

Case No. : <u>GTS20221031017-1-12</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.11</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

Test Result

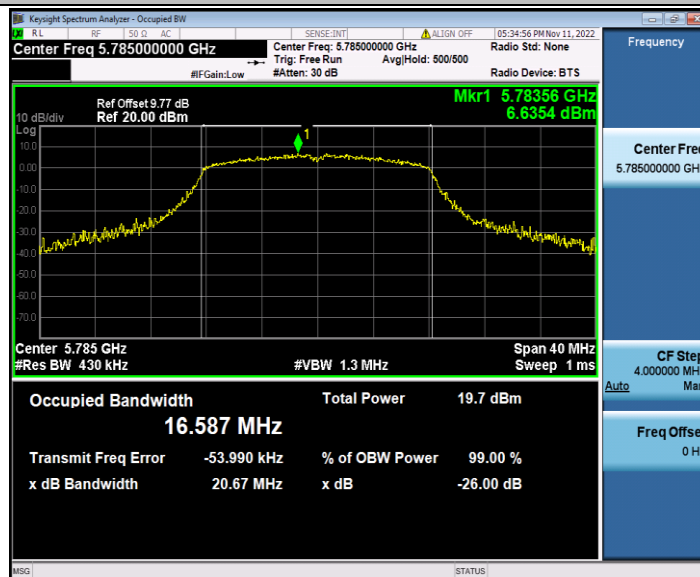
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.591	5736.672	5753.263	---	---
		5785	16.587	5776.653	5793.240	---	---
		5825	16.637	5816.613	5833.250	---	---
11N20SISO	Ant1	5745	17.571	5736.166	5753.737	---	---
		5785	17.585	5776.157	5793.742	---	---
		5825	17.616	5816.149	5833.765	---	---
11N40SISO	Ant1	5755	35.368	5737.282	5772.650	---	---
		5795	35.387	5777.261	5812.648	---	---

Test Graphs

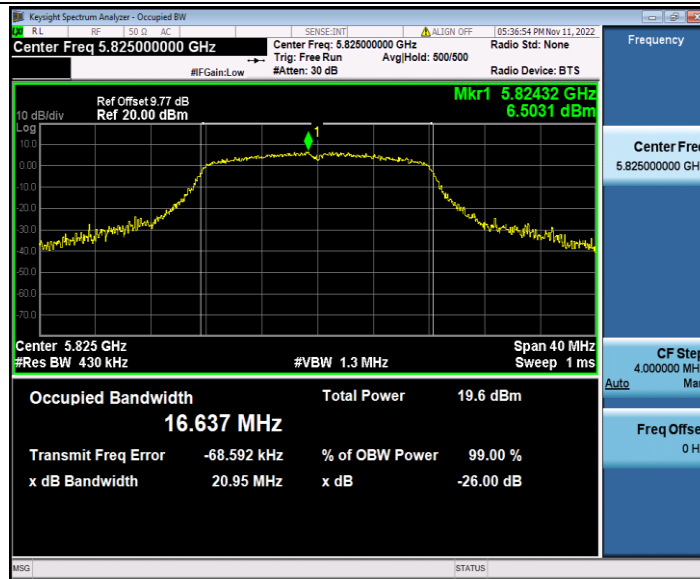
11A_Ant1_5745



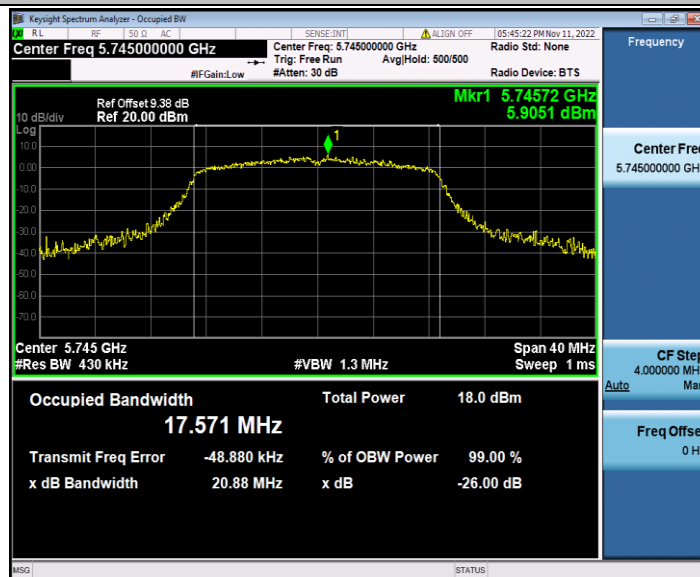
11A_Ant1_5785



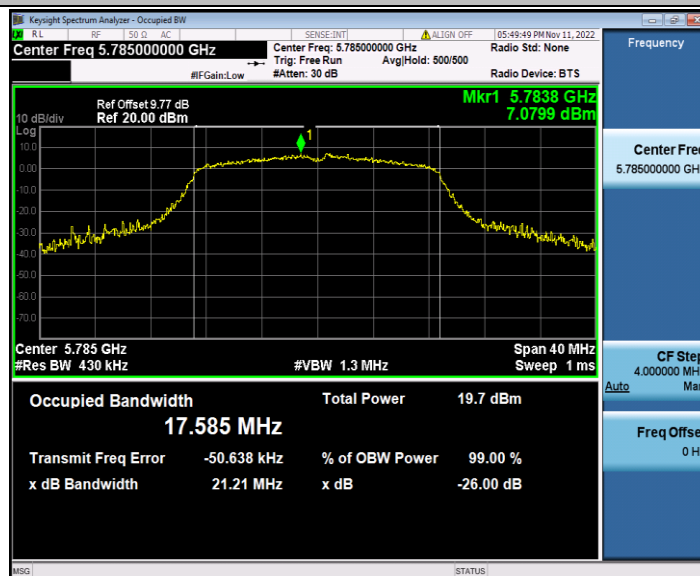
11A_Ant1_5825



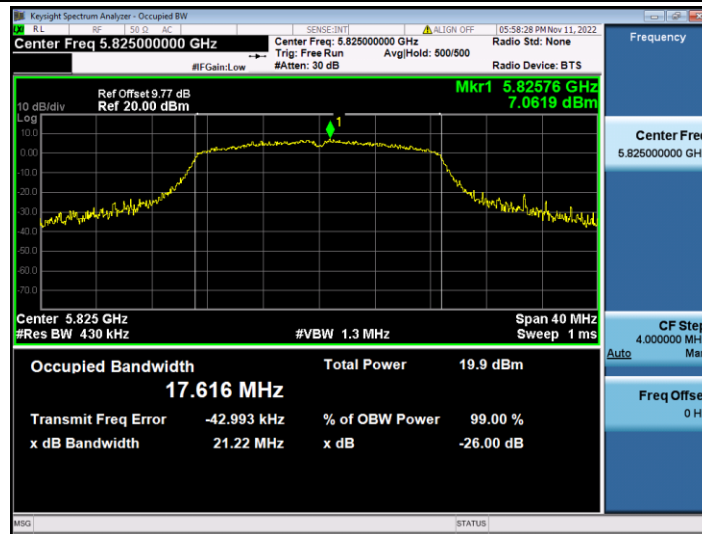
11N20SISO_Ant1_5745



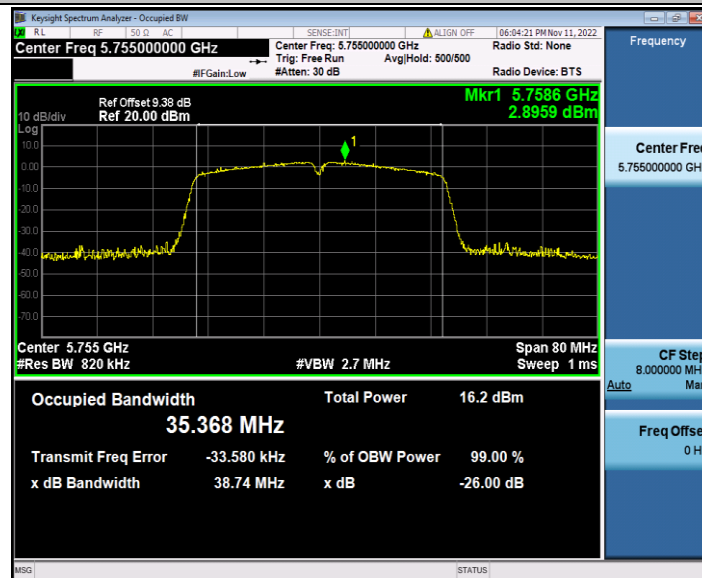
11N20SISO_Ant1_5785



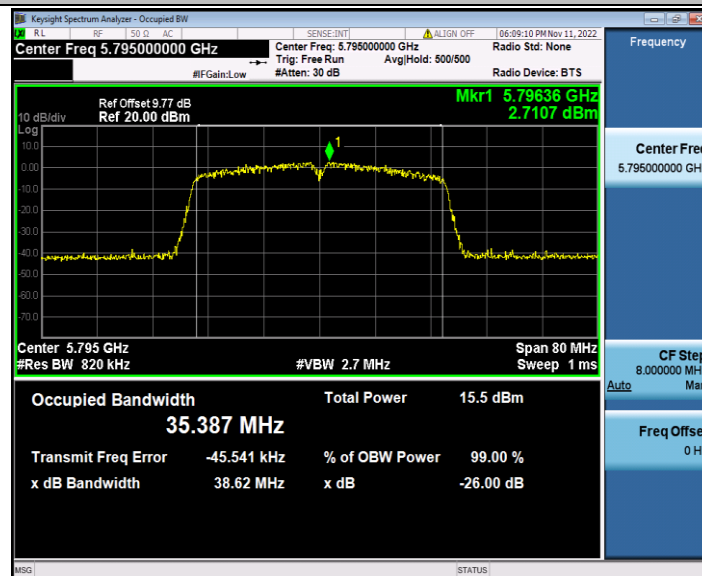
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



