

Case No. : <u>GTS20220924005-1-4</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.31</u>	Test Engineer: <u>jJenny zeng</u>

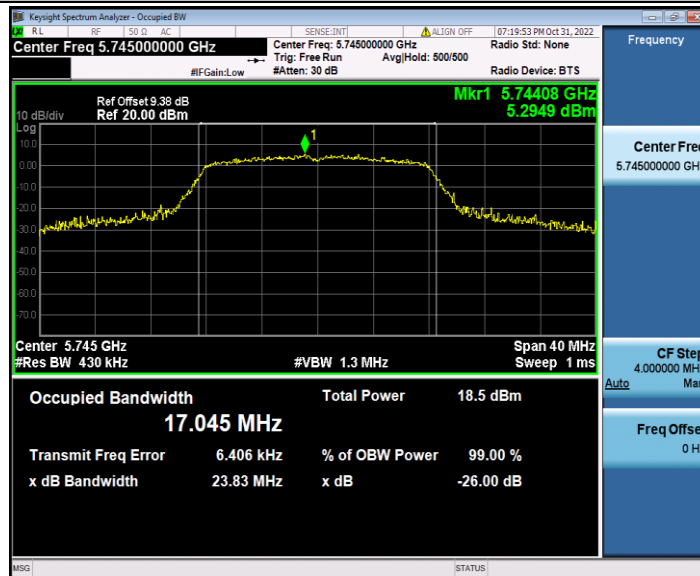
Appendix D.1: Occupied channel bandwidth

Test Result

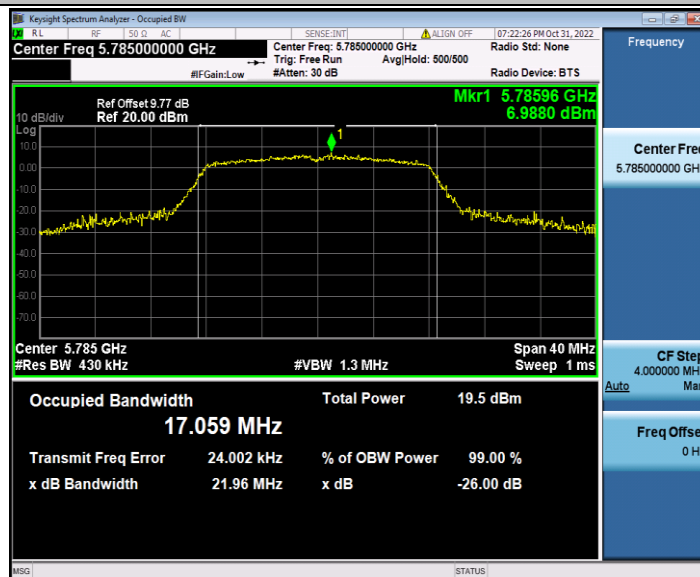
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.045	5736.484	5753.529	---	---
		5785	17.059	5776.495	5793.554	---	---
		5825	17.076	5816.451	5833.527	---	---
11N20SISO	Ant1	5745	17.979	5736.018	5753.997	---	---
		5785	17.930	5776.043	5793.973	---	---
		5825	17.947	5816.018	5833.965	---	---

