

Case No. : <u>GTS20231018011-1-88</u>
Ambient Condition: <u>22 °C, 45 %RH</u>
According Standard: <u>■Part15E</u>
Test Date: <u>2024.1.24</u> Test Engineer: <u>Evan ouyang</u>

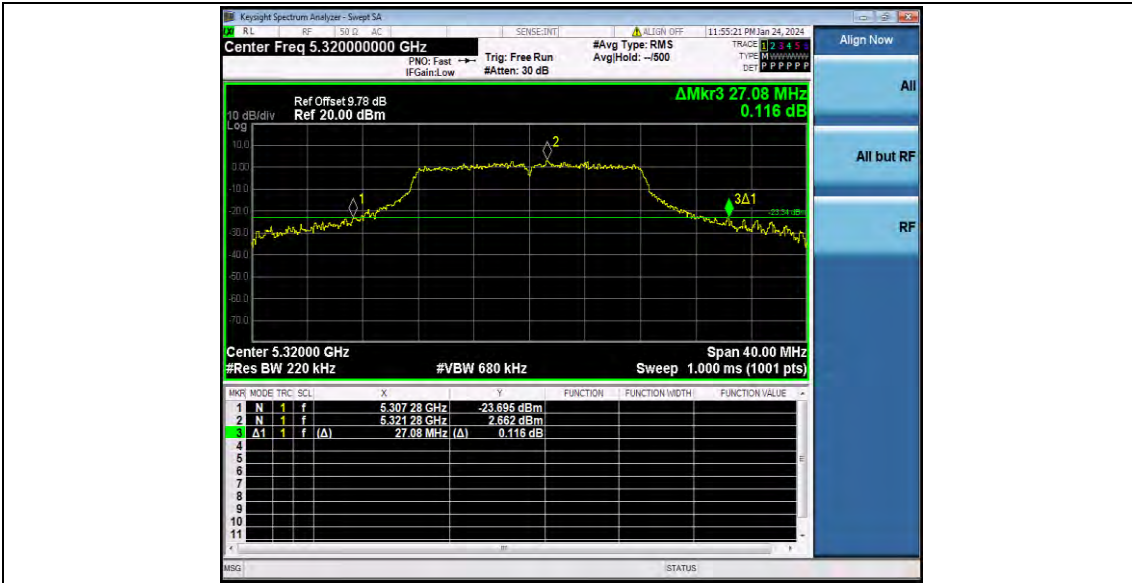
Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	24.880	5247.320	5272.200	---	---
		5280	25.040	5267.240	5292.280	---	---
		5320	27.080	5307.280	5334.360	---	---
11N20SISO	Ant1	5260	25.000	5247.240	5272.240	---	---
		5280	25.080	5267.160	5292.240	---	---
		5320	25.200	5307.560	5332.760	---	---
11N40SISO	Ant1	5270	39.840	5250.080	5289.920	---	---
		5310	39.840	5290.240	5330.080	---	---
11AC20SISO	Ant1	5260	25.480	5247.000	5272.480	---	---
		5280	24.800	5267.520	5292.320	---	---
		5320	25.840	5307.280	5333.120	---	---
11AC40SISO	Ant1	5270	40.080	5249.920	5290.000	---	---
		5310	40.000	5290.080	5330.080	---	---
11AC80SISO	Ant1	5290	80.320	5249.840	5330.160	---	---
11AX20SISO	Ant1	5260	30.080	5242.160	5272.240	---	---
		5280	24.640	5266.960	5291.600	---	---
		5320	22.320	5309.200	5331.520	---	---
11AX40SISO	Ant1	5270	39.760	5250.160	5289.920	---	---
		5310	39.600	5290.240	5329.840	---	---
11AX80SISO	Ant1	5290	80.480	5249.840	5330.320	---	---

Test Graphs





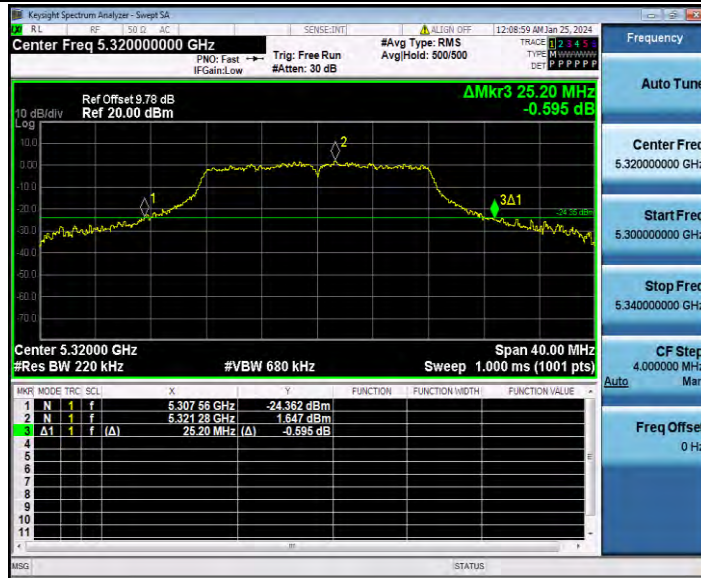
11N20SISO_Ant1_5260



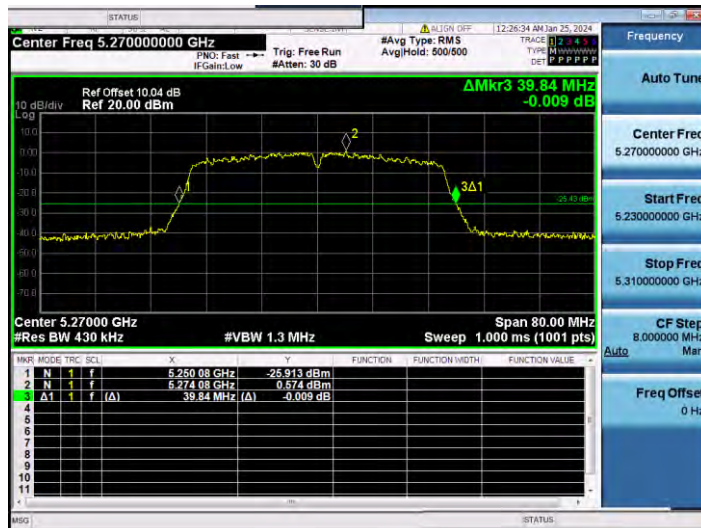
11N20SISO_Ant1_5280



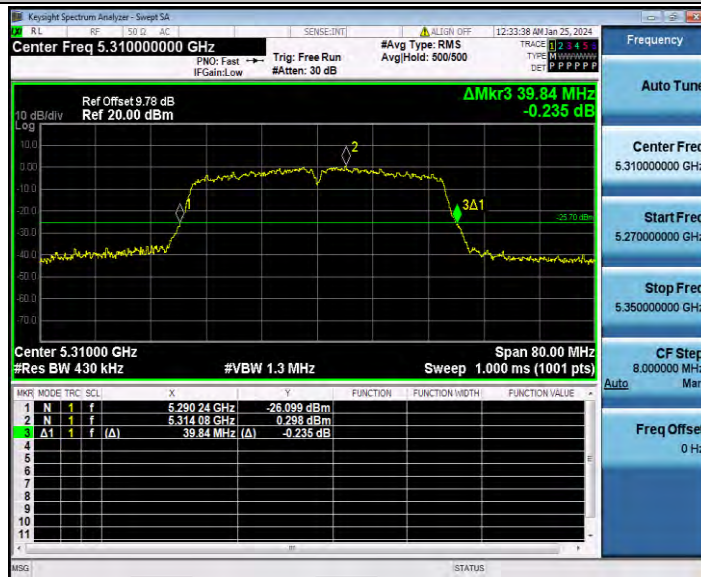
11N20SISO_Ant1_5320



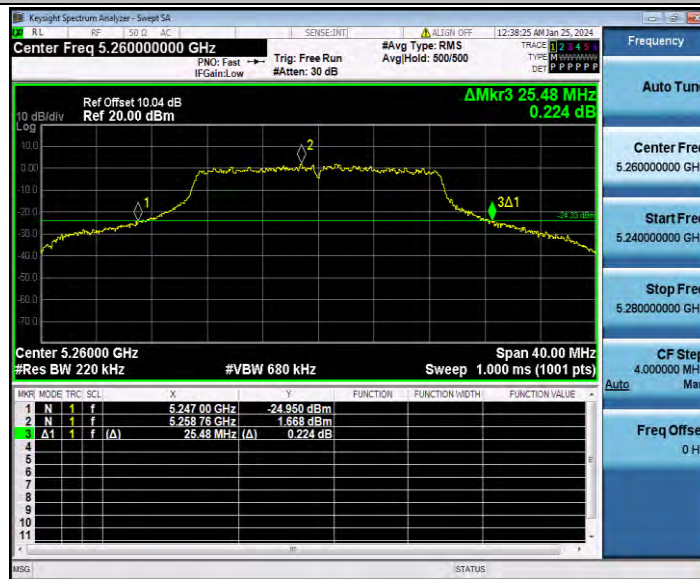
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



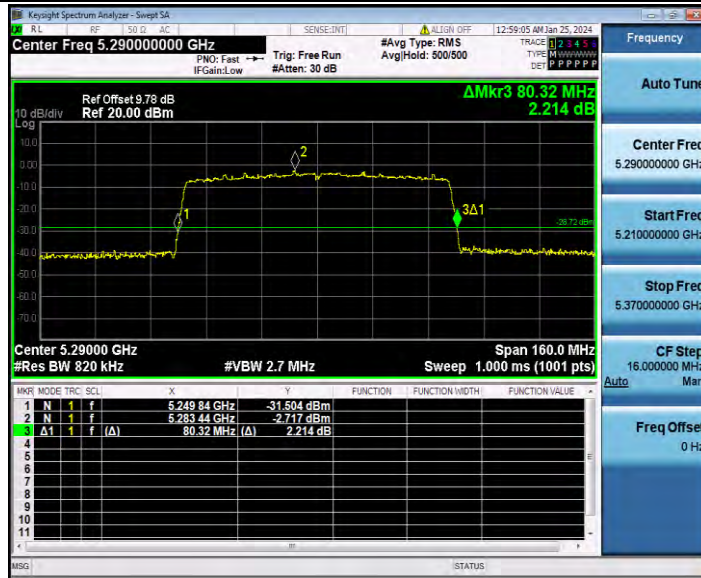
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



