

Case No. : <u>GTS20230914005-1-12</u>
Ambient Condition: <u>22 °C, 52 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2023.10.8</u> Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	22.920	5248.560	5271.480	---	---
		5280	23.120	5268.560	5291.680	---	---
		5320	23.080	5308.640	5331.720	---	---
11N20SISO	Ant1	5260	25.360	5247.080	5272.440	---	---
		5280	22.960	5268.600	5291.560	---	---
		5320	25.400	5307.360	5332.760	---	---
11N40SISO	Ant1	5270	47.200	5245.840	5293.040	---	---
		5310	46.880	5286.480	5333.360	---	---
11AC20SISO	Ant1	5260	23.160	5248.440	5271.600	---	---
		5280	22.840	5268.560	5291.400	---	---
		5320	26.480	5306.560	5333.040	---	---
11AC40SISO	Ant1	5270	47.360	5246.000	5293.360	---	---
		5310	46.800	5286.400	5333.200	---	---
11AX20SISO	Ant1	5260	23.960	5248.320	5272.280	---	---
		5280	24.480	5267.840	5292.320	---	---
		5320	23.960	5308.560	5332.520	---	---
11AX40SISO	Ant1	5270	45.680	5247.280	5292.960	---	---
		5310	44.880	5287.920	5332.800	---	---

Test Graphs



11A_Ant1_5260



11A_Ant1_5280



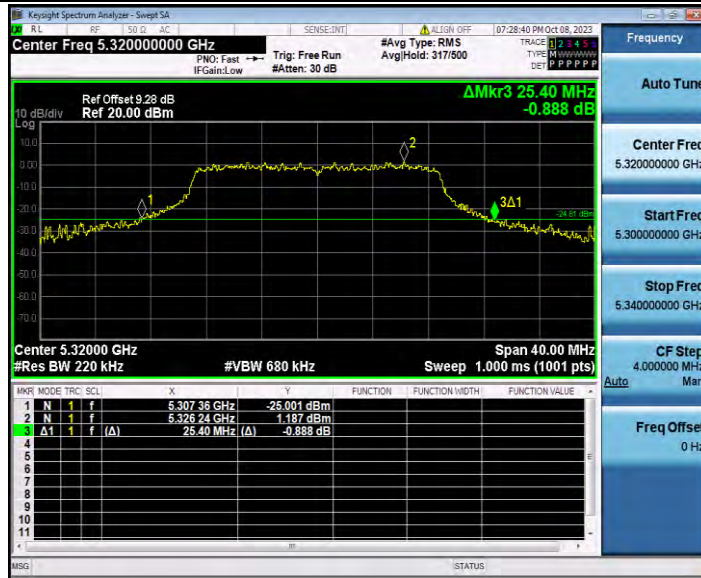
11A_Ant1_5320



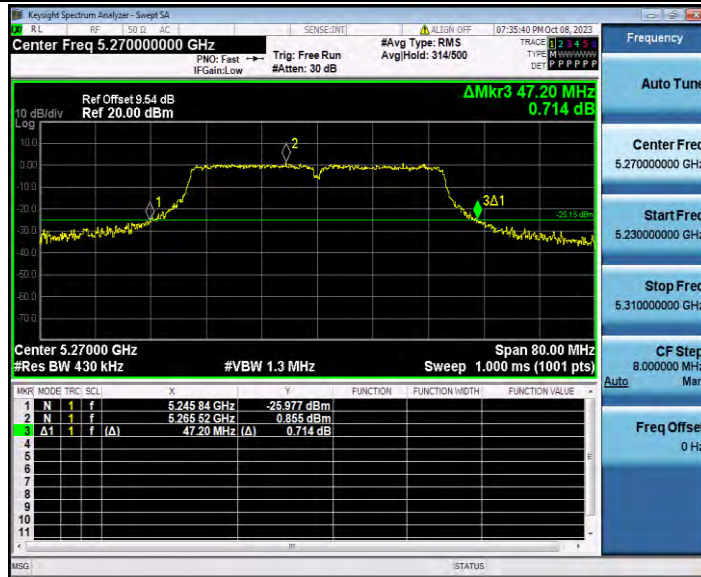
11N20SISO_Ant1_5260



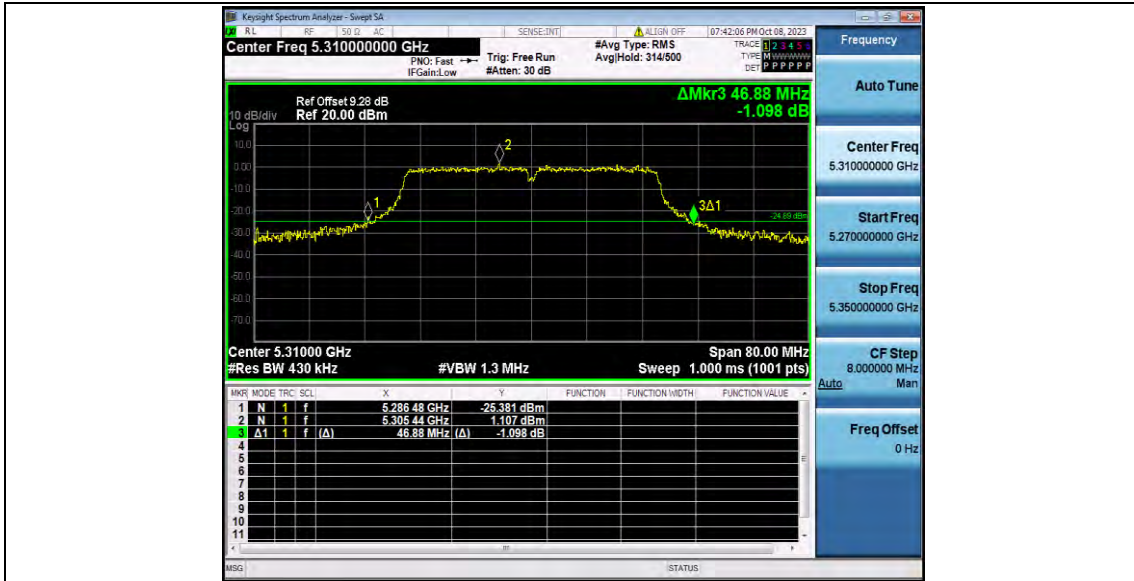
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