Test Graphs

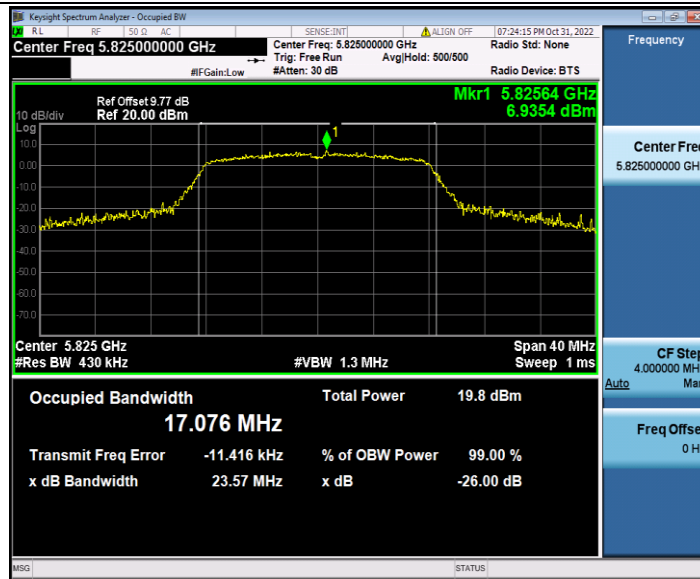
11A_Ant1_5745



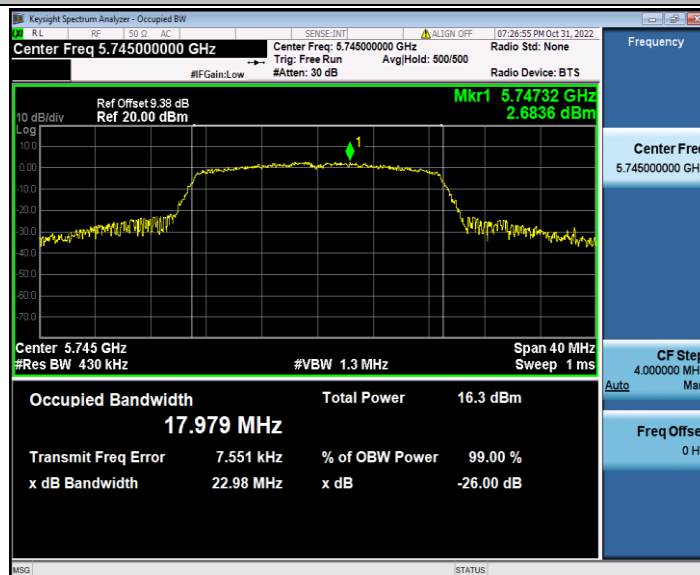
11A_Ant1_5785



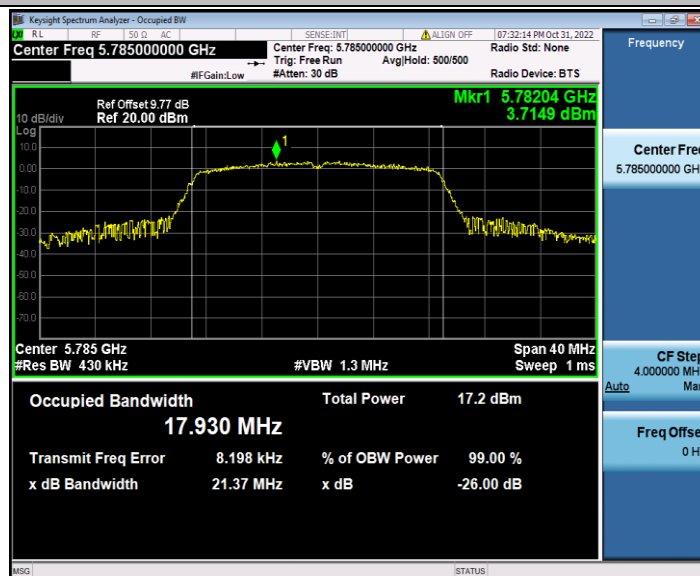
11A_Ant1_5825



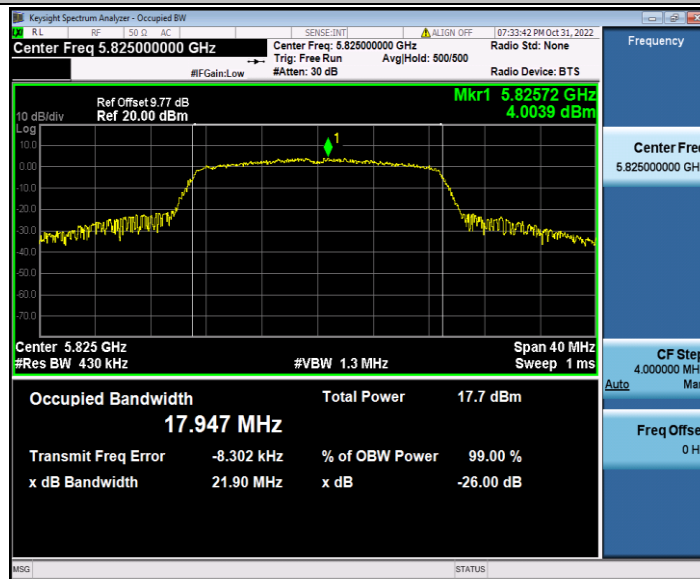
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



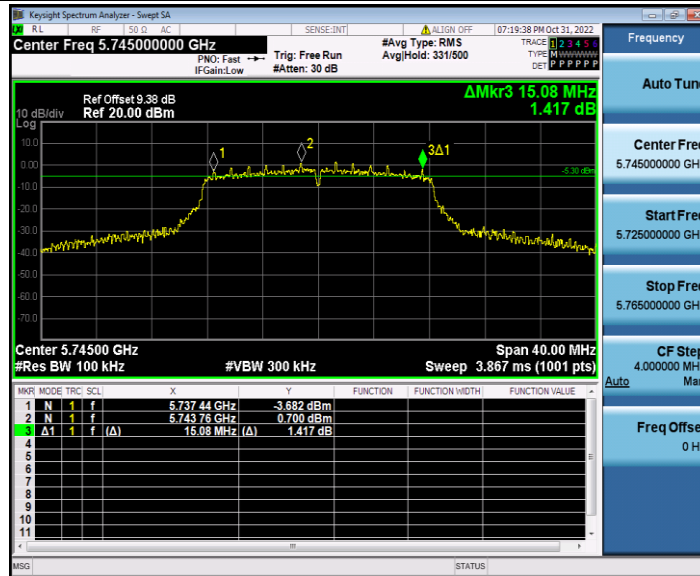
Appendix D.2: Min emission bandwidth

Test Result B4

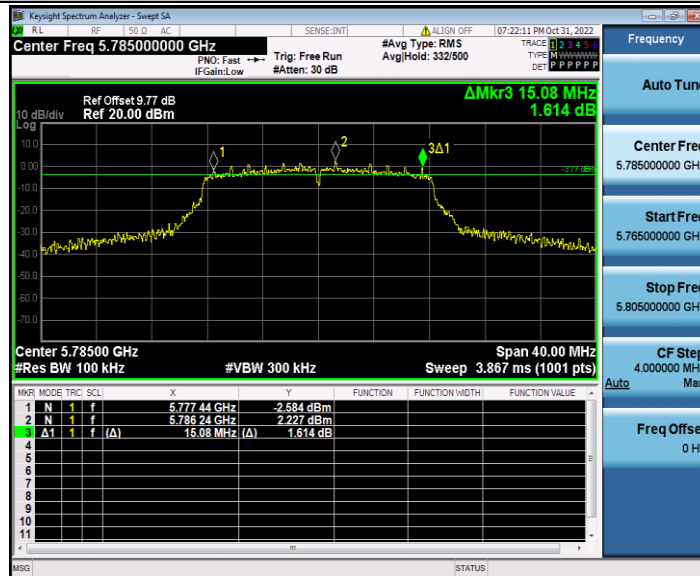
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.040	5817.480	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.320	5737.440	5752.760	0.5	PASS
		5785	13.800	5778.760	5792.560	0.5	PASS
		5825	14.040	5818.480	5832.520	0.5	PASS