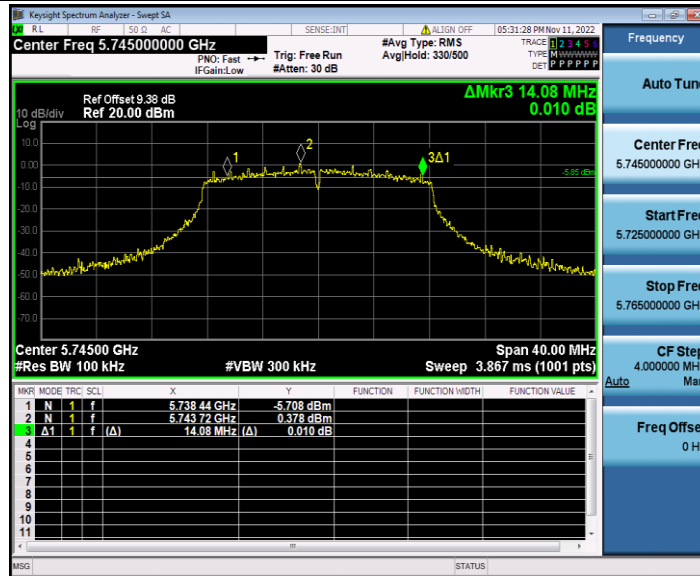
Appendix E.2: Min emission bandwidth

Test Result B4

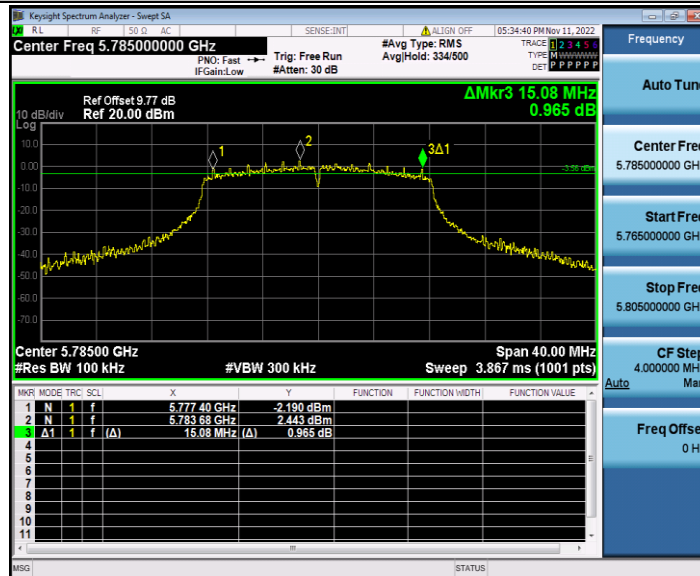
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	14.080	5738.440	5752.520	0.5	PASS
		5785	15.080	5777.400	5792.480	0.5	PASS
		5825	15.040	5817.400	5832.440	0.5	PASS
11N20SISO	Ant1	5745	15.280	5737.200	5752.480	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.040	5817.400	5832.440	0.5	PASS
11N40SISO	Ant1	5755	30.000	5737.480	5767.480	0.5	PASS
		5795	30.080	5781.160	5811.240	0.5	PASS

