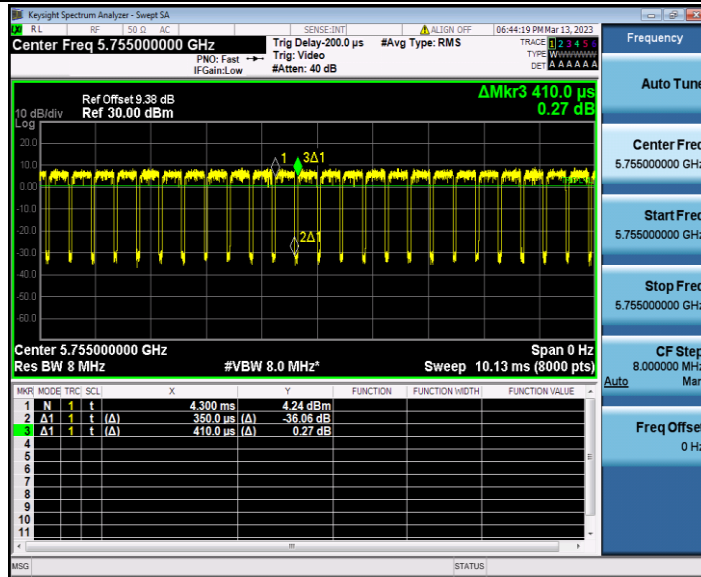
11AC20SISO_Ant3_5785



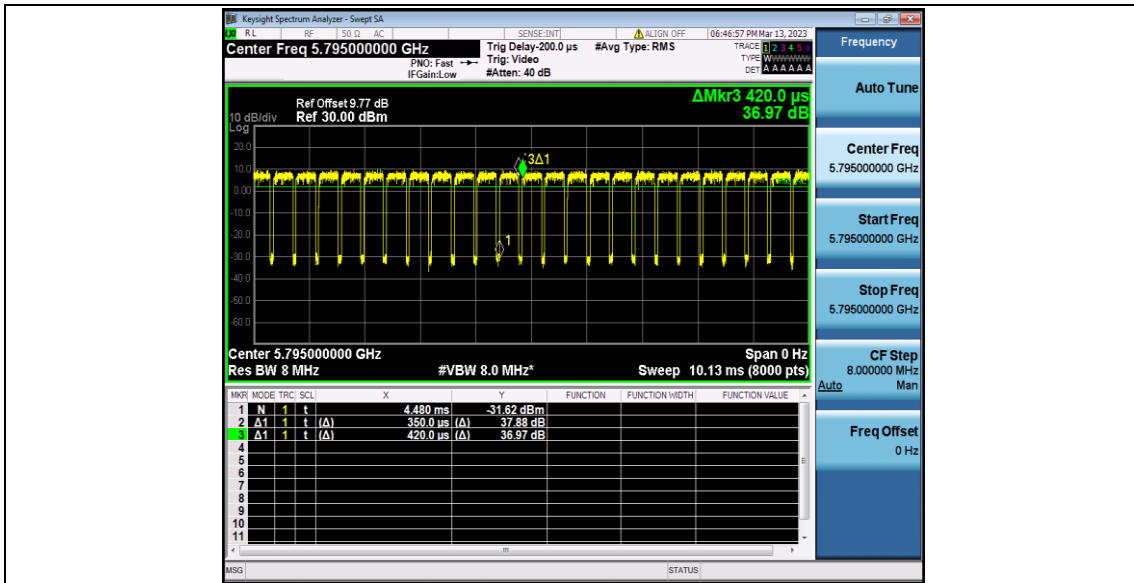
11AC20SISO_Ant3_5825



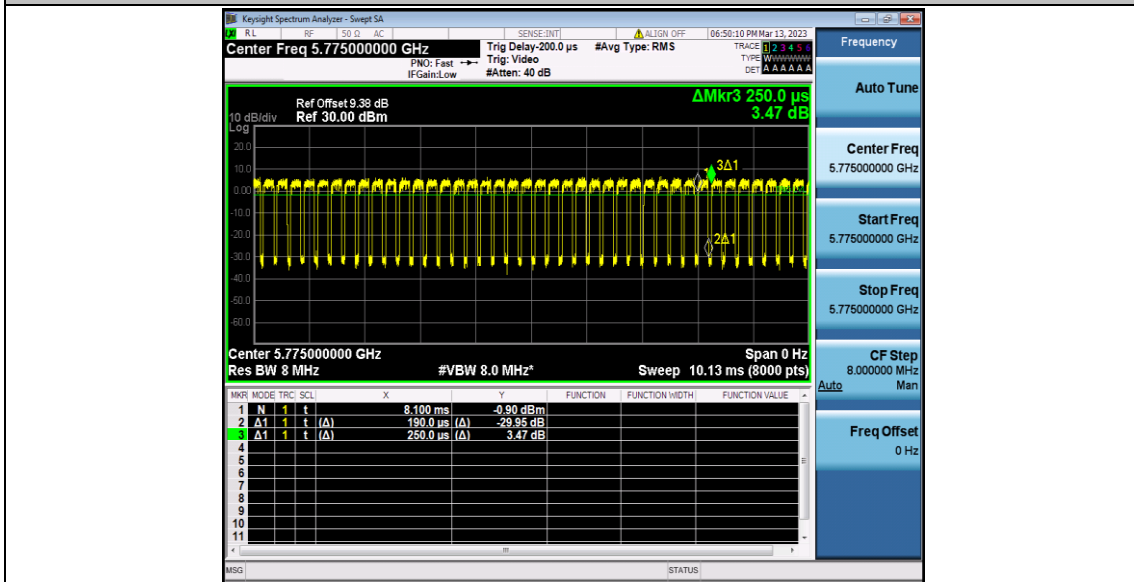
11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775



