

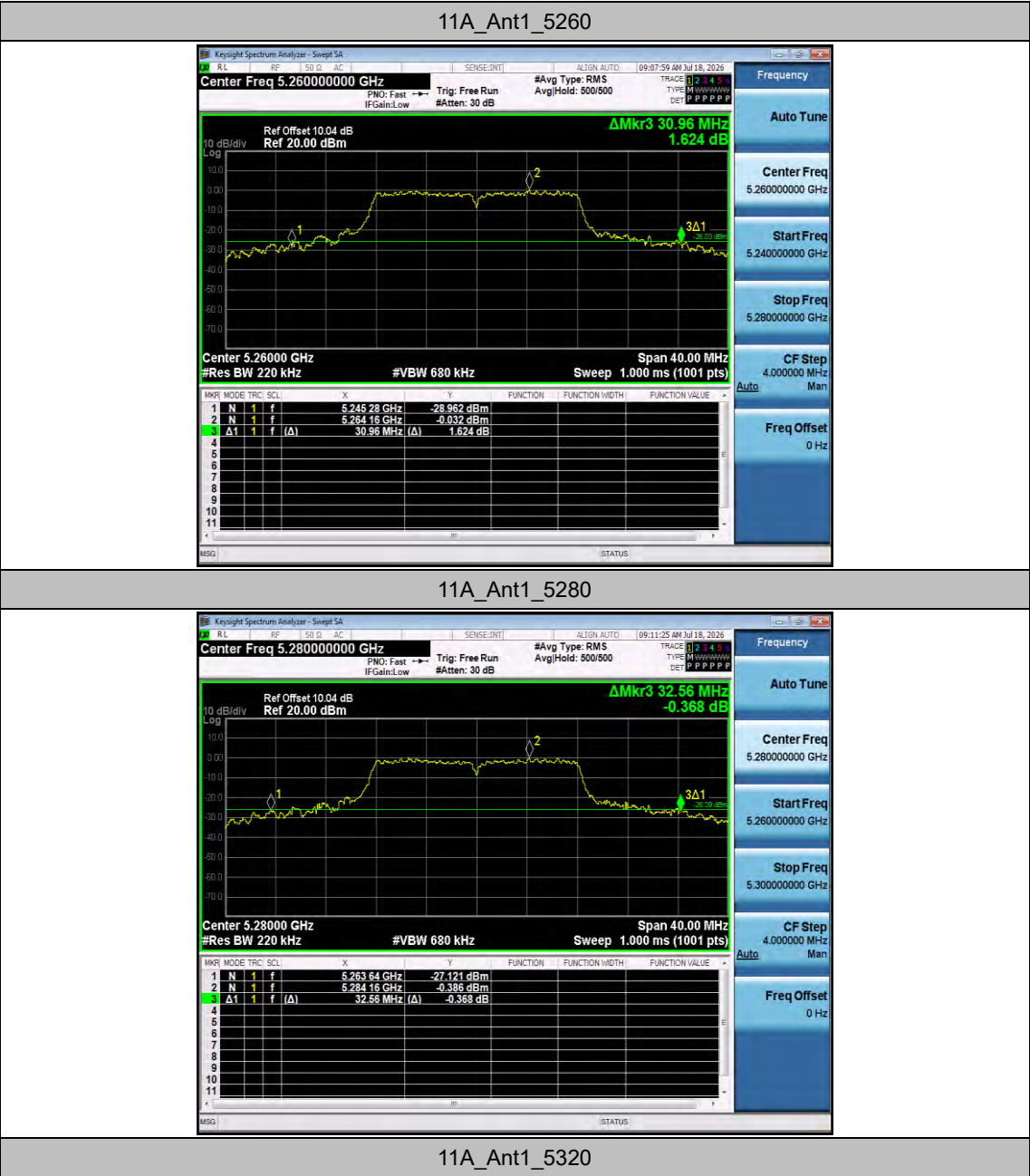
Case No. : <u>GTS20260617003-1-04</u>
Ambient Condition: <u>23</u> °C, <u>56</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2026.6.22-2026.7.20</u> Test Engineer: <u>Evan ouyang</u>

AppendixE.1: Emission Bandwidth

Test Result

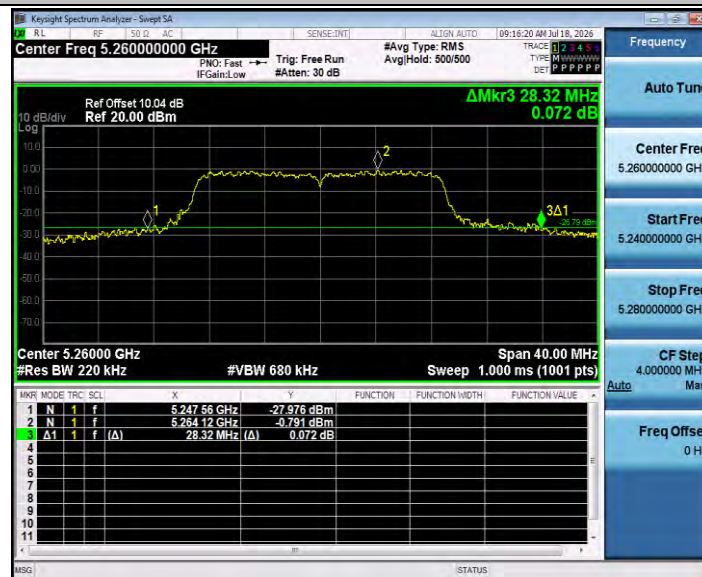
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	30.960	5245.280	5276.240	---	---
		5280	32.560	5263.640	5296.200	---	---
		5320	26.600	5307.200	5333.800	---	---
11N20SISO	Ant1	5260	28.320	5247.560	5275.880	---	---
		5280	32.640	5265.160	5297.800	---	---
		5320	26.320	5309.000	5335.320	---	---
11N40SISO	Ant1	5270	42.240	5248.720	5290.960	---	---
		5310	41.920	5288.960	5330.880	---	---
11AC20SISO	Ant1	5260	31.640	5245.840	5277.480	---	---
		5280	30.400	5265.800	5296.200	---	---
		5320	23.440	5308.840	5332.280	---	---
11AC40SISO	Ant1	5270	43.440	5248.880	5292.320	---	---
		5310	42.000	5288.880	5330.880	---	---
11AC80SISO	Ant1	5290	82.880	5249.040	5331.920	---	---