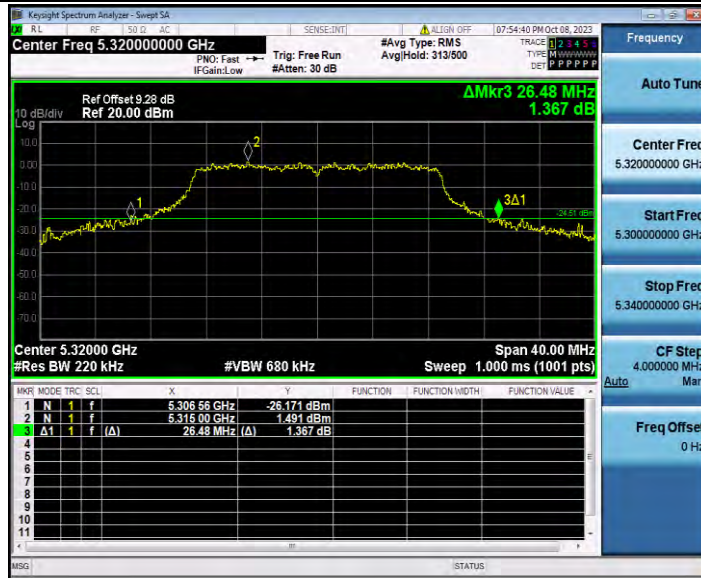
11N40SISO_Ant1_5310



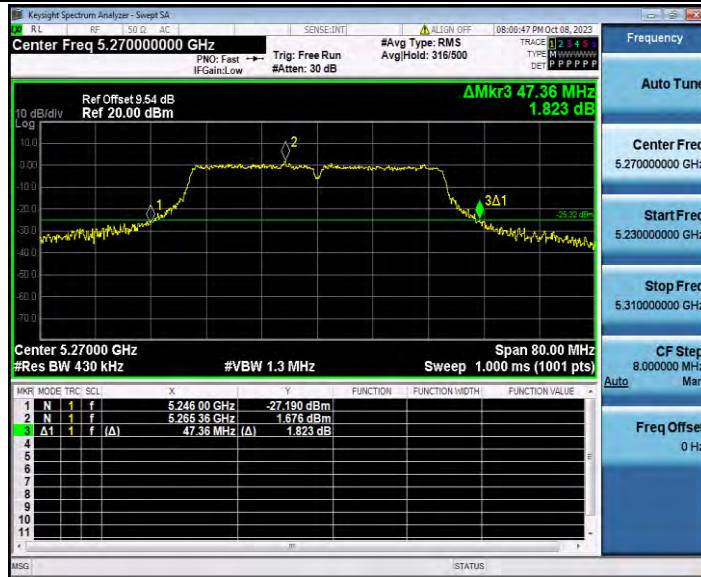
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



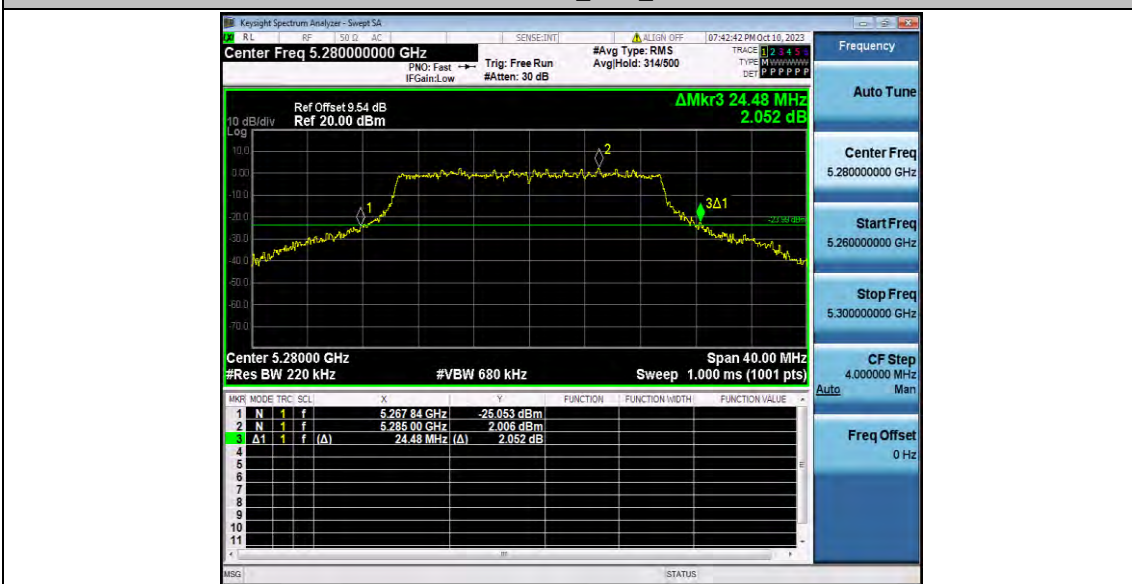
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