Test Graphs B4

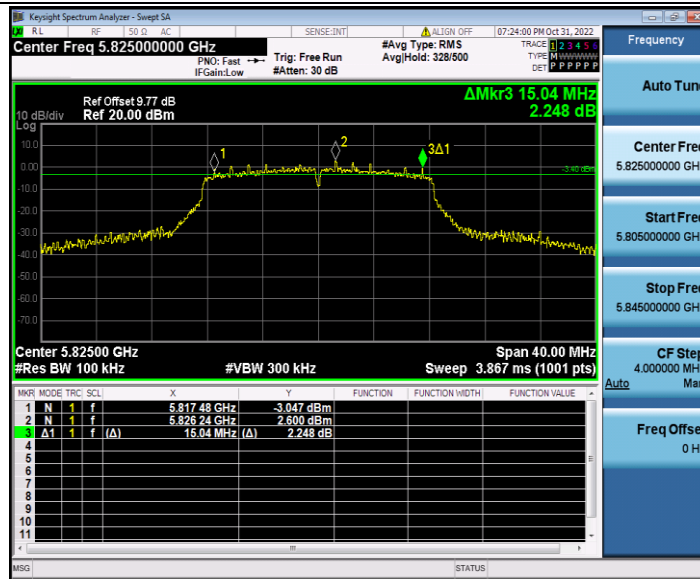
11A_Ant1_5745



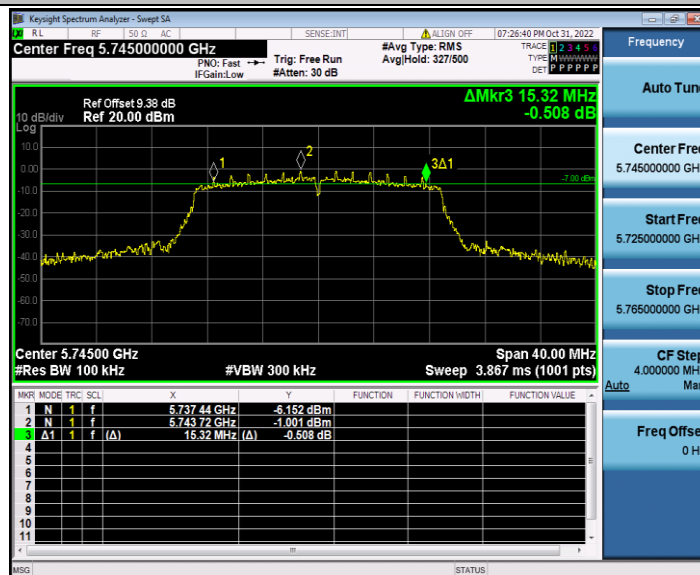
11A_Ant1_5785



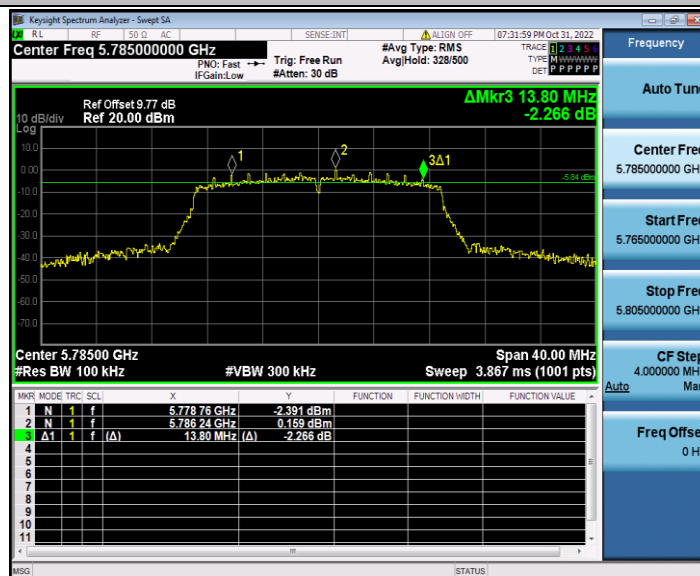
11A_Ant1_5825



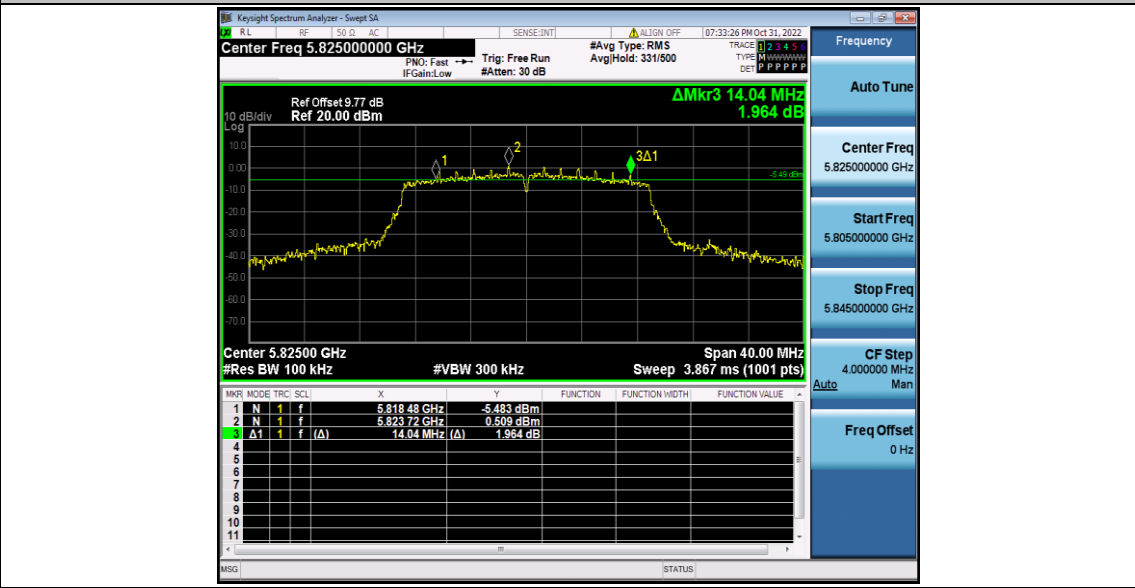
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