Test Graphs B4

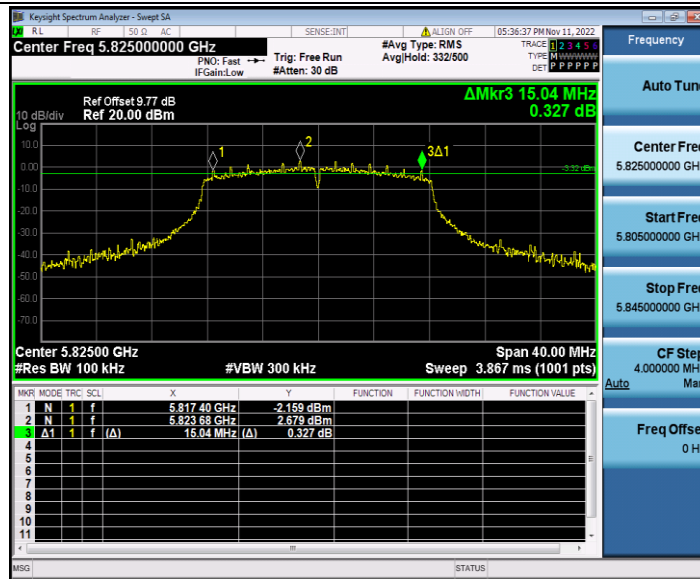
11A_Ant1_5745



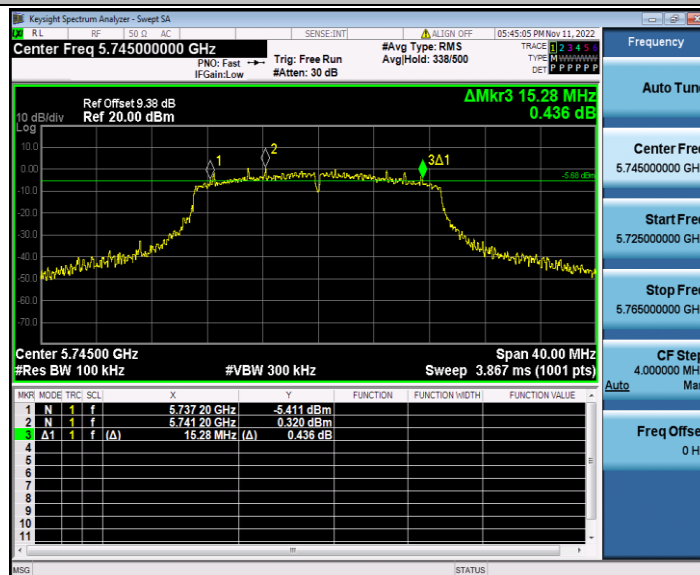
11A_Ant1_5785



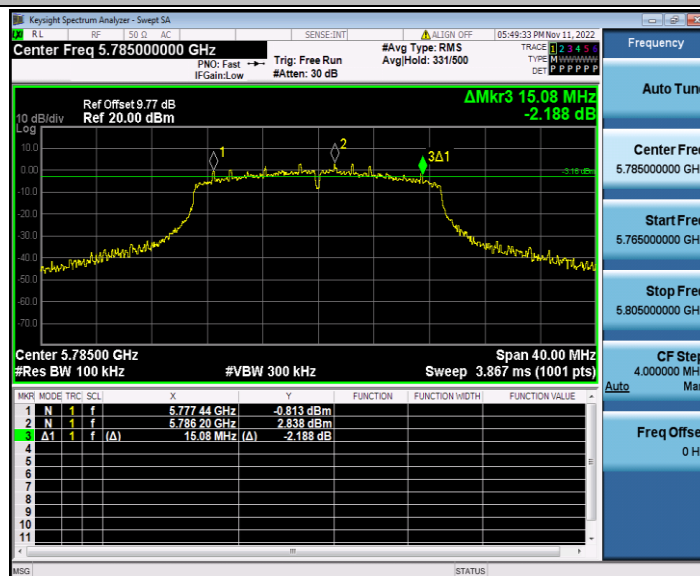
11A_Ant1_5825



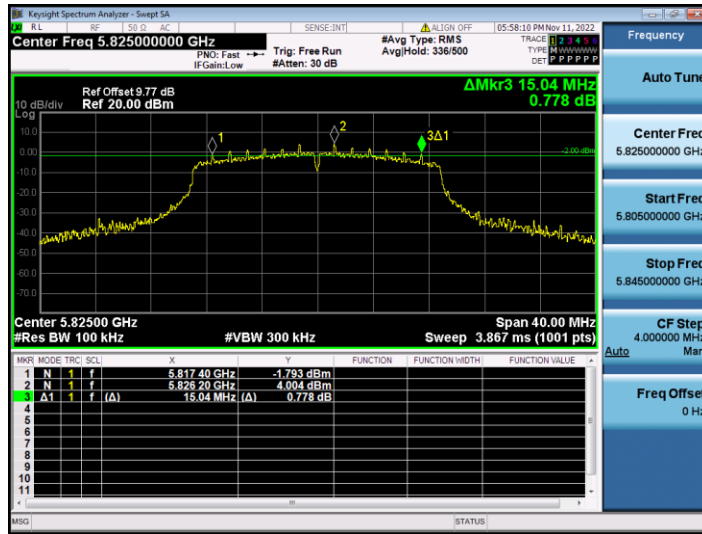
11N20SISO_Ant1_5745



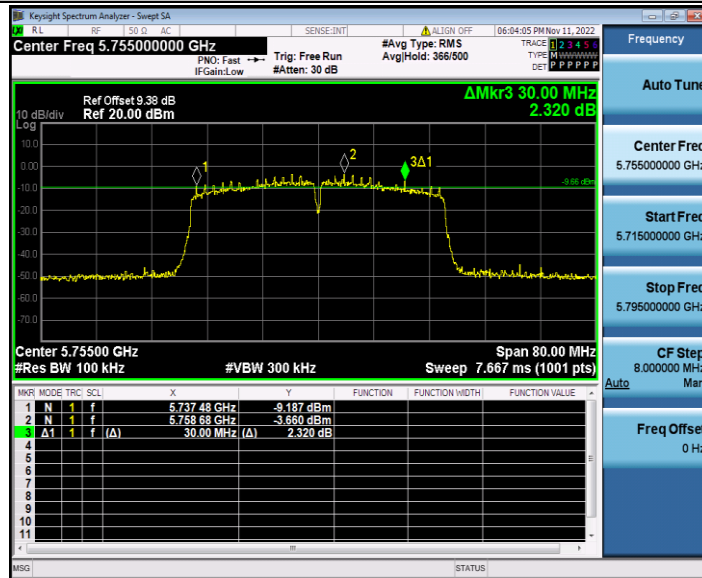
11N20SISO_Ant1_5785



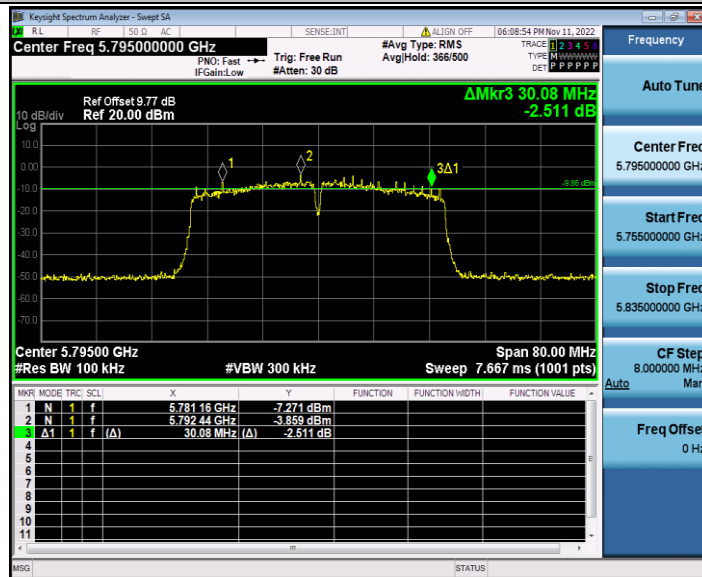
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



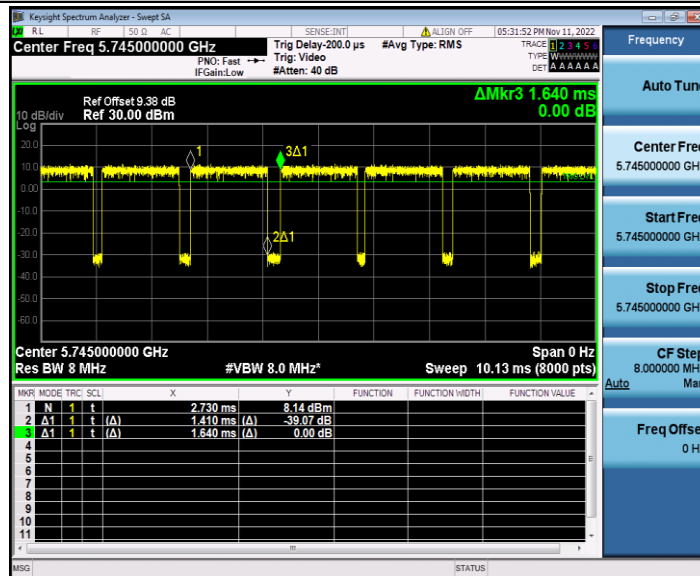
Appendix E.3: Duty Cycle

Test Result

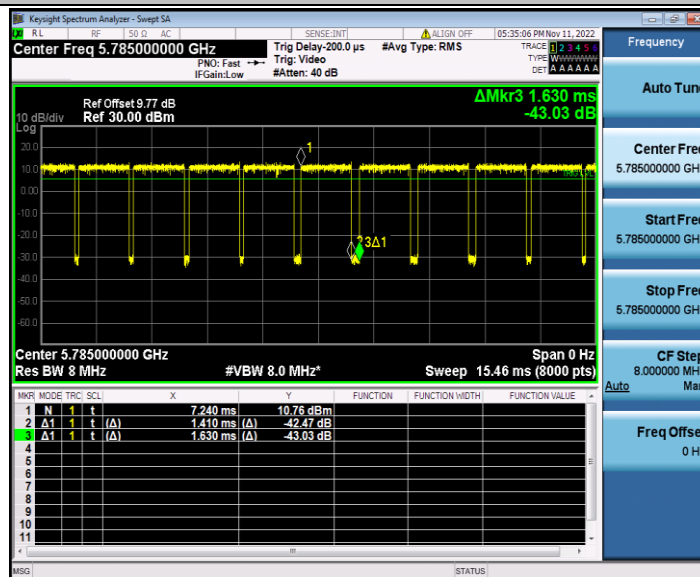
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.41	1.64	85.98
		5785	1.41	1.63	86.50
		5825	1.40	1.60	87.50
11N20SISO	Ant1	5745	1.31	1.51	86.75
		5785	1.31	1.51	86.75
		5825	1.32	1.54	85.71
11N40SISO	Ant1	5755	1.30	2.91	44.67
		5795	0.66	0.88	75.00