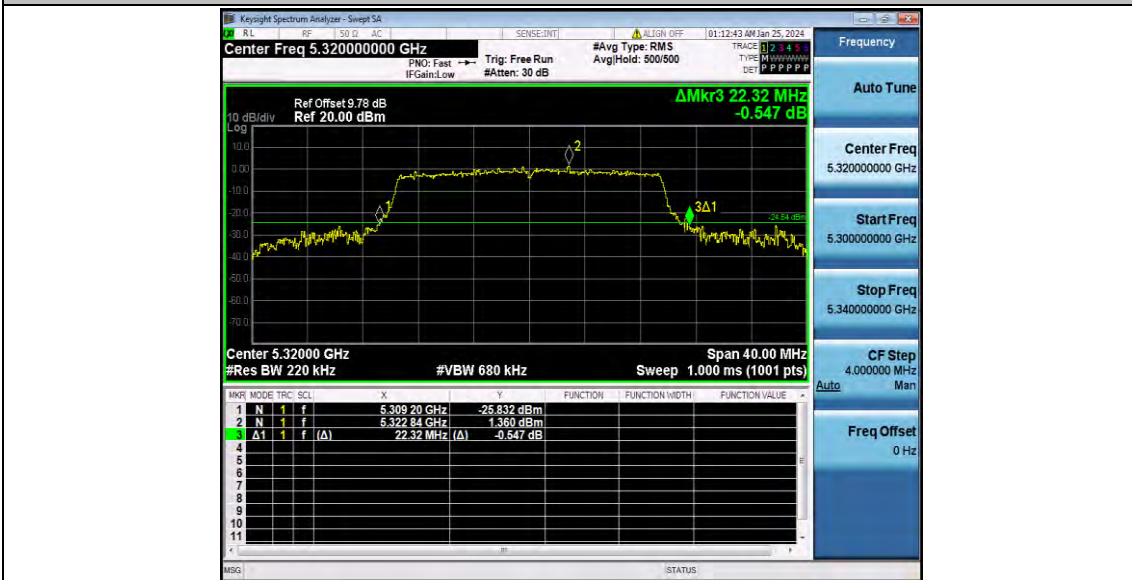
11AX20SISO_Ant1_5260



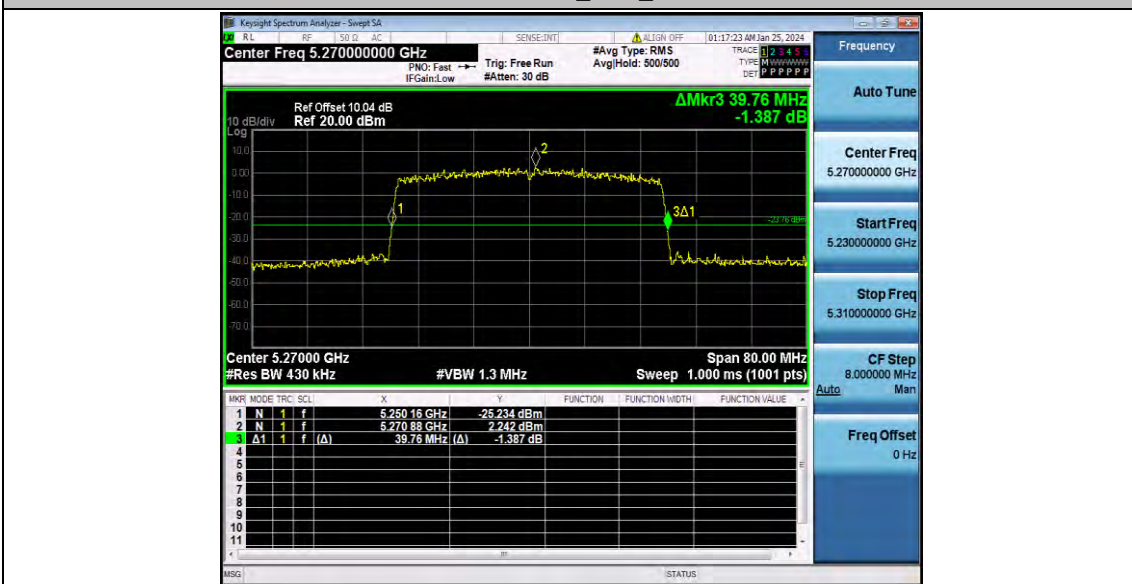
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



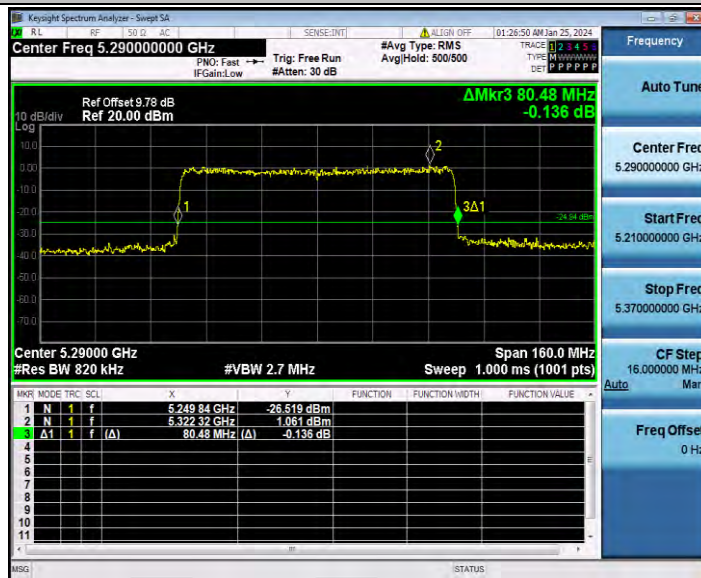
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

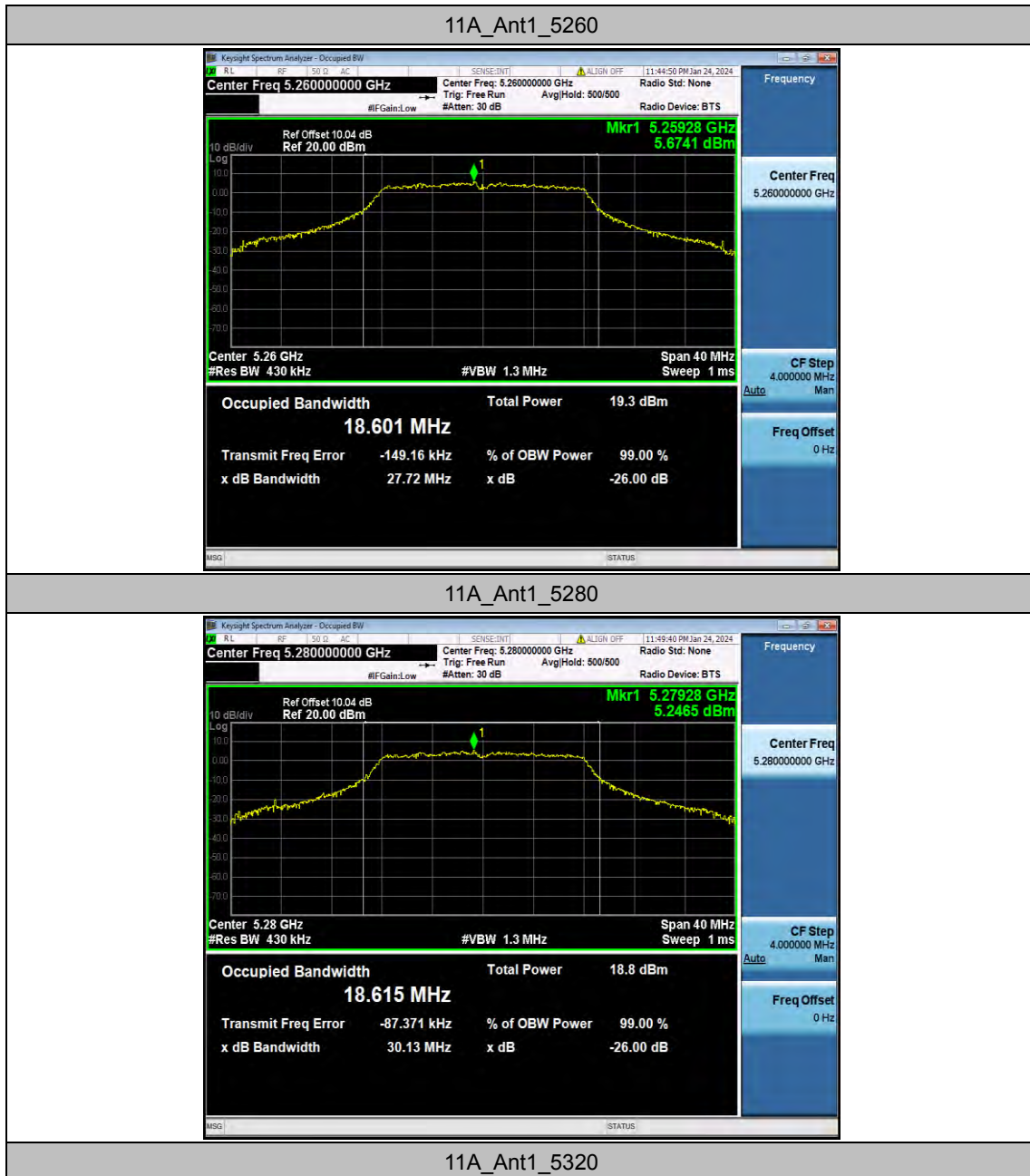


Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	18.601	5250.5503	5269.1513	---	---
		5280	18.615	5270.6051	5289.2201	---	---
		5320	18.641	5310.7531	5329.3941	---	---
11N20SISO	Ant1	5260	18.570	5250.5494	5269.1194	---	---
		5280	18.659	5270.5577	5289.2167	---	---
		5320	18.613	5310.7781	5329.3911	---	---
11N40SISO	Ant1	5270	35.924	5252.0328	5287.9568	---	---
		5310	35.909	5292.1488	5328.0578	---	---
11AC20SISO	Ant1	5260	19.096	5250.3601	5269.4561	---	---
		5280	19.134	5270.4024	5289.5364	---	---
		5320	19.160	5310.5410	5329.7010	---	---
11AC40SISO	Ant1	5270	35.923	5252.0473	5287.9703	---	---
		5310	35.946	5292.1597	5328.1057	---	---
11AC80SISO	Ant1	5290	75.361	5252.4173	5327.7783	---	---
11AX20SISO	Ant1	5260	19.240	5250.3777	5269.6177	---	---
		5280	19.196	5270.4252	5289.6212	---	---
		5320	19.190	5310.4624	5329.6524	---	---
11AX40SISO	Ant1	5270	37.585	5251.2217	5288.8067	---	---
		5310	37.553	5291.2929	5328.8459	---	---
11AX80SISO	Ant1	5290	77.811	5251.1391	5328.9501	---	---