Test Graphs





11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290

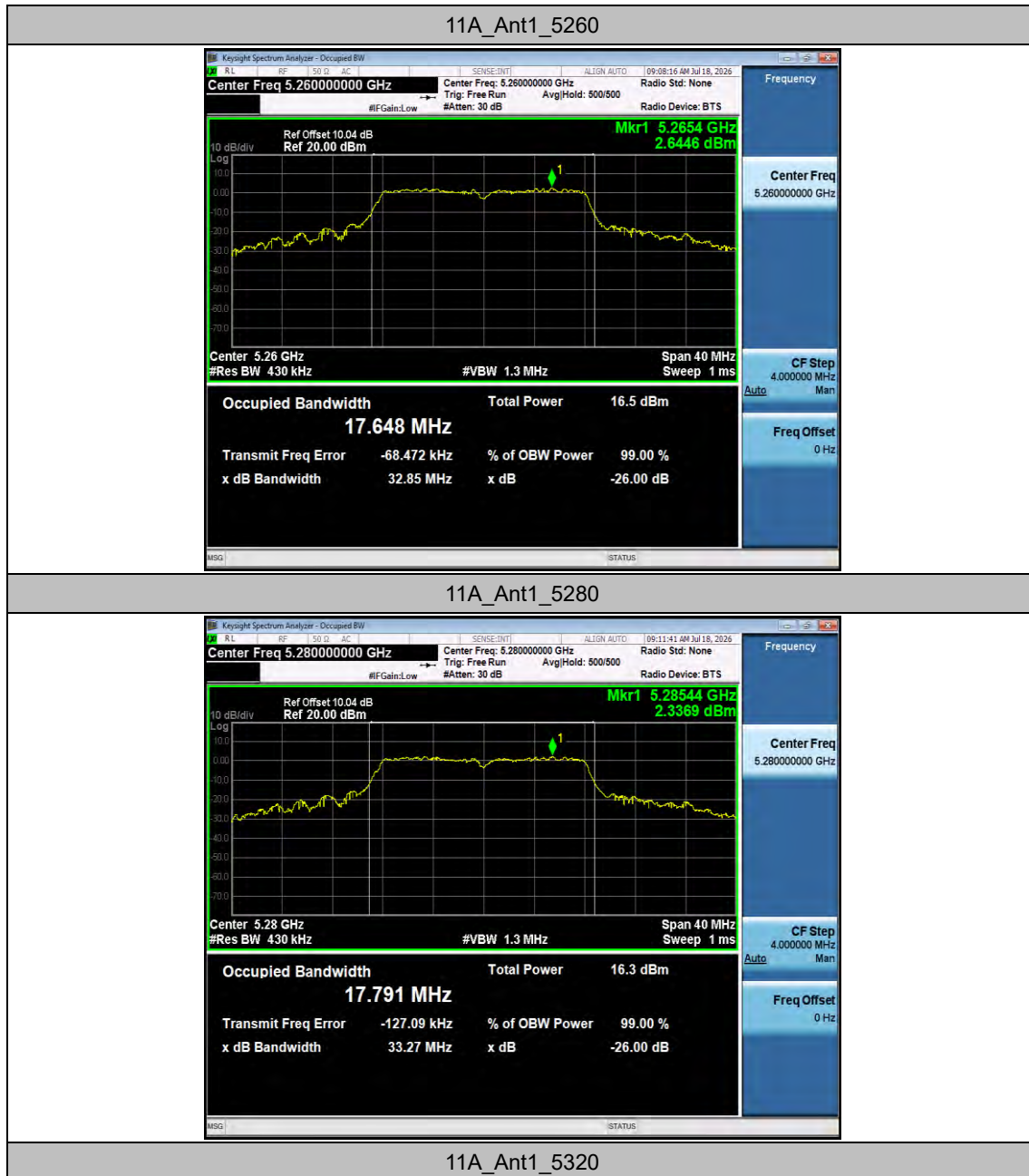


AppendixE.2: Occupied channel bandwidth

Test Result

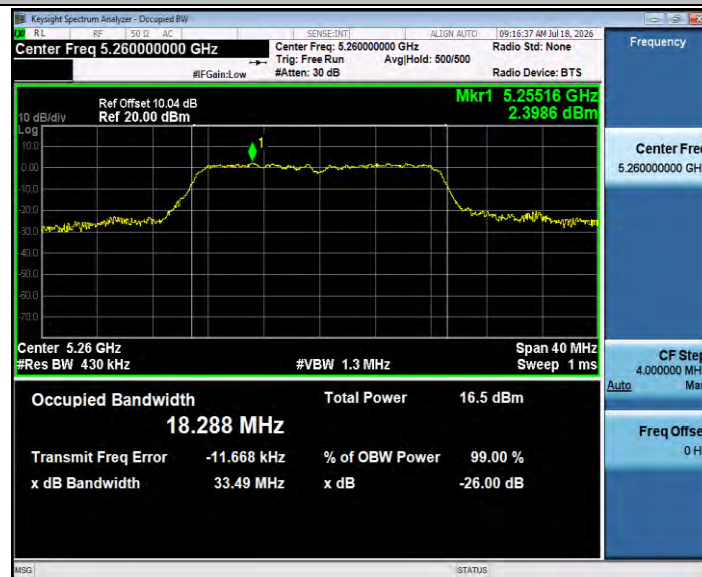
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.648	5251.1075	5268.7555	---	---
		5280	17.791	5270.9774	5288.7684	---	---
		5320	17.328	5311.2166	5328.5446	---	---
11N20SISO	Ant1	5260	18.288	5250.8443	5269.1323	---	---
		5280	18.511	5270.7313	5289.2423	---	---
		5320	18.134	5310.8978	5329.0318	---	---
11N40SISO	Ant1	5270	36.626	5251.7258	5288.3518	---	---
		5310	36.679	5291.6913	5328.3703	---	---
11AC20SISO	Ant1	5260	18.265	5250.8730	5269.1380	---	---
		5280	18.351	5270.7967	5289.1477	---	---
		5320	18.131	5310.9080	5329.0390	---	---
11AC40SISO	Ant1	5270	36.618	5251.7190	5288.3370	---	---
		5310	36.658	5291.7250	5328.3830	---	---
11AC80SISO	Ant1	5290	75.853	5252.1935	5328.0465	---	---

