

Case No. : <u>GTS20250325005-4-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.9</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

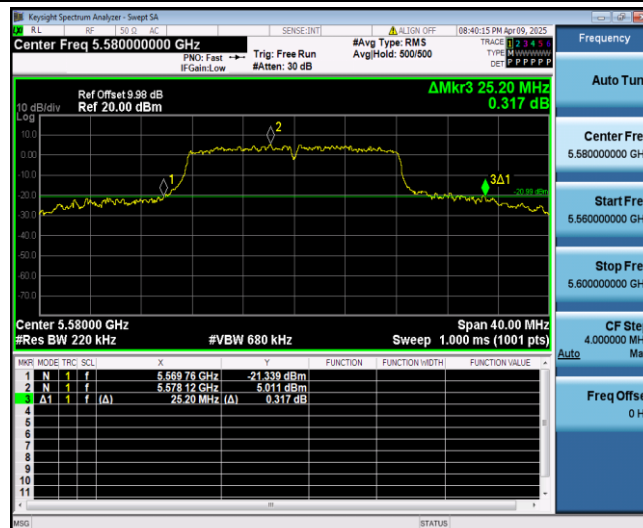
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	19.760	5490.040	5509.800	---	---
		5580	25.200	5569.760	5594.960	---	---
		5700	19.760	5689.880	5709.640	---	---
11N20SISO	Ant1	5500	20.360	5489.880	5510.240	---	---
		5580	22.000	5569.640	5591.640	---	---
		5700	20.440	5689.680	5710.120	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



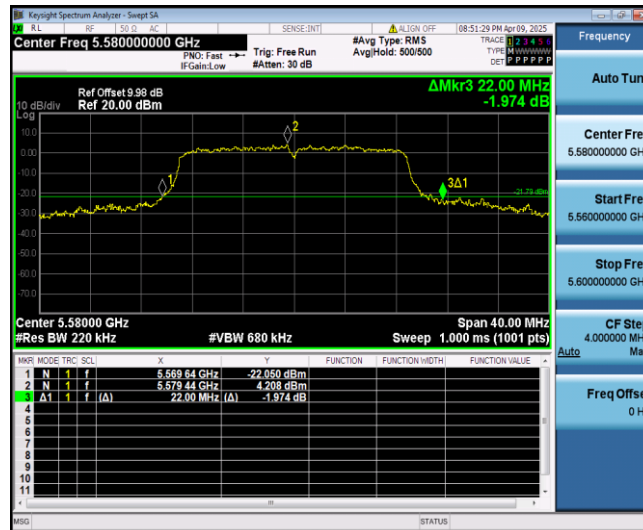
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



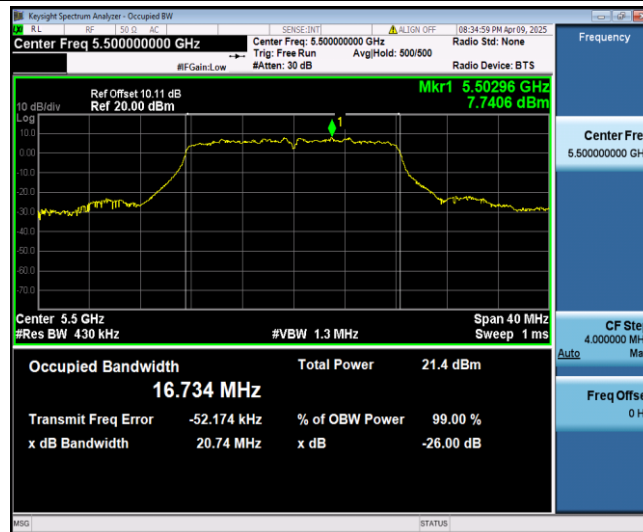
Appendix E.2: Occupied channel bandwidth

Test Result

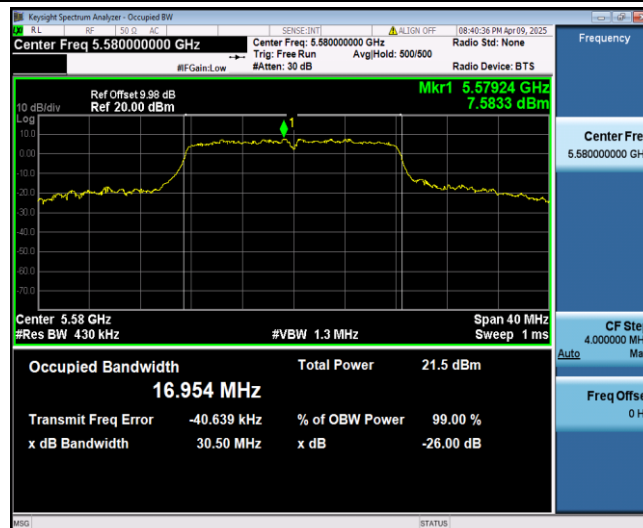
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.734	5491.5808	5508.3148	---	---
		5580	16.954	5571.4824	5588.4364	---	---
		5700	16.773	5691.5303	5708.3033	---	---
11N20SISO	Ant1	5500	17.791	5491.0417	5508.8327	---	---
		5580	17.896	5570.9943	5588.8903	---	---
		5700	17.813	5691.0117	5708.8247	---	---