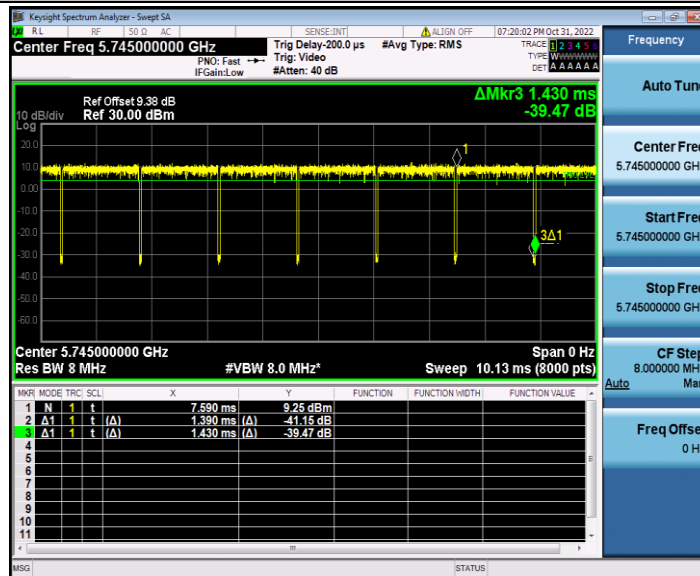
Appendix D.3: Duty Cycle

Test Result

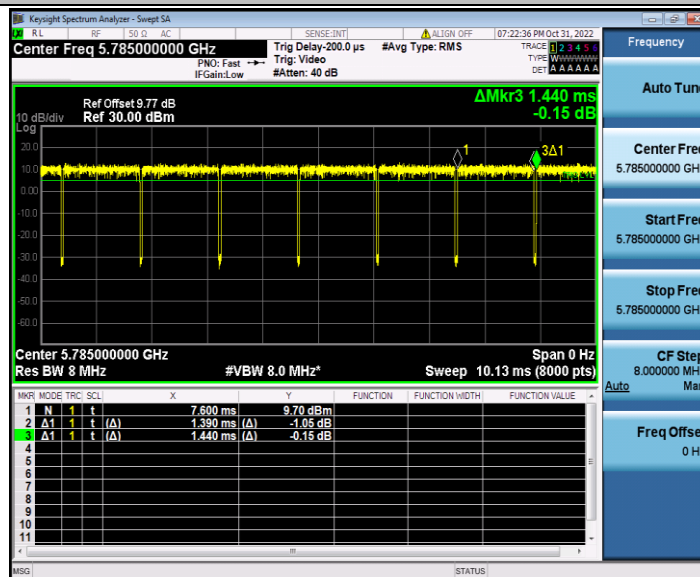
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.39	1.44	96.53
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5745	1.30	1.34	97.01
		5785	1.30	1.35	96.30
		5825	1.30	1.34	97.01