Test Graphs

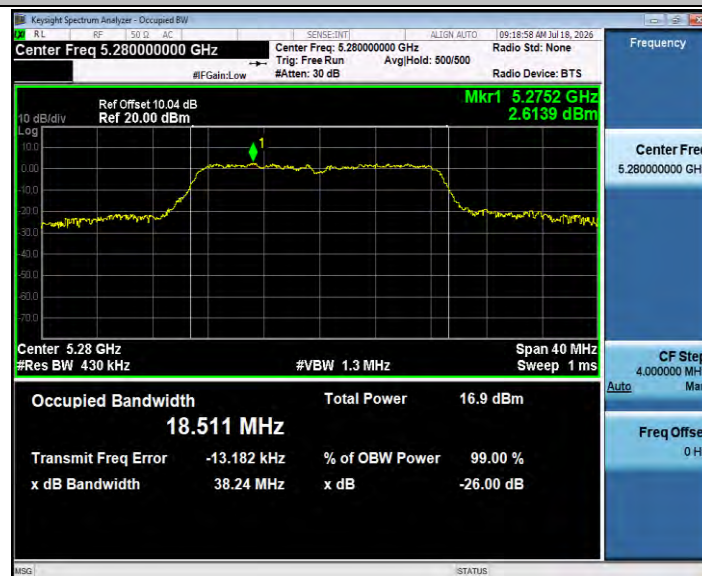




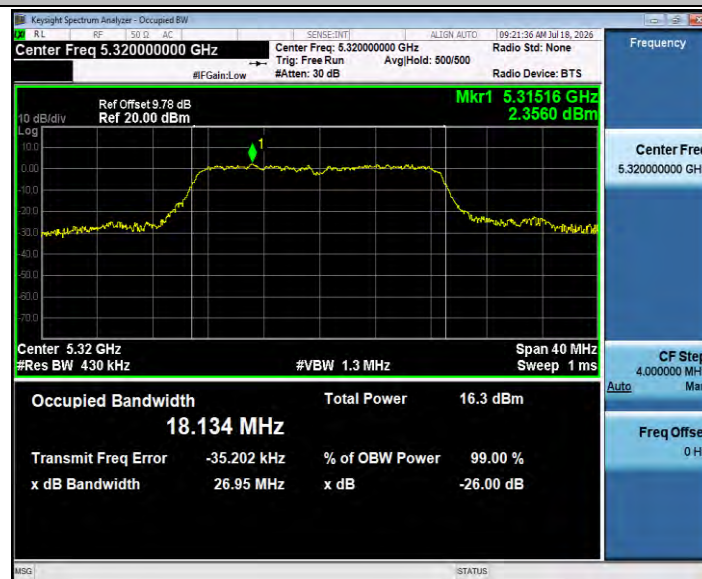
11N20SISO_Ant1_5260



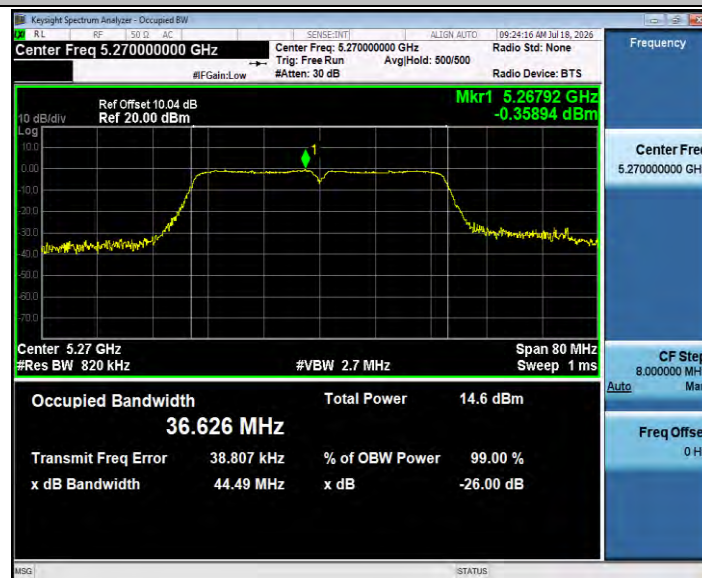
11N20SISO_Ant1_5280



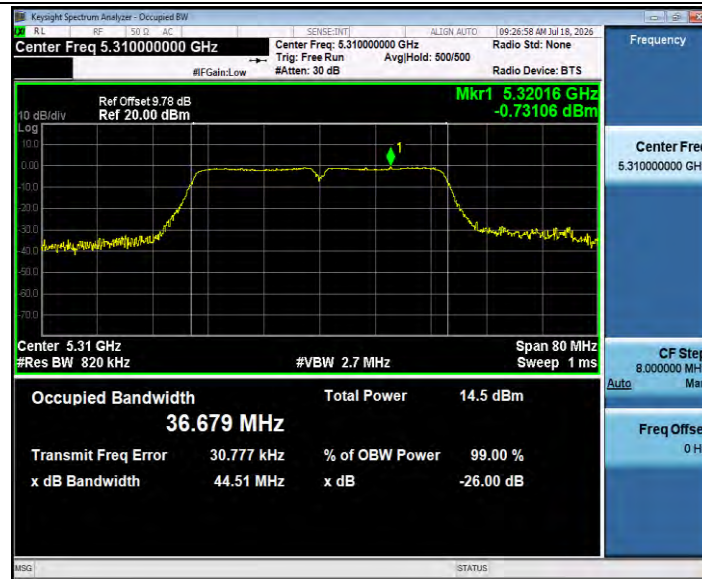
11N20SISO_Ant1_5320



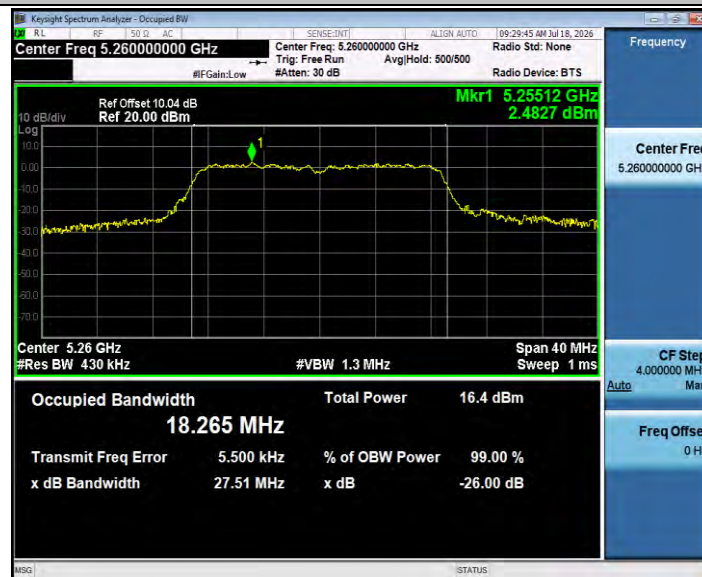
11N40SISO_Ant1_5270



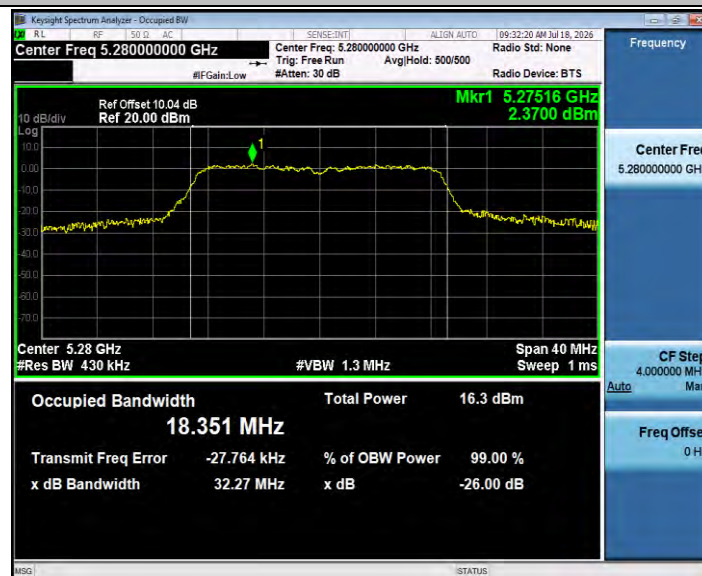
11N40SISO_Ant1_5310



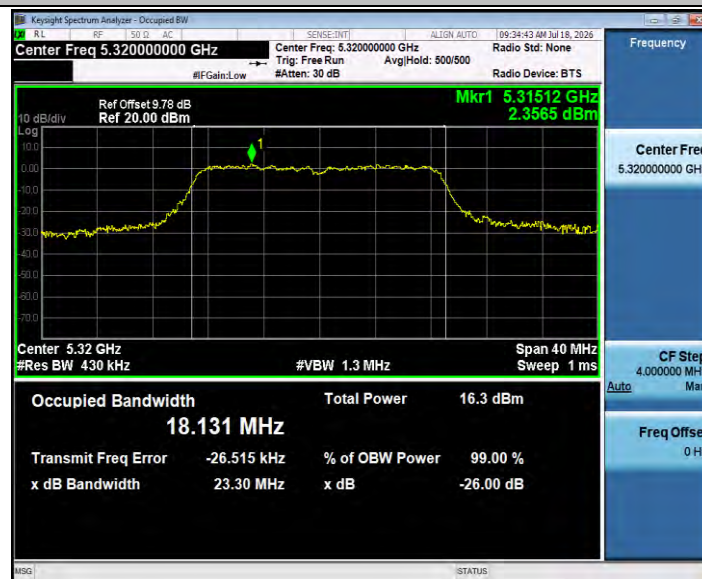
11AC20SISO_Ant1_5260



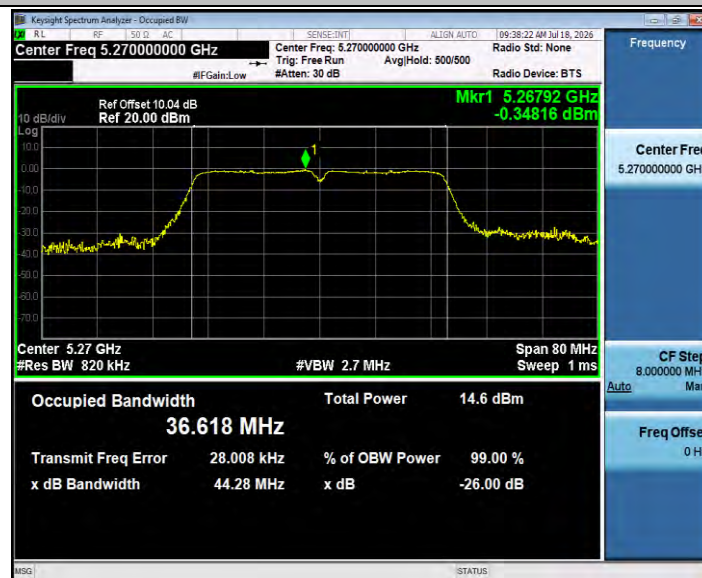
11AC20SISO_Ant1_5280



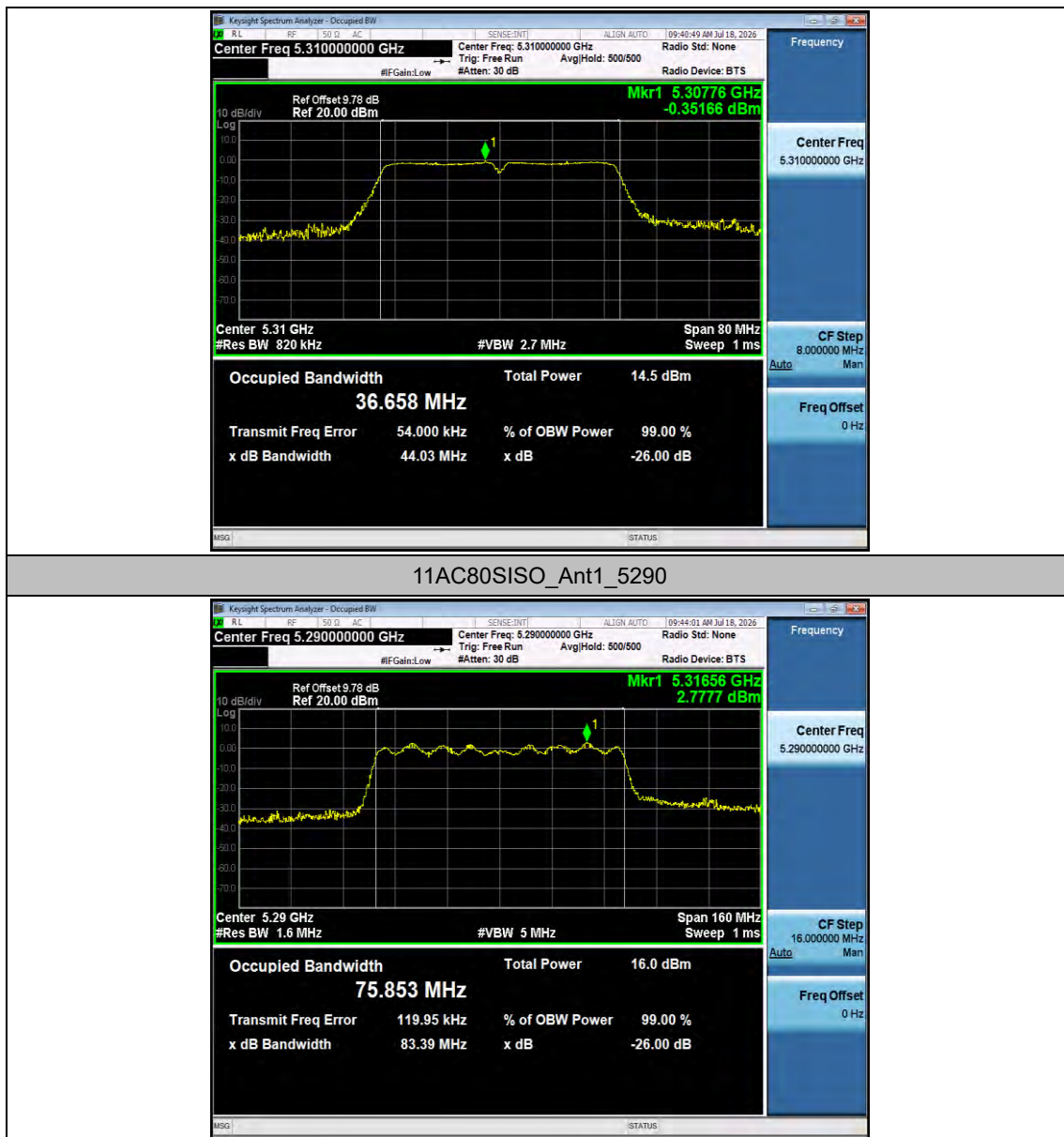
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