Test Graphs

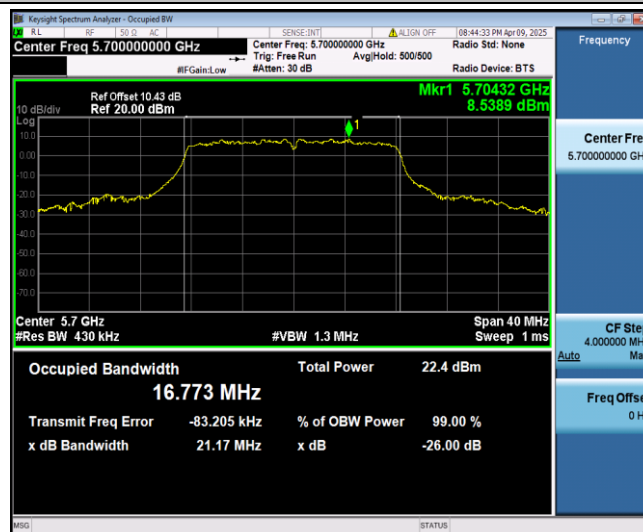
11A_Ant1_5500



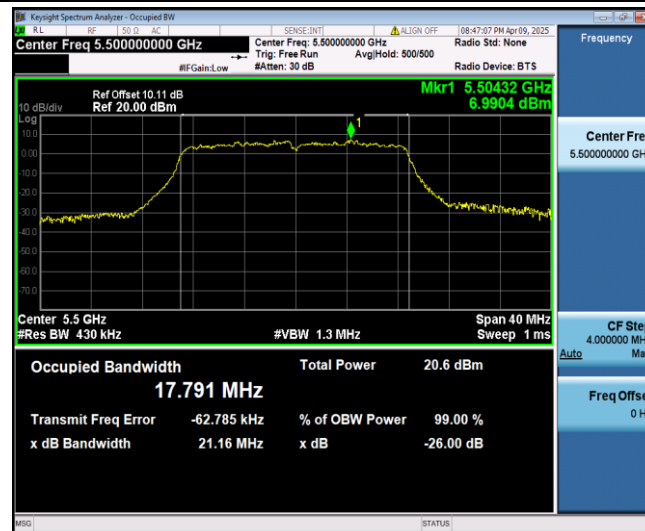
11A_Ant1_5580



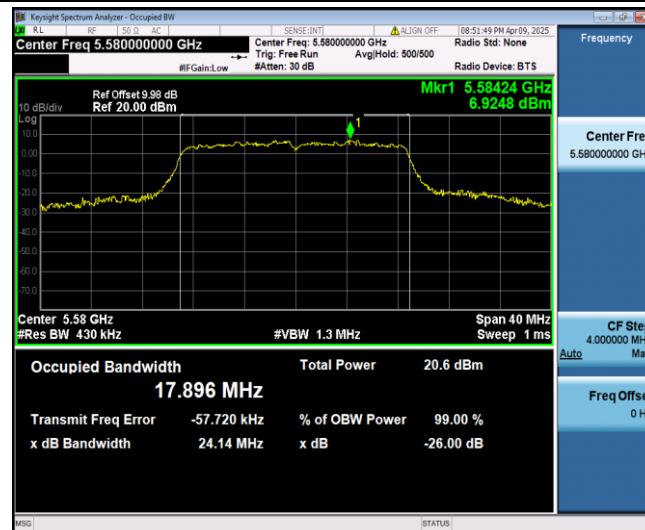
11A_Ant1_5700



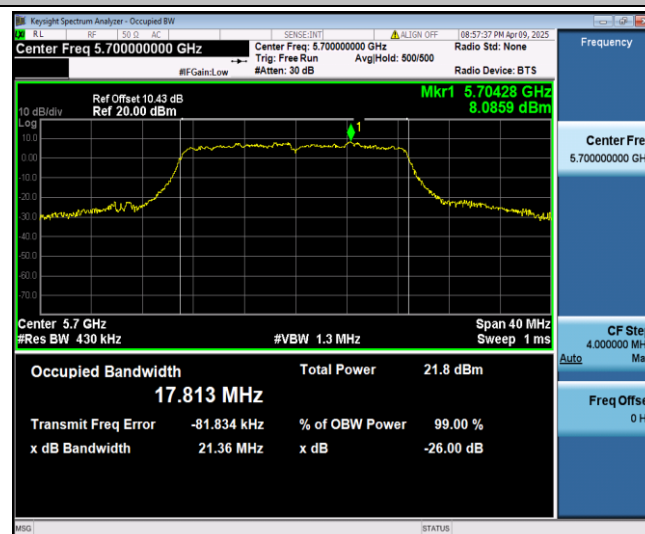
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