Test Graphs

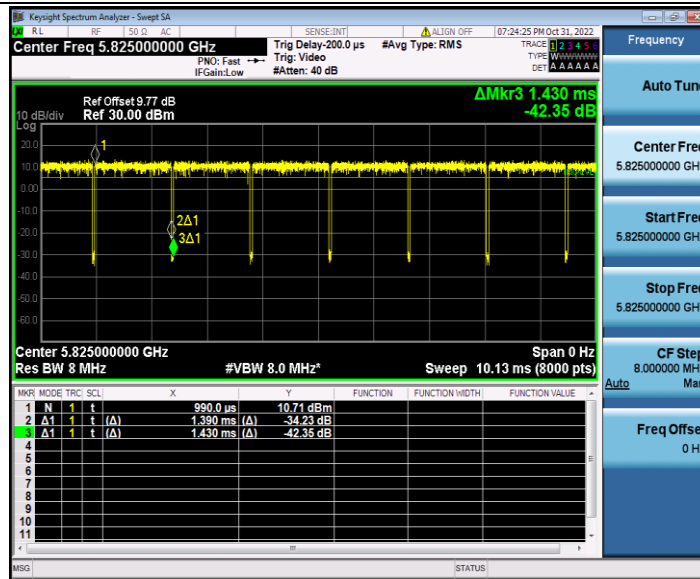
11A_Ant1_5745



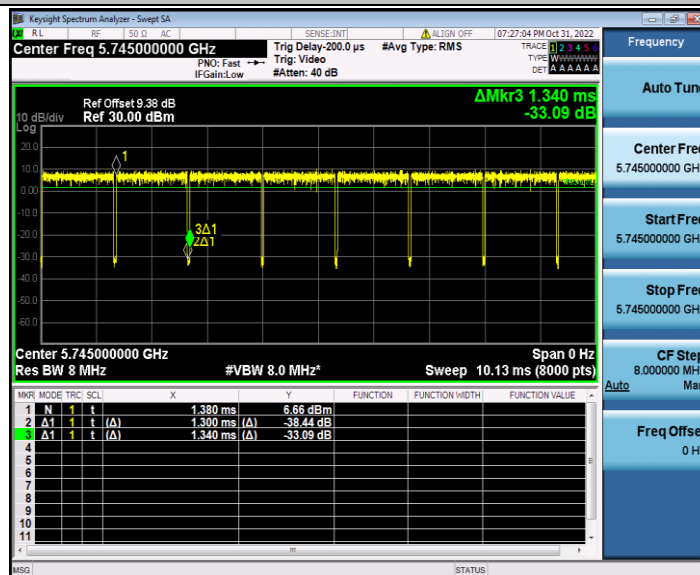
11A_Ant1_5785



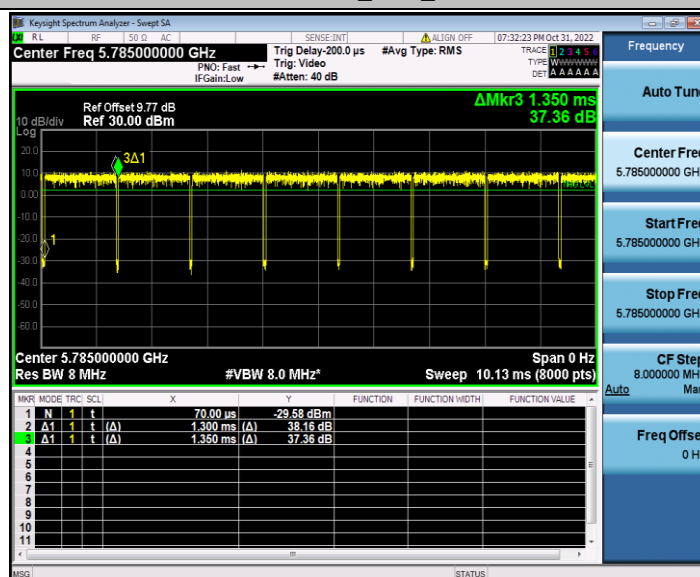
11A_Ant1_5825



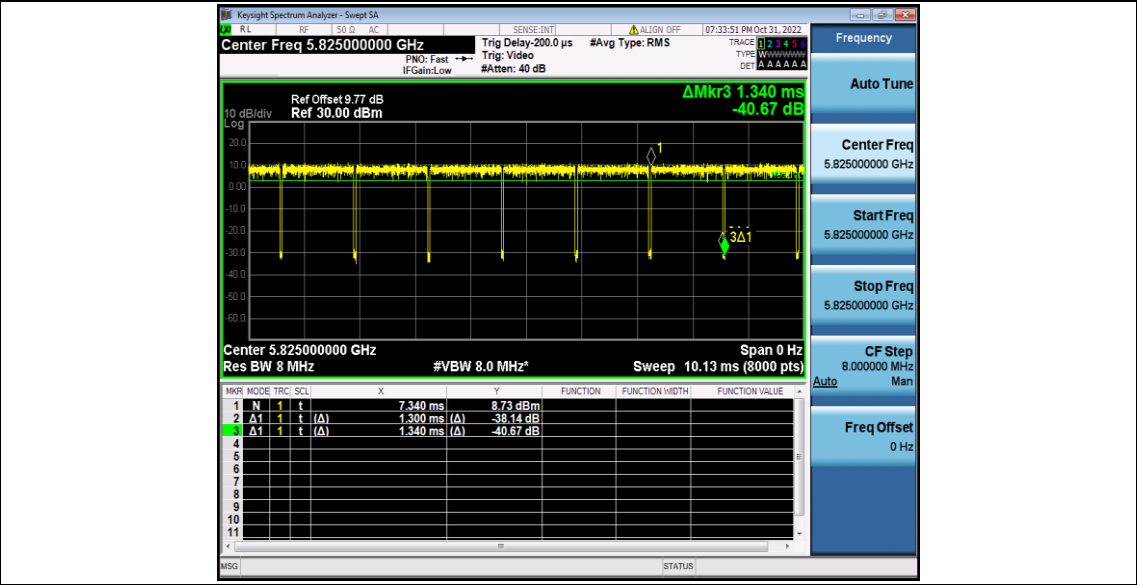
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	11.49	97.20	0.12	11.61	≤30.00	PASS
		5785	12.53	96.53	0.15	12.68	≤30.00	PASS
		5825	12.95	97.20	0.12	13.07	≤30.00	PASS
11N20SIS O	Ant1	5745	9.35	97.01	0.13	9.48	≤30.00	PASS
		5785	10.45	96.30	0.16	10.61	≤30.00	PASS
		5825	10.82	97.01	0.13	10.95	≤30.00	PASS

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

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.77	≤30.00	PASS
		5785	6.16	≤30.00	PASS
		5825	7.19	≤30.00	PASS
11N20SISO	Ant1	5745	2.77	≤30.00	PASS
		5785	3.77	≤30.00	PASS
		5825	4.1	≤30.00	PASS

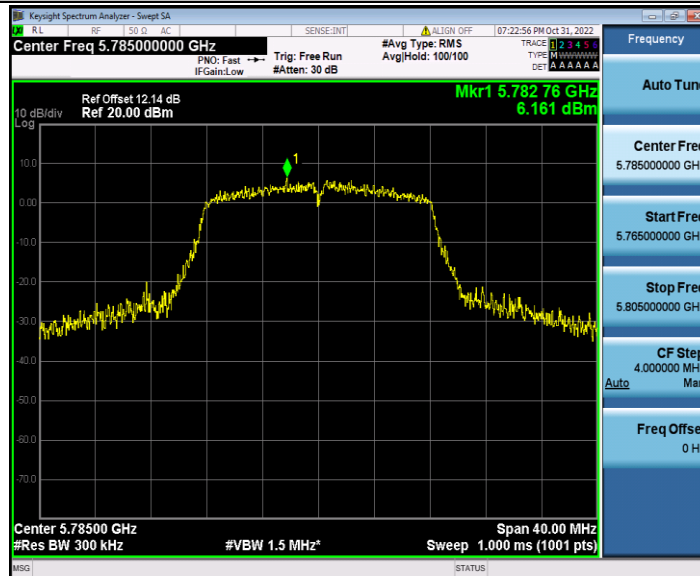
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