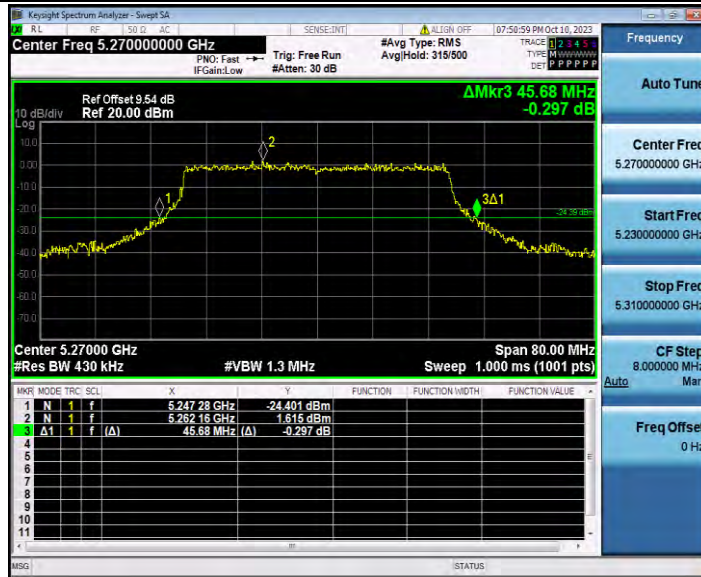
11AX20SISO_Ant1_5260



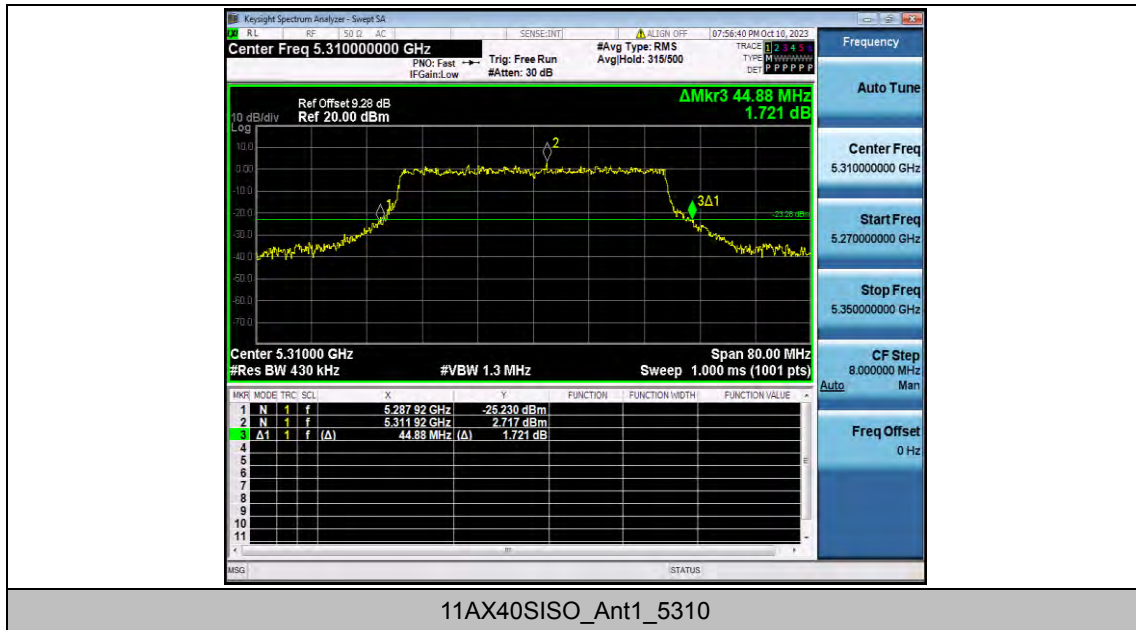
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310

Appendix E.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.190	5251.435	5268.625	---	---
		5280	17.226	5271.417	5288.643	---	---
		5320	17.244	5311.458	5328.702	---	---
11N20SISO	Ant1	5260	19.076	5250.395	5269.471	---	---
		5280	19.240	5270.234	5289.474	---	---
		5320	19.244	5310.333	5329.577	---	---
11N40SISO	Ant1	5270	37.701	5251.070	5288.771	---	---
		5310	37.691	5291.149	5328.840	---	---
11AC20SISO	Ant1	5260	18.028	5251.001	5269.029	---	---
		5280	18.076	5271.014	5289.090	---	---
		5320	19.303	5310.268	5329.571	---	---
11AC40SISO	Ant1	5270	37.648	5251.064	5288.712	---	---
		5310	37.732	5291.182	5328.914	---	---
11AX20SISO	Ant1	5260	19.626	5250.224	5269.850	---	---
		5280	19.682	5270.225	5289.907	---	---
		5320	19.630	5310.270	5329.900	---	---
11AX40SISO	Ant1	5270	38.437	5250.667	5289.104	---	---
		5310	38.486	5290.738	5329.224	---	---

Test Graphs



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



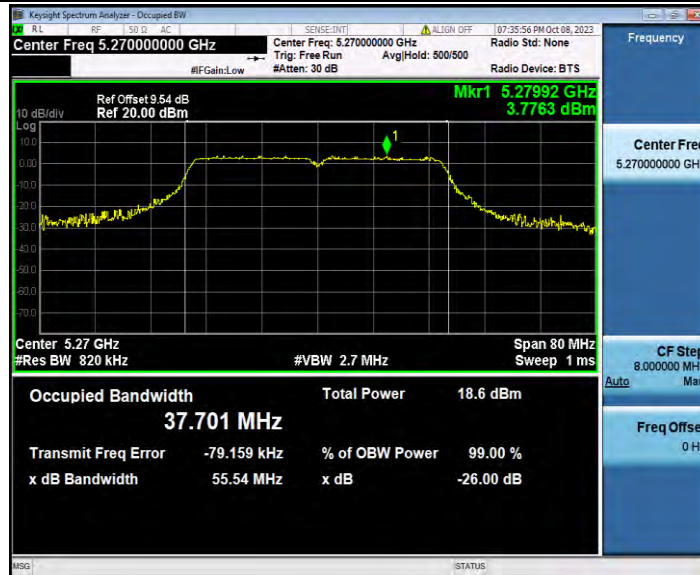
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



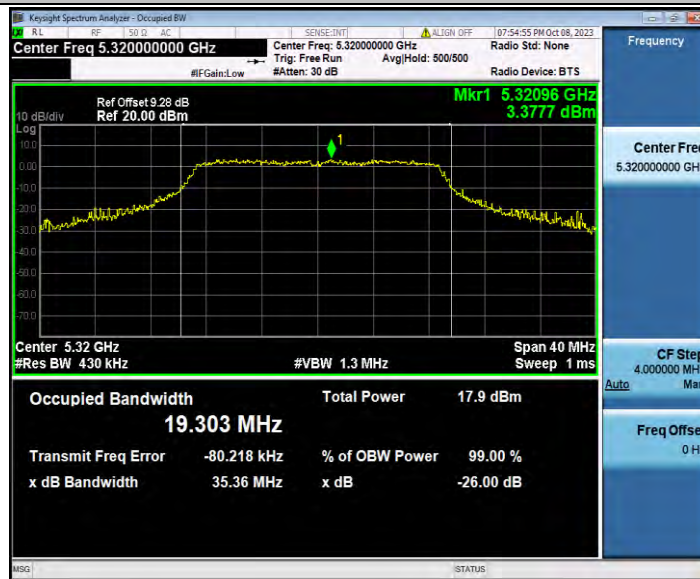
11N40SISO_Ant1_5310



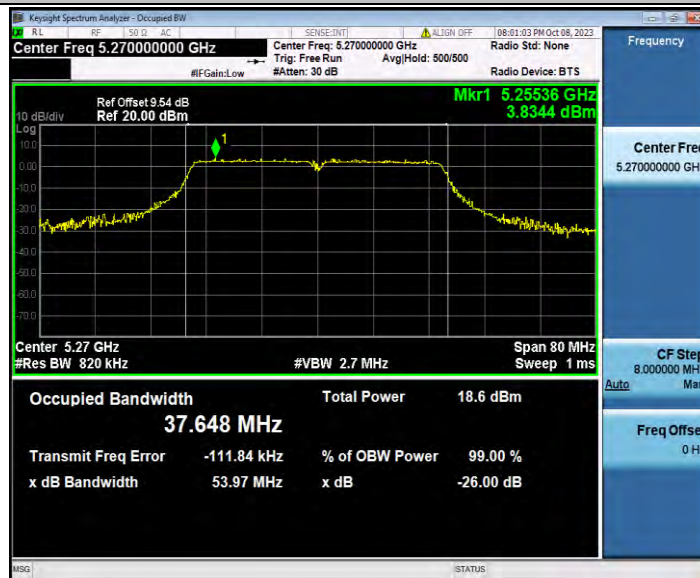
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



