

Case No. : <u>GTS20250807004-6-05</u>
Ambient Condition: <u>22</u> °C, <u>55</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.8.13-2025.8.25</u> Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

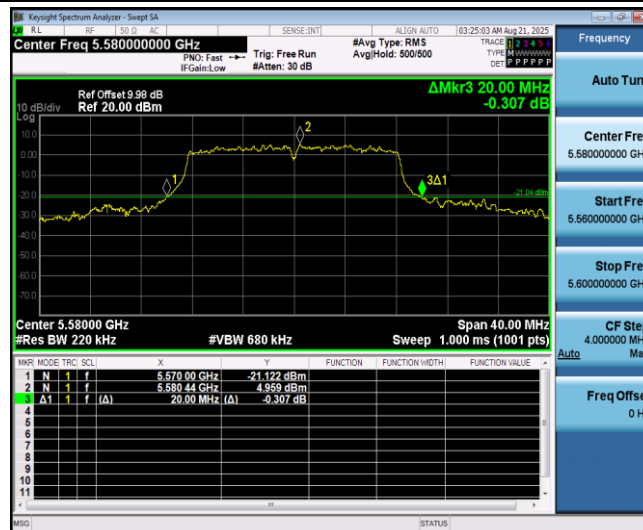
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	19.800	5489.960	5509.760	---	---
		5580	20.000	5570.000	5590.000	---	---
		5700	25.320	5687.880	5713.200	---	---
11N20SISO	Ant1	5500	20.440	5489.800	5510.240	---	---
		5580	20.640	5569.640	5590.280	---	---
		5700	21.160	5689.520	5710.680	---	---

Test Graphs

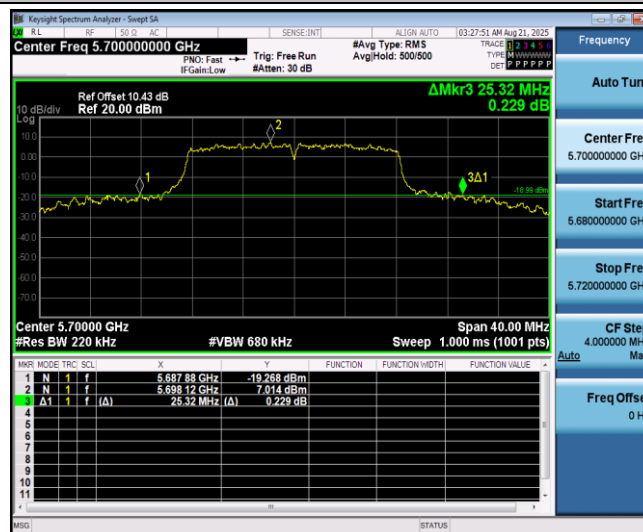
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



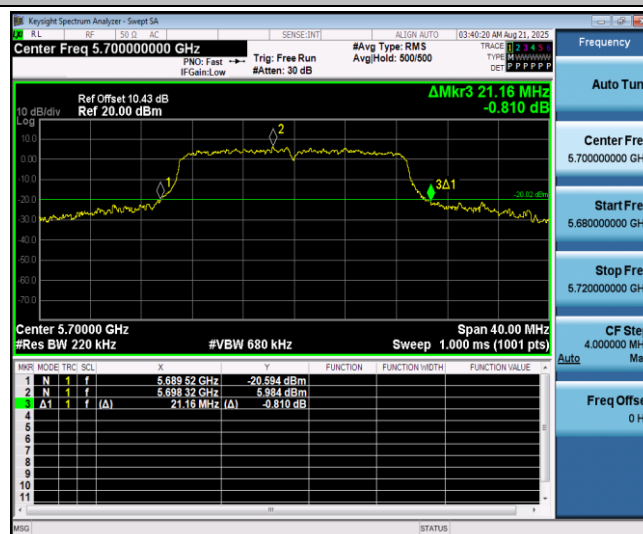
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



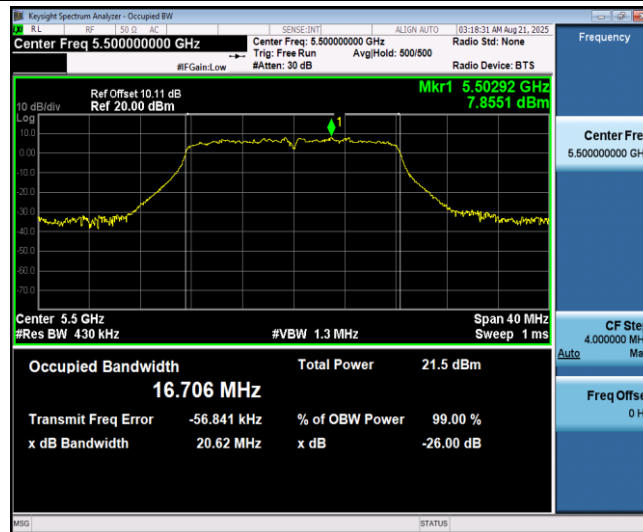
Appendix E.2: Occupied channel bandwidth