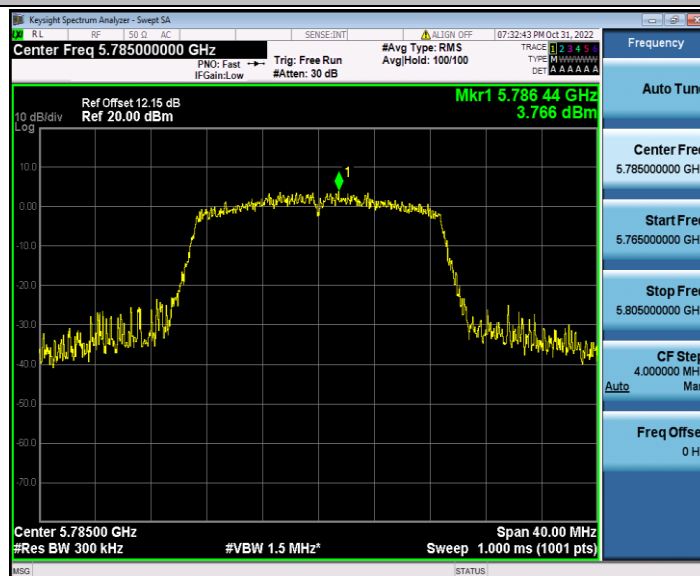
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



Appendix D.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	-37.29	≤7.94	PASS
				5700~5720	-28.51	≤15.21	PASS
				5720~5725	-25.69	≤22.11	PASS
				5760~5650	-37.74	≤-27	PASS
		High	5825	5850~5855	-29.6	≤15.79	PASS
				5855~5875	-33.42	≤10.48	PASS
				5875~5925	-37.25	≤-17.96	PASS
				5925~5935	-39.1	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.62	≤-13.51	PASS
				5700~5720	-31.92	≤15.11	PASS
				5720~5725	-24.14	≤24.73	PASS
				5760~5650	-39.33	≤-27	PASS
		High	5825	5850~5855	-32.94	≤21.64	PASS
				5855~5875	-36.83	≤13.12	PASS
				5875~5925	-38.37	≤-17.86	PASS
				5925~5935	-38.68	≤-27	PASS

Test Graphs B4

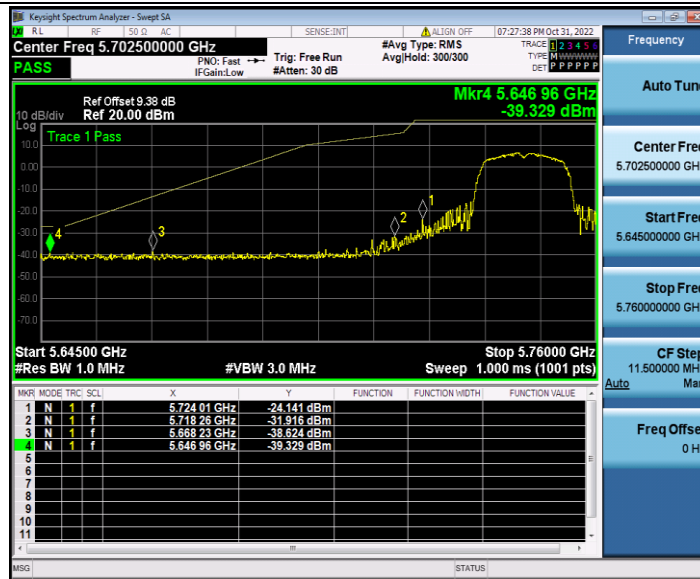
11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



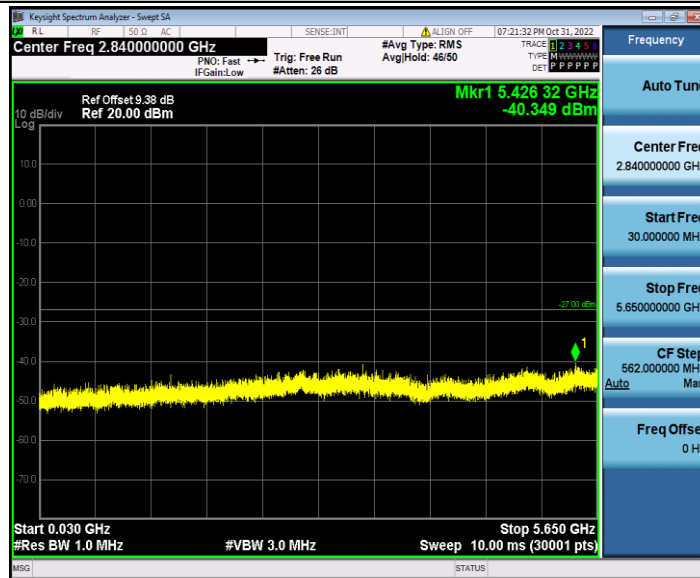
Appendix D.7: Conducted Spurious Emission