Test Graphs





11N20SISO_Ant1_5260



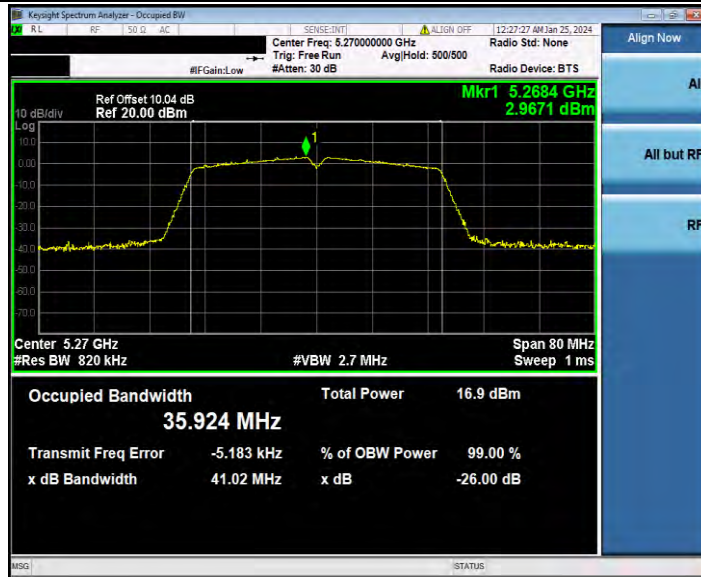
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



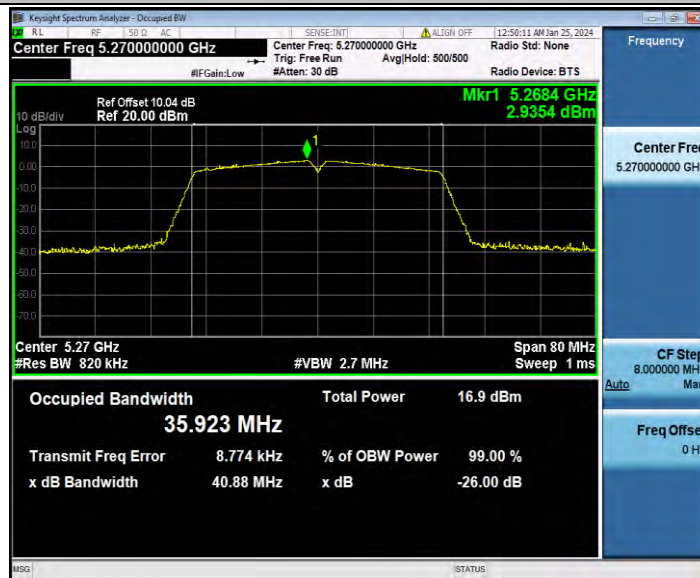
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



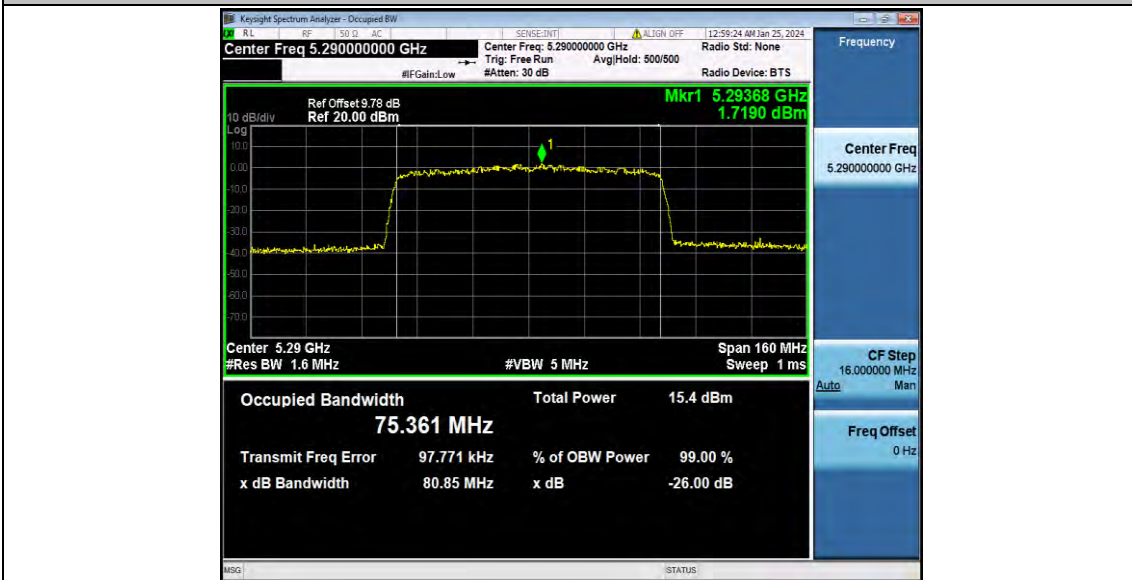
11AC40SISO_Ant1_5270



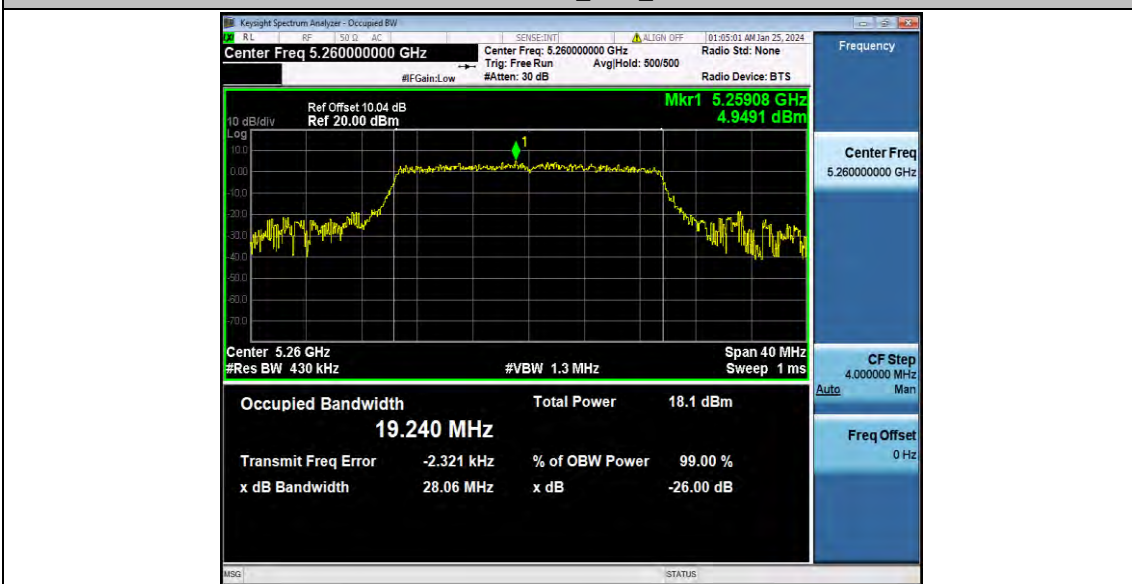
11AC40SISO_Ant1_5310



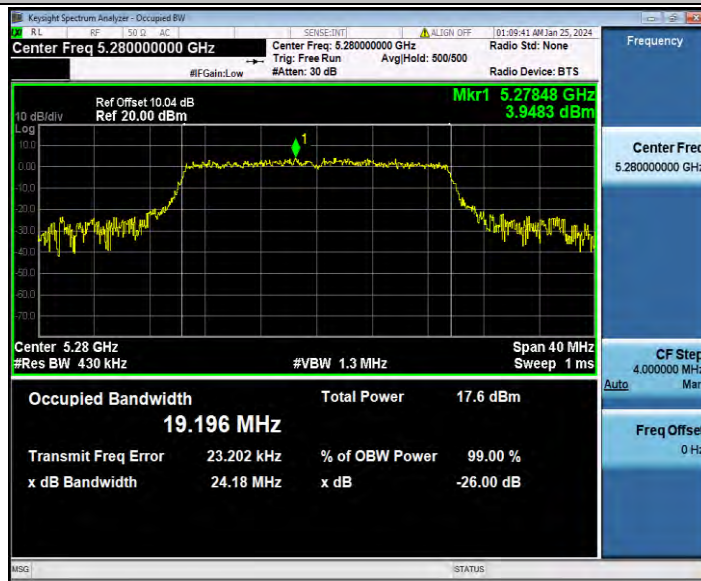
11AC80SISO_Ant1_5290



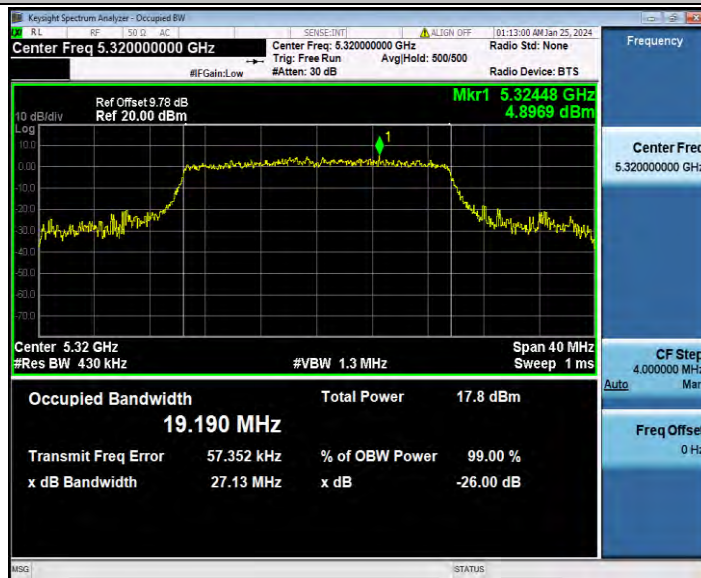
11AX20SISO_Ant1_5260



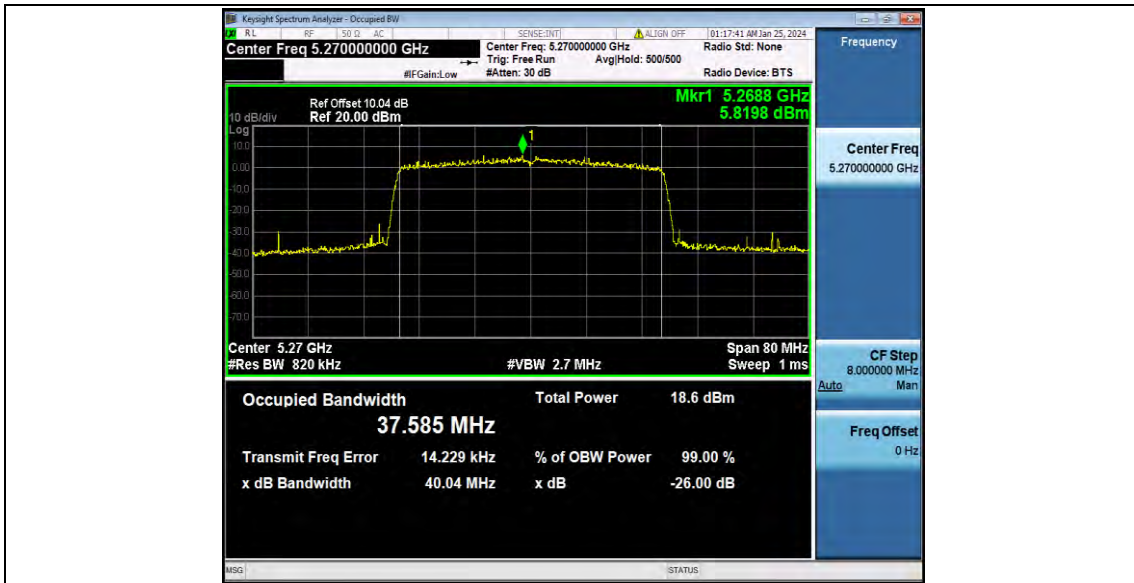
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