Test Result

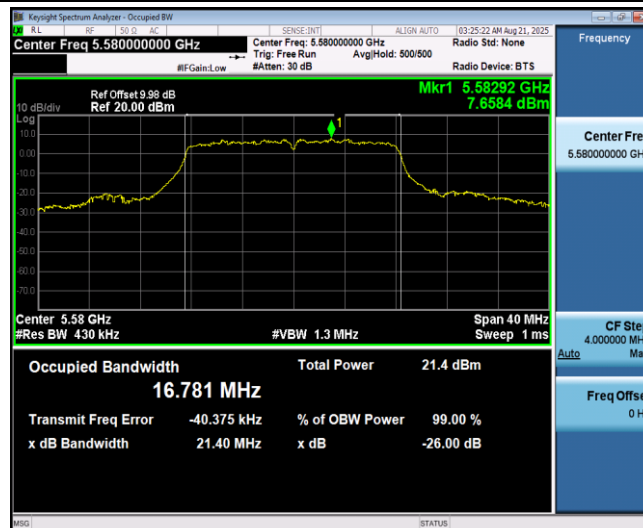
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.706	5491.5902	5508.2962	---	---
		5580	16.781	5571.5691	5588.3501	---	---
		5700	16.928	5691.4530	5708.3810	---	---
11N20SISO	Ant1	5500	17.776	5491.0367	5508.8127	---	---
		5580	17.834	5571.0228	5588.8568	---	---
		5700	17.885	5690.9644	5708.8494	---	---

Test Graphs

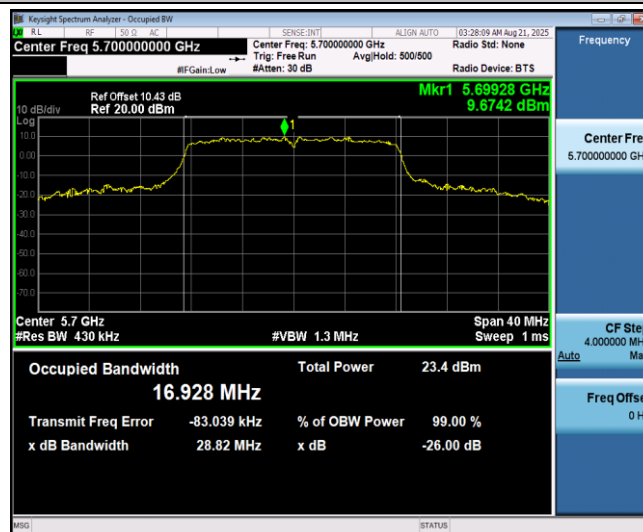
11A_Ant1_5500



11A_Ant1_5580



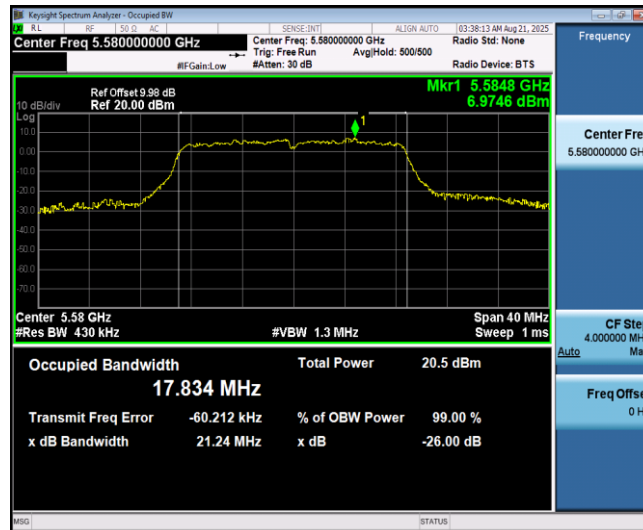
11A_Ant1_5700



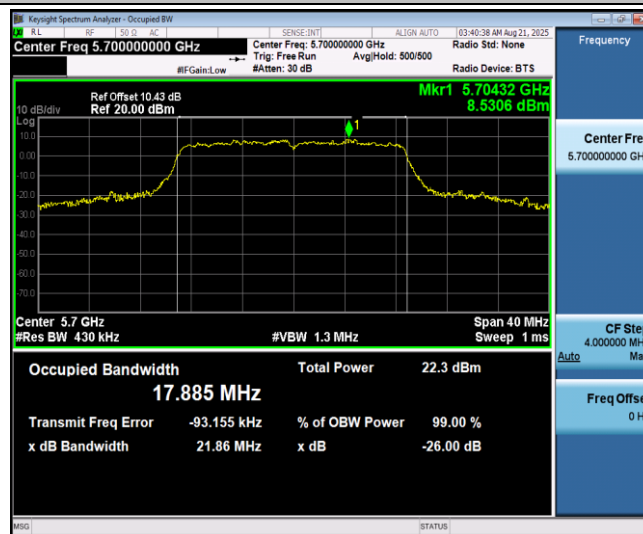
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