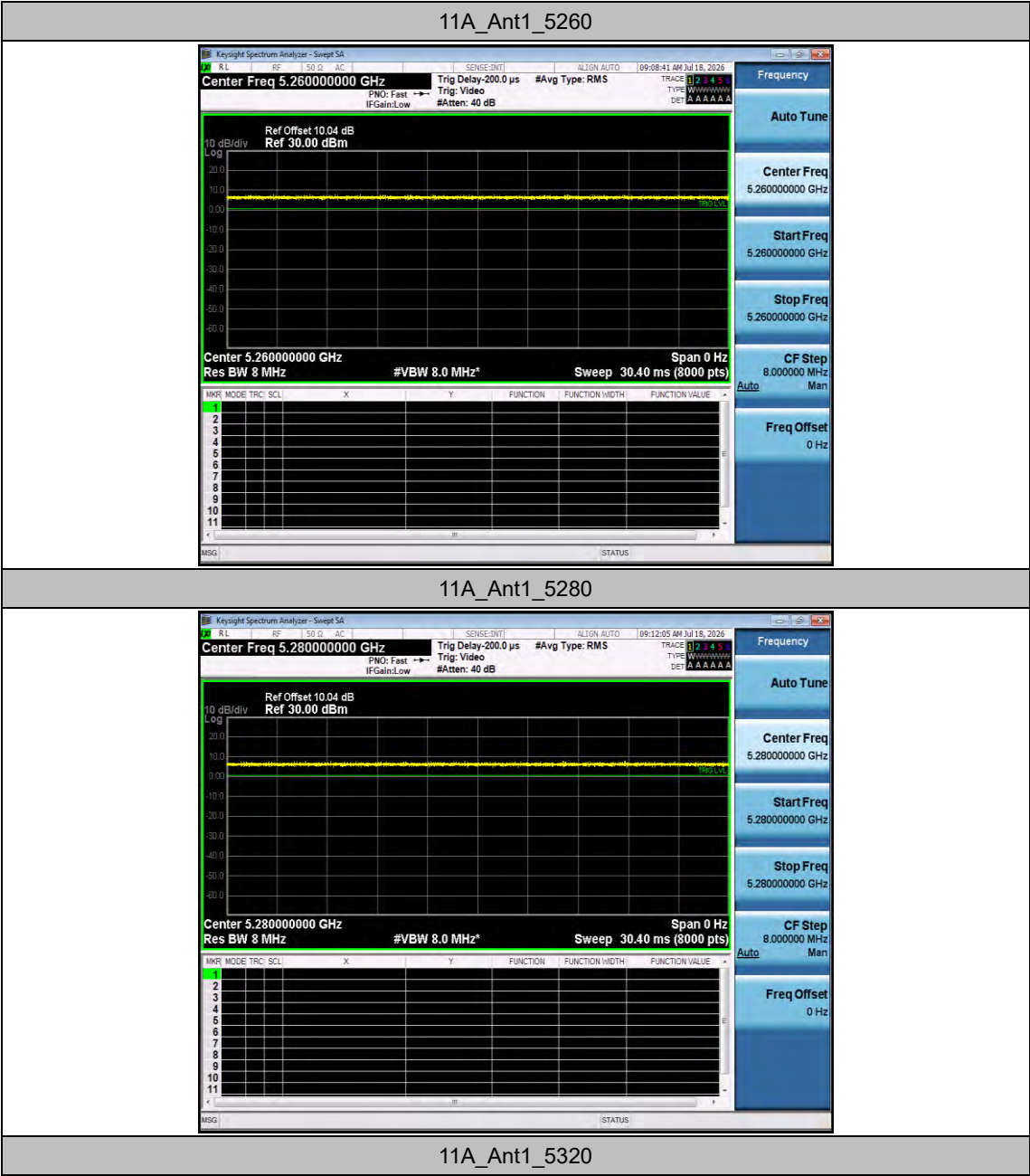


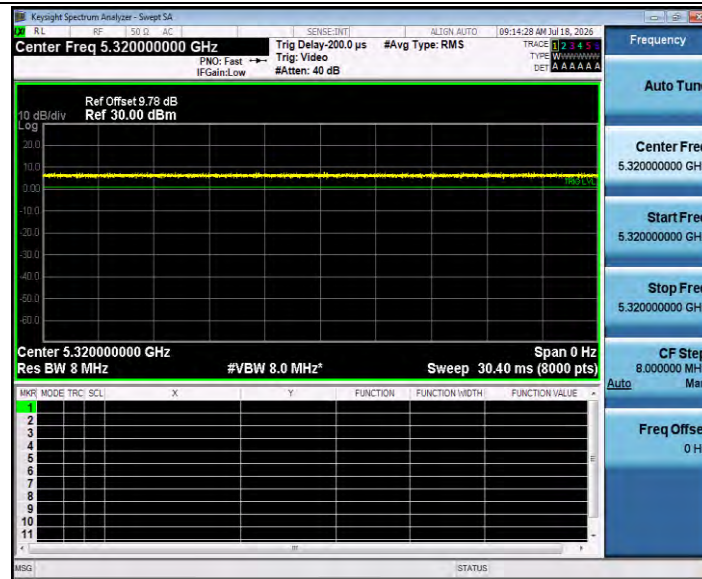
Appendix E.3: Duty Cycle

Test Result

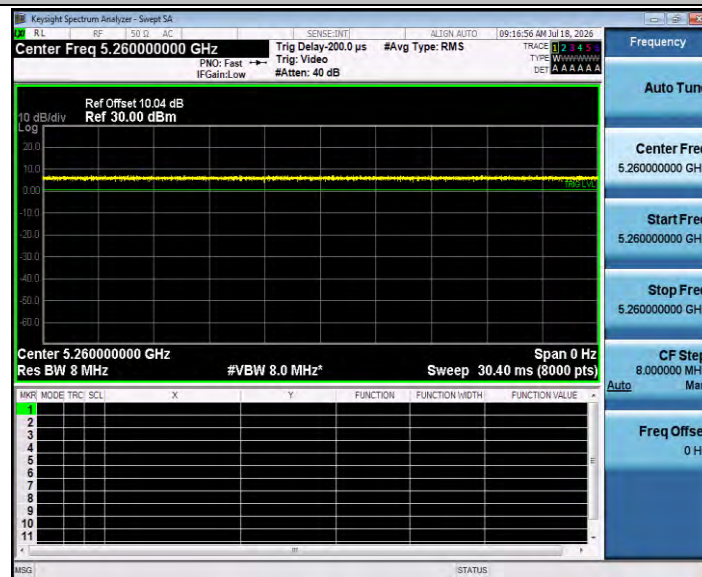
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5270	30.00	30.00	100.00	0.00	0.03
		5310	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5270	30.00	30.00	100.00	0.00	0.03
		5310	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5290	30.00	30.00	100.00	0.00	0.03