Appendix C.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	Ant3	5745	12.20	95.89	0.18	12.38	≤30.00	PASS
		5785	13.24	95.89	0.18	13.42	≤30.00	PASS
		5825	14.28	95.89	0.18	14.46	≤30.00	PASS
11N20SISO	Ant3	5745	11.78	95.62	0.19	11.97	≤30.00	PASS
		5785	12.80	95.62	0.19	12.99	≤30.00	PASS
		5825	13.65	95.62	0.19	13.84	≤30.00	PASS
11N40SISO	Ant3	5755	11.63	91.55	0.38	12.01	≤30.00	PASS
		5795	12.90	91.55	0.38	13.28	≤30.00	PASS
11AC20SISO	Ant3	5745	11.05	91.89	0.37	11.42	≤30.00	PASS
		5785	12.10	91.89	0.37	12.47	≤30.00	PASS
		5825	13.06	91.89	0.37	13.43	≤30.00	PASS
11AC40SISO	Ant3	5755	10.80	85.37	0.69	11.49	≤30.00	PASS
		5795	12.05	83.33	0.79	12.84	≤30.00	PASS
11AC80SISO	Ant3	5775	11.34	76.00	1.19	12.53	≤30.00	PASS

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

Appendix C.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5745	-0.9	≤30.00	PASS
		5785	0.38	≤30.00	PASS
		5825	1.2	≤30.00	PASS
11N20SISO	Ant3	5745	-1.38	≤30.00	PASS
		5785	-0.33	≤30.00	PASS
		5825	0.54	≤30.00	PASS
11N40SISO	Ant3	5755	-4.29	≤30.00	PASS
		5795	-3.12	≤30.00	PASS
11AC20SISO	Ant3	5745	-1.76	≤30.00	PASS
		5785	-0.91	≤30.00	PASS
		5825	-0.06	≤30.00	PASS
11AC40SISO	Ant3	5755	-4.55	≤30.00	PASS
		5795	-3.33	≤30.00	PASS
11AC80SISO	Ant3	5775	-6.44	≤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