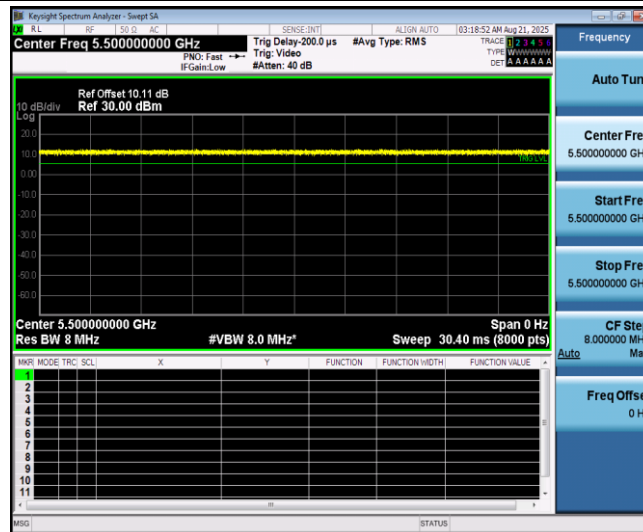
Appendix E.3: Duty Cycle

Test Result

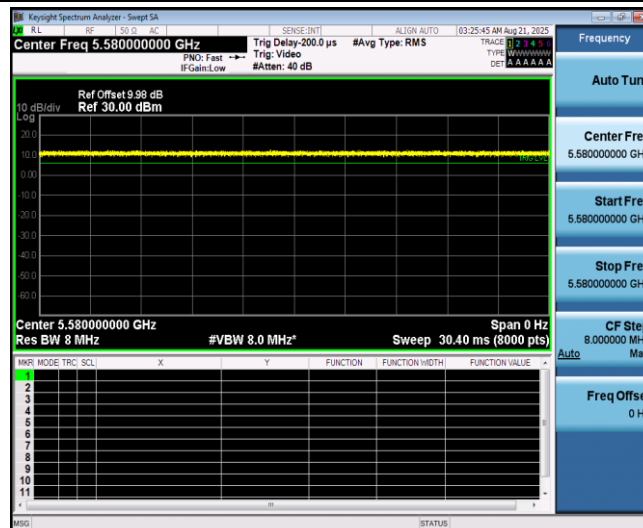
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580	30.00	30.00	100.00	0.00	0.03
		5700	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5500	30.00	30.00	100.00	0.00	0.03
		5580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