Test Graphs

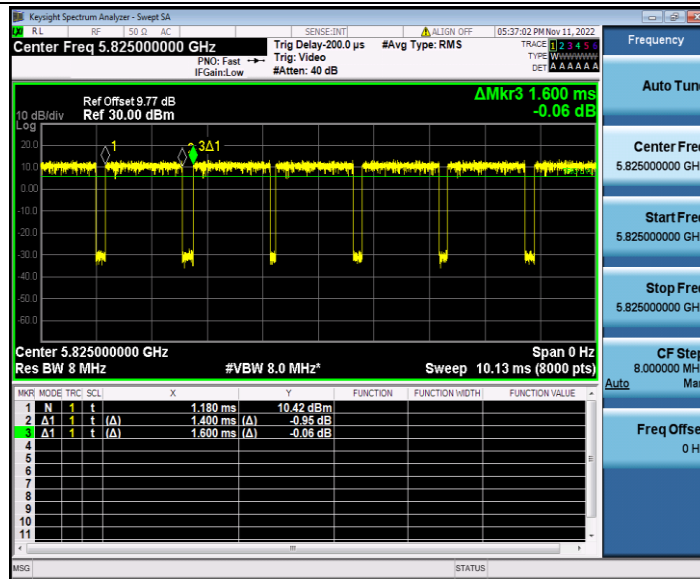
11A_Ant1_5745



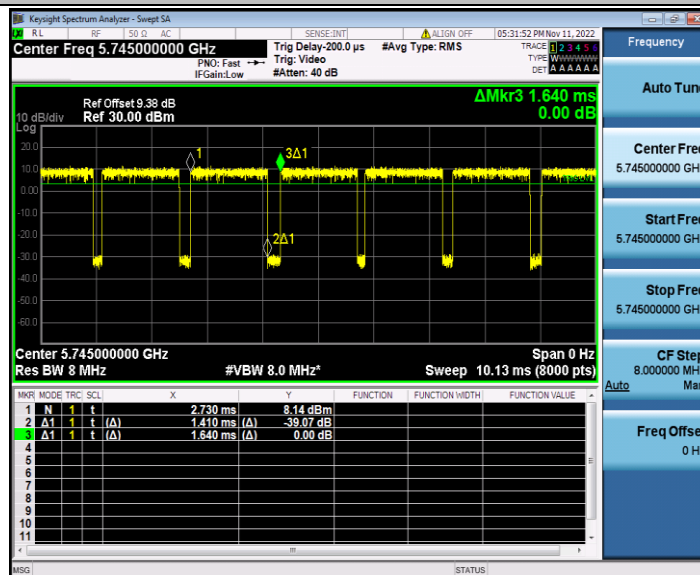
11A_Ant1_5785



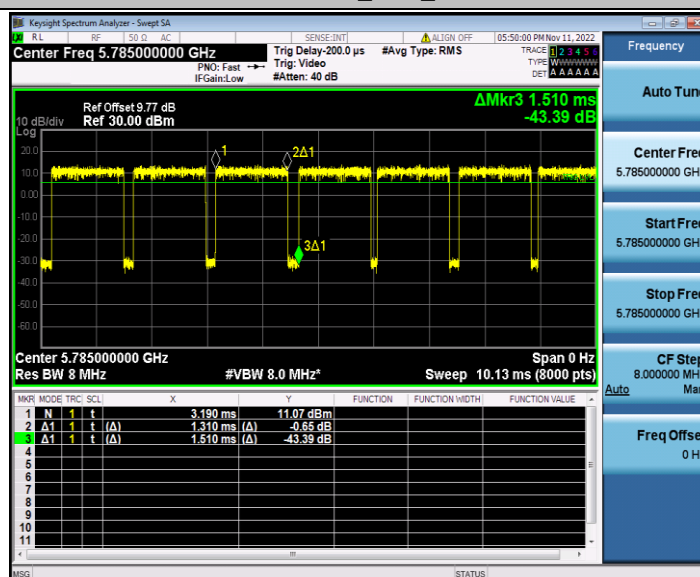
11A_Ant1_5825



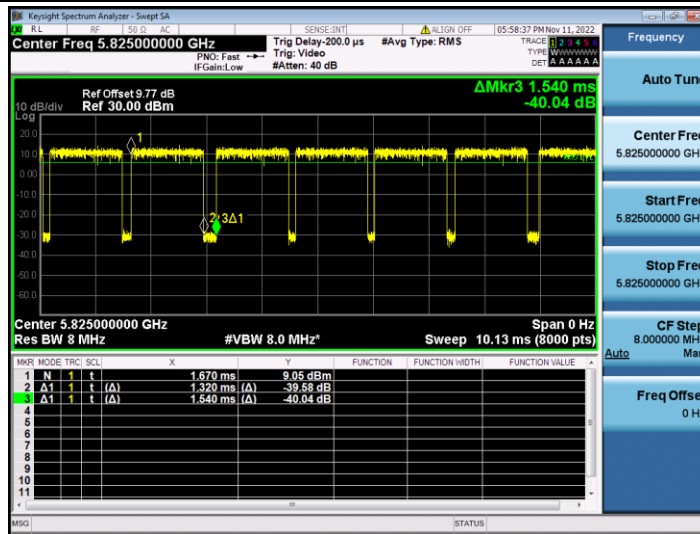
11N20SISO_Ant1_5745



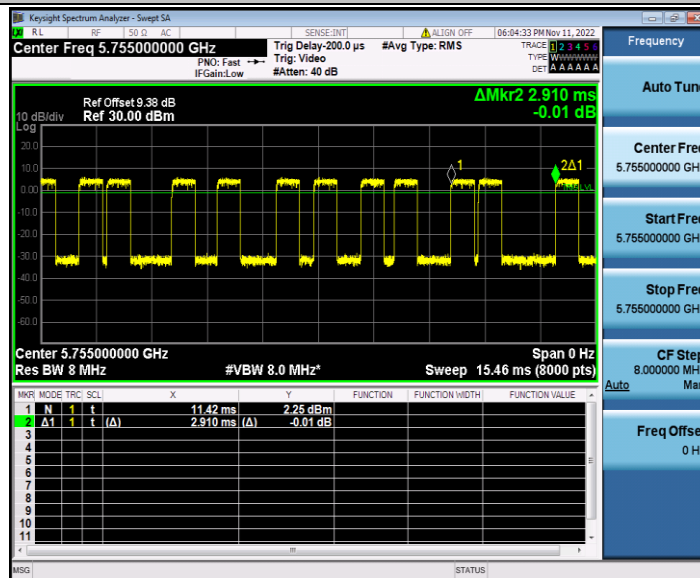
11N20SISO_Ant1_5785



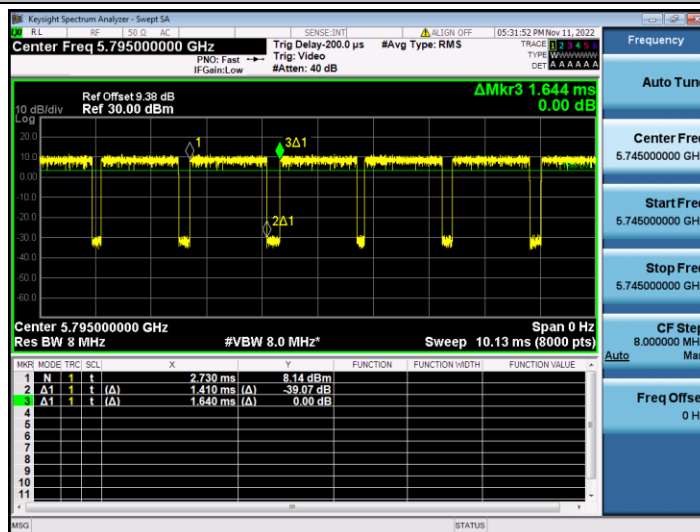
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



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	10.44	85.98	0.66	11.10	≤30.00	PASS
		5785	12.18	86.50	0.63	12.81	≤30.00	PASS
		5825	12.46	87.50	0.58	13.04	≤30.00	PASS
11N20SISO	Ant1	5745	11.27	86.75	0.62	11.89	≤30.00	PASS
		5785	12.20	86.75	0.62	12.82	≤30.00	PASS
		5825	12.49	85.71	0.67	13.16	≤30.00	PASS
11N40SISO	Ant1	5755	10.60	44.67	3.50	14.10	≤30.00	PASS
		5795	10.12	75.00	1.25	11.37	≤30.00	PASS

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

Appendix E.5: Maximum power spectral density

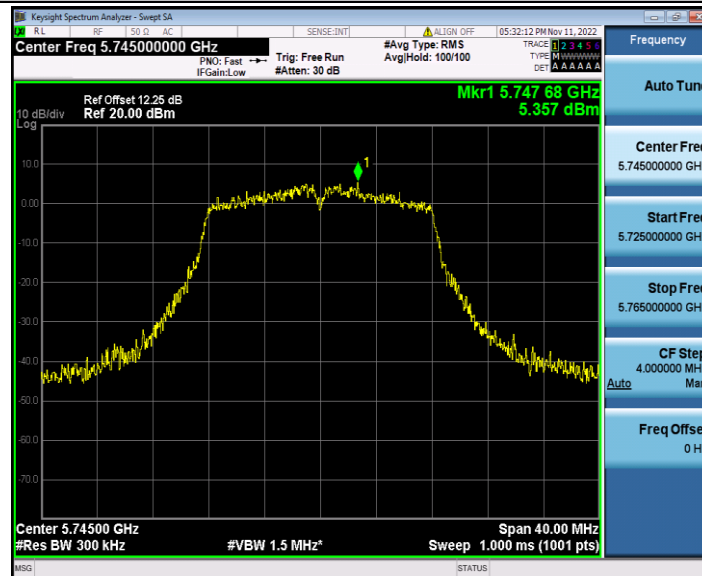
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	5.36	≤30.00	PASS
		5785	7.26	≤30.00	PASS
		5825	6.61	≤30.00	PASS
11N20SISO	Ant1	5745	6.03	≤30.00	PASS
		5785	7.09	≤30.00	PASS
		5825	6.99	≤30.00	PASS
11N40SISO	Ant1	5755	2.58	≤30.00	PASS
		5795	1.31	≤30.00	PASS

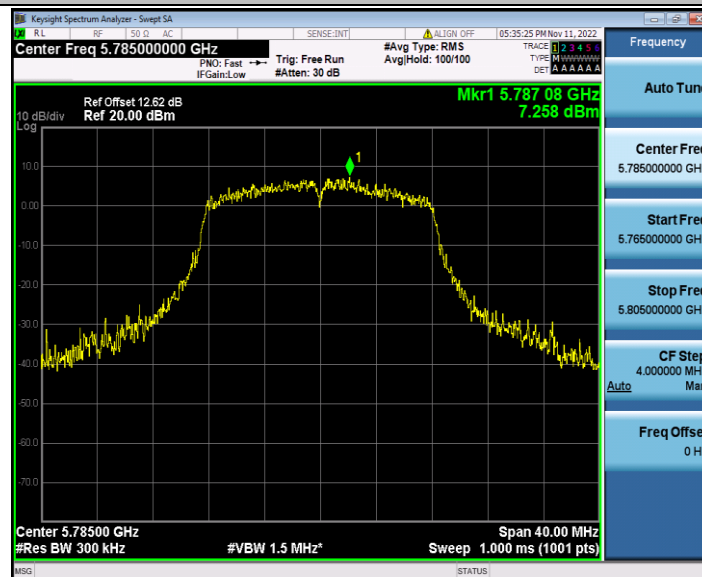
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5745