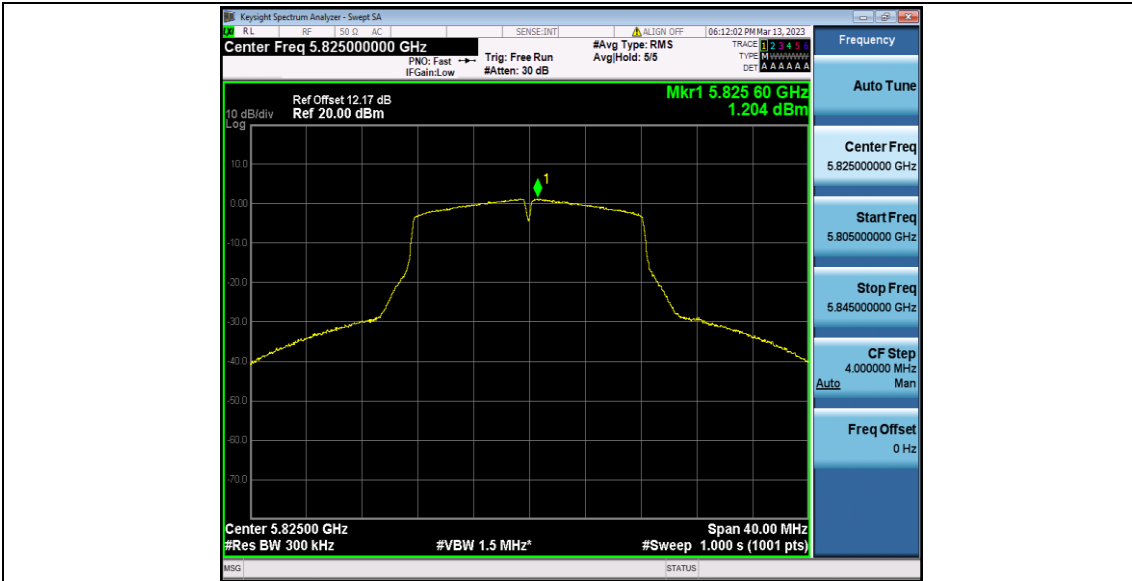
11A_Ant3_5745



11A_Ant3_5785



11A_Ant3_5825



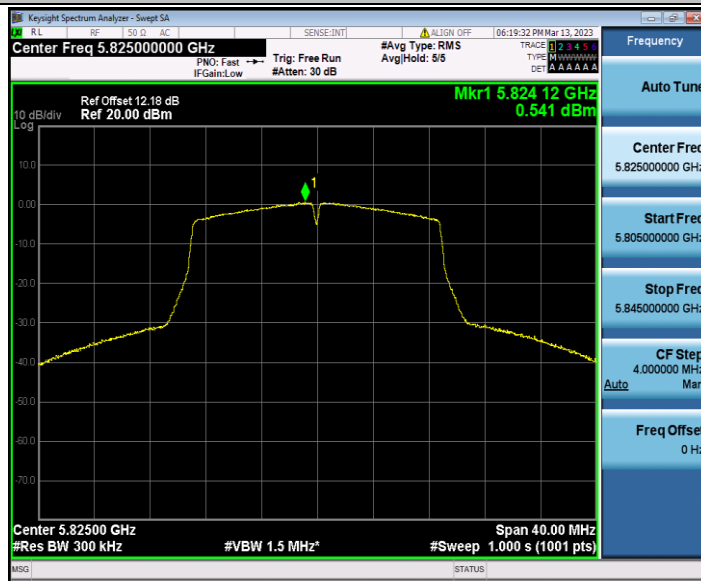
11N20SISO_Ant3_5745



11N20SISO_Ant3_5785



11N20SISO_Ant3_5825



11N40SISO_Ant3_5755



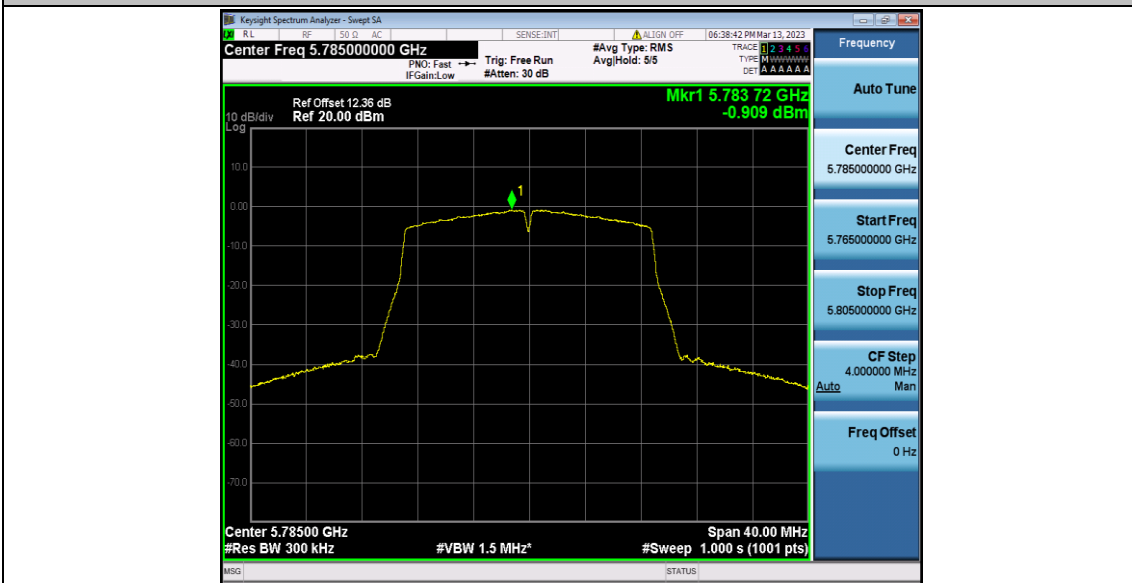
11N40SISO_Ant3_5795



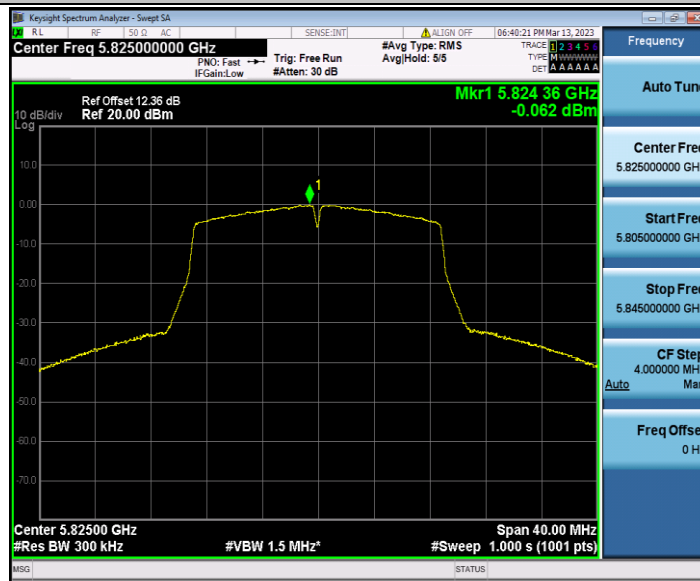
11AC20SISO_Ant3_5745



11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795