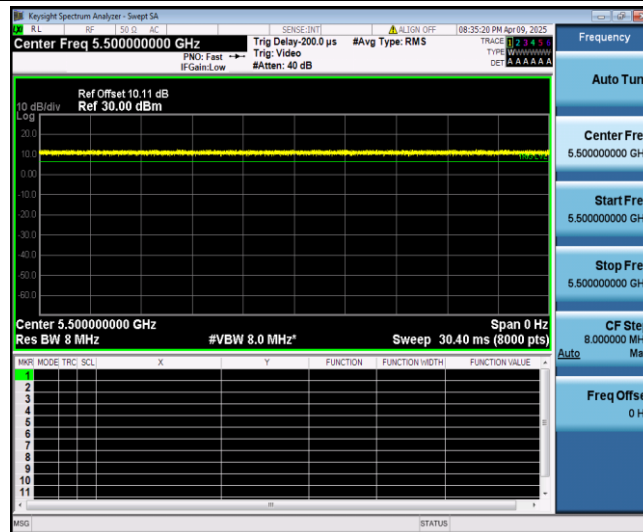
Appendix E.3: Duty Cycle

Test Result

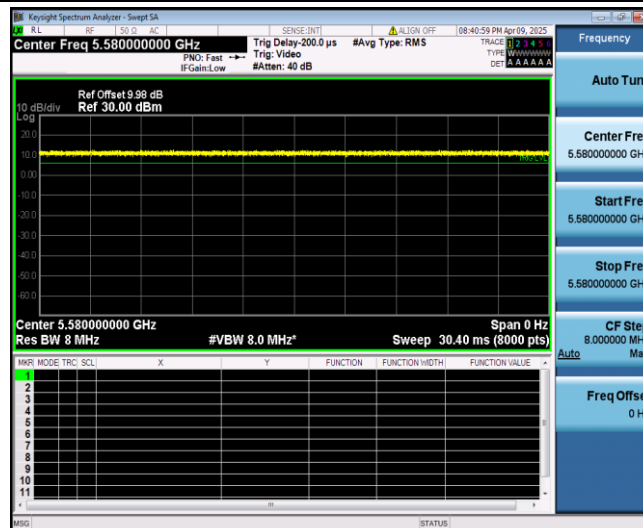
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03