Test Graphs

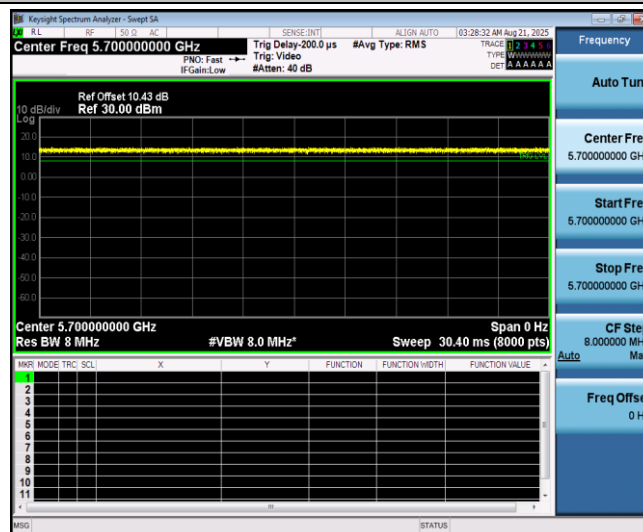
11A_Ant1_5500



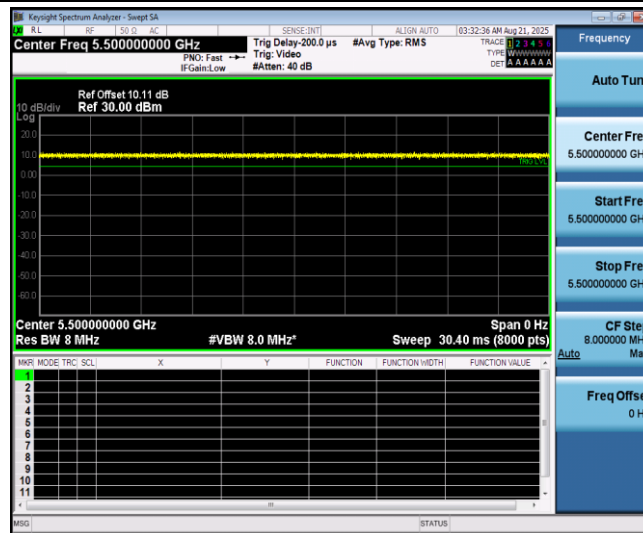
11A_Ant1_5580



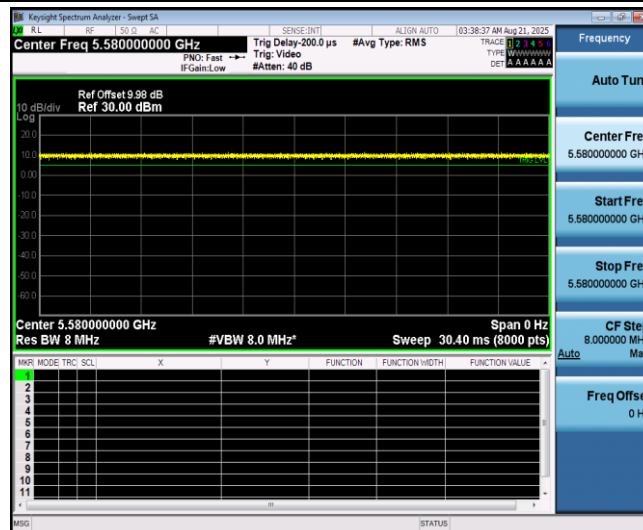
11A_Ant1_5700



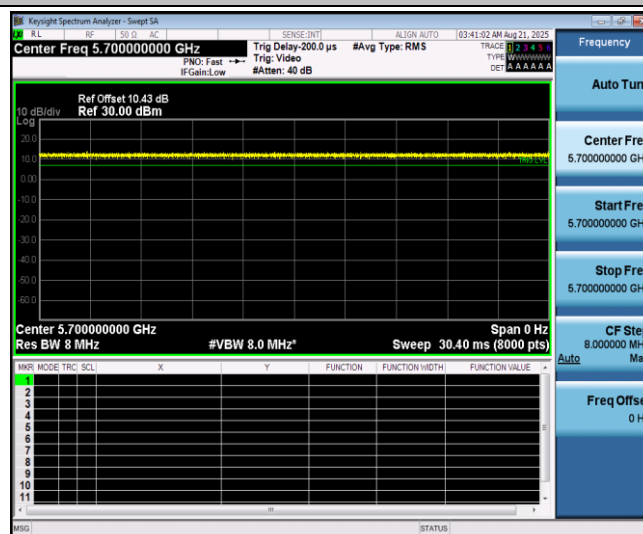
11N20SISO_Ant1_5500



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	16.47	100.00	0.00	16.47	≤23.97	PASS
		5580	16.33	100.00	0.00	16.33	≤23.98	PASS
		5700	16.39	100.00	0.00	16.39	≤23.98	PASS
11N20SISO	Ant1	5500	16.48	100.00	0.00	16.48	≤23.98	PASS
		5580	16.35	100.00	0.00	16.35	≤23.98	PASS
		5700	16.27	100.00	0.00	16.27	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	2.84	≤11.00	PASS
		5580	2.64	≤11.00	PASS
		5700	4.94	≤11.00	PASS
11N20SISO	Ant1	5500	1.52	≤11.00	PASS
		5580	1.39	≤11.00	PASS
		5700	3.64	≤11.00	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_5500