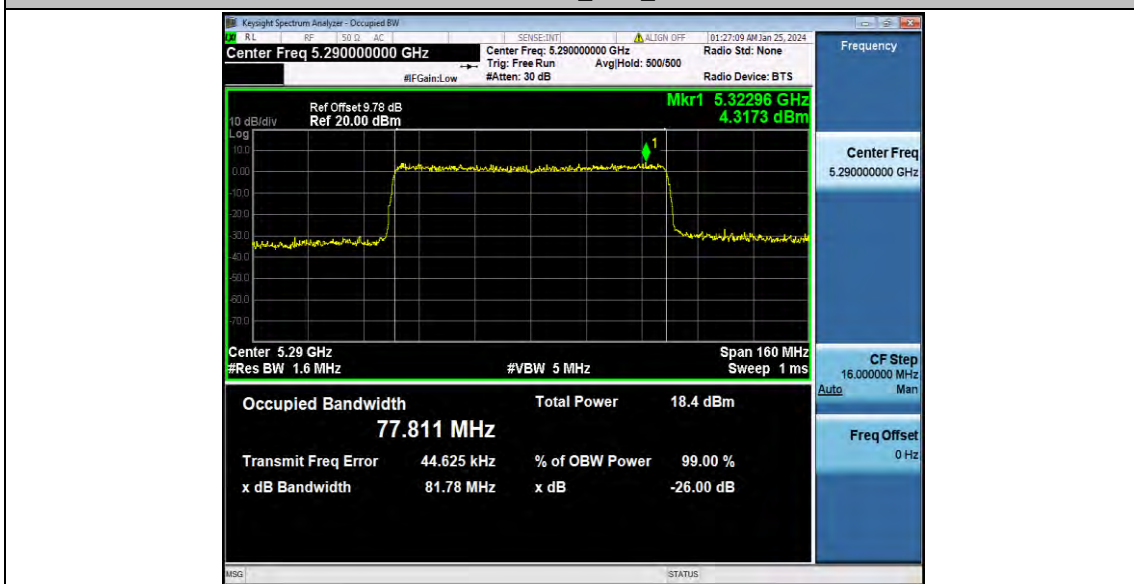
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