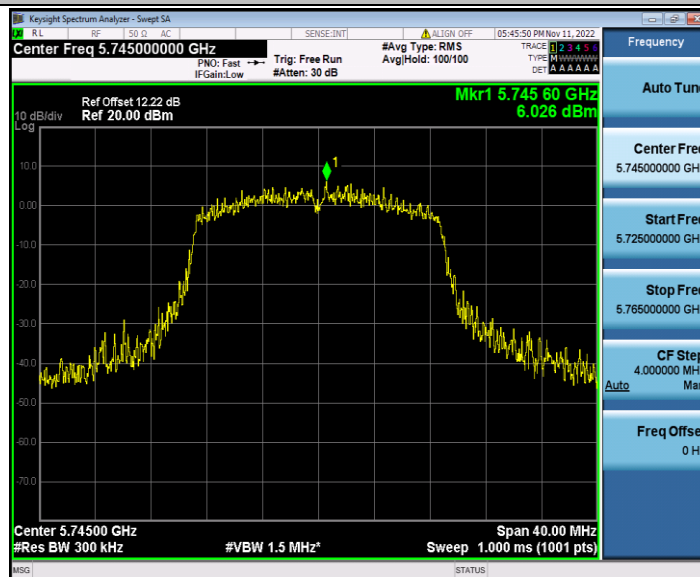
11A_Ant1_5785



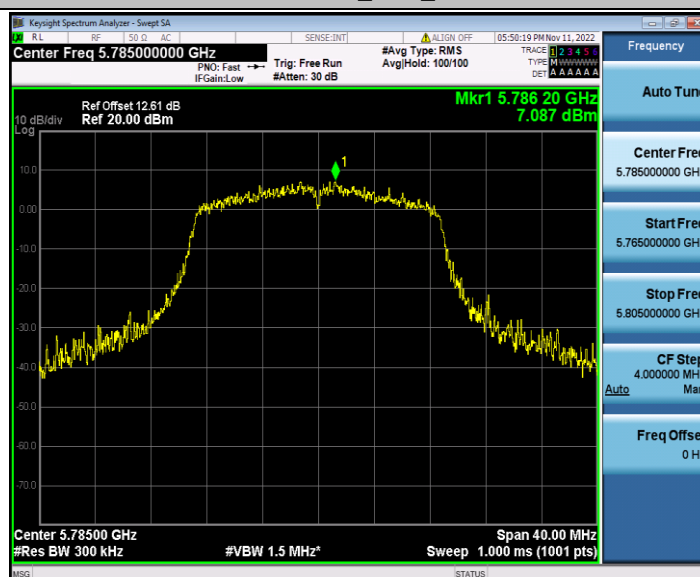
11A_Ant1_5825



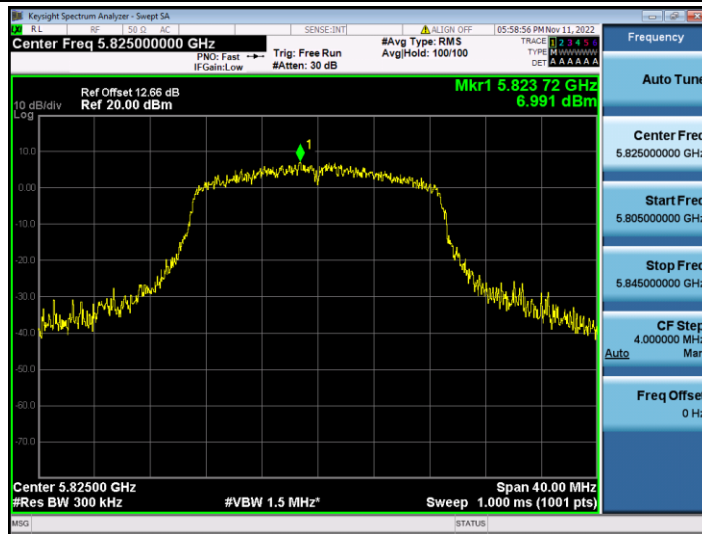
11N20SISO_Ant1_5745



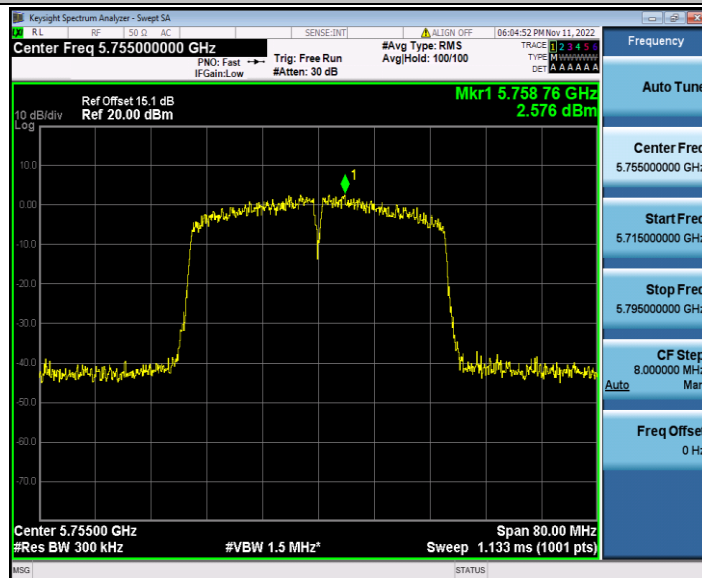
11N20SISO_Ant1_5785



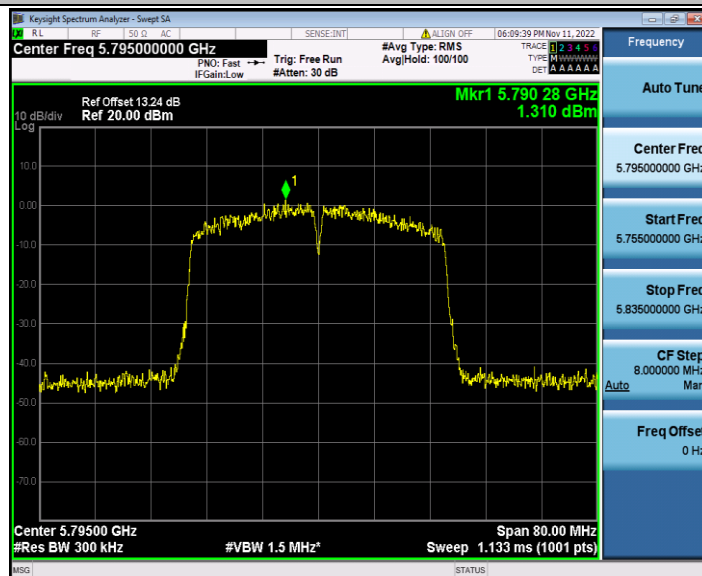
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