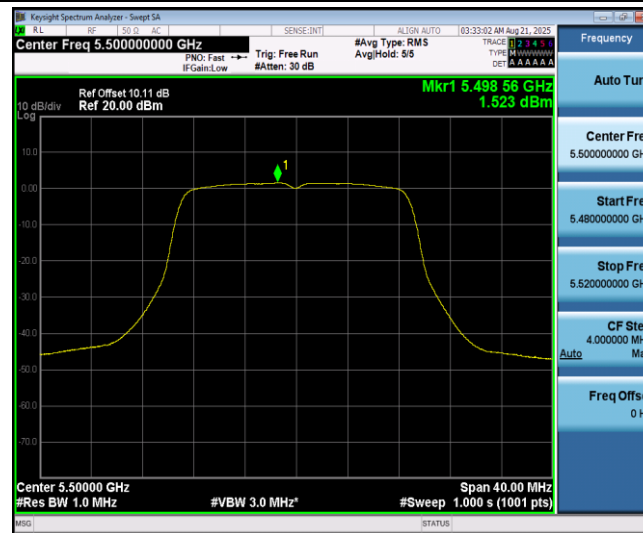
11A_Ant1_5580



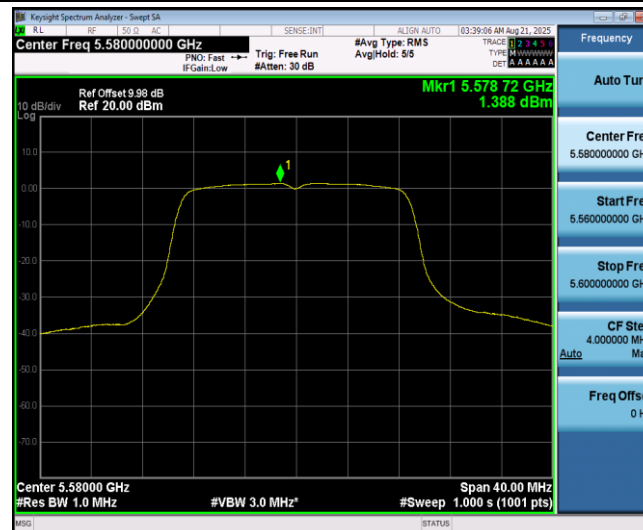
11A_Ant1_5700



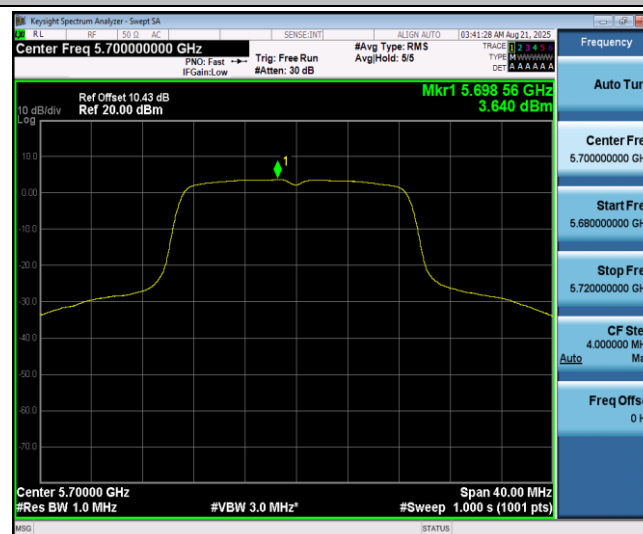
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



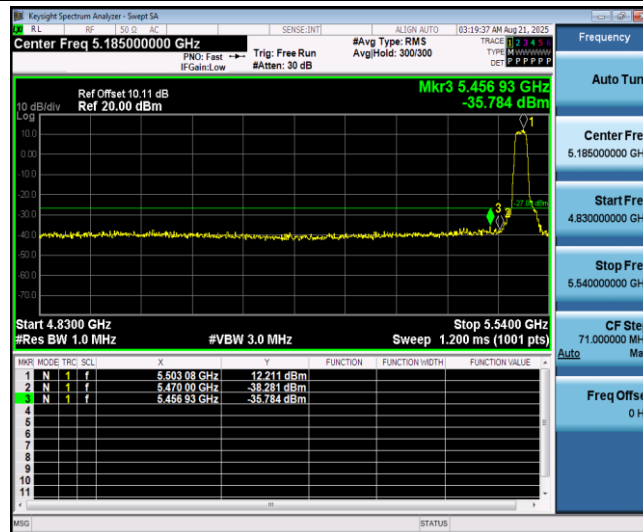
Appendix E.6:Band edge measurements

Test Result B3

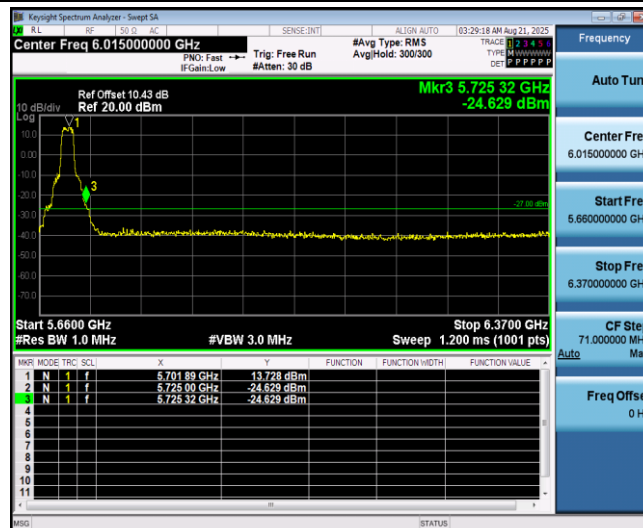
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-35.78	≤ -27	PASS
		High	5700	-24.63	≤ -27	FAIL
11N20SISO	Ant1	Low	5500	-36.01	≤ -27	PASS
		High	5700	-29.06	≤ -27	PASS