Test Graphs

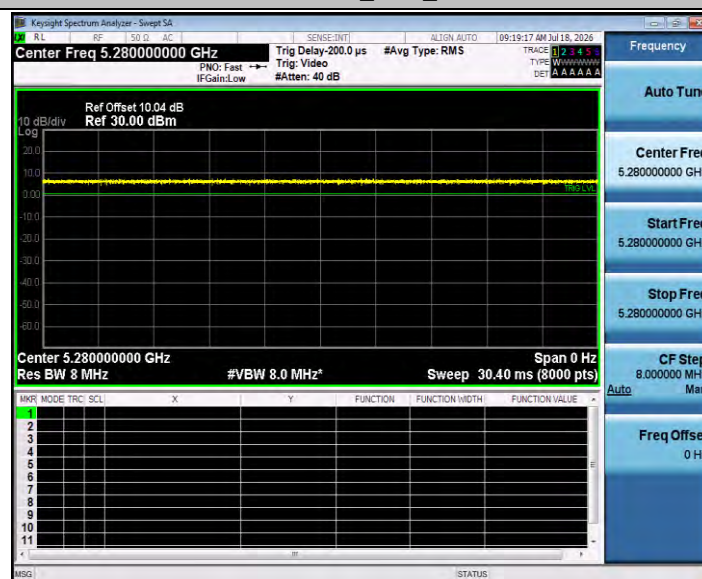




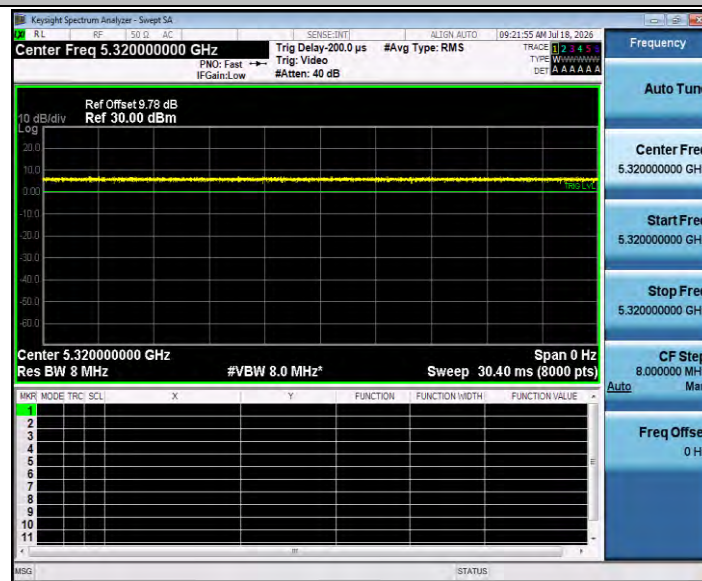
11N20SISO_Ant1_5260



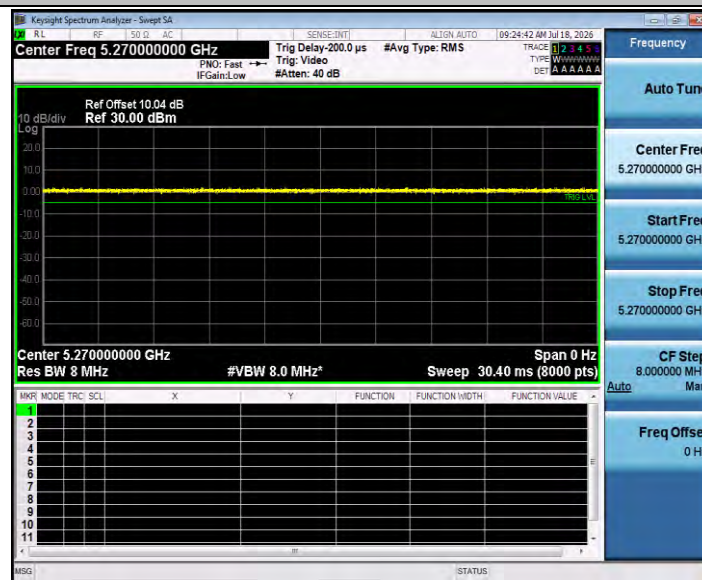
11N20SISO_Ant1_5280



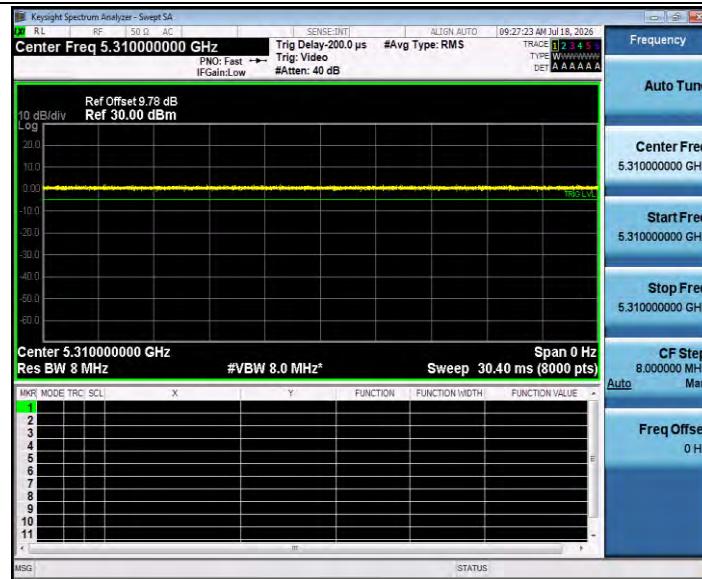
11N20SISO_Ant1_5320



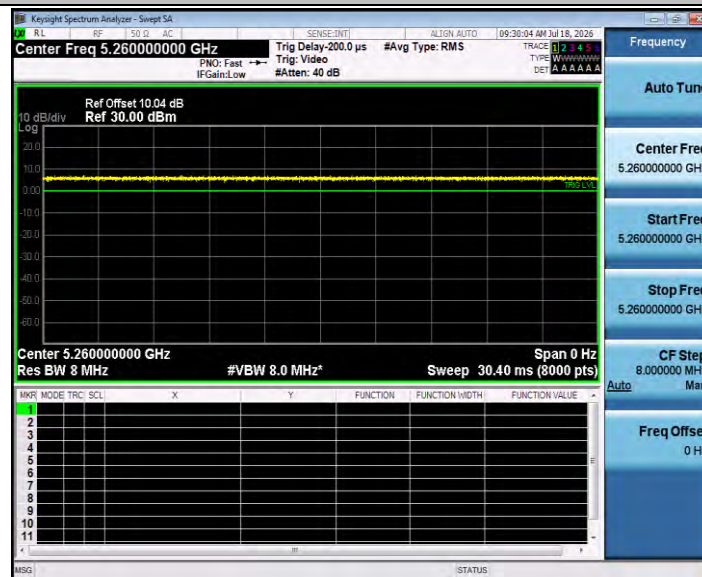
11N40SISO_Ant1_5270



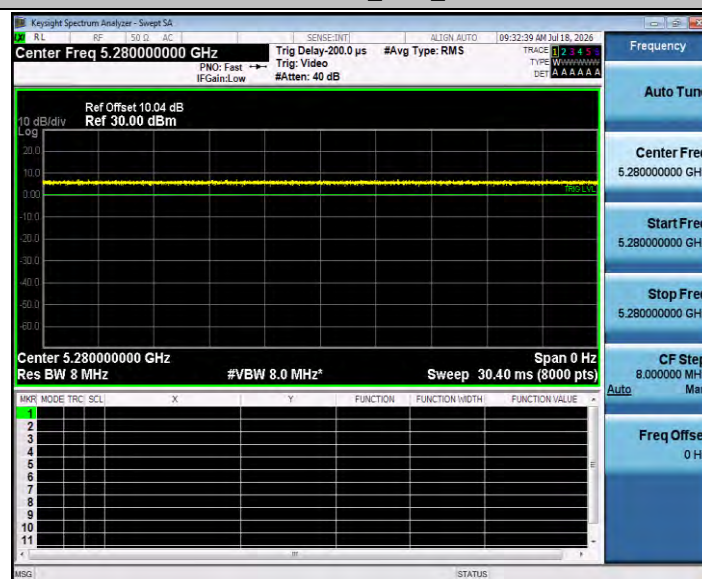
11N40SISO_Ant1_5310



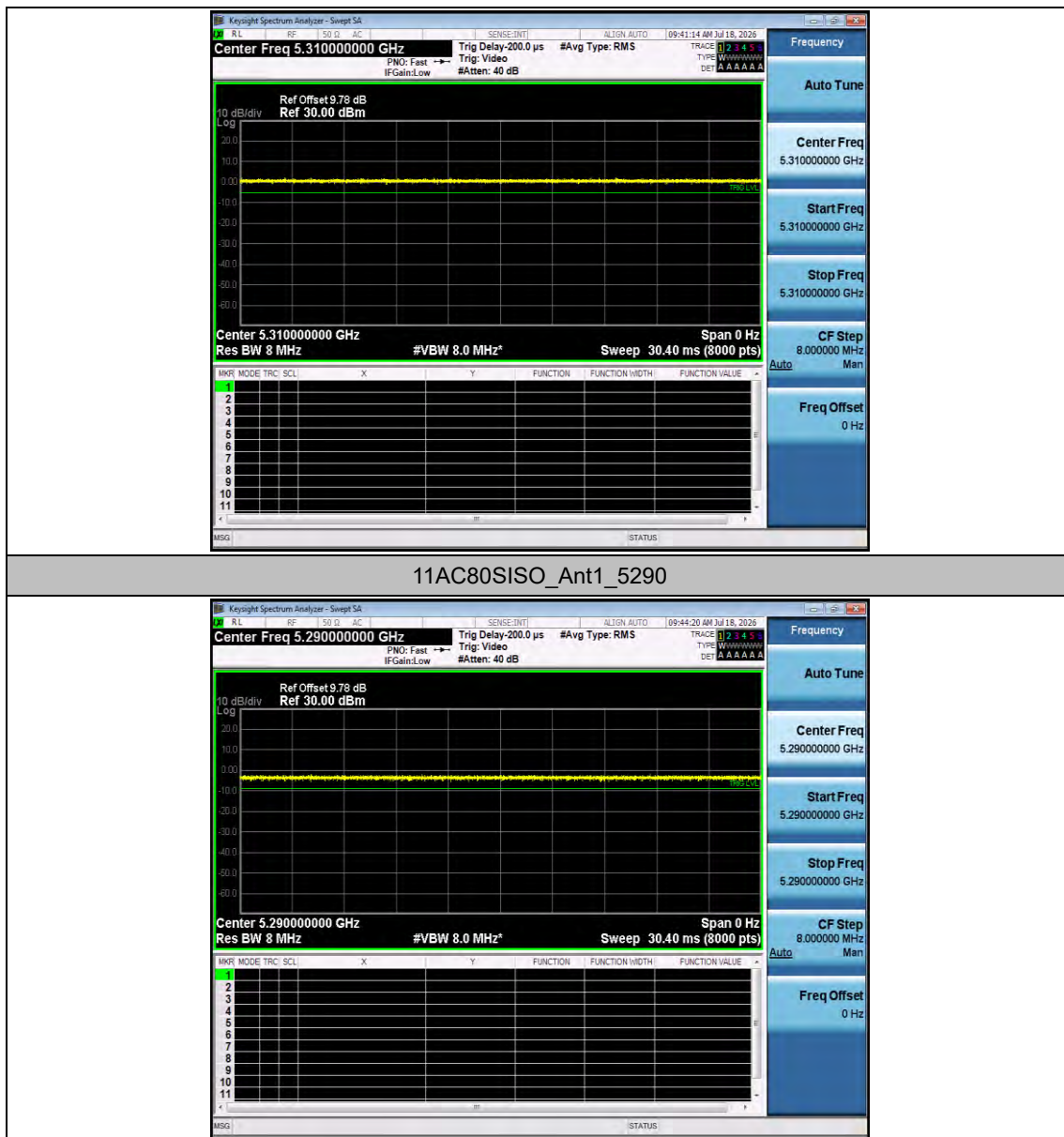
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280







Appendix E.4: Maximum conducted output power

Test Result Channel Power

DC 11.4V by battery

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	10.00	100.00	0.00	10.00	≤23.98	PASS
		5280	9.85	100.00	0.00	9.85	≤23.98	PASS
		5320	9.84	100.00	0.00	9.84	≤23.98	PASS
11N20SISO	Ant1	5260	9.83	100.00	0.00	9.83	≤23.98	PASS
		5280	10.15	100.00	0.00	10.15	≤23.98	PASS
		5320	9.69	100.00	0.00	9.69	≤23.98	PASS
11N40SISO	Ant1	5270	7.44	100.00	0.00	7.44	≤23.98	PASS
		5310	7.33	100.00	0.00	7.33	≤23.98	PASS
11AC20SISO	Ant1	5260	9.74	100.00	0.00	9.74	≤23.98	PASS
		5280	9.67	100.00	0.00	9.67	≤23.98	PASS
		5320	9.66	100.00	0.00	9.66	≤23.98	PASS
11AC40SISO	Ant1	5270	7.40	100.00	0.00	7.40	≤23.98	PASS
		5310	7.33	100.00	0.00	7.33	≤23.98	PASS
11AC80SISO	Ant1	5290	7.22	100.00	0.00	7.22	≤23.98	PASS

DC 7.6V by battery

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	9.65	100.00	0.00	9.65	≤23.98	PASS
		5280	9.32	100.00	0.00	9.32	≤23.98	PASS
		5320	9.54	100.00	0.00	9.54	≤23.98	PASS
11N20SISO	Ant1	5260	9.63	100.00	0.00	9.63	≤23.98	PASS
		5280	9.77	100.00	0.00	9.77	≤23.98	PASS
		5320	9.25	100.00	0.00	9.25	≤23.98	PASS
11N40SISO	Ant1	5270	7.02	100.00	0.00	7.02	≤23.98	PASS
		5310	7.11	100.00	0.00	7.11	≤23.98	PASS
11AC20SISO	Ant1	5260	9.63	100.00	0.00	9.63	≤23.98	PASS
		5280	9.24	100.00	0.00	9.24	≤23.98	PASS
		5320	9.52	100.00	0.00	9.52	≤23.98	PASS
11AC40SISO	Ant1	5270	7.3	100.00	0.00	7.3	≤23.98	PASS
		5310	7.05	100.00	0.00	7.05	≤23.98	PASS
11AC80SISO	Ant1	5290	7.00	100.00	0.00	7.00	≤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	5260	-1.57	≤11.00	PASS
		5280	-1.69	≤11.00	PASS
		5320	-1.72	≤11.00	PASS
11N20SISO	Ant1	5260	-1.90	≤11.00	PASS
		5280	-1.64	≤11.00	PASS
		5320	-2.08	≤11.00	PASS
11N40SISO	Ant1	5270	-7.36	≤11.00	PASS
		5310	-7.35	≤11.00	PASS
11AC20SISO	Ant1	5260	-2.02	≤11.00	PASS
		5280	-2.14	≤11.00	PASS
		5320	-2.13	≤11.00	PASS
11AC40SISO	Ant1	5270	-7.40	≤11.00	PASS
		5310	-7.36	≤11.00	PASS
11AC80SISO	Ant1	5290	-9.36	≤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_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



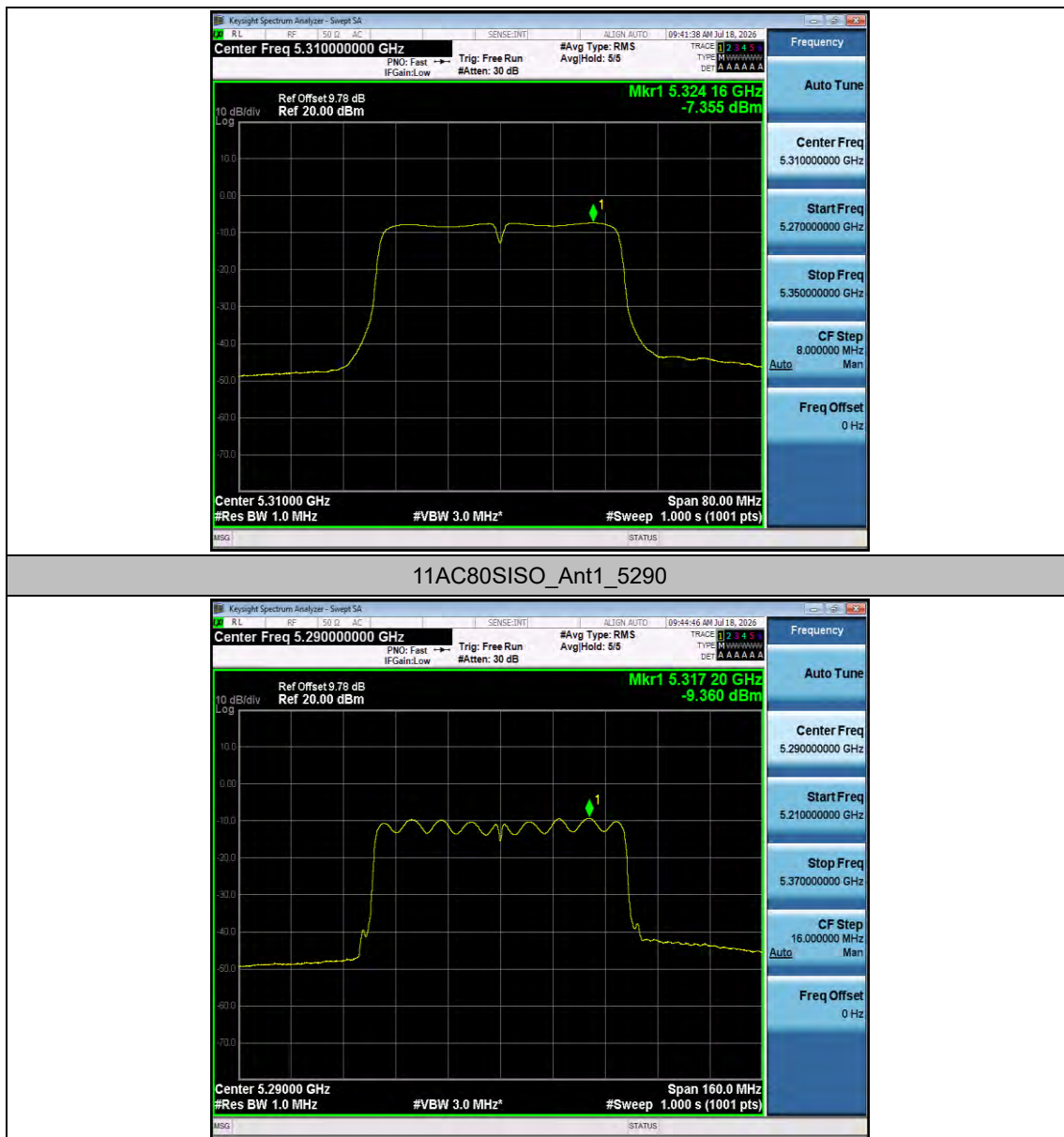
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