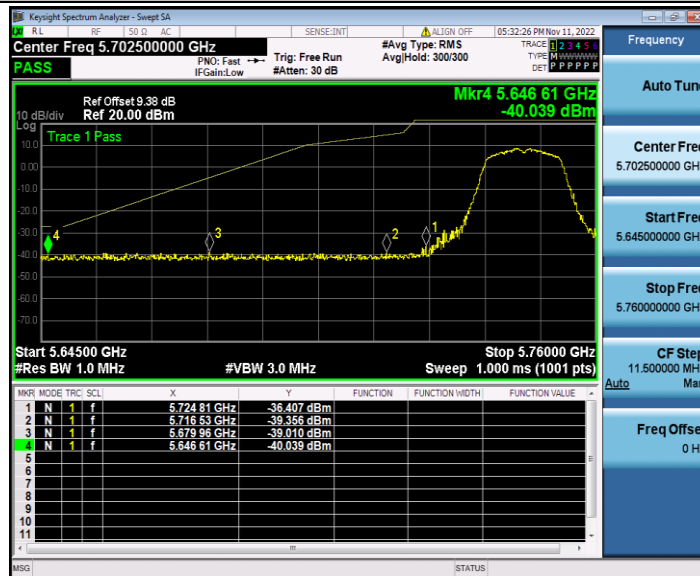
Appendix E.6: Band edge measurements

Test Result B4

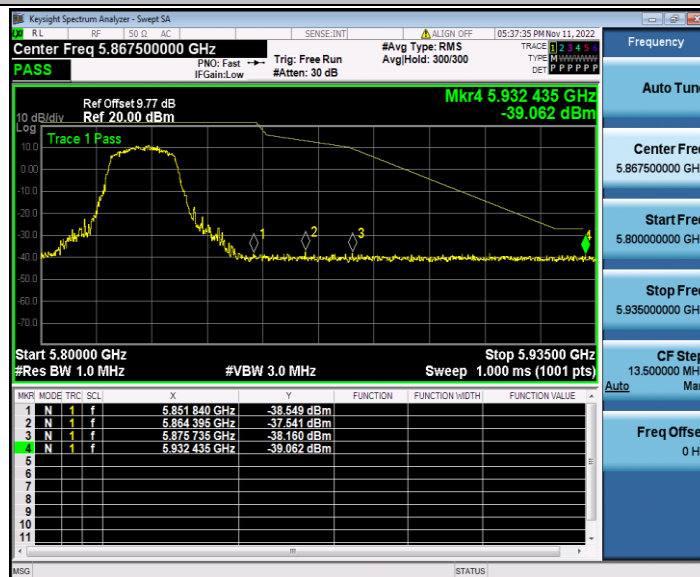
TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.01	≤ -4.83	PASS
				5700~5720	-39.36	≤ 14.63	PASS
				5720~5725	-36.41	≤ 26.57	PASS
				5760~5650	-40.04	≤ -27	PASS
		High	5825	5850~5855	-38.55	≤ 19.80	PASS
				5855~5875	-37.54	≤ 12.63	PASS
				5875~5925	-38.16	≤ -26.46	PASS
				5925~5935	-39.06	≤ -27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.19	≤ -5.43	PASS
				5700~5720	-38.86	≤ 13.73	PASS
				5720~5725	-34.18	≤ 25.78	PASS
				5760~5650	-39.38	≤ -27	PASS
		High	5825	5850~5855	-37.05	≤ 19.49	PASS
				5855~5875	-38.09	≤ 14.52	PASS
				5875~5925	-38.19	≤ -13.37	PASS
				5925~5935	-38.76	≤ -27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.19	≤ -13.42	PASS
				5700~5720	-38.39	≤ 15.54	PASS
				5720~5725	-36.11	≤ 19.43	PASS
				5780~5650	-40.12	≤ -27	PASS
		High	5795	5850~5855	-39.03	≤ 24.31	PASS
				5855~5875	-38.71	≤ 11.01	PASS
				5875~5925	-38.51	≤ -14.59	PASS
				5925~5935	-38.92	≤ -27	PASS

Test Graphs B4

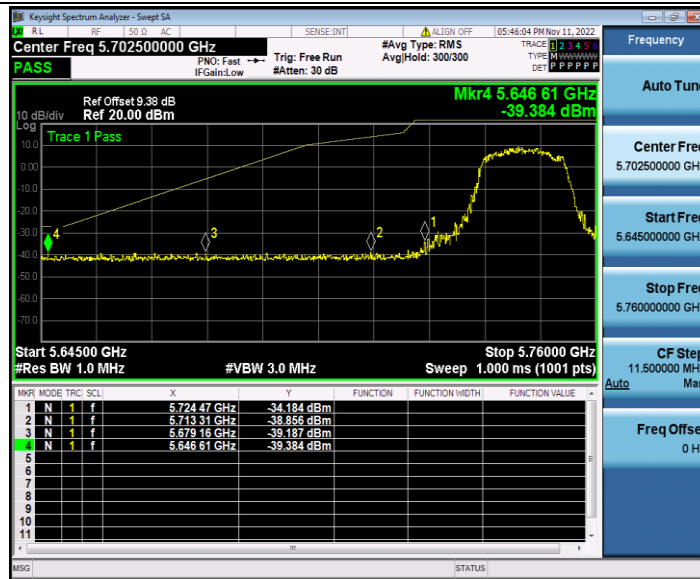
11A_Ant1_Low_5745



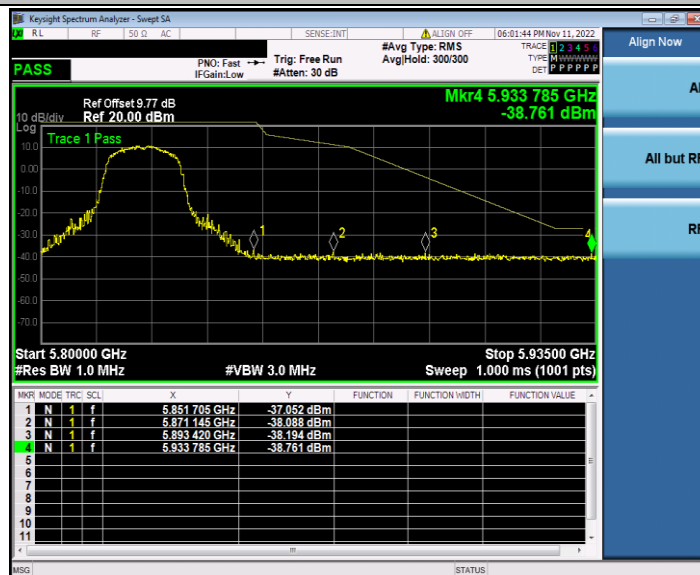
11A_Ant1_High_5825



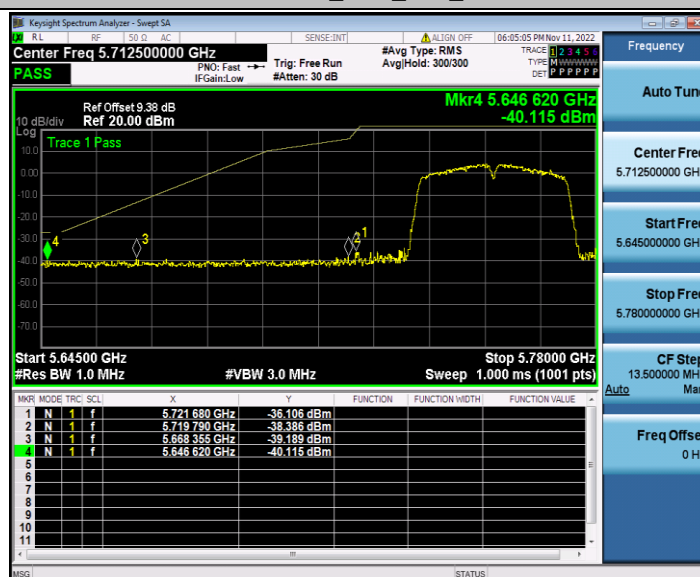
11N20SISO_Ant1_Low_5745



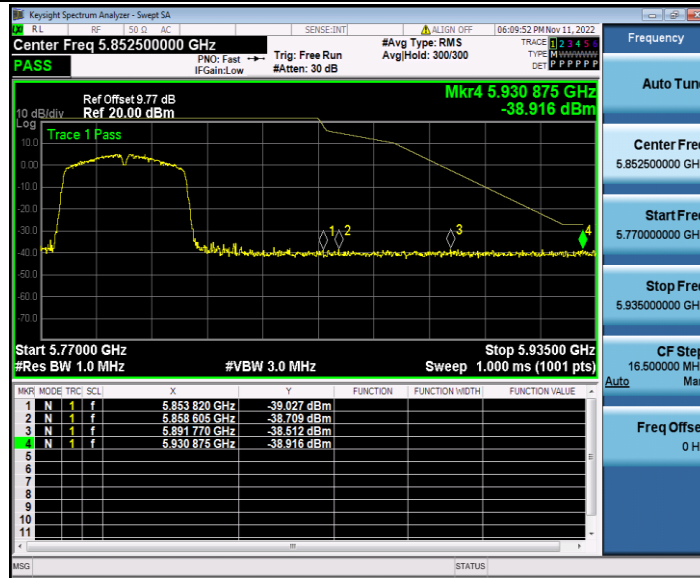
11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



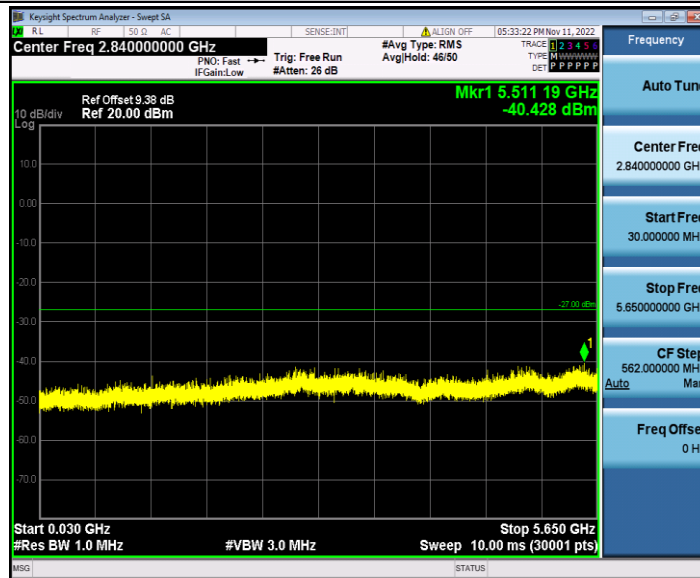
Appendix E.7: Conducted Spurious Emission