Test Result

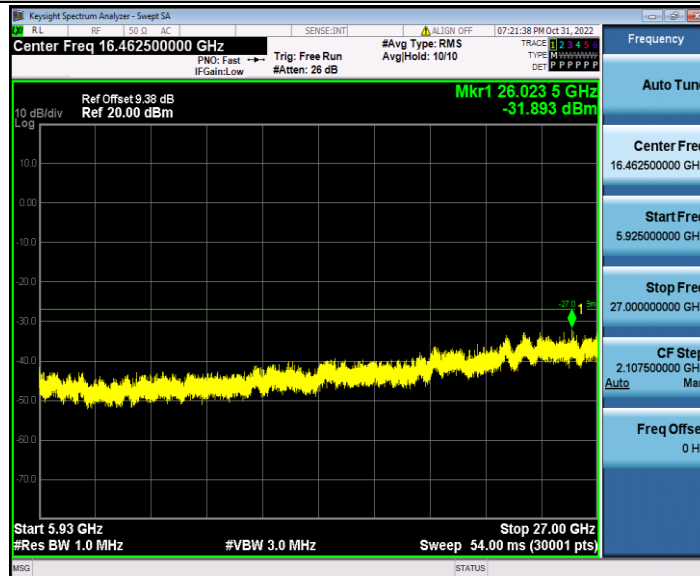
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5426.32	-40.35	≤-27	PASS
			5925~40000	26023.53	-31.89	≤-27	PASS
		5785	30~5650	5646.82	-40.34	≤-27	PASS
			5925~40000	26079.02	-32.45	≤-27	PASS
		5825	30~5650	5453.3	-39.83	≤-27	PASS
			5925~40000	25931.5	-32.41	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5424.26	-40.34	≤-27	PASS
			5925~40000	24988.74	-31.57	≤-27	PASS
		5785	30~5650	5137.27	-40.35	≤-27	PASS
			5925~40000	25176.31	-32.91	≤-27	PASS
		5825	30~5650	5445.99	-40.33	≤-27	PASS
			5925~40000	26787.14	-31.62	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