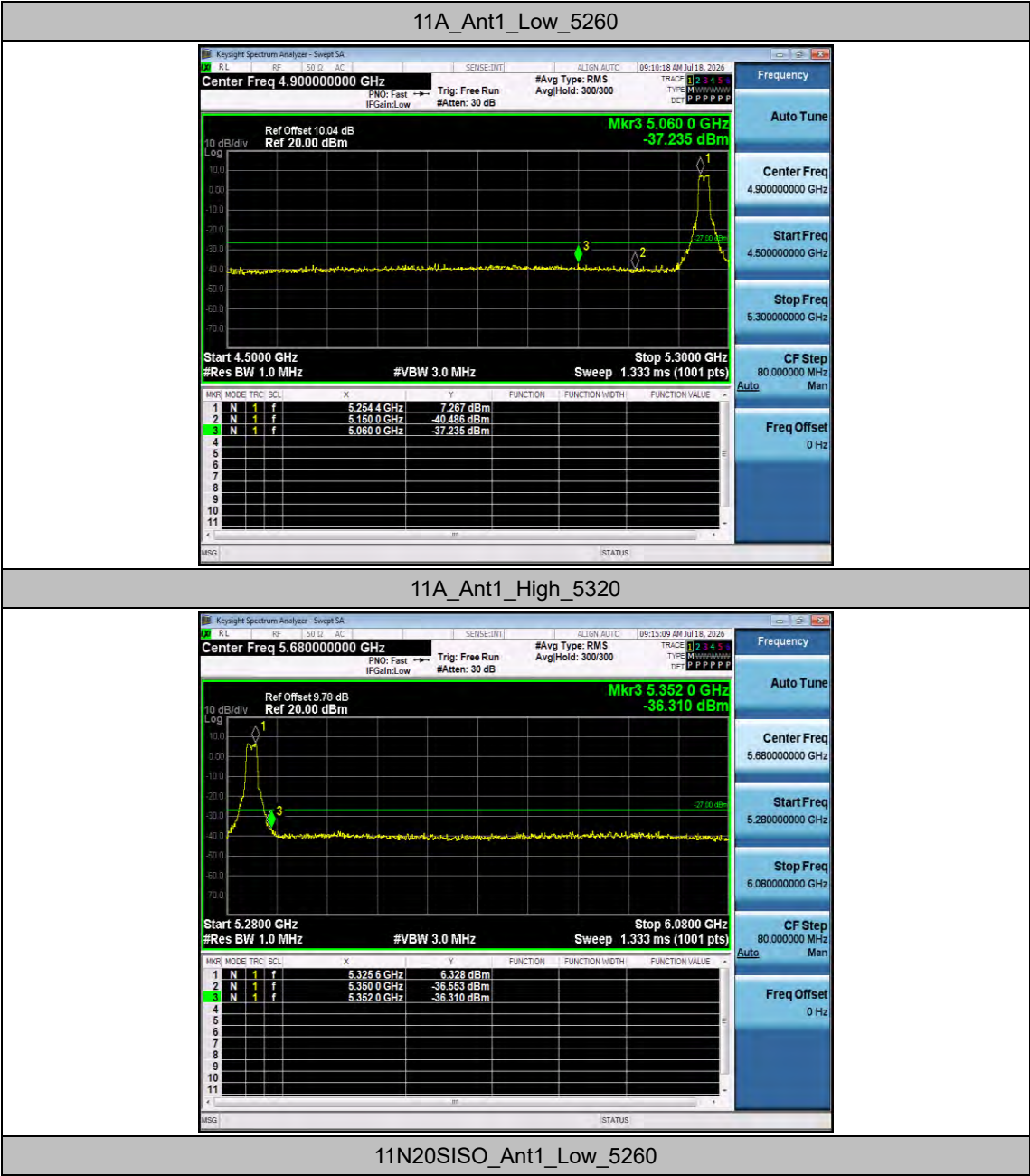


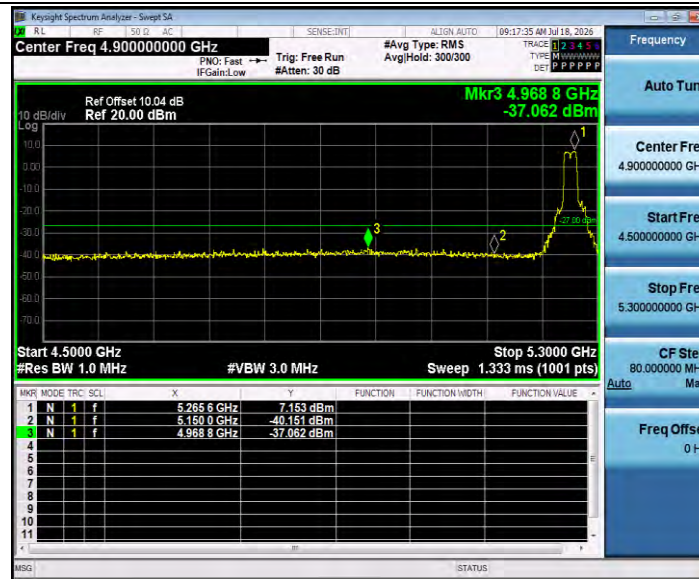
Appendix E.6: Band edge measurements

Test Result B2

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.24	≤ -27	PASS
		High	5320	-36.31	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-37.06	≤ -27	PASS
		High	5320	-34.14	≤ -27	PASS
11N40SISO	Ant1	Low	5270	-37.21	≤ -27	PASS
		High	5310	-33.43	≤ -27	PASS
11AC20SISO	Ant1	Low	5260	-36.61	≤ -27	PASS
		High	5320	-35.72	≤ -27	PASS
11AC40SISO	Ant1	Low	5270	-37.47	≤ -27	PASS
		High	5310	-33.57	≤ -27	PASS
11AC80SISO	Ant1	Low	5290	-37.55	≤ -27	PASS
		High	5290	-28.97	≤ -27	PASS

Test GraphsB2

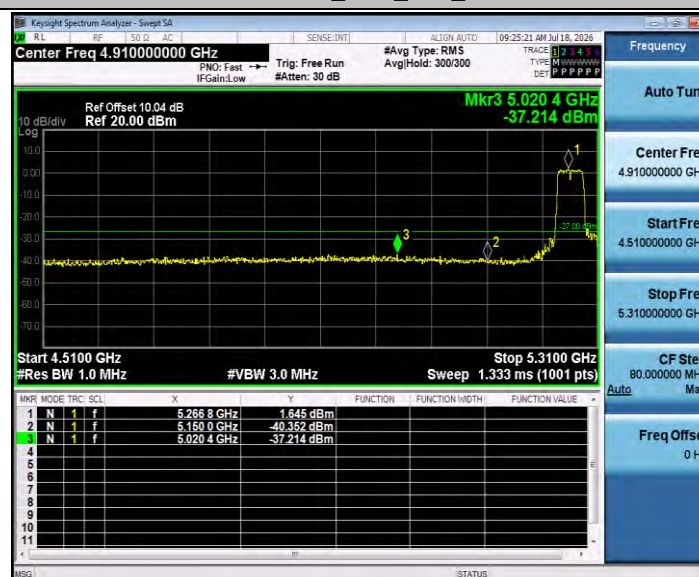




11N20ISO_Ant1_High_5320



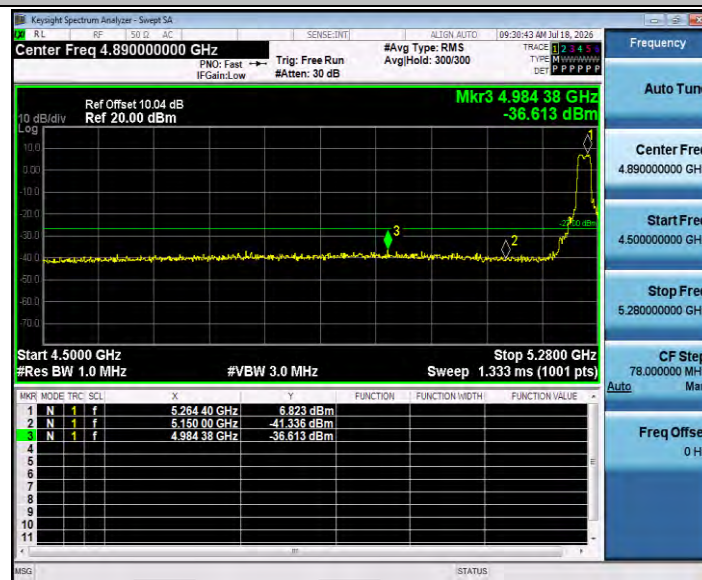
11N40ISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