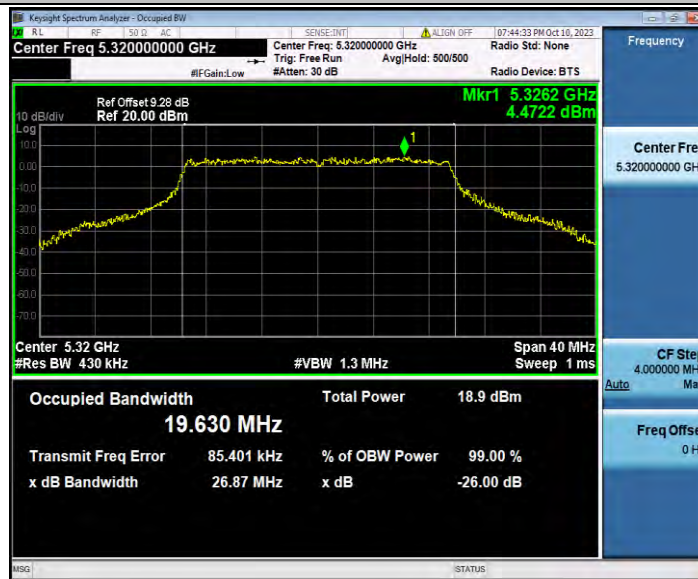
11AC40SISO_Ant1_5310



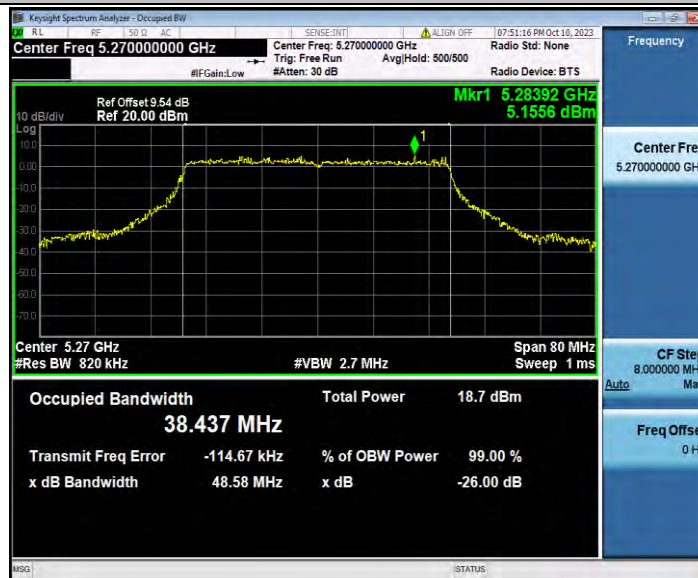
11AX20SISO_Ant1_5260



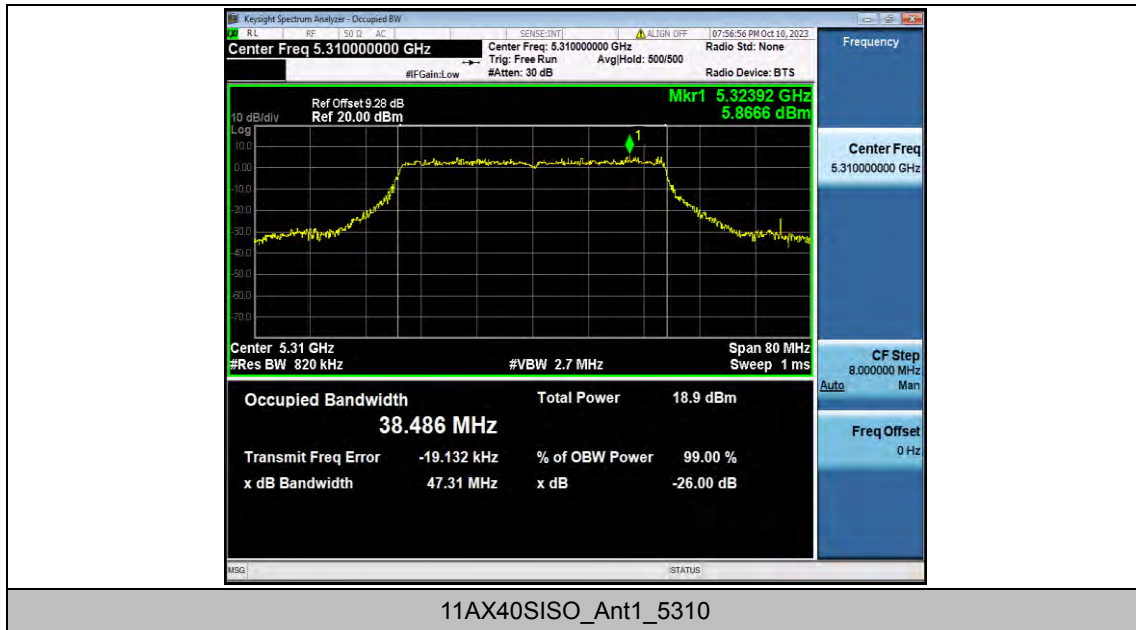
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270