Test Result

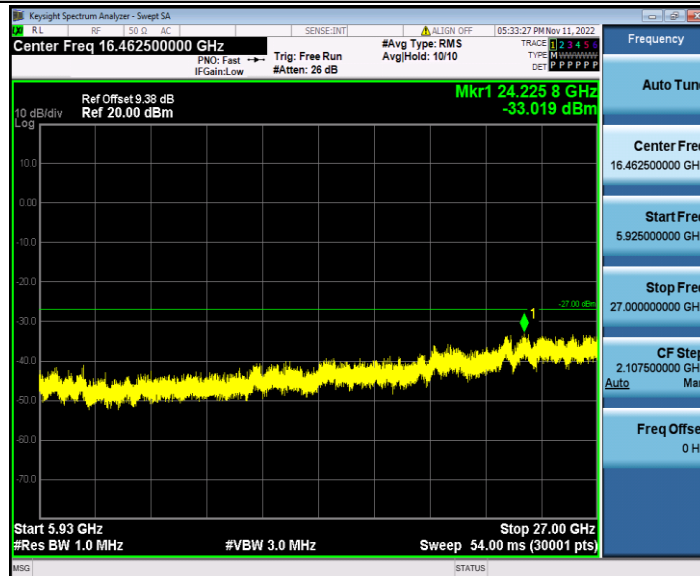
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5511.19	-40.43	≤-27	PASS
			5925~40000	24225.83	-33.02	≤-27	PASS
		5785	30~5650	5546.03	-40.59	≤-27	PASS
			5925~40000	26537.76	-32.11	≤-27	PASS
		5825	30~5650	5409.28	-40.68	≤-27	PASS
			5925~40000	24253.93	-32.26	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5454.99	-40.08	≤-27	PASS
			5925~40000	24213.18	-32.43	≤-27	PASS
		5785	30~5650	5437.75	-39.76	≤-27	PASS
			5925~40000	26585.53	-31.8	≤-27	PASS
		5825	30~5650	2701.19	-40.66	≤-27	PASS
			5925~40000	26466.8	-32.03	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5343.15	-40.93	≤-27	PASS
			5925~40000	25998.94	-32.69	≤-27	PASS
		5795	30~5650	3150.22	-40.39	≤-27	PASS
			5925~40000	24142.23	-32.5	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