Test Graphs

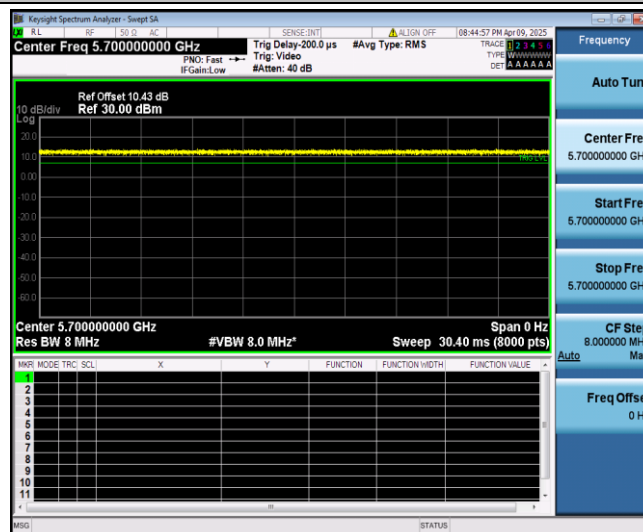
11A_Ant1_5500



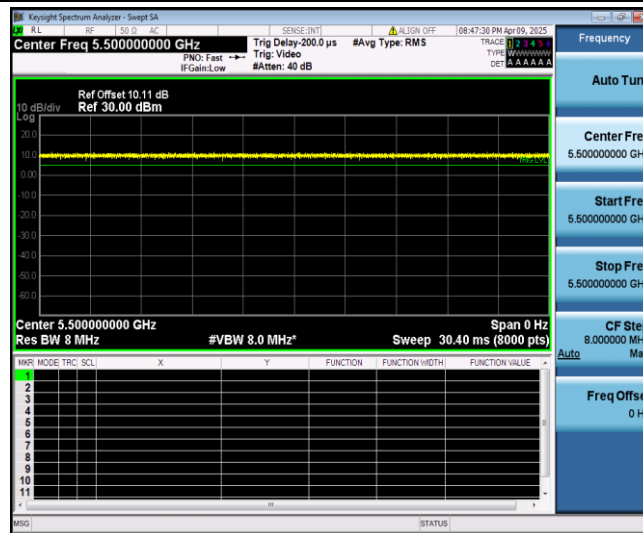
11A_Ant1_5580



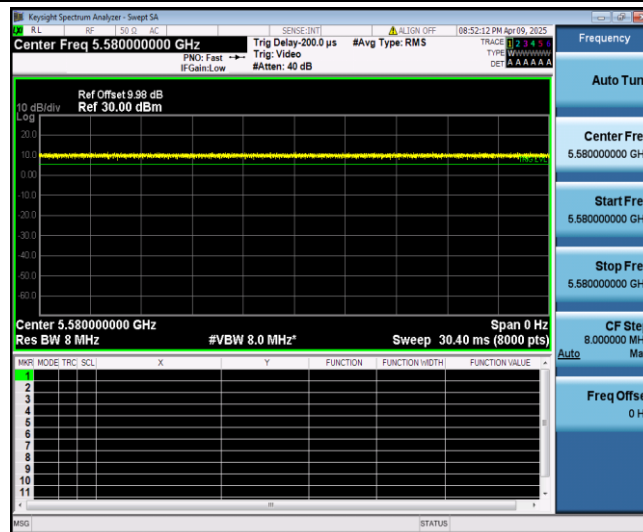
11A_Ant1_5700



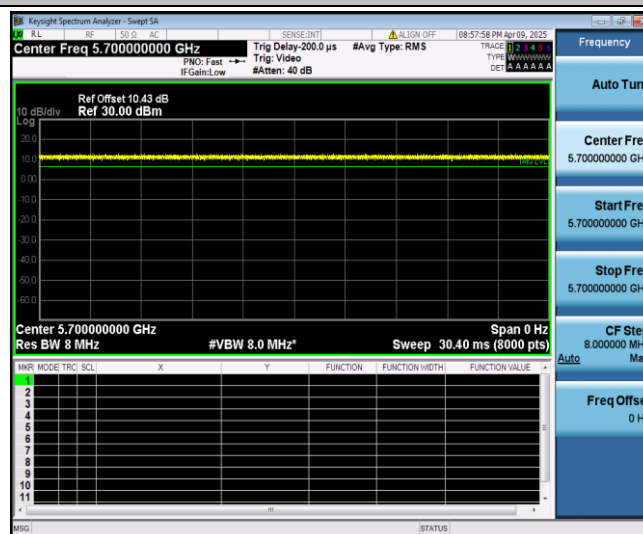
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	16.32	100.00	0.00	16.32	≤23.49	PASS
		5580	16.37	100.00	0.00	16.37	≤23.49	PASS
		5700	16.37	100.00	0.00	16.37	≤23.49	PASS
11N20SISO	Ant1	5500	16.33	100.00	0.00	16.33	≤23.49	PASS
		5580	16.42	100.00	0.00	16.42	≤23.49	PASS
		5700	16.72	100.00	0.00	16.72	≤23.49	PASS

Appendix E.5: Maximum power spectral density

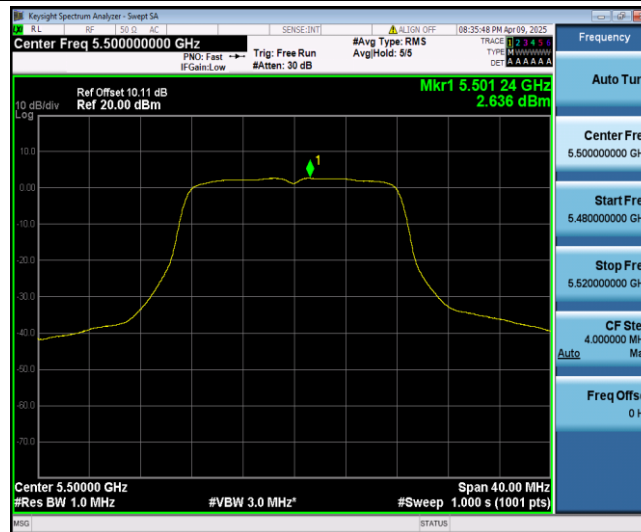
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	2.64	≤ 10.53	PASS
		5580	2.76	≤ 10.53	PASS
		5700	4.06	≤ 10.53	PASS
11N20SISO	Ant1	5500	1.42	≤ 10.53	PASS
		5580	1.50	≤ 10.53	PASS
		5700	2.81	≤ 10.53	PASS

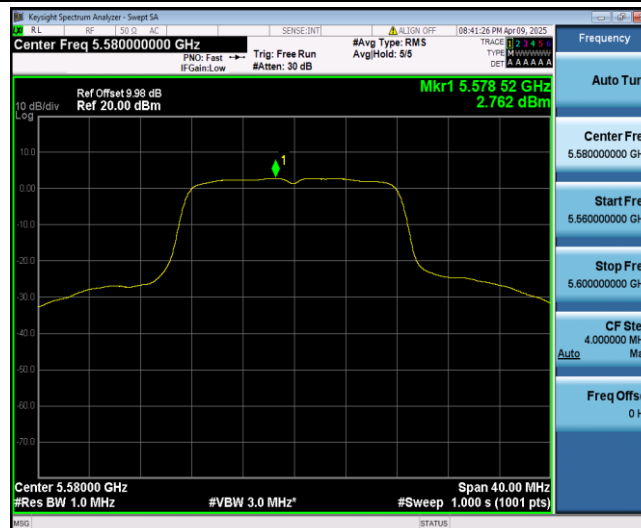
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5500