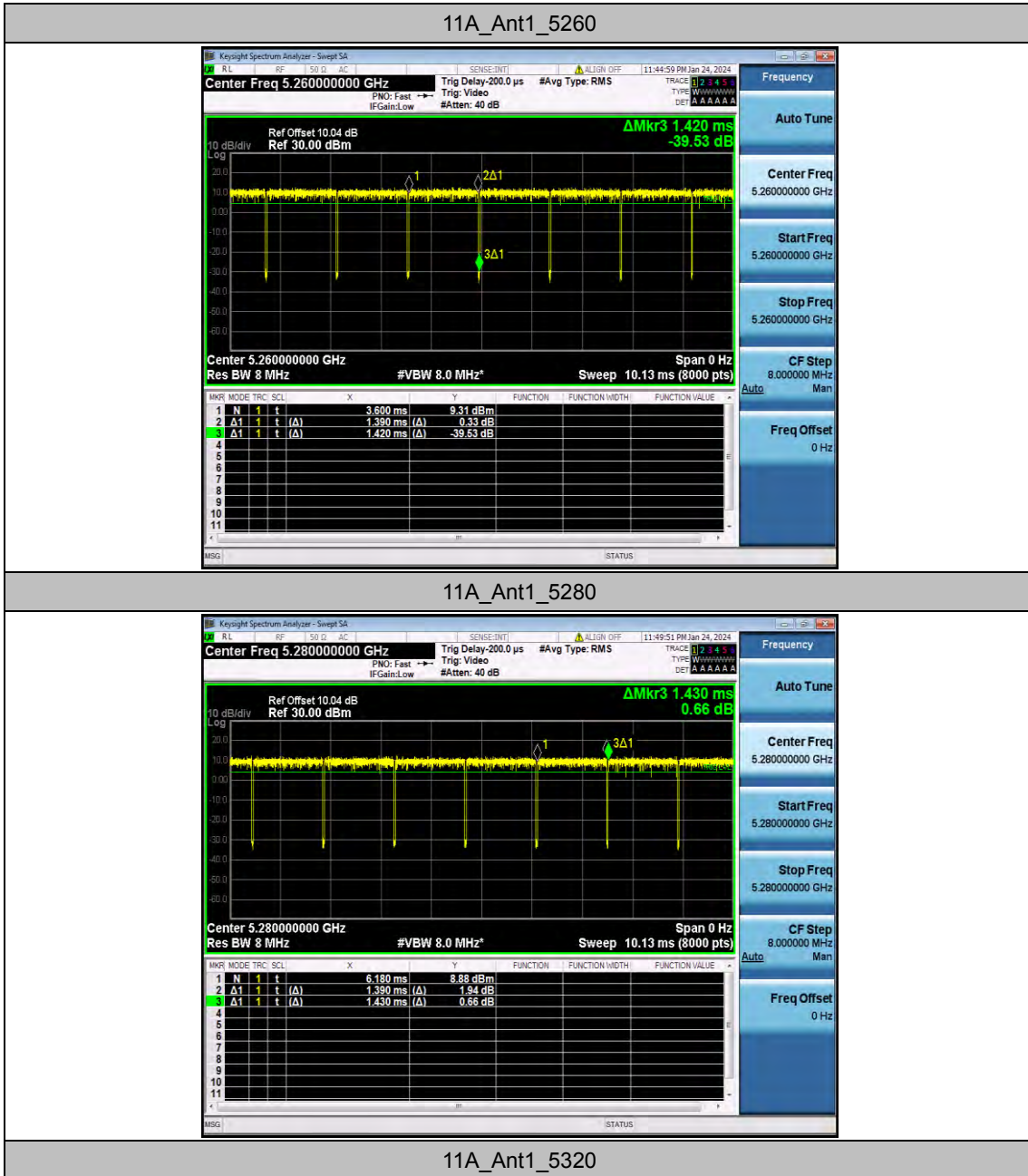


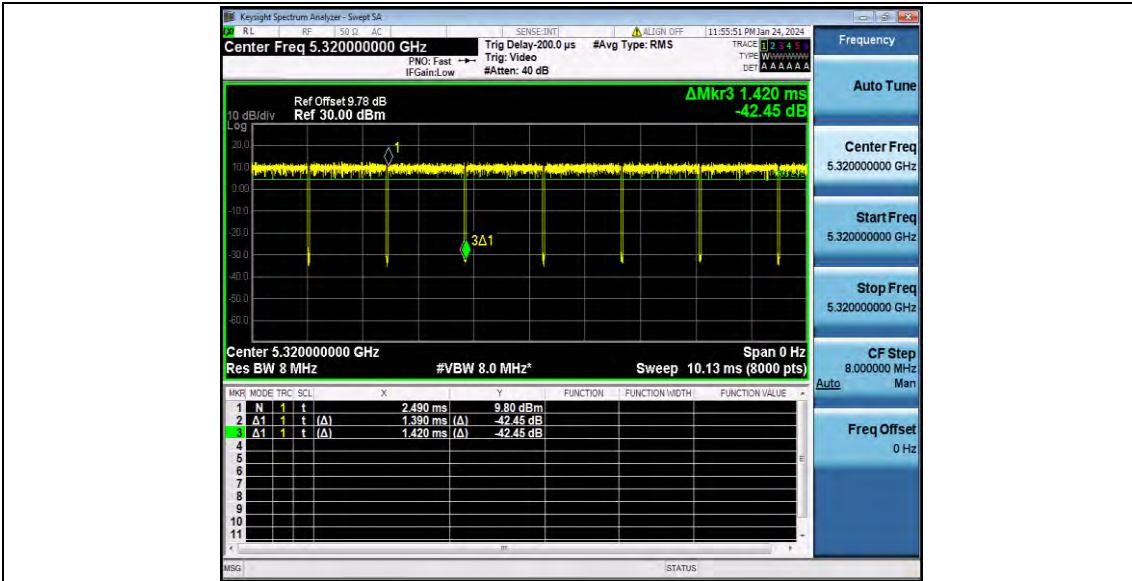
Appendix E.3: Duty Cycle

Test Result

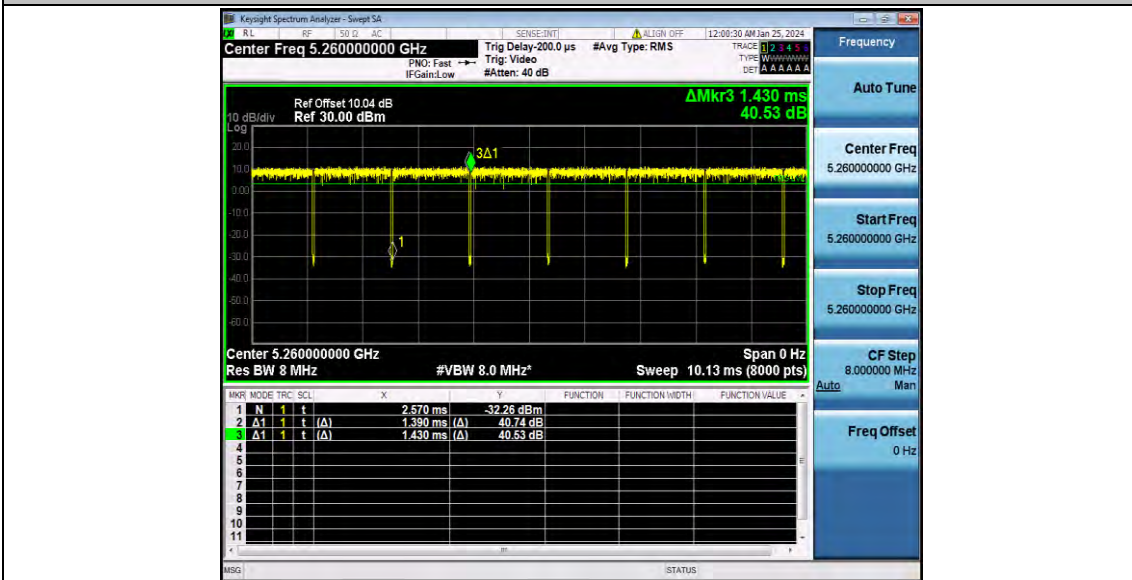
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	1.39	1.42	97.89	0.09	0.72
		5280	1.39	1.43	97.20	0.12	0.72
		5320	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant1	5260	1.39	1.43	97.20	0.12	0.72
		5280	1.39	1.42	97.89	0.09	0.72
		5320	1.39	1.43	97.20	0.12	0.72
11N40SISO	Ant1	5270	0.65	0.68	95.59	0.20	1.54
		5310	0.66	0.69	95.65	0.19	1.52
11AC20SISO	Ant1	5260	1.31	1.34	97.76	0.10	0.76
		5280	1.32	1.35	97.78	0.10	0.76
		5320	1.31	1.34	97.76	0.10	0.76
11AC40SISO	Ant1	5270	0.65	0.69	94.20	0.26	1.54
		5310	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5290	0.32	0.35	91.43	0.39	3.13
11AX20SISO	Ant1	5260	1.01	1.05	96.19	0.17	0.99
		5280	1.01	1.05	96.19	0.17	0.99
		5320	1.01	1.05	96.19	0.17	0.99
11AX40SISO	Ant1	5270	0.53	0.57	92.98	0.32	1.89
		5310	0.54	0.57	94.74	0.23	1.85
11AX80SISO	Ant1	5290	2.54	5.07	50.10	3.00	0.39