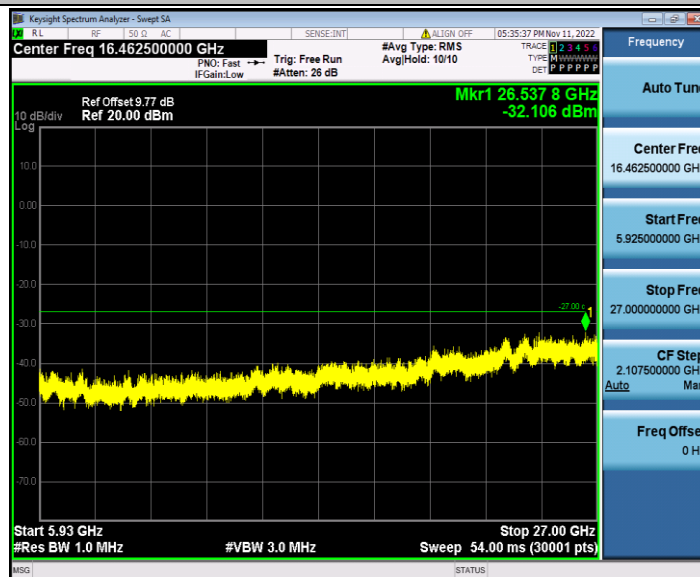
11A_Ant1_5745_5925~40000



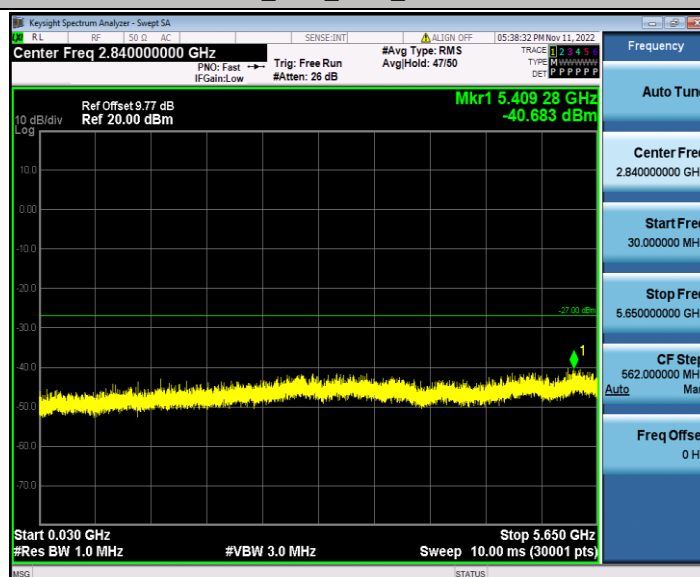
11A_Ant1_5785_30~5650



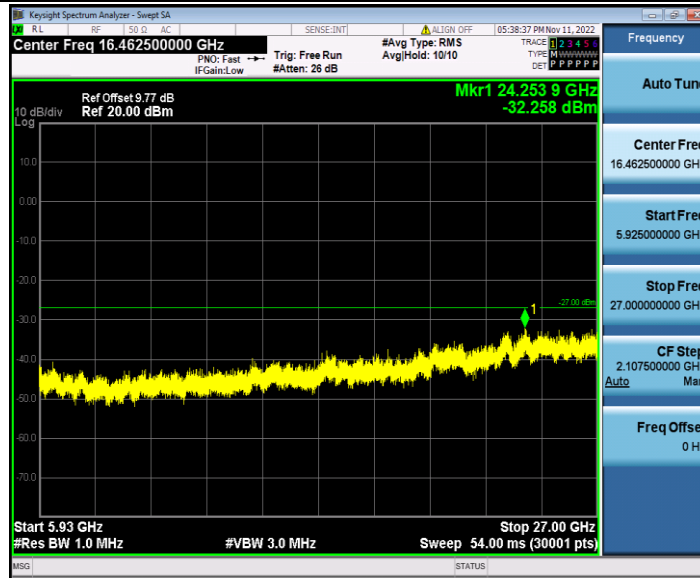
11A_Ant1_5785_5925~40000



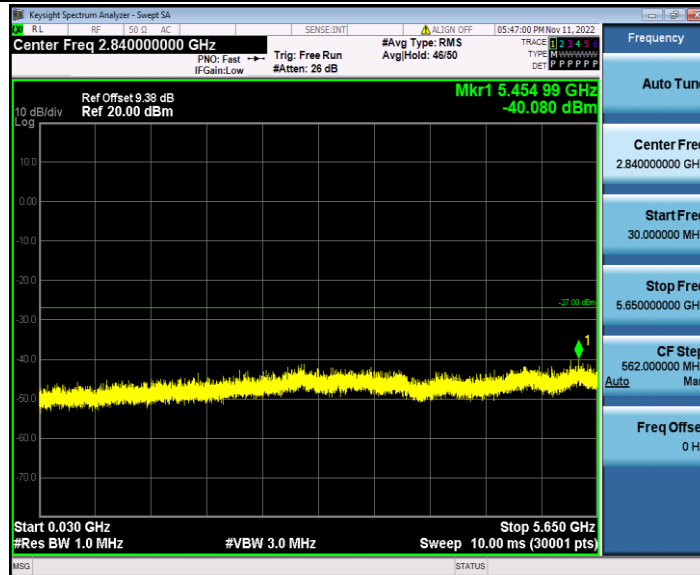
11A_Ant1_5825_30~5650



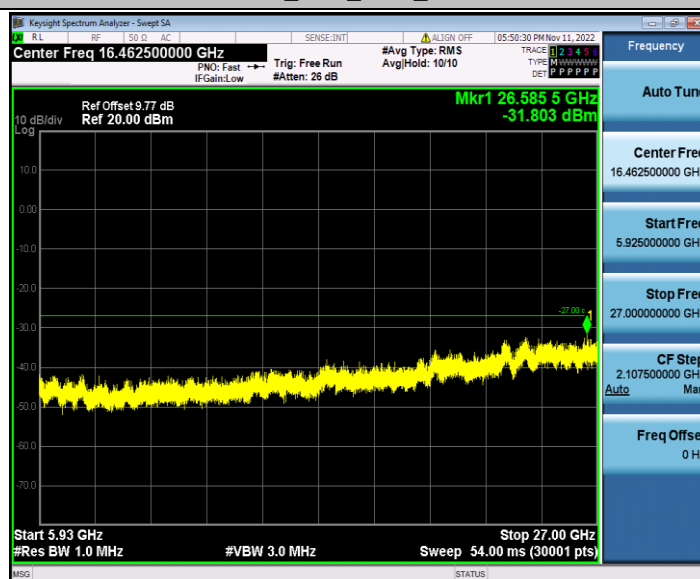
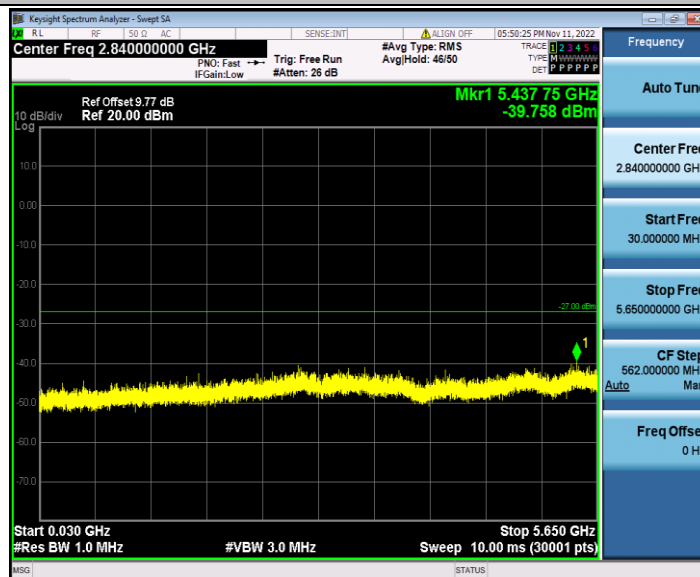
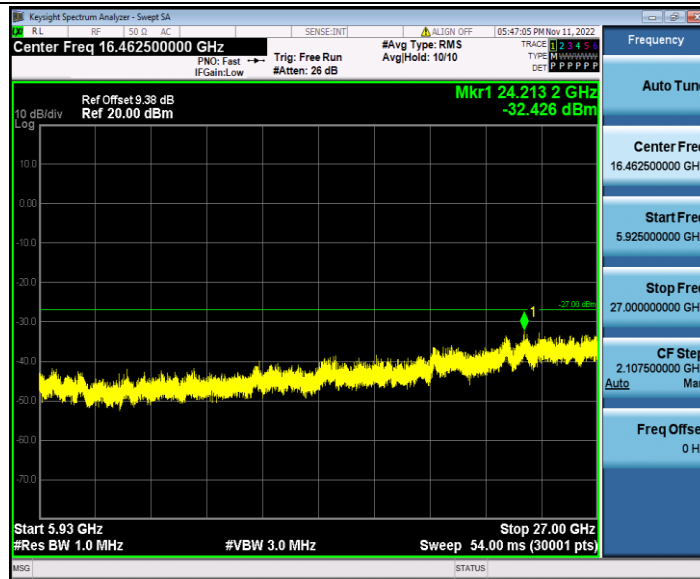
11A_Ant1_5825_5925-40000



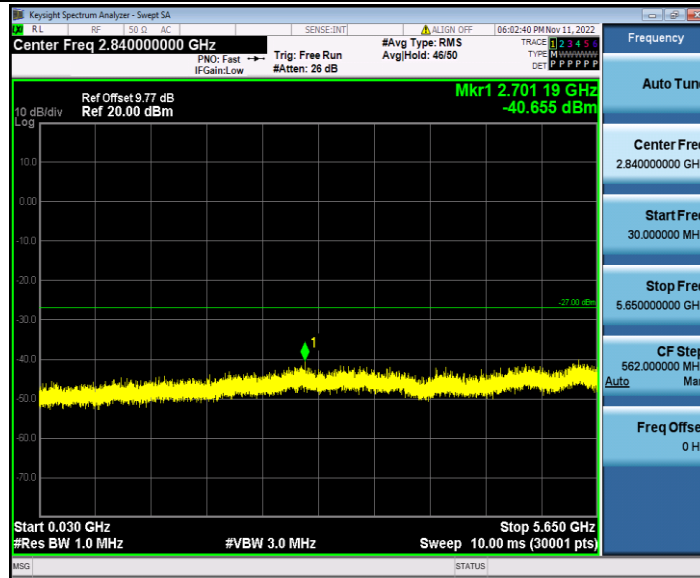
11N20SISO_Ant1_5745_30-5650



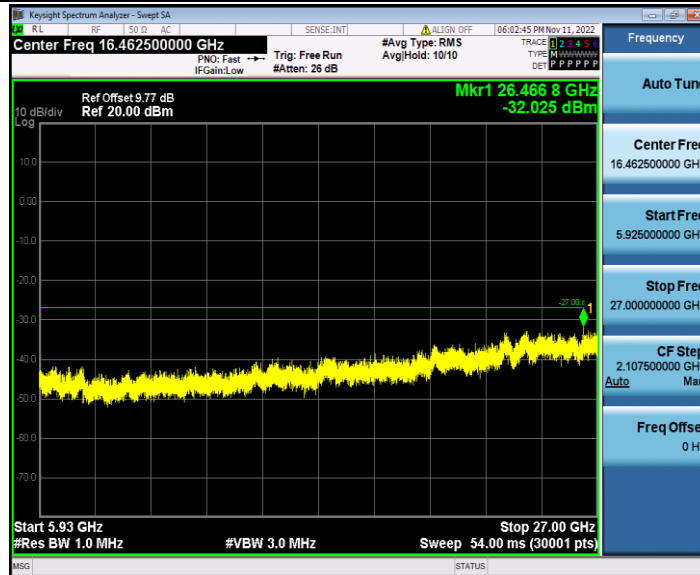
11N20SISO_Ant1_5745_5925-40000



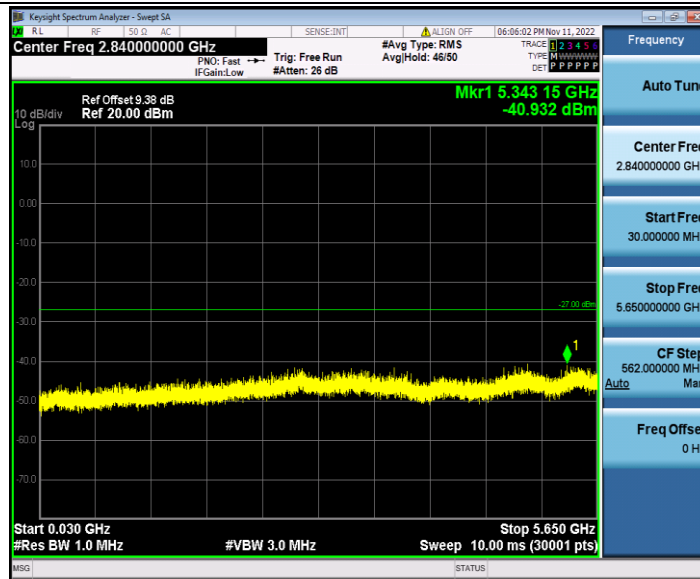
11N20SISO_Ant1_5825_30~5650



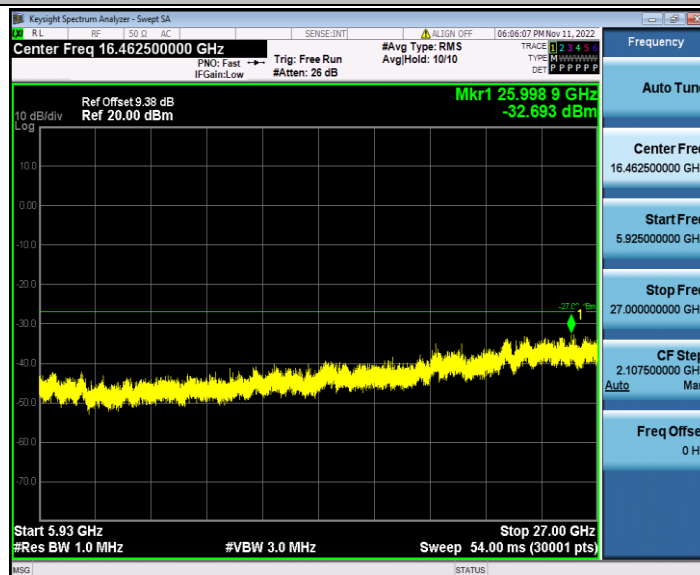
11N20SISO_Ant1_5825_5925~40000



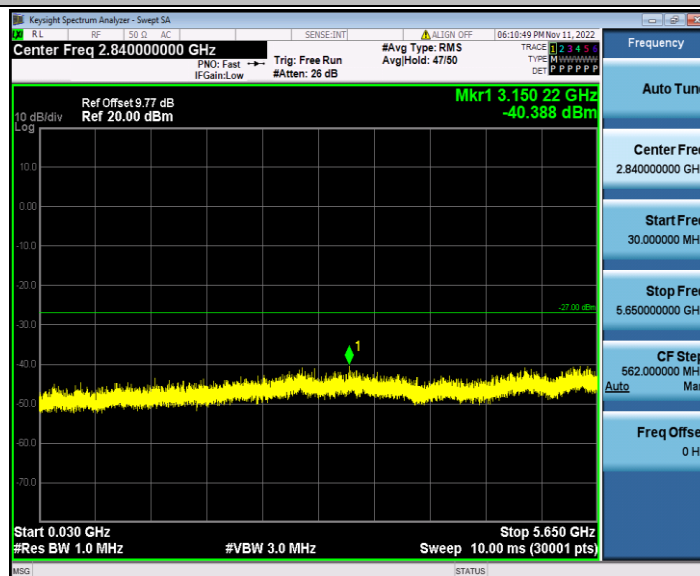
11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925-40000



11N40SISO_Ant1_5795_30-5650



11N40SISO_Ant1_5795_5925~40000