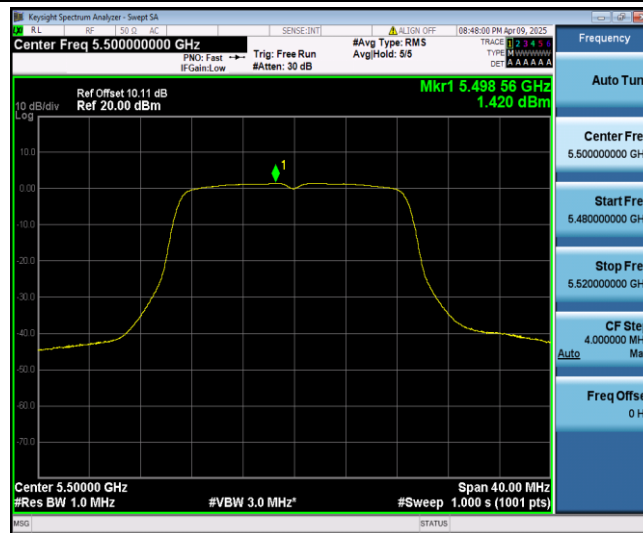
11A_Ant1_5580



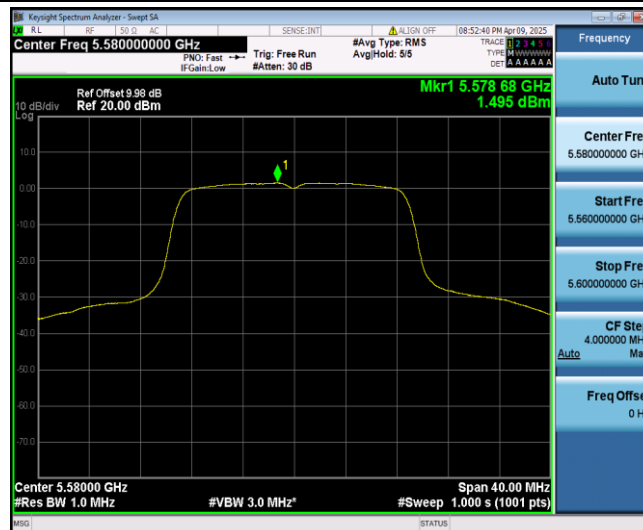
11A_Ant1_5700



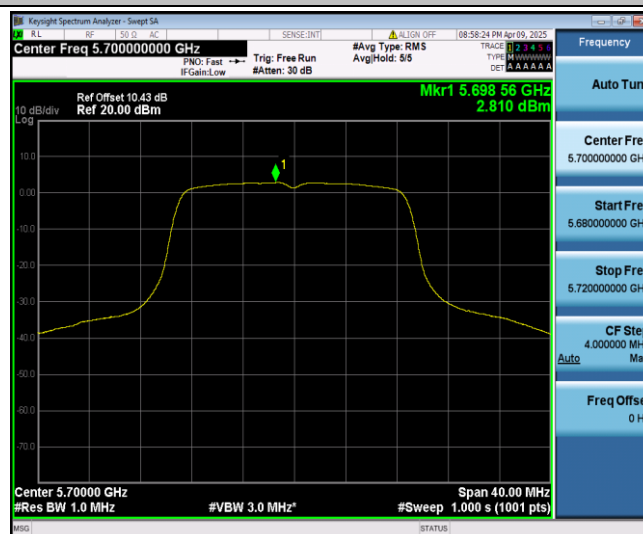
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



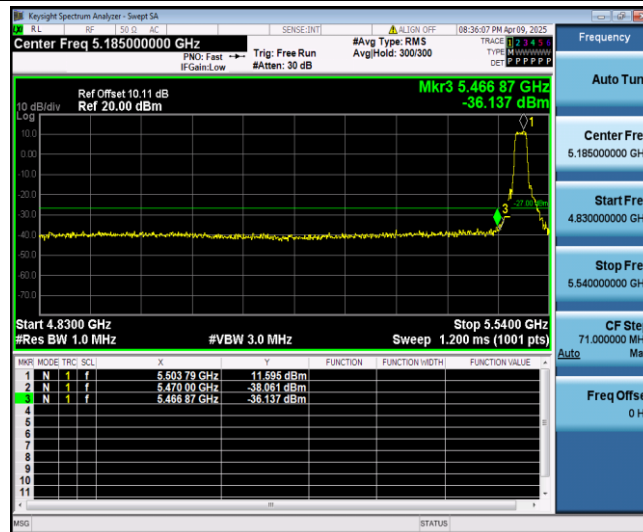
Appendix E.6: Band edge measurements

Test Result B3

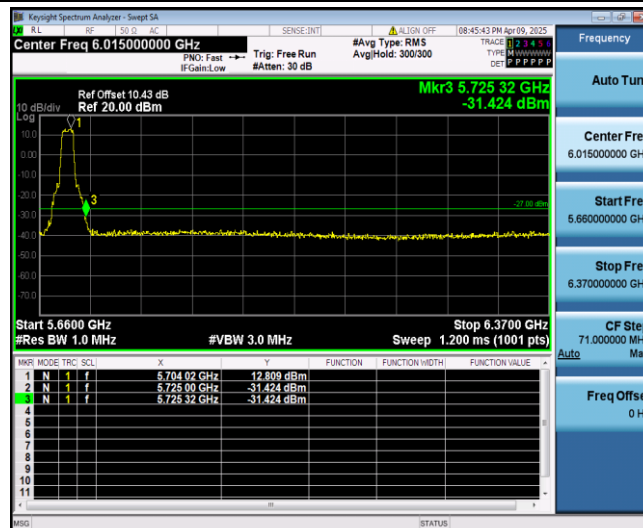
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-36.14	≤ -27	PASS
		High	5700	-31.42	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-37.03	≤ -27	PASS
		High	5700	-33.86	≤ -27	PASS