Test Graphs

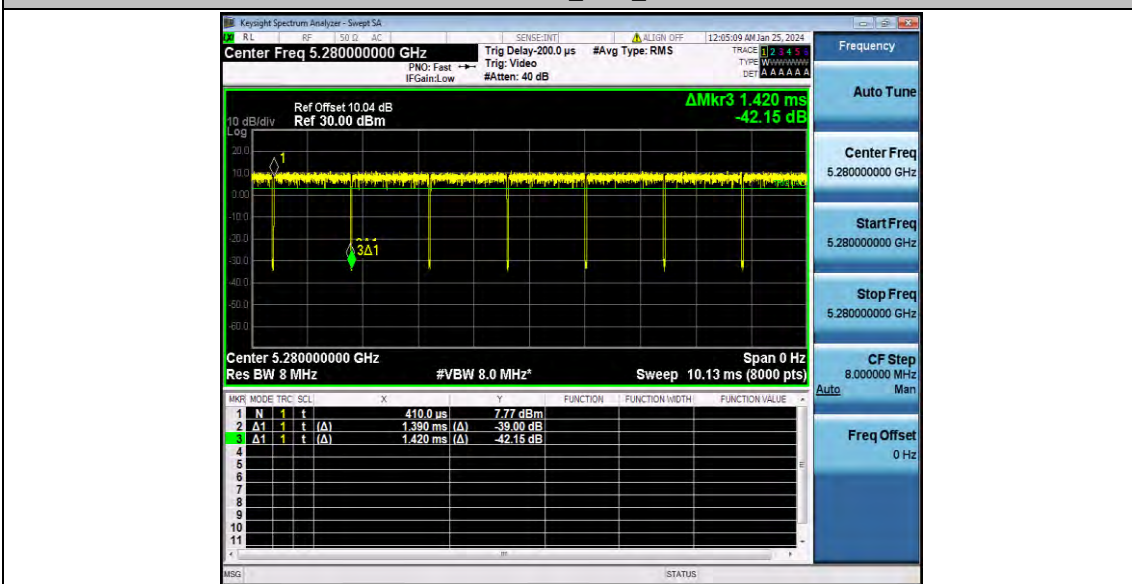




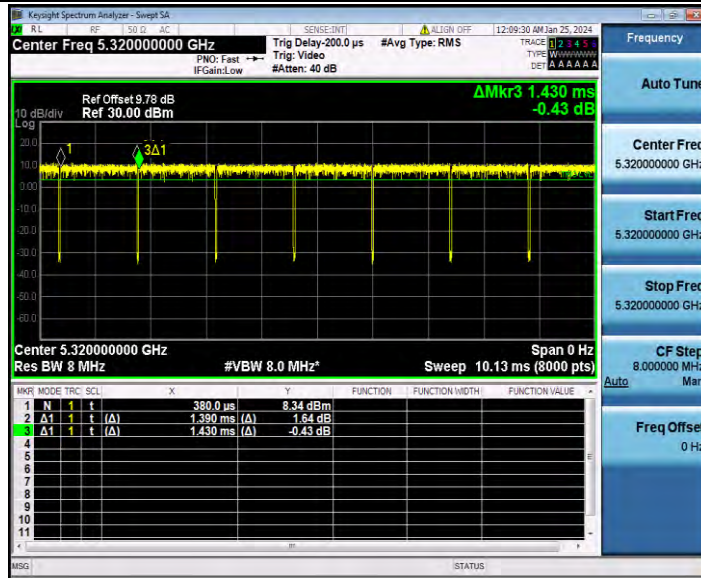
11N20SISO_Ant1_5260



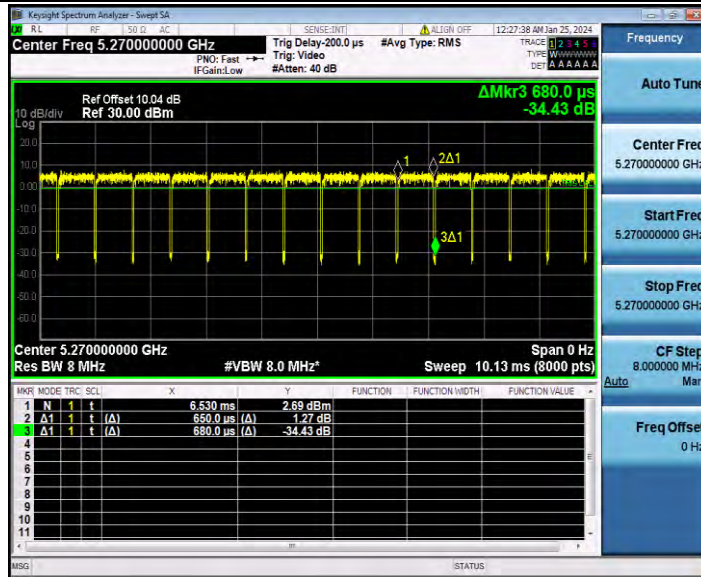
11N20SISO_Ant1_5280



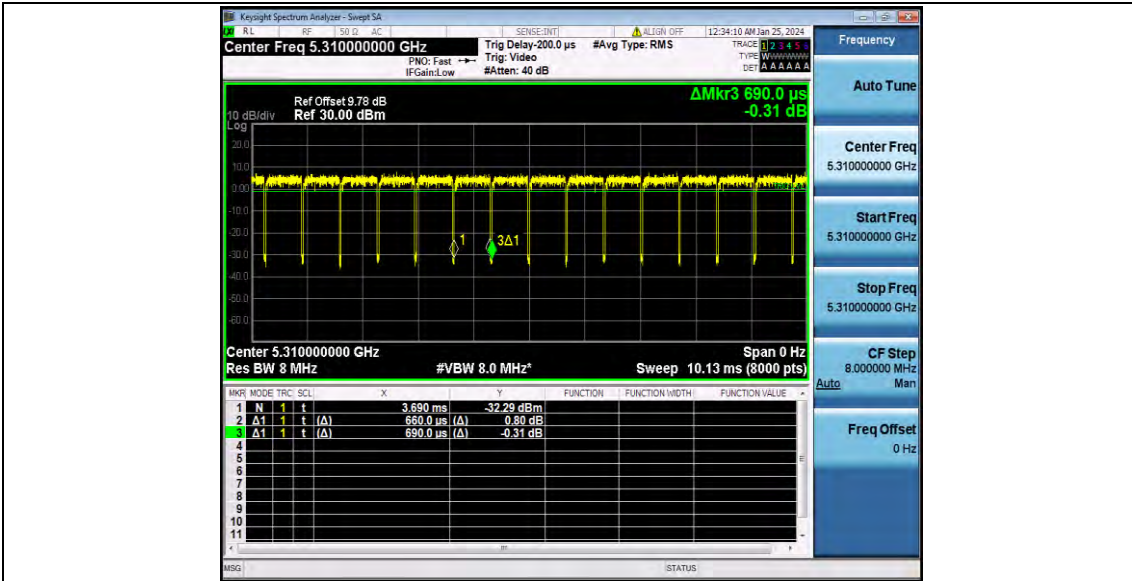
11N20SISO_Ant1_5320



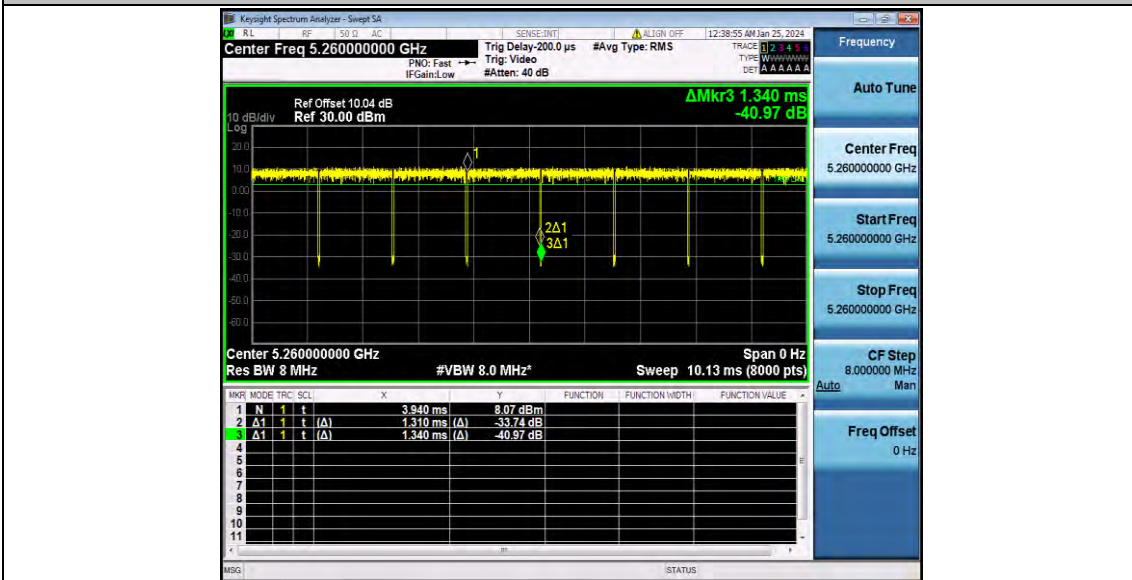
11N40SISO_Ant1_5270



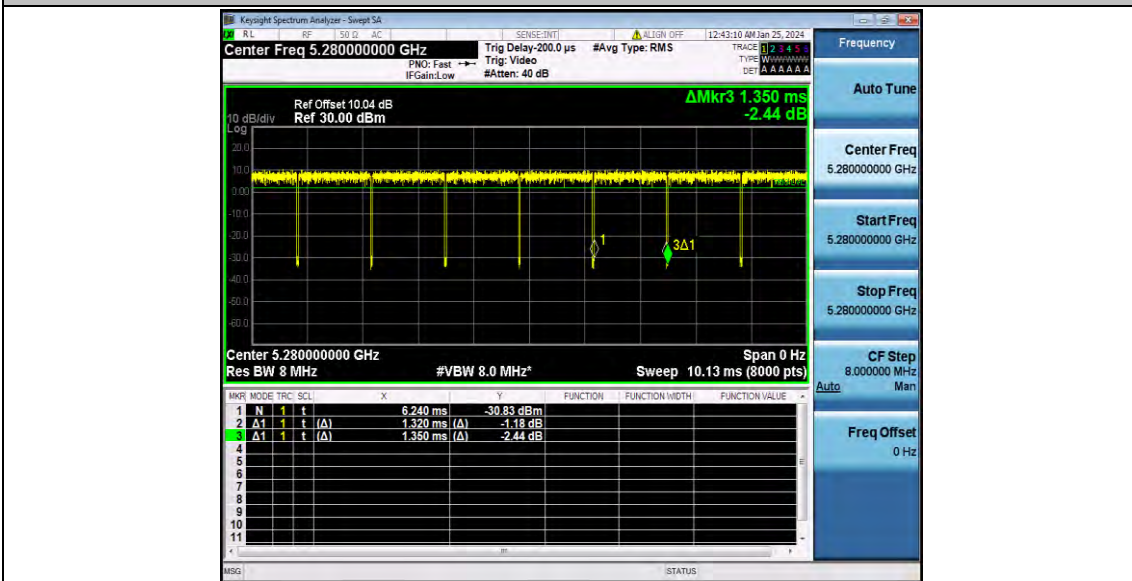
11N40SISO_Ant1_5310



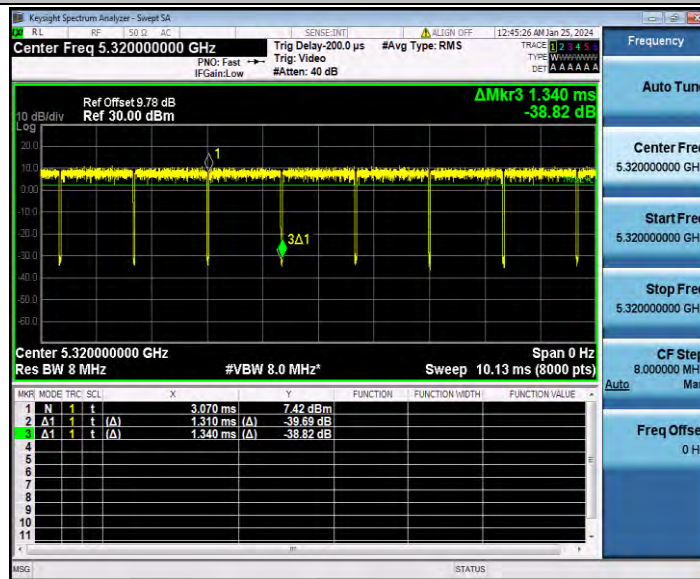
11AC20SISO_Ant1_5260



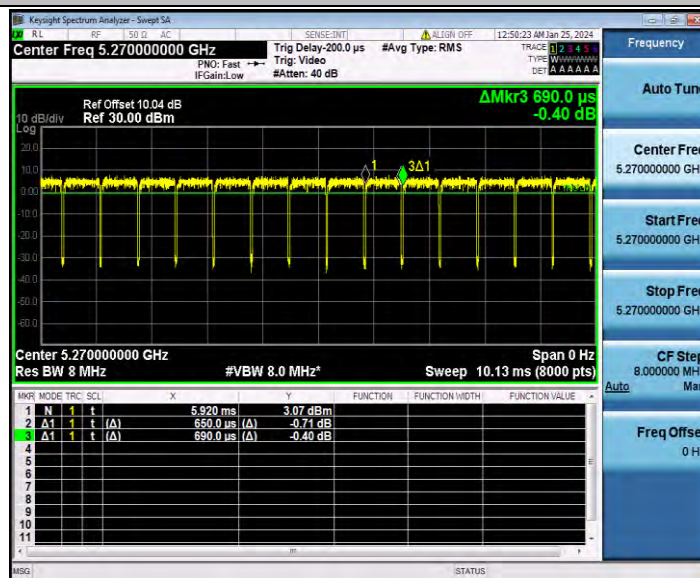
11AC20SISO_Ant1_5280



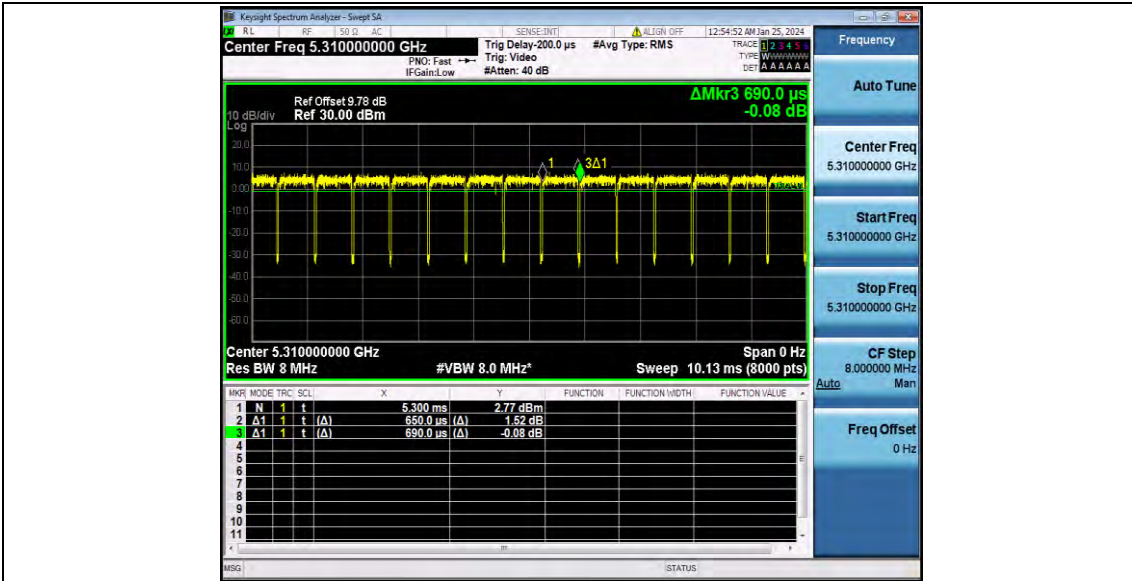