Test GraphsB3

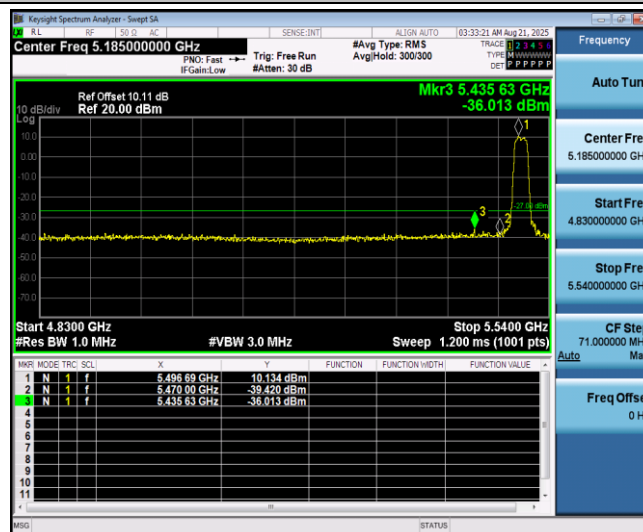
11A_Ant1_Low_5500

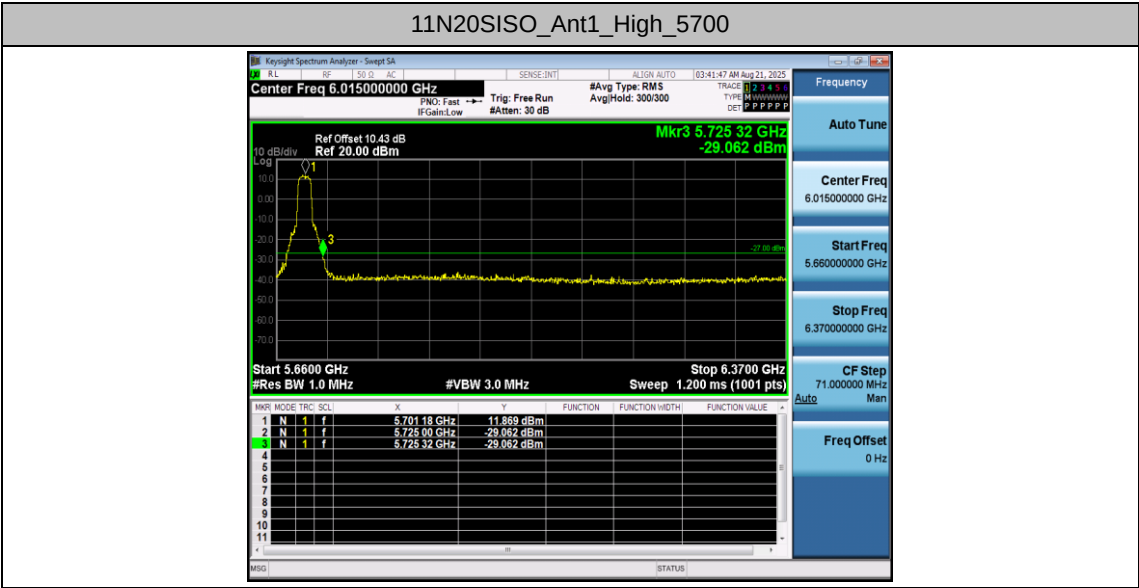


11A_Ant1_High_5700



11N20SISO_Ant1_Low_5500





Appendix E.7:Conducted Spurious Emission

Test Result

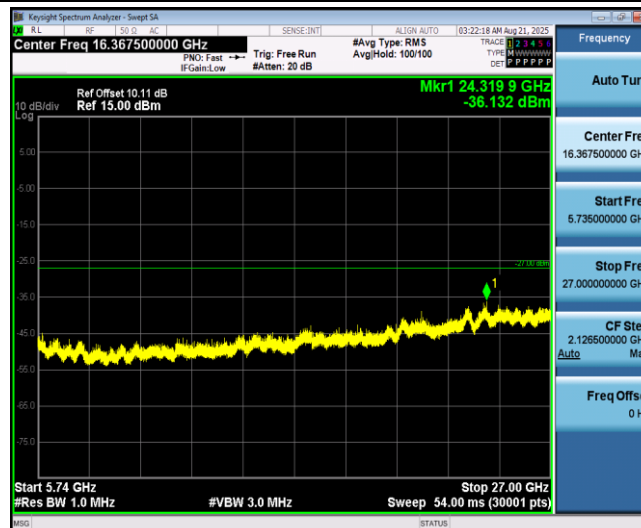
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5421.99	-44.04	≤-27	PASS
			5735~27000	24319.9	-36.13	≤-27	PASS
		5580	30~5460	5420.72	-45.18	≤-27	PASS
			5735~27000	24823.88	-36.76	≤-27	PASS
		5700	30~5460	5454.75	-45.2	≤-27	PASS