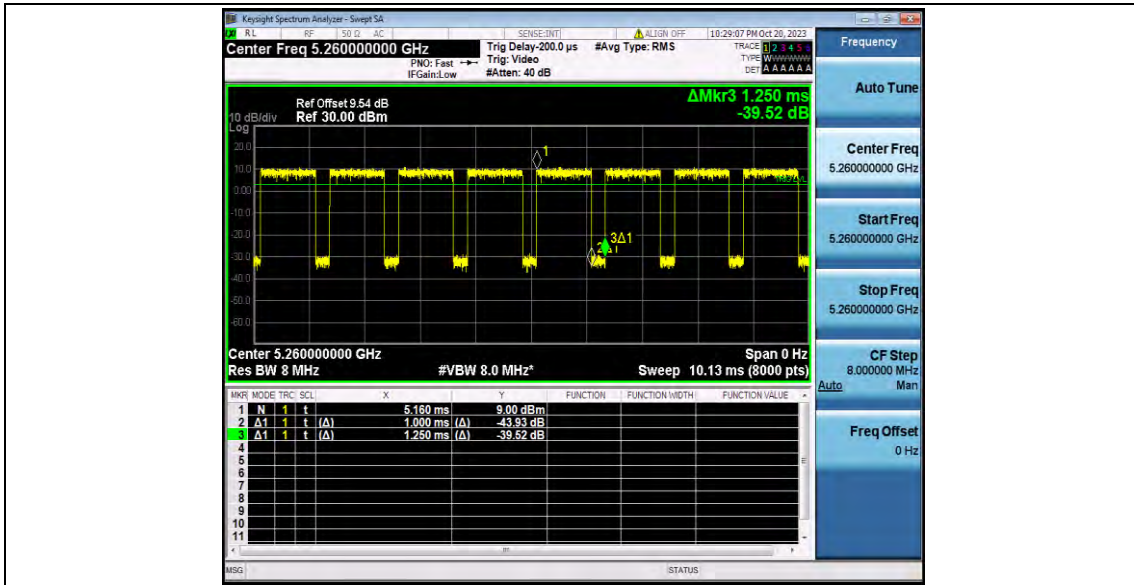


Appendix E.3: Duty Cycle

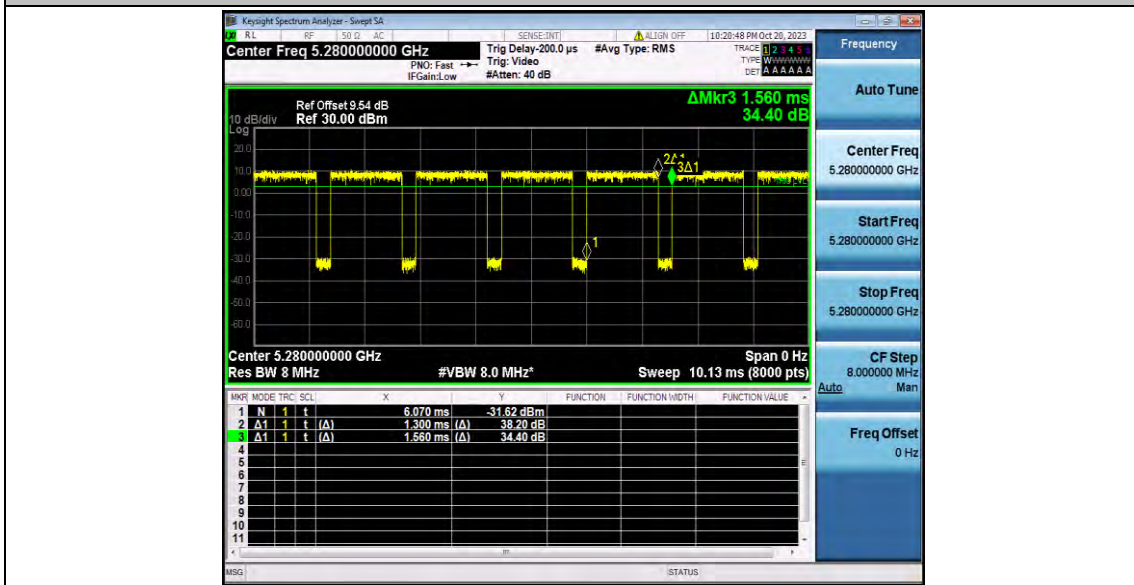
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.00	1.25	80.00
		5280	1.30	1.56	83.33
		5320	1.30	1.56	83.33
11N20SISO	Ant1	5260	1.28	1.31	97.71
		5280	1.27	1.31	96.95
		5320	1.27	1.31	96.95
11N40SISO	Ant1	5270	0.64	0.67	95.52
		5310	0.63	0.68	92.65
11AC20SISO	Ant1	5260	0.99	1.25	79.20
		5280	0.99	1.25	79.20
		5320	1.28	1.31	97.71
11AC40SISO	Ant1	5270	0.64	0.67	95.52
		5310	0.64	0.69	92.75
11AX20SISO	Ant1	5260	0.99	1.04	95.19
		5280	0.99	1.02	97.06
		5320	0.99	1.02	97.06
11AX40SISO	Ant1	5270	0.51	0.56	91.07
		5310	0.52	0.57	91.23