11AC20SISO_Ant1_5320



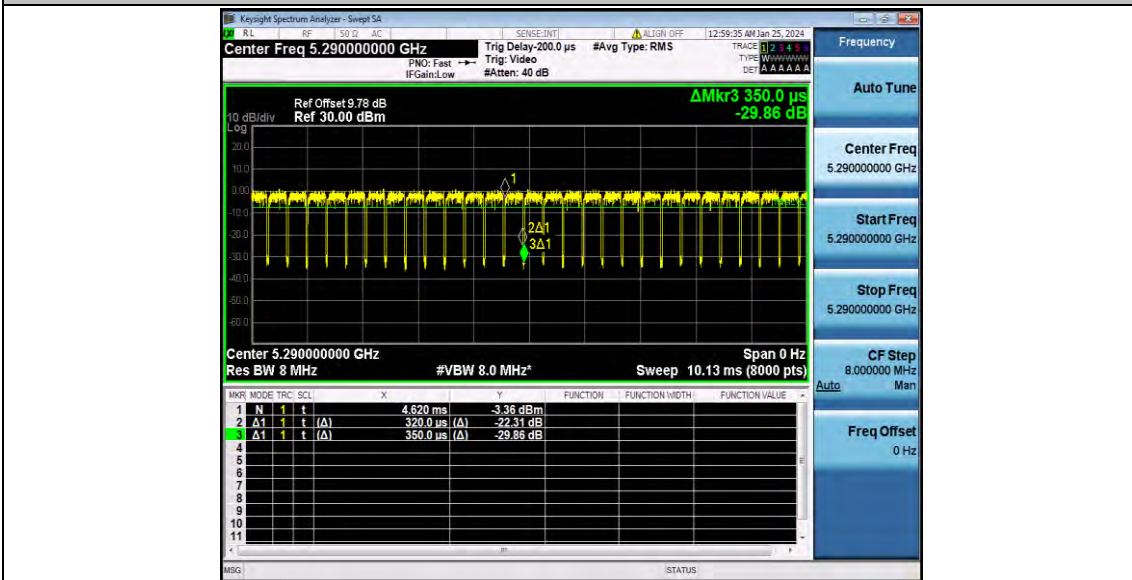
11AC40SISO_Ant1_5270



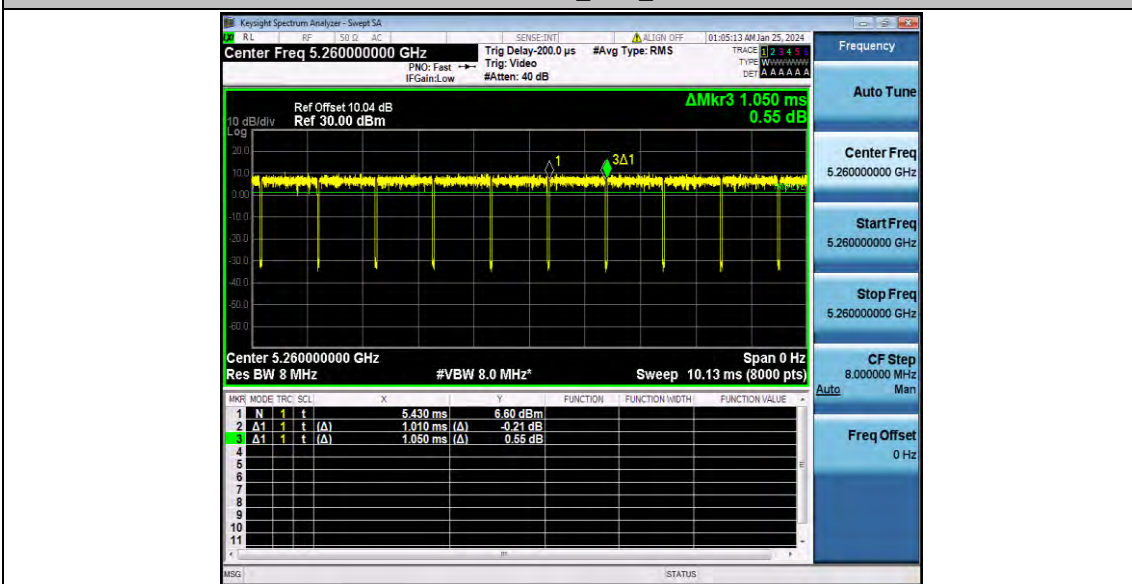
11AC40SISO_Ant1_5310



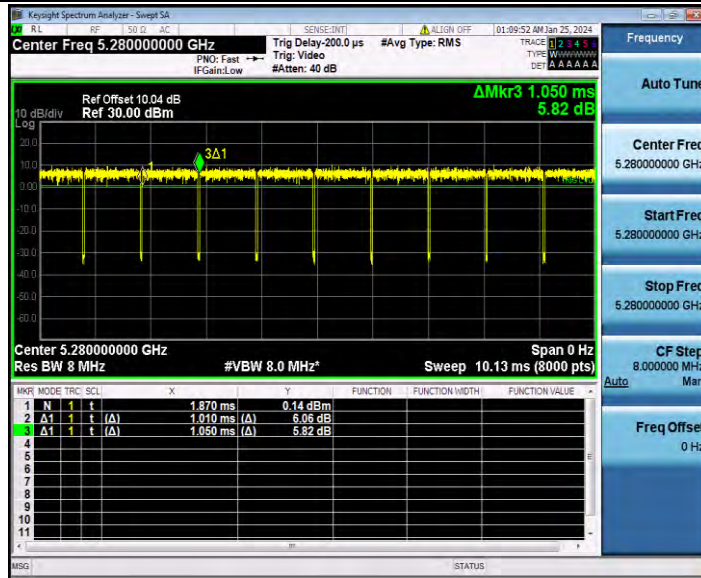
11AC80SISO_Ant1_5290



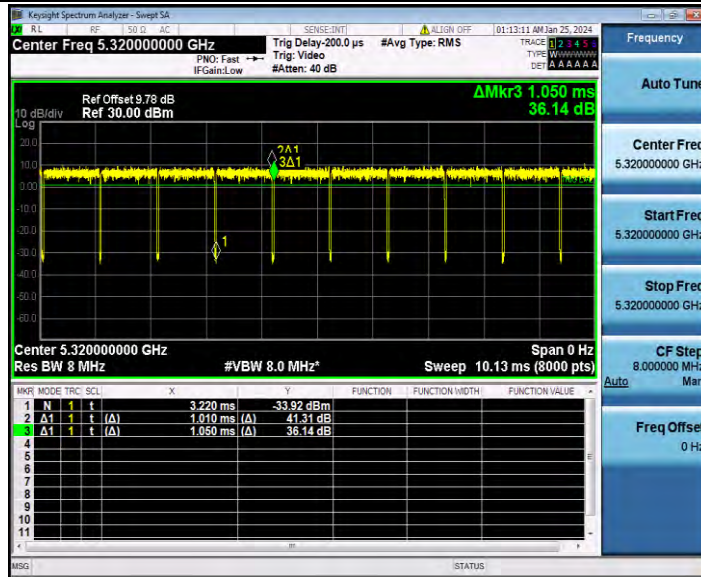
11AX20SISO_Ant1_5260



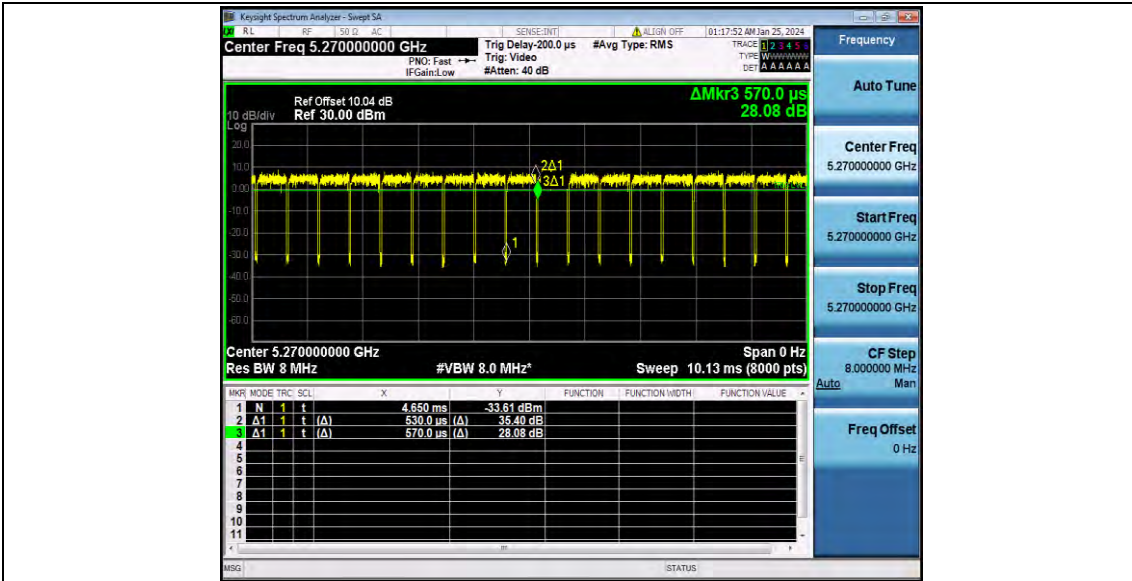
11AX20SISO_Ant1_5280



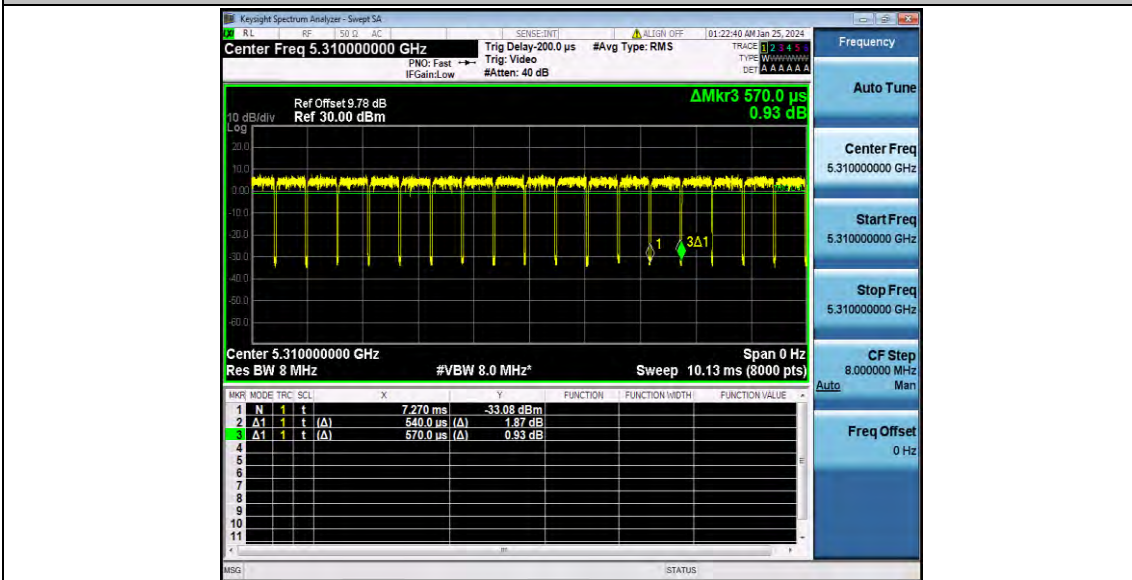
11AX20SISO_Ant1_5320



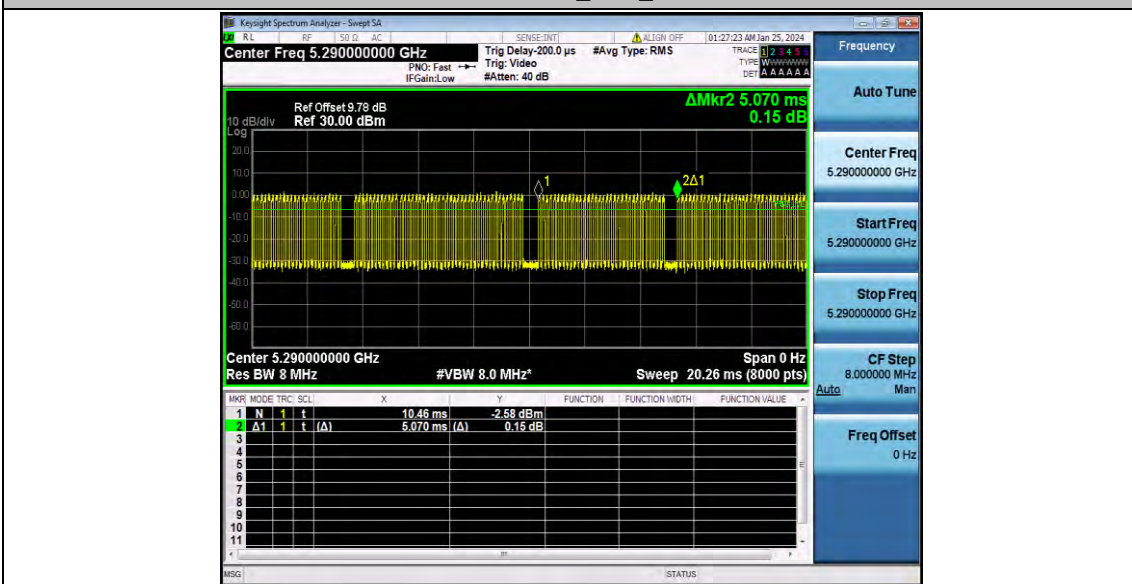
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290