Test Graphs B3

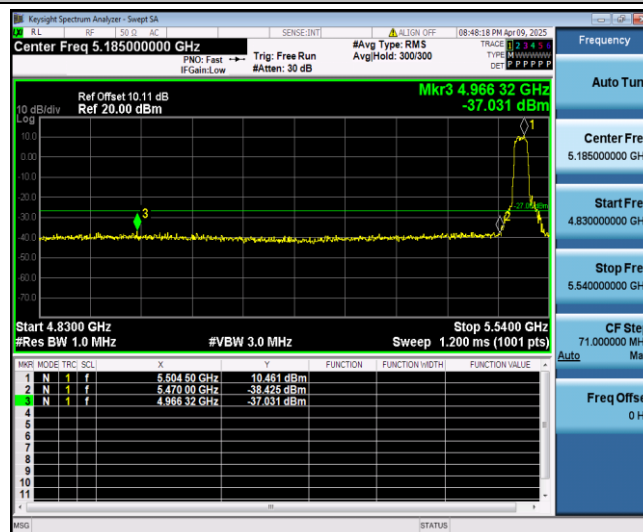
11A_Ant1_Low_5500

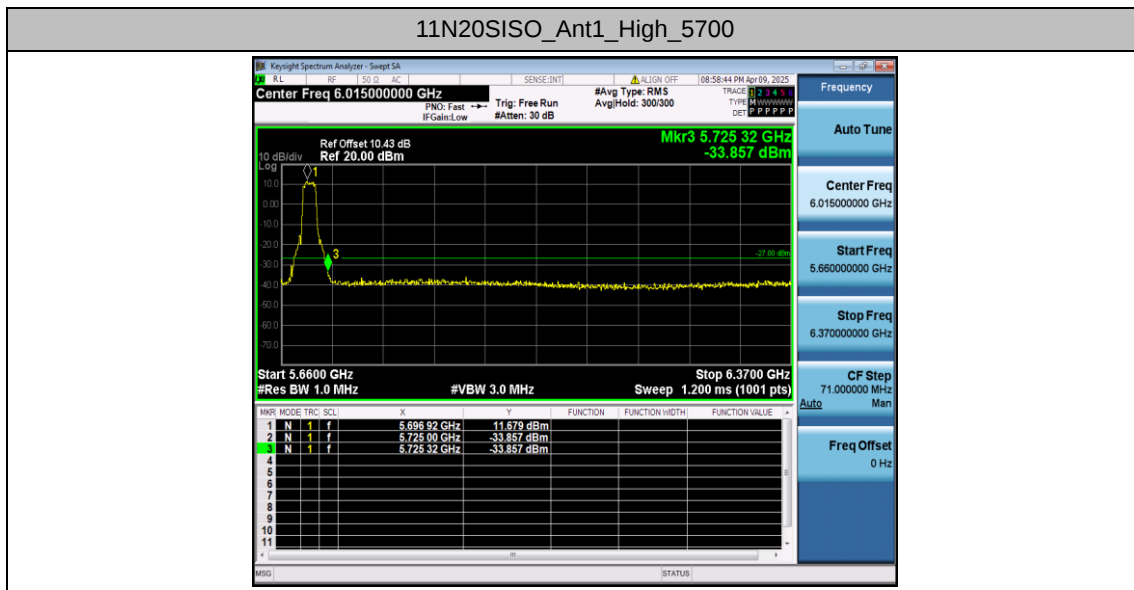


11A_Ant1_High_5700



11N20SISO_Ant1_Low_5500





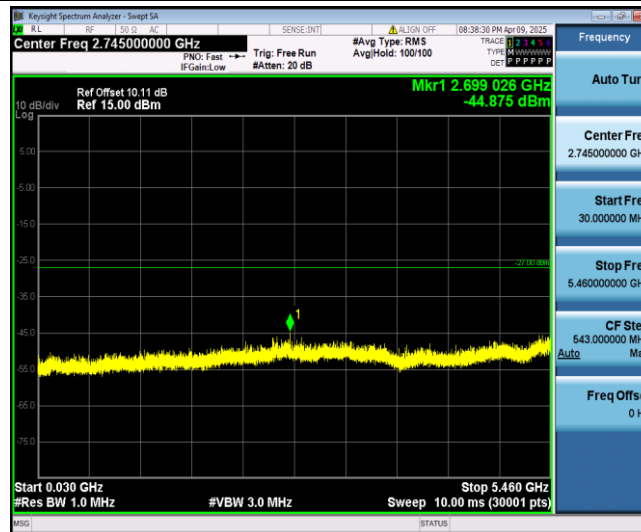
Appendix E.7: Conducted Spurious Emission

Test Result

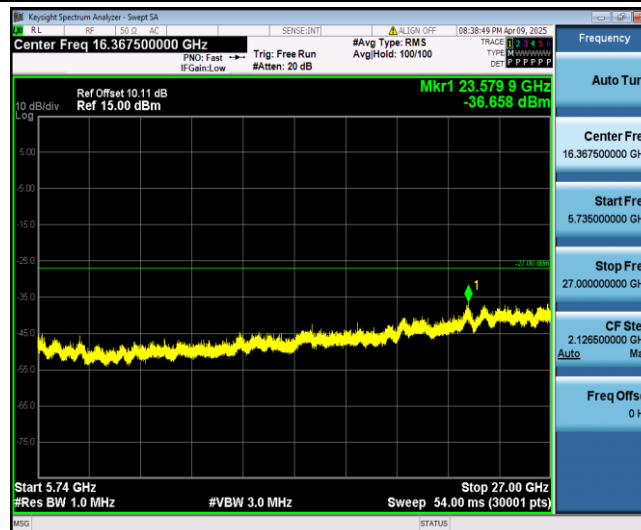
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	2699.03	-44.88	≤-27	PASS
			5735~27000	23579.88	-36.66	≤-27	PASS
		5580	30~5460	5417.28	-44.71	≤-27	PASS
			5735~27000	24799.78	-35.59	≤-27	PASS
		5700	30~5460	5459.28	-44.3	≤-27	PASS
			5735~27000	24284.46	-35.78	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5404.43	-45.94	≤-27	PASS
			5735~27000	24238.39	-36.05	≤-27	PASS
		5580	30~5460	5421.45	-45	≤-27	PASS
			5735~27000	25644.71	-36.8	≤-27	PASS
		5700	30~5460	5451.67	-45.16	≤-27	PASS
			5735~27000	26834.84	-36.98	≤-27	PASS