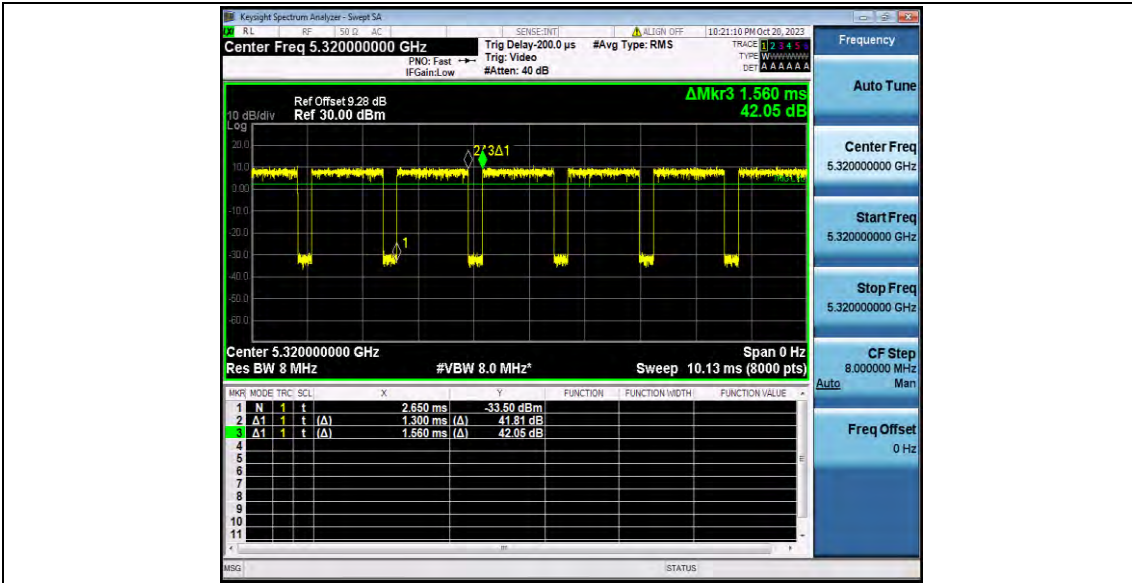
Test Graphs



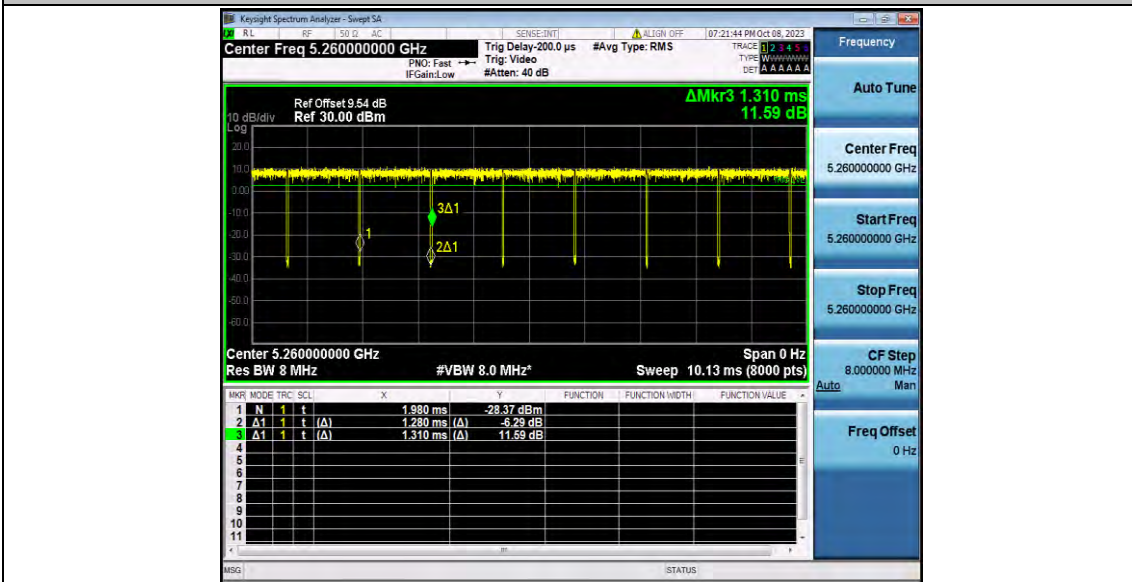
11A_Ant1_5260



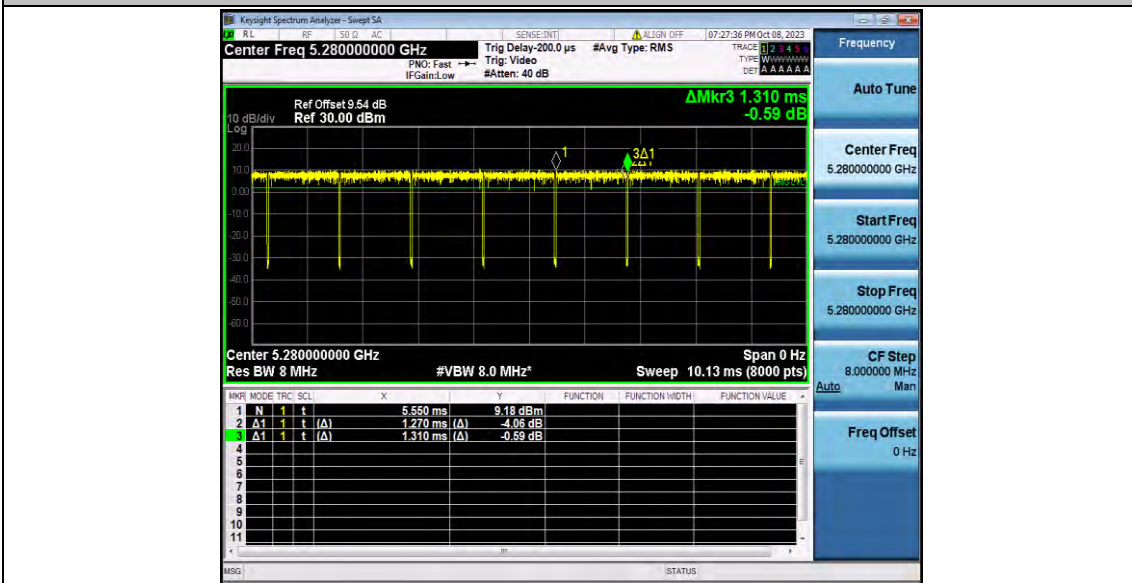
11A_Ant1_5280



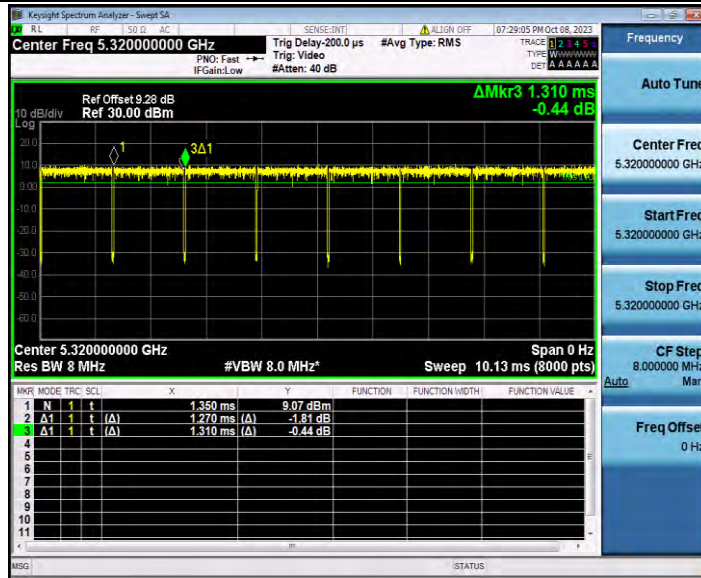
11A_Ant1_5320