Appendix E.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	12.54	97.89	0.09	12.63	≤23.98	PASS
		5280	11.98	97.20	0.12	12.10	≤23.98	PASS
		5320	12.45	97.89	0.09	12.54	≤23.98	PASS
11N20SI SO	Ant1	5260	11.59	97.20	0.12	11.71	≤23.98	PASS
		5280	10.99	97.89	0.09	11.08	≤23.98	PASS
		5320	11.25	97.20	0.12	11.37	≤23.98	PASS
11N40SI SO	Ant1	5270	9.54	95.59	0.20	9.74	≤23.98	PASS
		5310	9.24	95.65	0.19	9.43	≤23.98	PASS
11AC20S ISO	Ant1	5260	11.16	97.76	0.10	11.26	≤23.98	PASS
		5280	10.13	97.78	0.10	10.23	≤23.98	PASS
		5320	10.48	97.76	0.10	10.58	≤23.98	PASS
11AC40S ISO	Ant1	5270	9.53	94.20	0.26	9.79	≤23.98	PASS
		5310	9.21	94.20	0.26	9.47	≤23.98	PASS
11AC80S ISO	Ant1	5290	6.19	91.43	0.39	6.58	≤23.98	PASS
11AX20SI SO	Ant1	5260	9.83	96.19	0.17	10.00	≤23.98	PASS
		5280	9.26	96.19	0.17	9.43	≤23.98	PASS
		5320	9.49	96.19	0.17	9.66	≤23.98	PASS
11AX40SI SO	Ant1	5270	9.72	92.98	0.32	10.04	≤23.98	PASS
		5310	9.43	94.74	0.23	9.66	≤23.98	PASS
11AX80SI SO	Ant1	5290	6.83	50.10	3.00	9.83	≤23.98	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

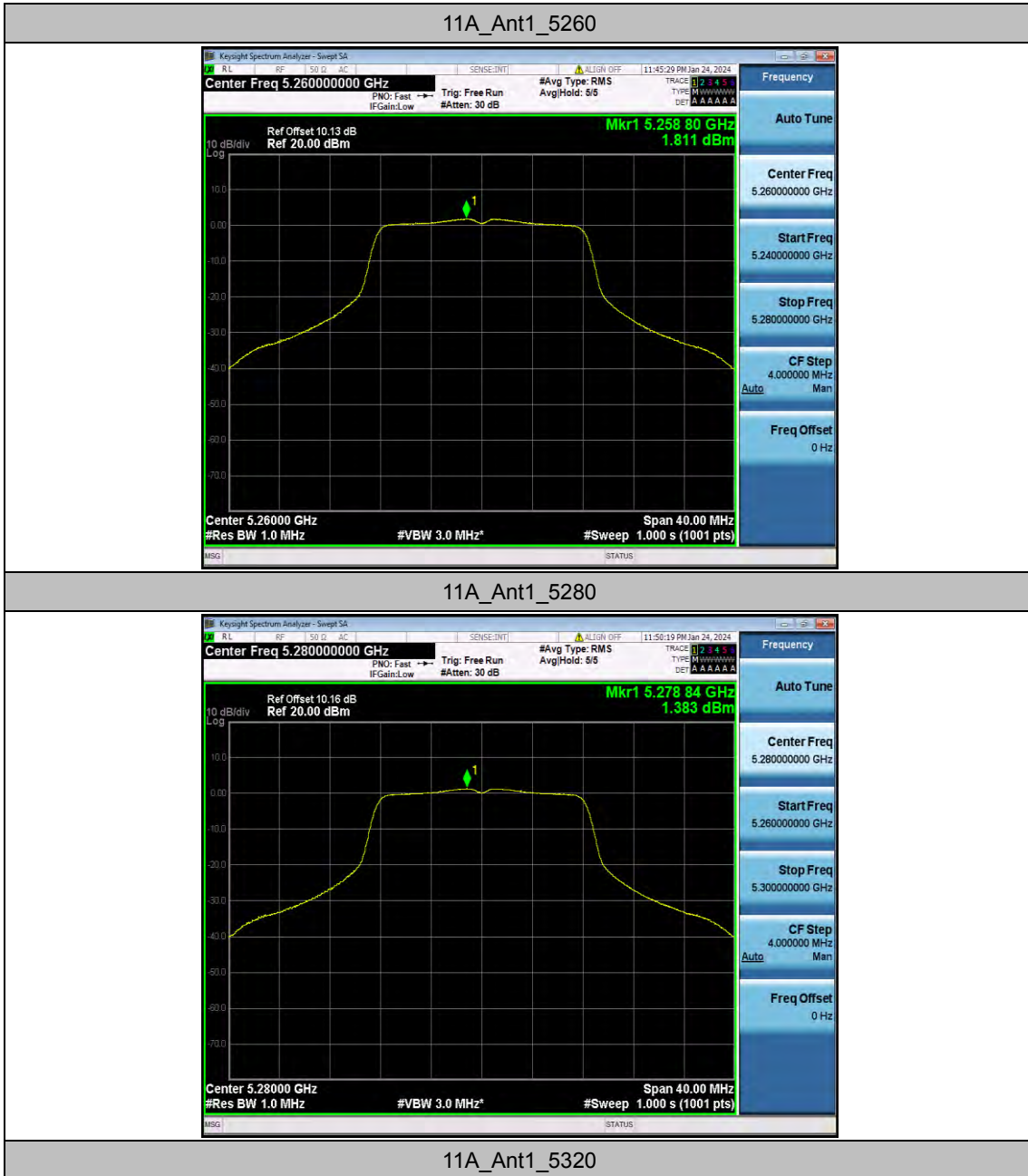
Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.81	≤11.00	PASS
		5280	1.38	≤11.00	PASS
		5320	1.83	≤11.00	PASS
11N20SISO	Ant1	5260	0.75	≤11.00	PASS
		5280	0.25	≤11.00	PASS
		5320	0.43	≤11.00	PASS
11N40SISO	Ant1	5270	-3.42	≤11.00	PASS
		5310	-3.72	≤11.00	PASS
11AC20SISO	Ant1	5260	0.22	≤11.00	PASS
		5280	-0.89	≤11.00	PASS
		5320	-0.42	≤11.00	PASS
11AC40SISO	Ant1	5270	-3.33	≤11.00	PASS
		5310	-3.64	≤11.00	PASS
11AC80SISO	Ant1	5290	-10.31	≤11.00	PASS
11AX20SISO	Ant1	5260	-1.43	≤11.00	PASS
		5280	-2.08	≤11.00	PASS
		5320	-1.73	≤11.00	PASS
11AX40SISO	Ant1	5270	-3.53	≤11.00	PASS
		5310	-3.90	≤11.00	PASS
11AX80SISO	Ant1	5290	-7.03	≤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





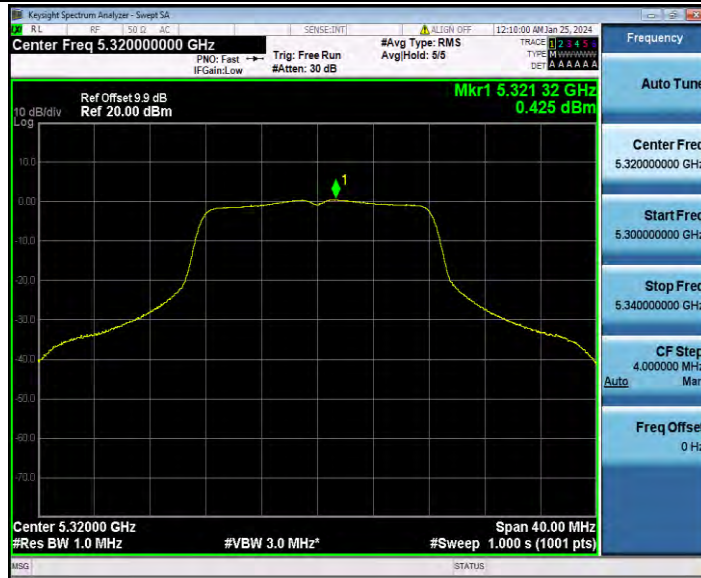
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



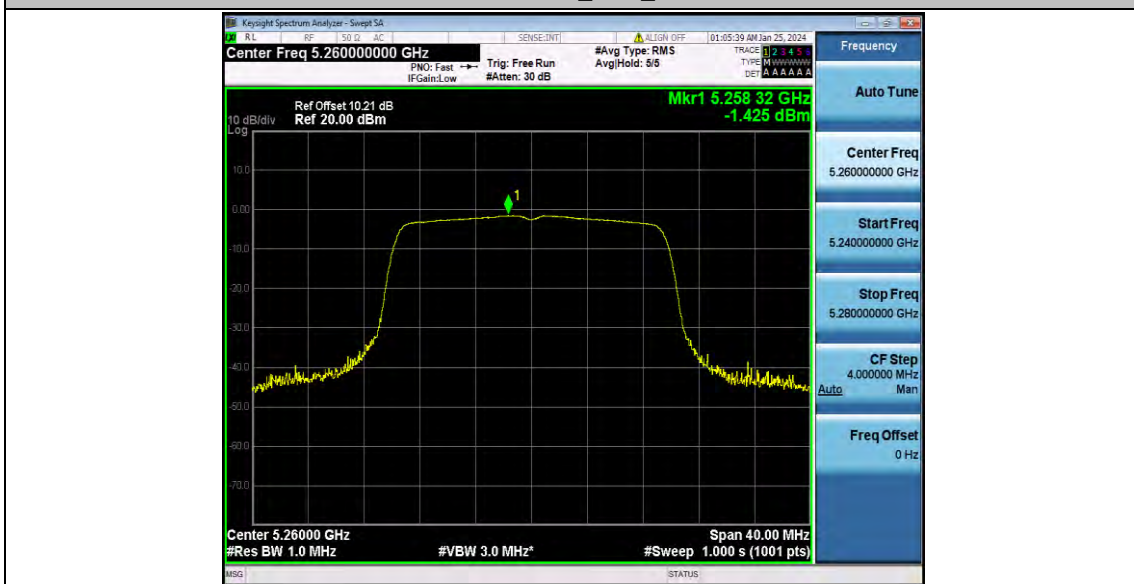
11AC40SISO_Ant1_5310



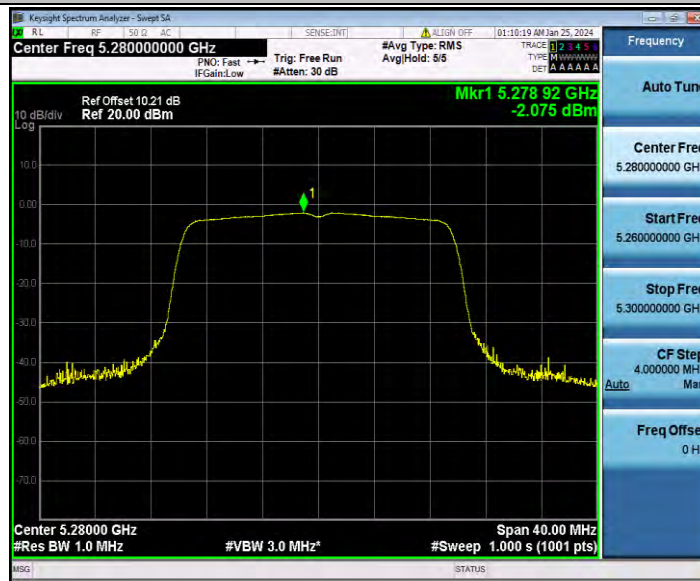
11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