			5735~27000	5735	-35.32	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5334.75	-44.99	≤-27	PASS
			5735~27000	23647.93	-36.97	≤-27	PASS
		5580	30~5460	5435.57	-45.36	≤-27	PASS
			5735~27000	26099.07	-36.7	≤-27	PASS
		5700	30~5460	5440.09	-45.68	≤-27	PASS
			5735~27000	25221.54	-36.42	≤-27	PASS

Test Graphs

11A_Ant1_5500_30-5460



11A_Ant1_5500_5735-27000



11A_Ant1_5580_30-5460



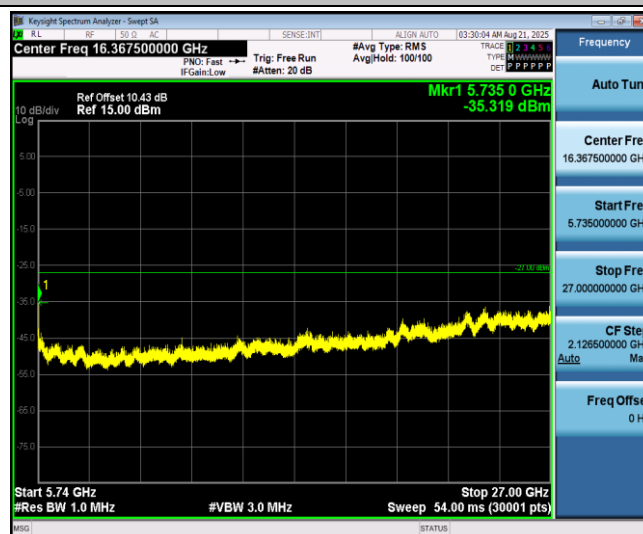
11A_Ant1_5580_5735-27000



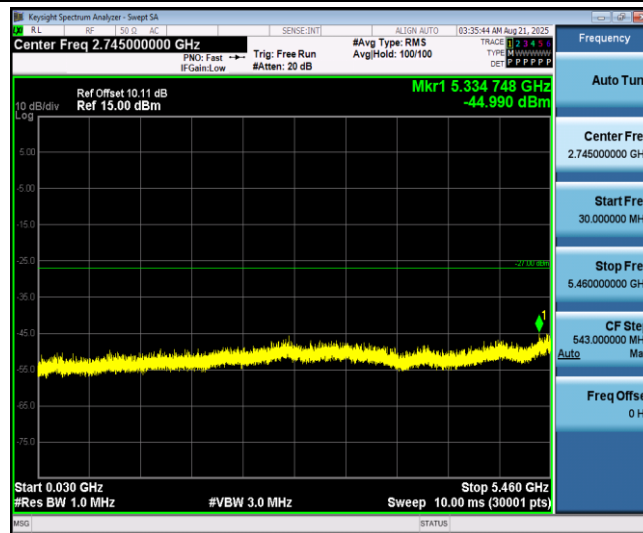
11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