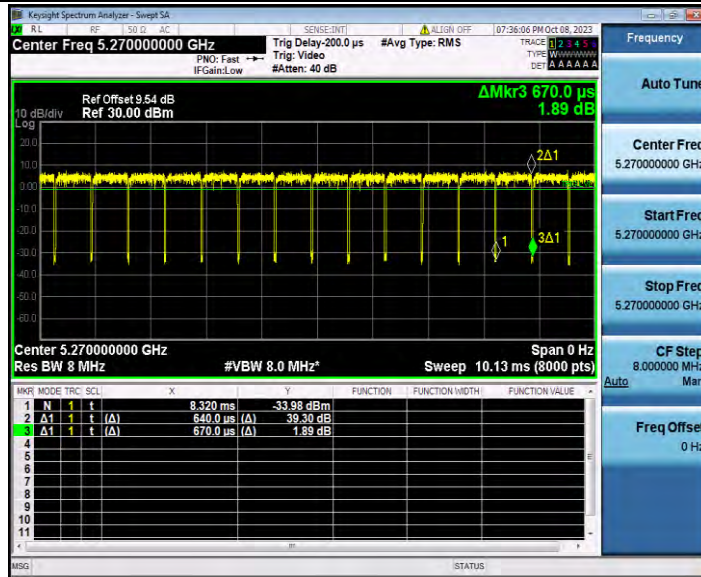
11N20SISO_Ant1_5260



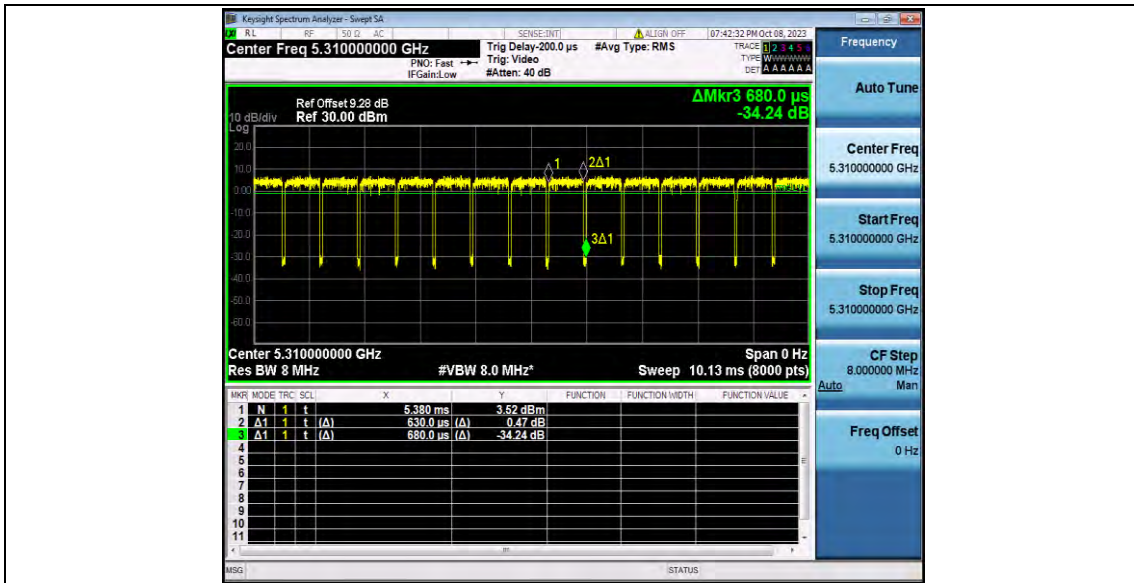
11N20SISO_Ant1_5280



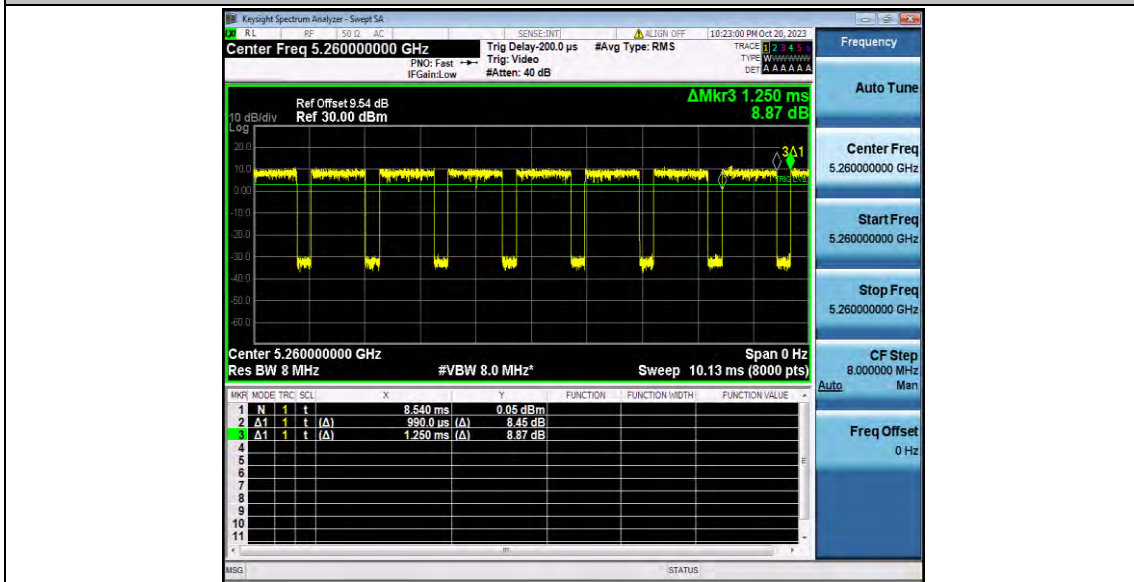
11N20SISO_Ant1_5320



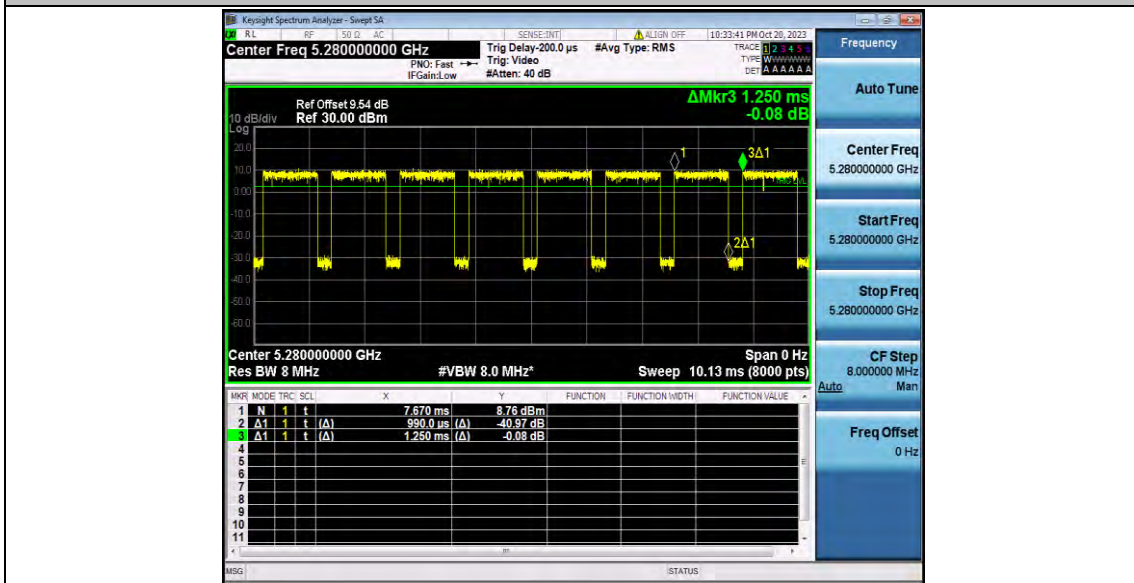
11N40SISO_Ant1_5270