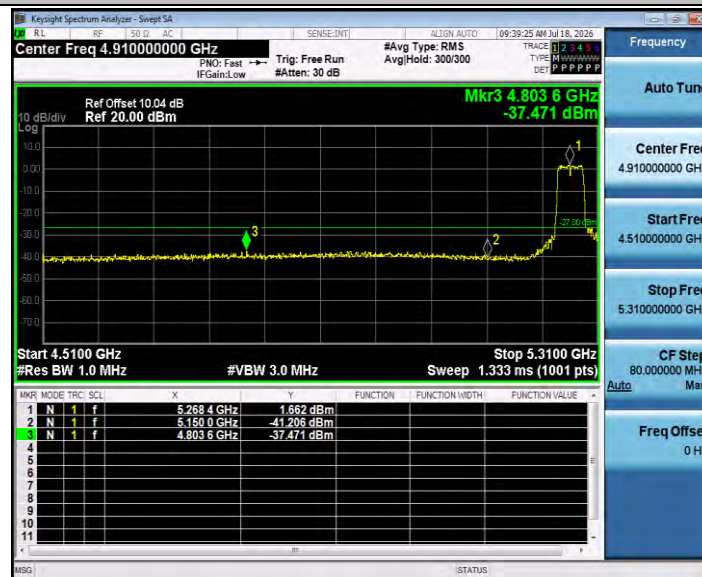
11AC20SISO_Ant1_Low_5260



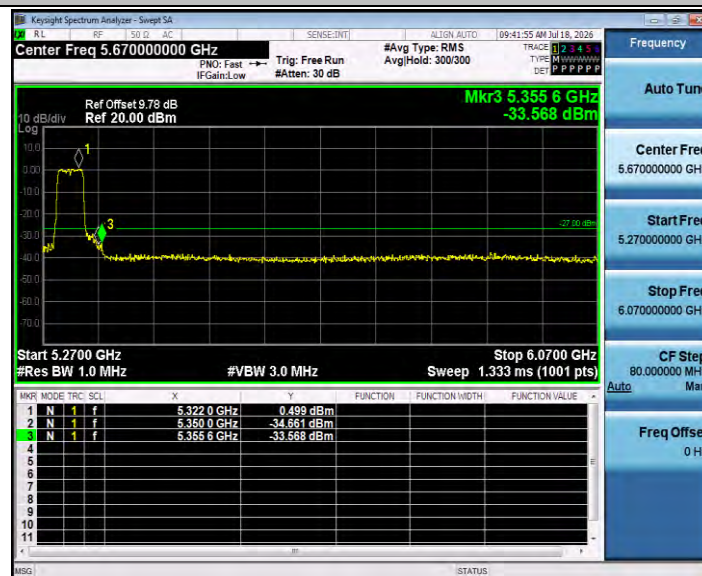
11AC20SISO_Ant1_High_5320



11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



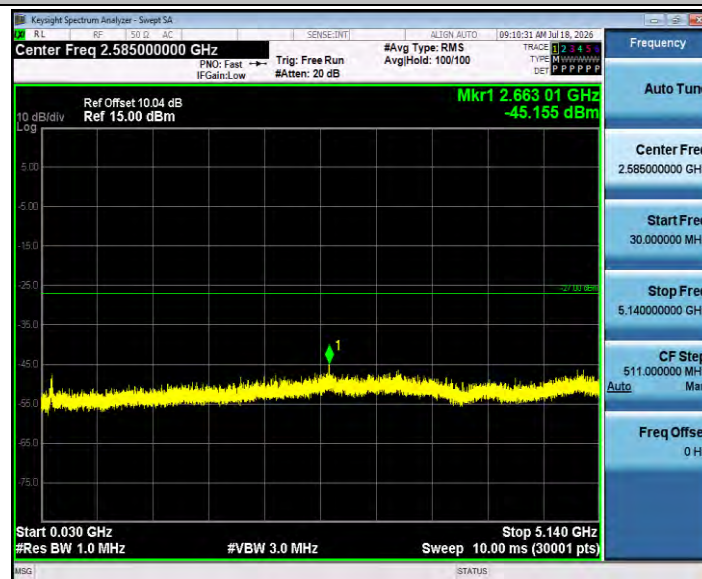
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2663.01	-45.16	≤-27	PASS
			5360~27000	24797.77	-37.24	≤-27	PASS
		5280	30~5140	119.94	-44.65	≤-27	PASS
			5360~27000	24258.21	-36.86	≤-27	PASS
		5320	30~5140	2564.9	-46.83	≤-27	PASS
			5360~27000	24174.54	-36.89	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	3033.83	-45.92	≤-27	PASS
			5360~27000	26631.4	-36.6	≤-27	PASS
		5280	30~5140	134.76	-44.53	≤-27	PASS
			5360~27000	26030.53	-37.15	≤-27	PASS
		5320	30~5140	4928.62	-46.19	≤-27	PASS
			5360~27000	26037.74	-36.98	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2545.99	-45.66	≤-27	PASS
			5360~27000	25989.41	-37.04	≤-27	PASS
		5310	30~5140	3037.75	-45.81	≤-27	PASS
			5360~27000	26849.96	-37.12	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	2518.06	-40.91	≤-27	PASS
			5360~27000	23521.73	-36.64	≤-27	PASS
		5280	30~5140	131.69	-45.87	≤-27	PASS
			5360~27000	26874.49	-36.82	≤-27	PASS
		5320	30~5140	132.03	-45.06	≤-27	PASS
			5360~27000	26896.85	-37.05	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	4890.29	-46.13	≤-27	PASS
			5360~27000	24195.46	-37.56	≤-27	PASS
		5310	30~5140	2606.97	-46.68	≤-27	PASS
			5360~27000	26039.91	-36.66	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	3406.52	-46.67	≤-27	PASS
			5360~27000	5365.05	-33.67	≤-27	PASS