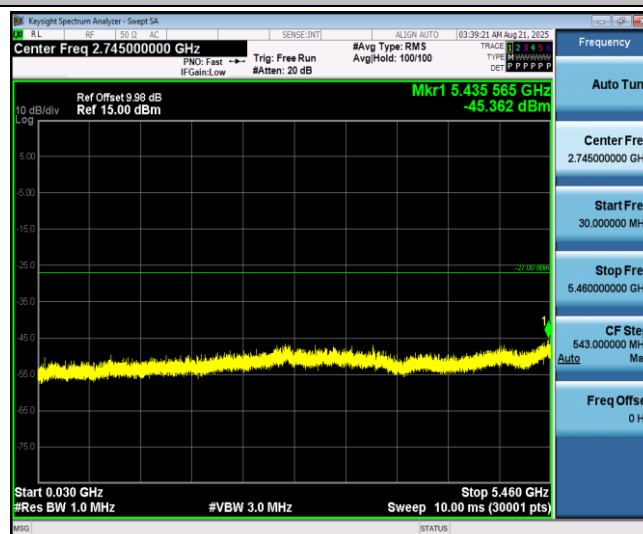
11N20SISO_Ant1_5500_30~5460



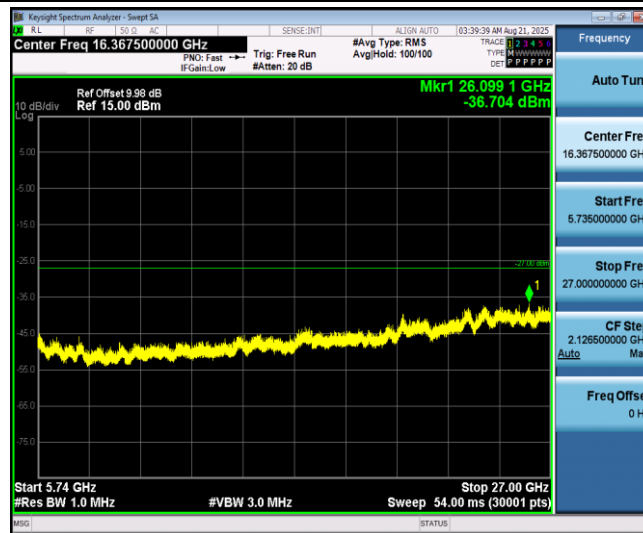
11N20SISO_Ant1_5500_5735~27000



11N20SISO_Ant1_5580_30~5460



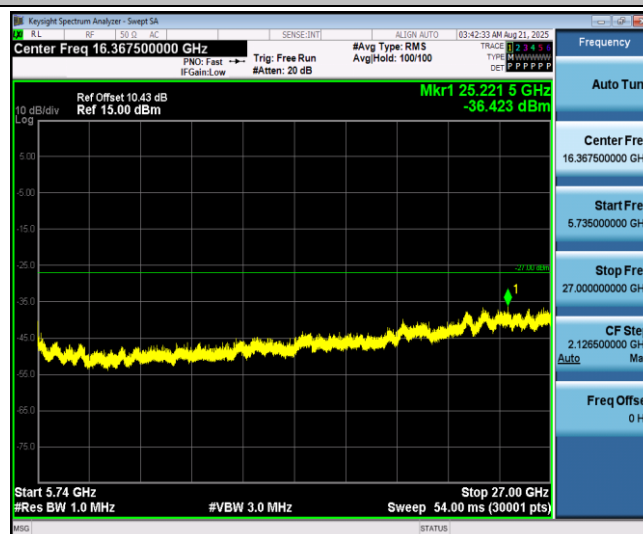
11N20SISO_Ant1_5580_5735~27000



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	-46.39	≤-41.20	48.81	≤54	PASS
				AV	5423.560	-45.34	≤-41.20	49.86	≤54	PASS
				AV	5460.000	-45.47	≤-41.20	49.73	≤54	PASS
				Peak	5350.000	-38.29	≤-21.20	56.91	≤74	PASS
				Peak	5365.340	-37.63	≤-21.20	57.57	≤74	PASS
				Peak	5460.000	-40.85	≤-21.20	54.35	≤74	PASS
11N20SISO	Ant1	Low	5500	AV	5350.000	-46.44	≤-41.20	48.76	≤54	PASS
				AV	5427.110	-45.41	≤-41.20	49.79	≤54	PASS
				AV	5460.000	-45.49	≤-41.20	49.71	≤54	PASS
				Peak	5350.000	-45.77	≤-21.20	49.43	≤74	PASS
				Peak	5365.340	-38.51	≤-21.20	56.69	≤74	PASS
				Peak	5460.000	-45.63	≤-21.20	49.57	≤74	PASS

Note:

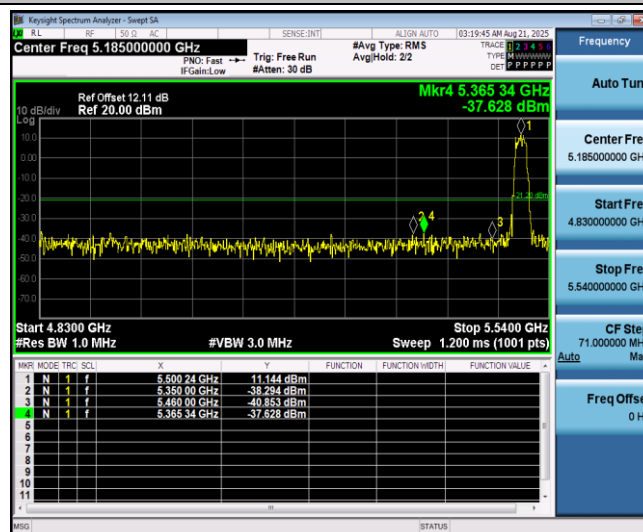
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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