Test Graphs

11A_Ant1_5500_30-5460



11A_Ant1_5500_5735-27000



11A_Ant1_5580_30-5460



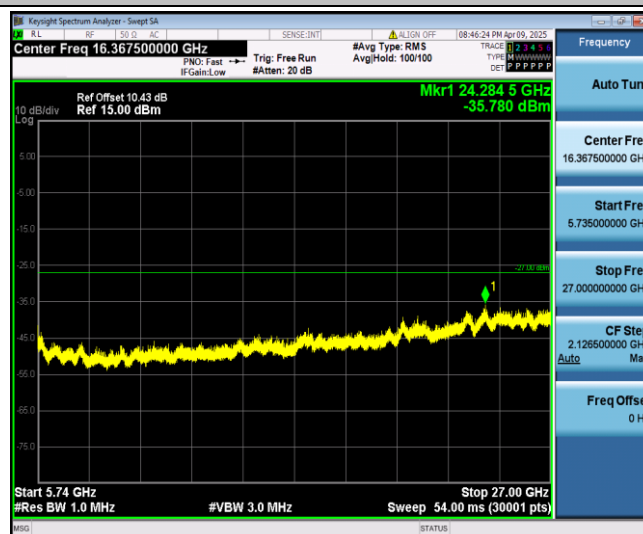
11A_Ant1_5580_5735-27000



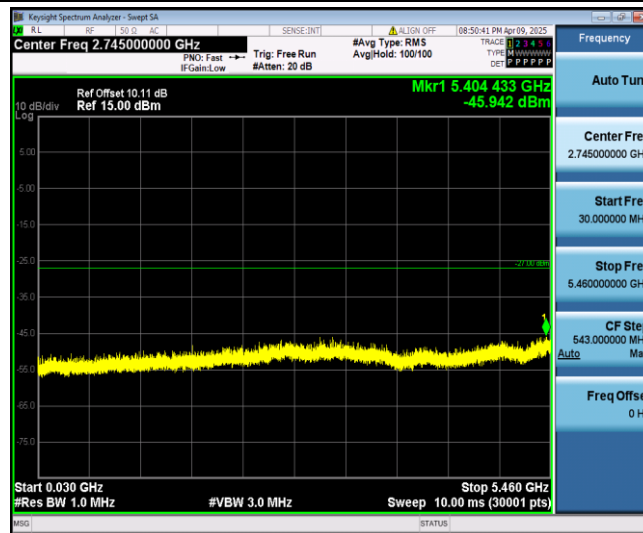
11A_Ant1_5700_30-5460



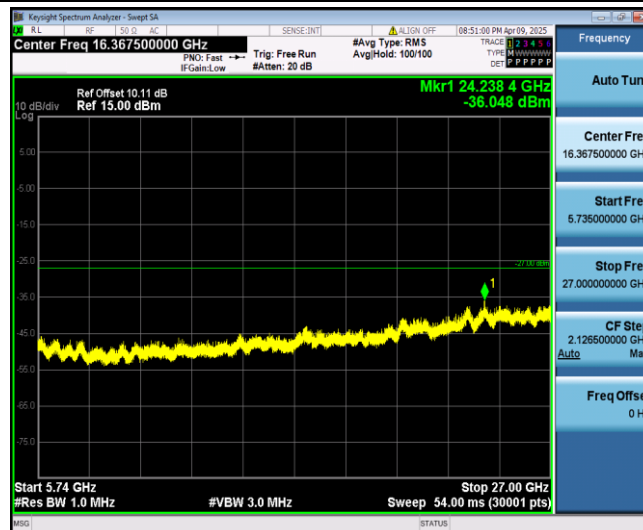
11A_Ant1_5700_5735-27000



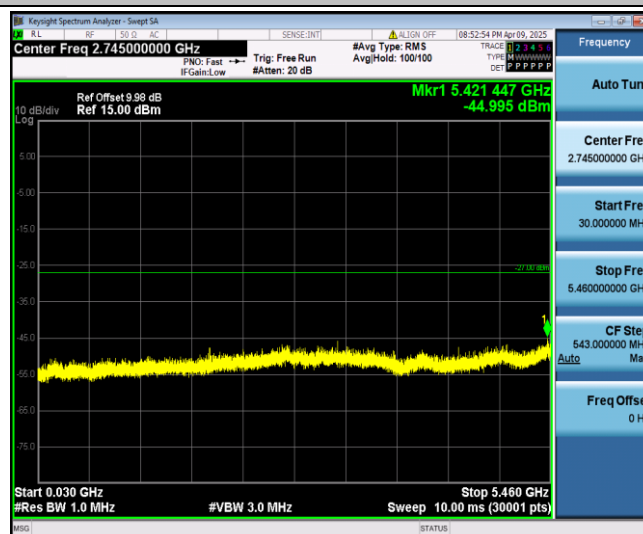
11N20SISO_Ant1_5500_30-5460



11N20SISO_Ant1_5500_5735-27000



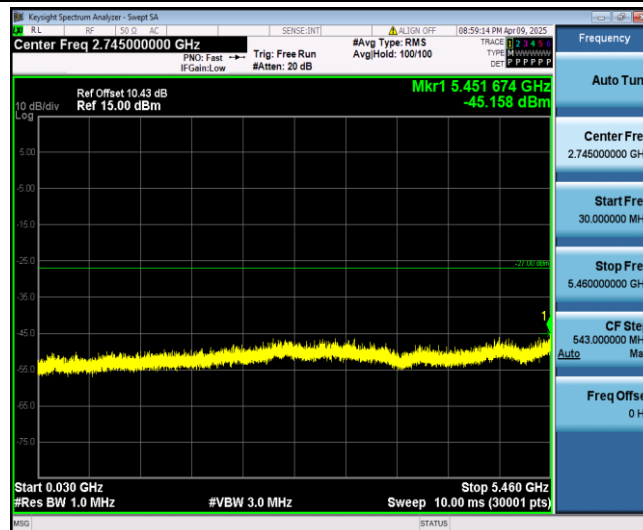
11N20SISO_Ant1_5580_30-5460



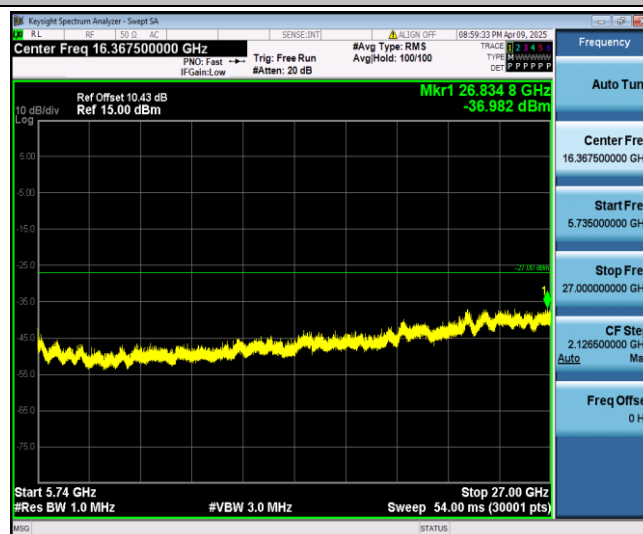
11N20SISO_Ant1_5580_5735-27000



11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~27000



Appendix E.8: Emissions in Restricted Bands

Test Result

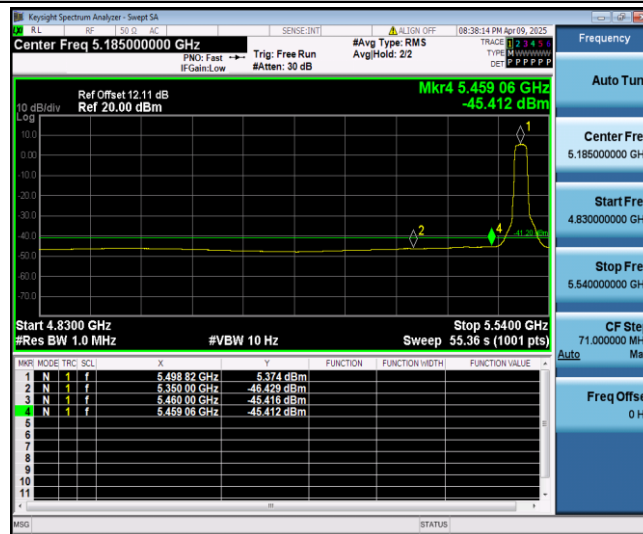
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.43	≤-41.20	48.77	≤54	PASS