Test Graphs

11A_Ant1_5260_30~5140



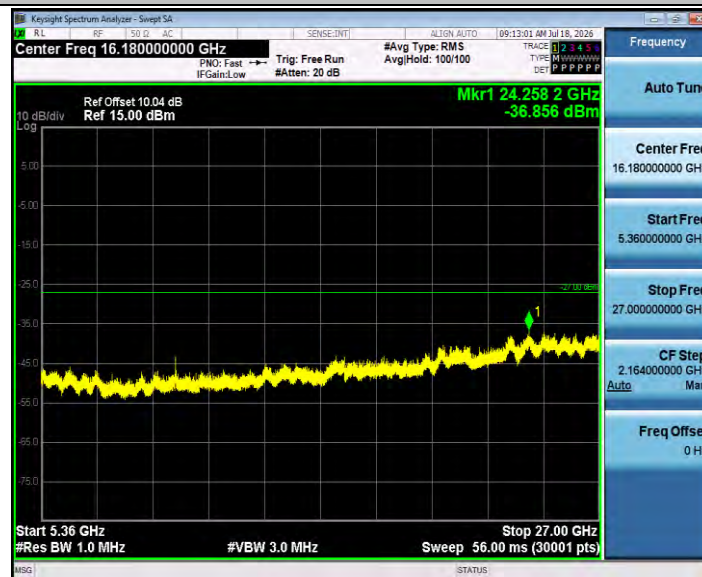
11A_Ant1_5260_5360~27000



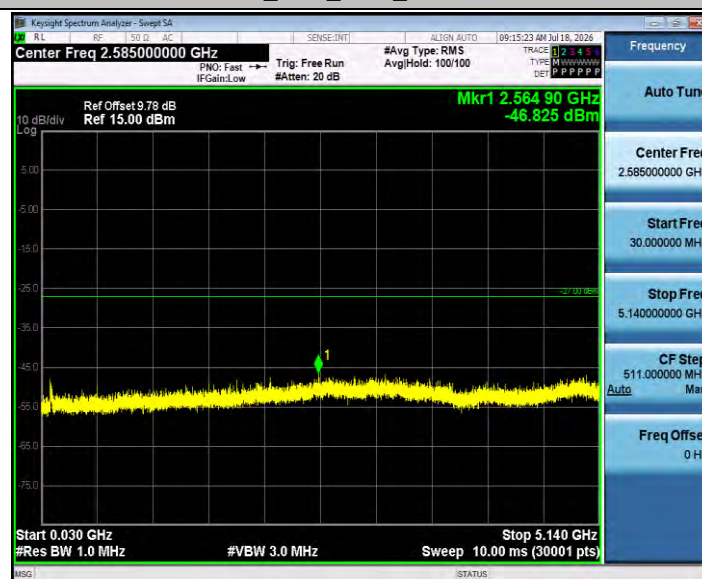
11A_Ant1_5280_30~5140



11A_Ant1_5280_5360~27000

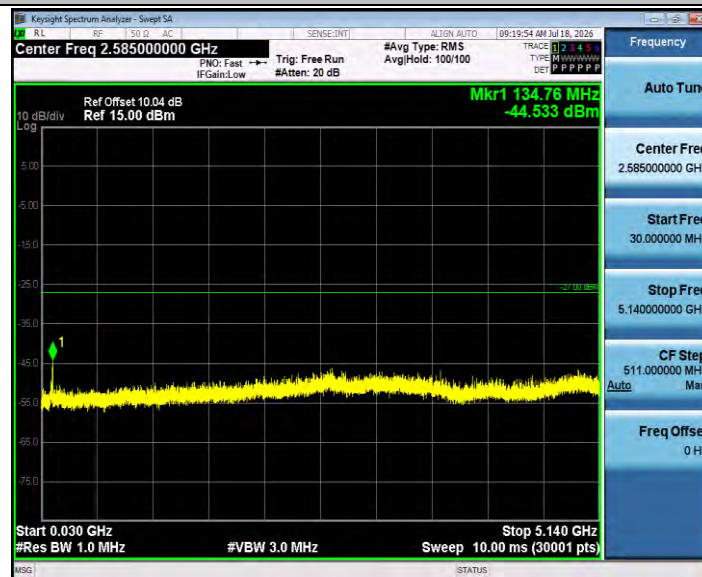


11A_Ant1_5320_30~5140

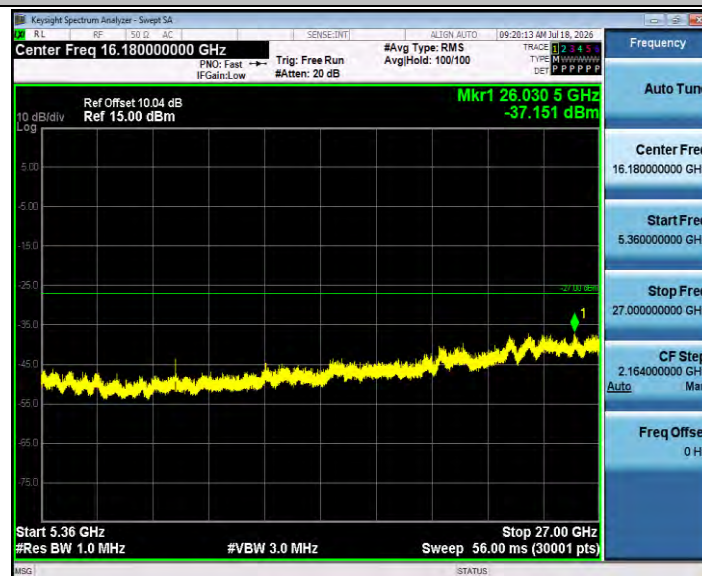




11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~27000



11N20SISO_Ant1_5320_30~5140



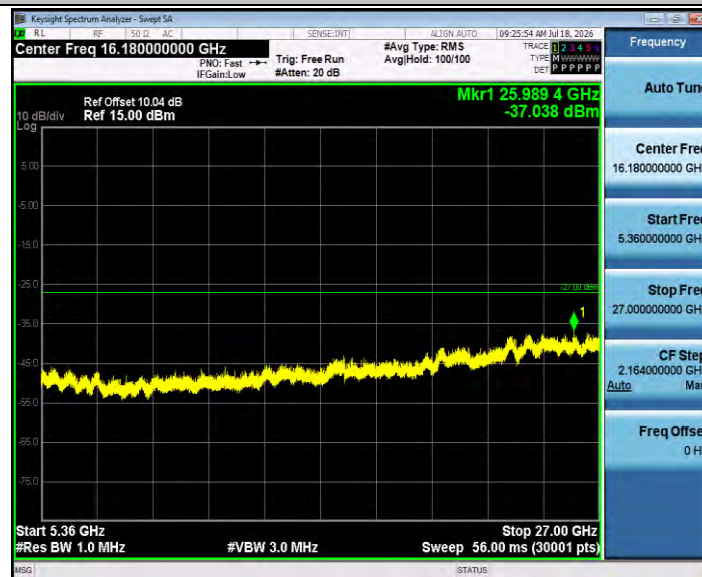
11N20SISO_Ant1_5320_5360~27000



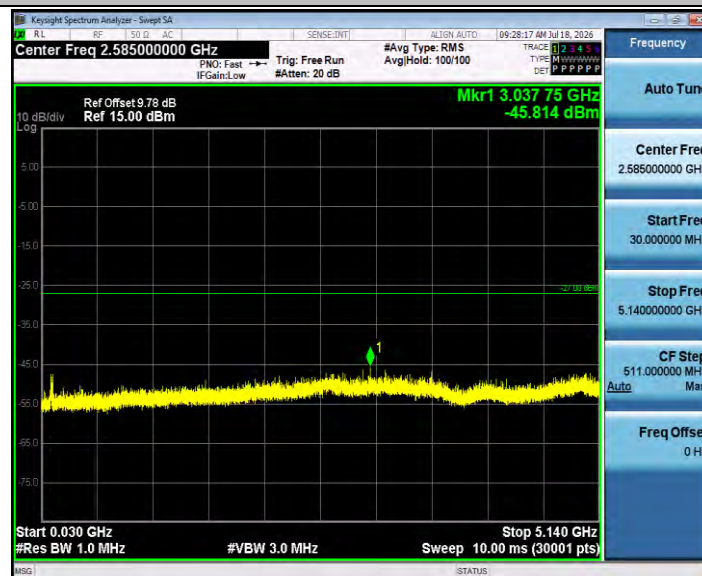
11N40SISO_Ant1_5270_30~5140



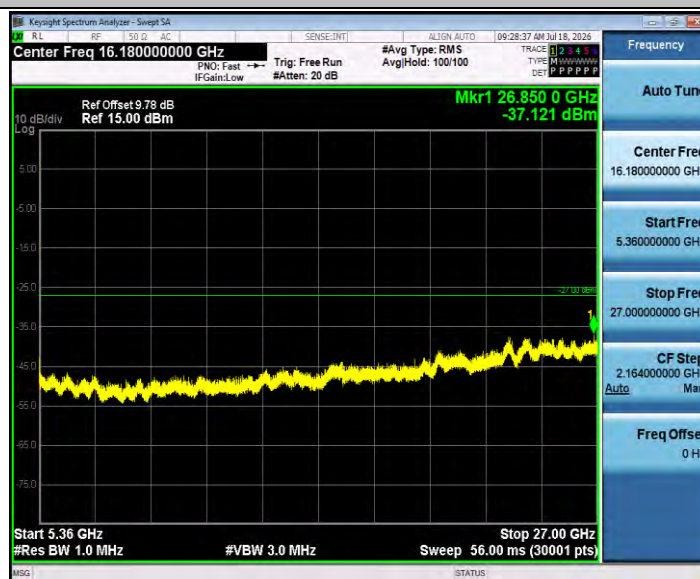
11N40SISO_Ant1_5270_5360~27000



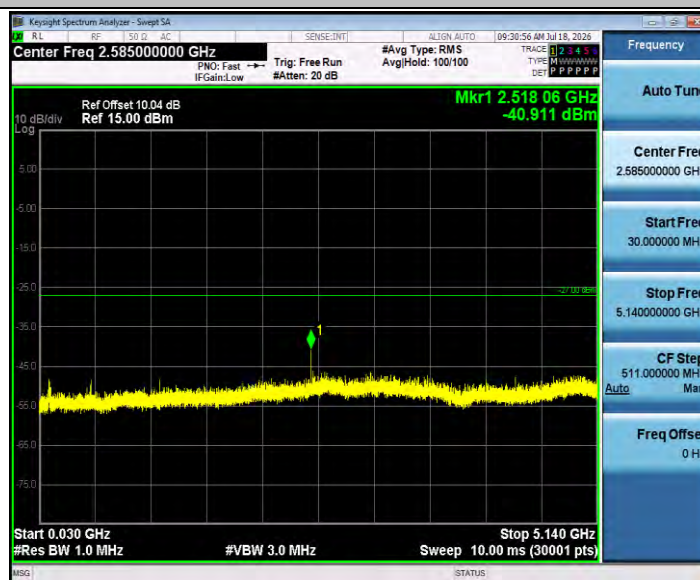
11N40SISO_Ant1_5310_30~5140



11N40SISO_Ant1_5310_5360~27000



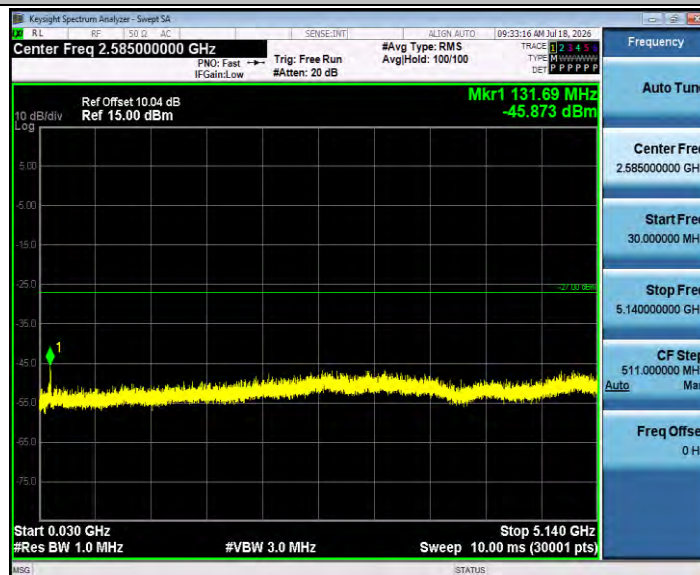
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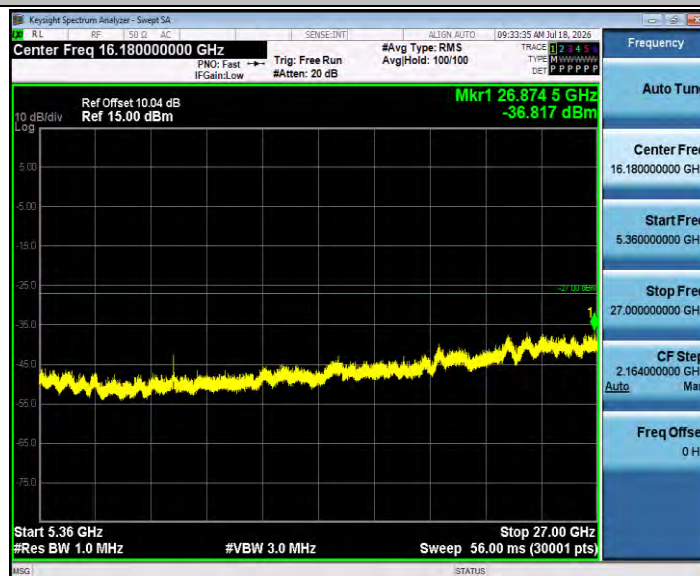
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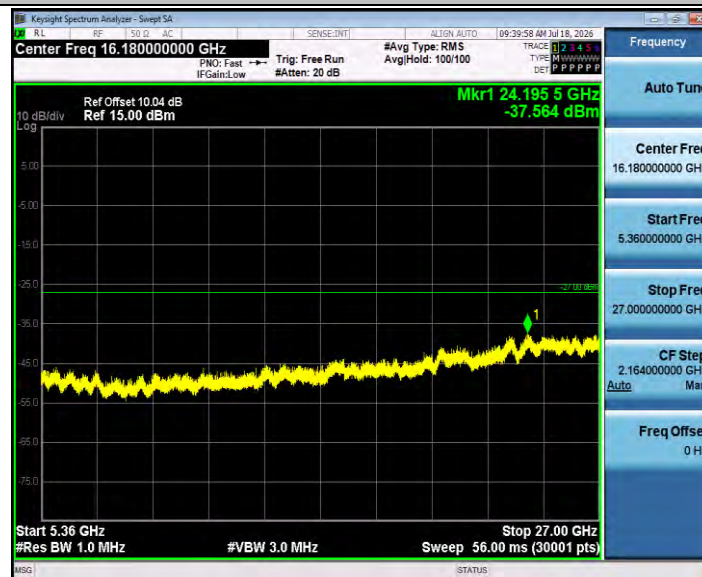
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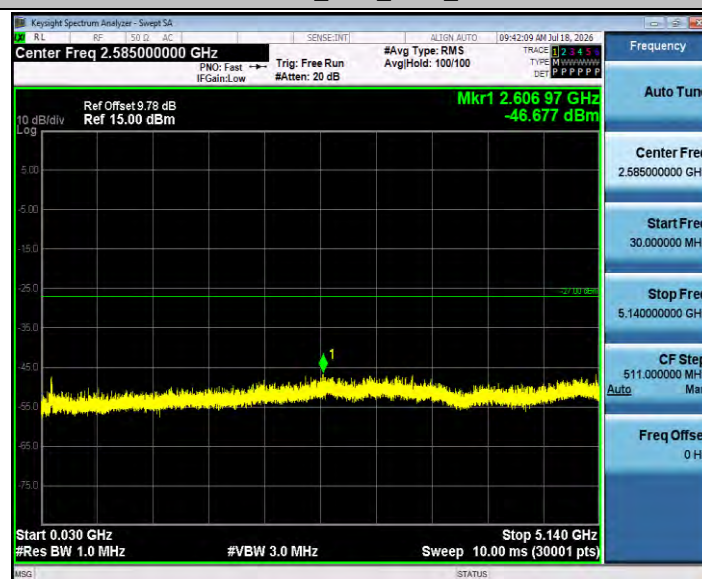
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11AC40SISO_Ant1_5270_5360~27000



11AC40SISO_Ant1_5310_5360~27000



11AC40SISO_Ant1_5310_5360~27000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~27000