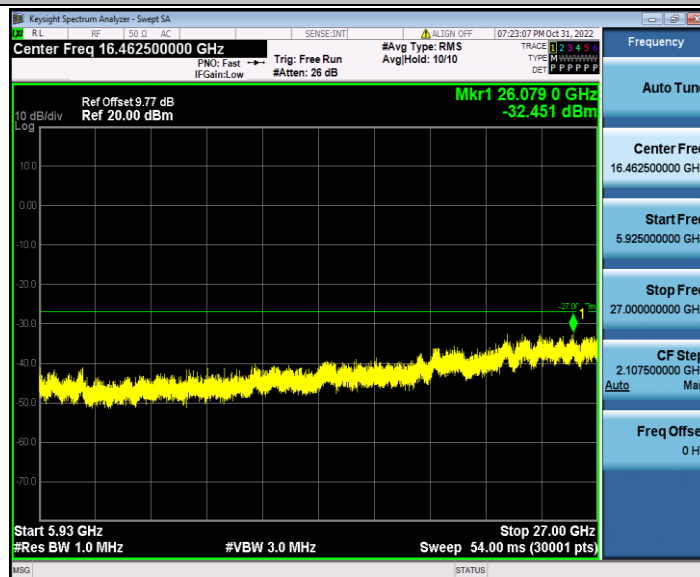
11A_Ant1_5745_5925~40000



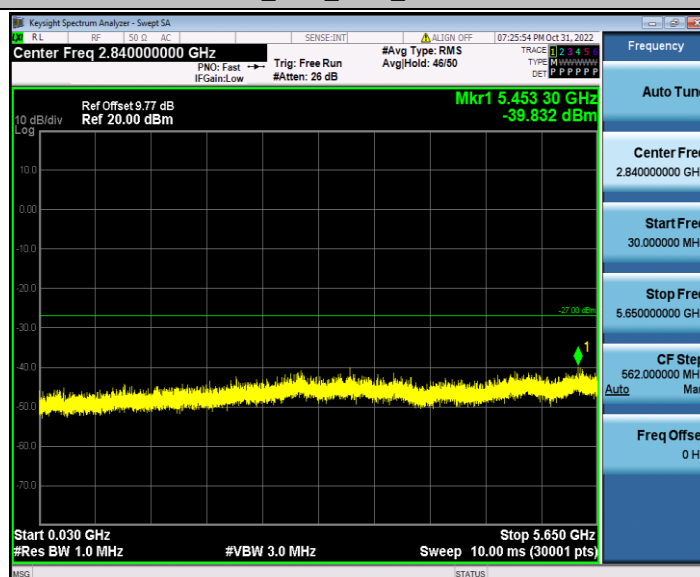
11A_Ant1_5785_30~5650



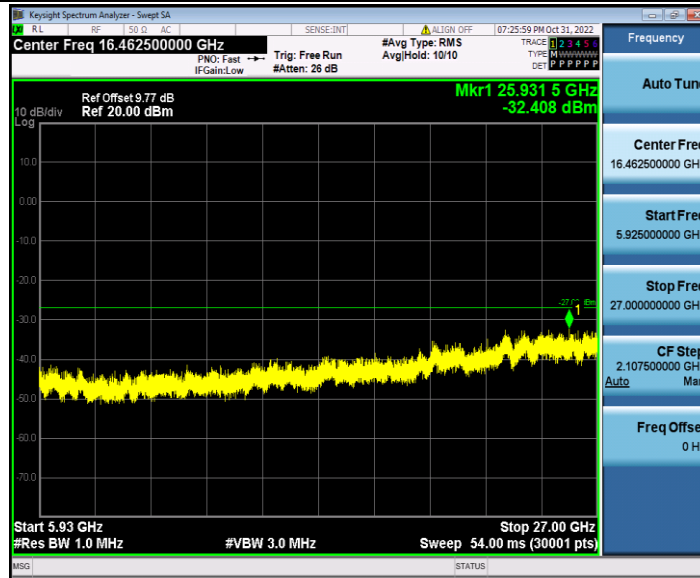
11A_Ant1_5785_5925~40000



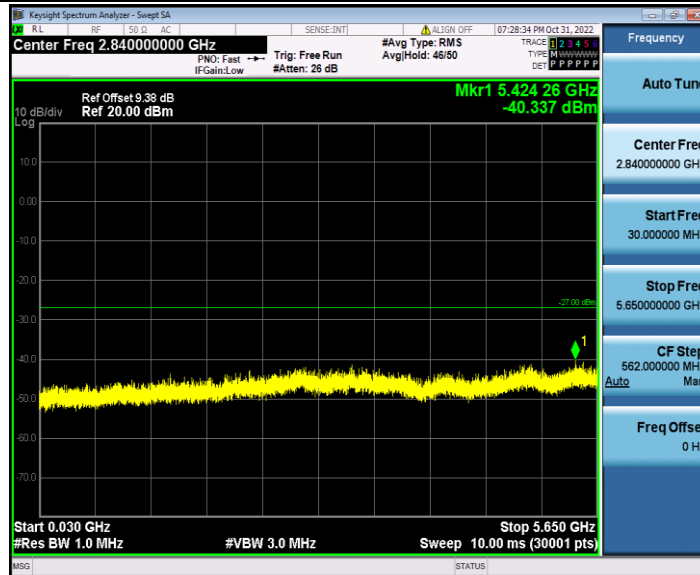
11A_Ant1_5825_30~5650



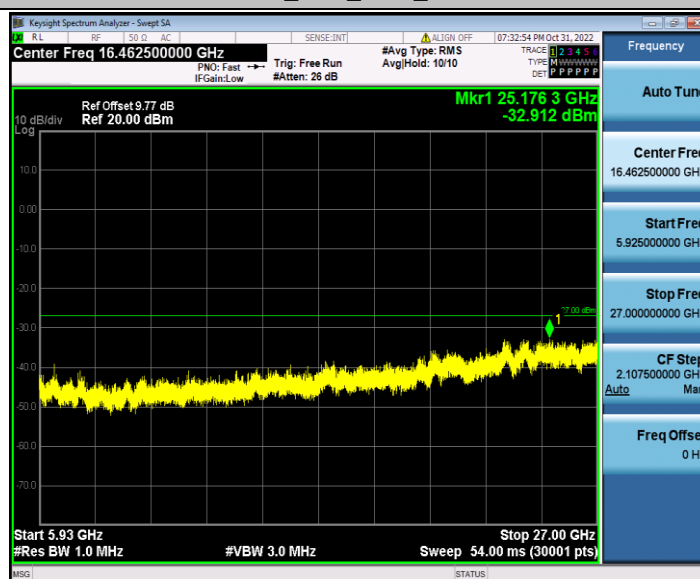
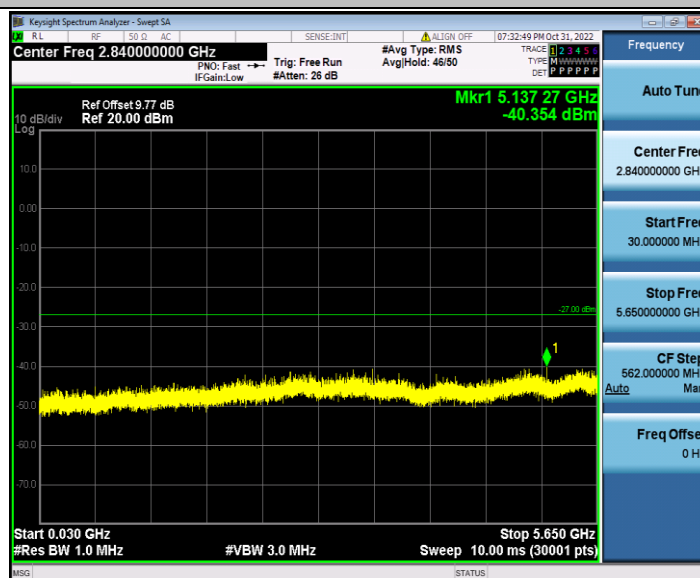
11A_Ant1_5825_5925~40000



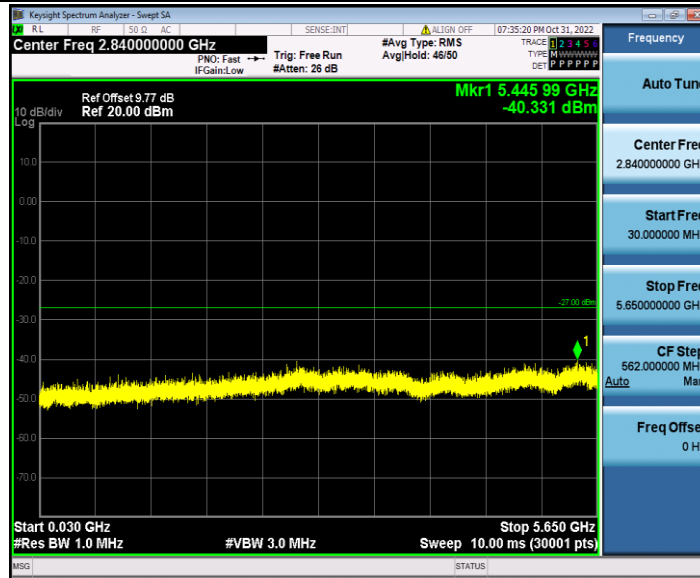
11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000