				AV	5459.060	-45.41	≤-41.20	49.79	≤54	PASS
				AV	5460.000	-45.42	≤-41.20	49.78	≤54	PASS
				Peak	5350.000	-42.78	≤-21.20	52.42	≤74	PASS
				Peak	5393.030	-37.45	≤-21.20	57.75	≤74	PASS
				Peak	5460.000	-44.2	≤-21.20	51.00	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.4	≤-41.20	48.80	≤54	PASS
				AV	5455.510	-45.4	≤-41.20	49.80	≤54	PASS
				AV	5460.000	-45.43	≤-41.20	49.77	≤54	PASS
				Peak	5350.000	-43.2	≤-21.20	52.00	≤74	PASS
				Peak	5432.080	-37.73	≤-21.20	57.47	≤74	PASS
				Peak	5460.000	-38.3	≤-21.20	56.90	≤74	PASS

Note:

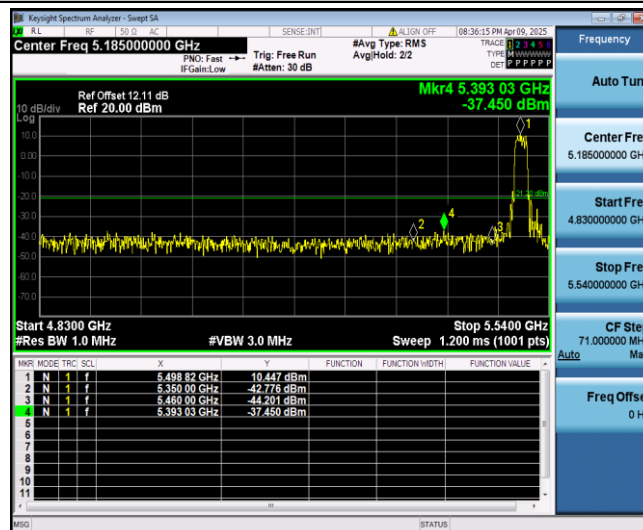
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

11A_Ant1_Low_5500_AV



11A_Ant1_Low_5500_Peak



11N20SISO_Ant1_Low_5500_AV