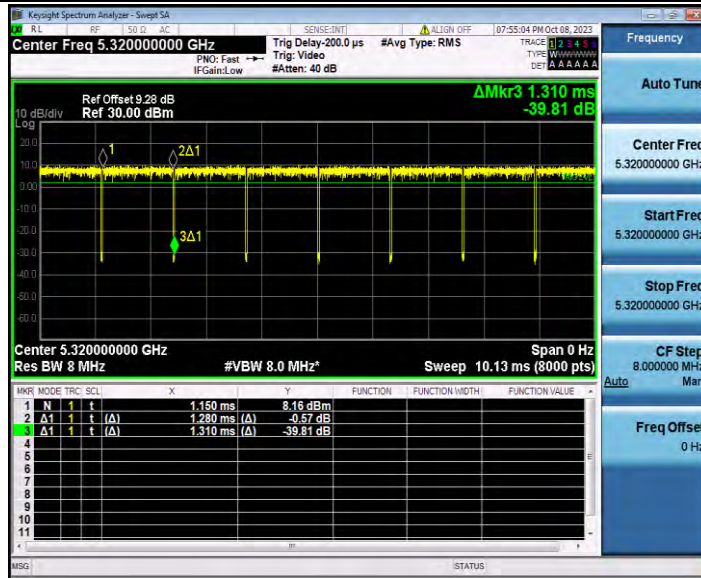
11N40SISO_Ant1_5310



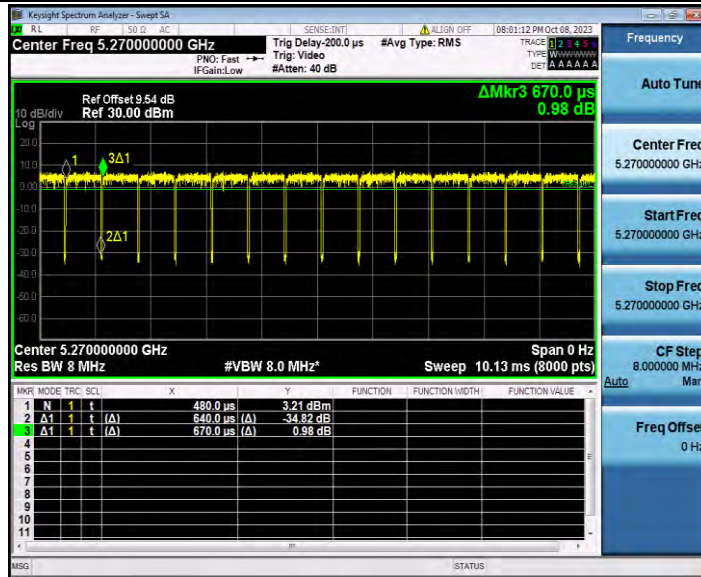
11AC20SISO_Ant1_5260



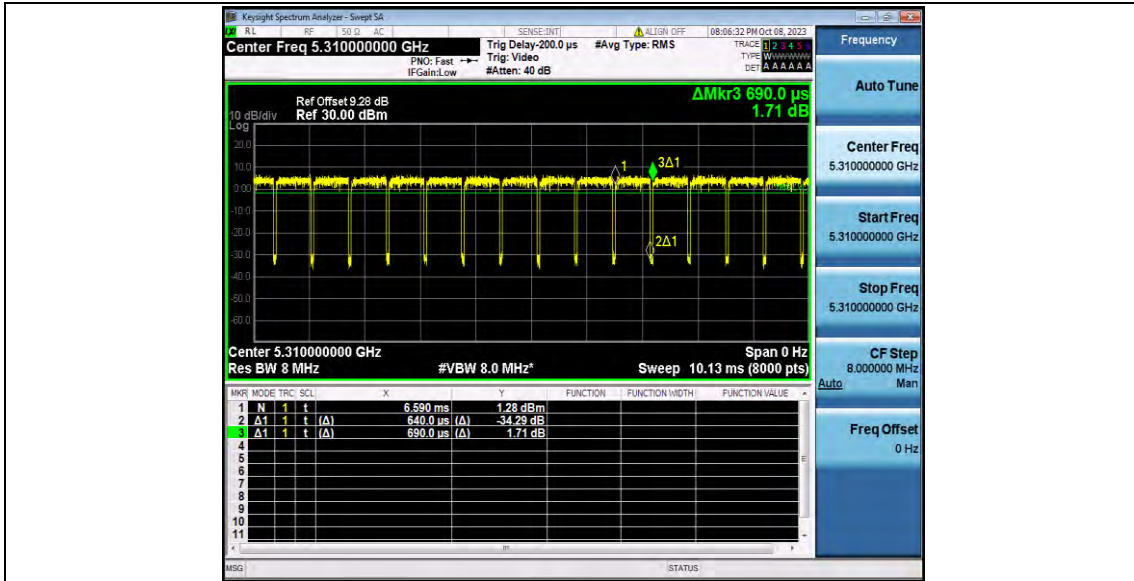
11AC20SISO_Ant1_5280



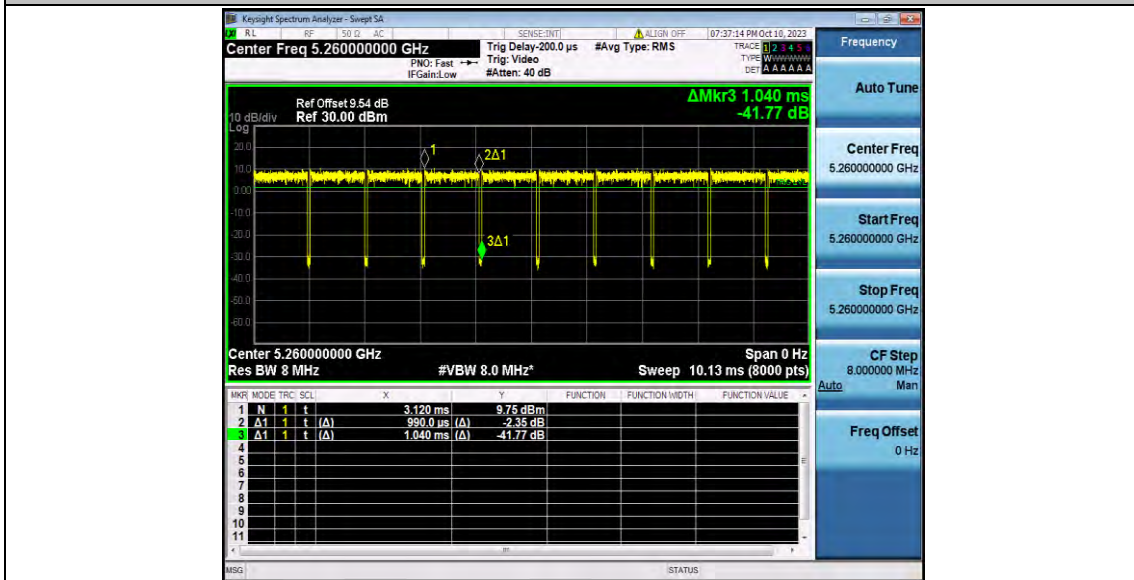
11AC20SISO_Ant1_5320



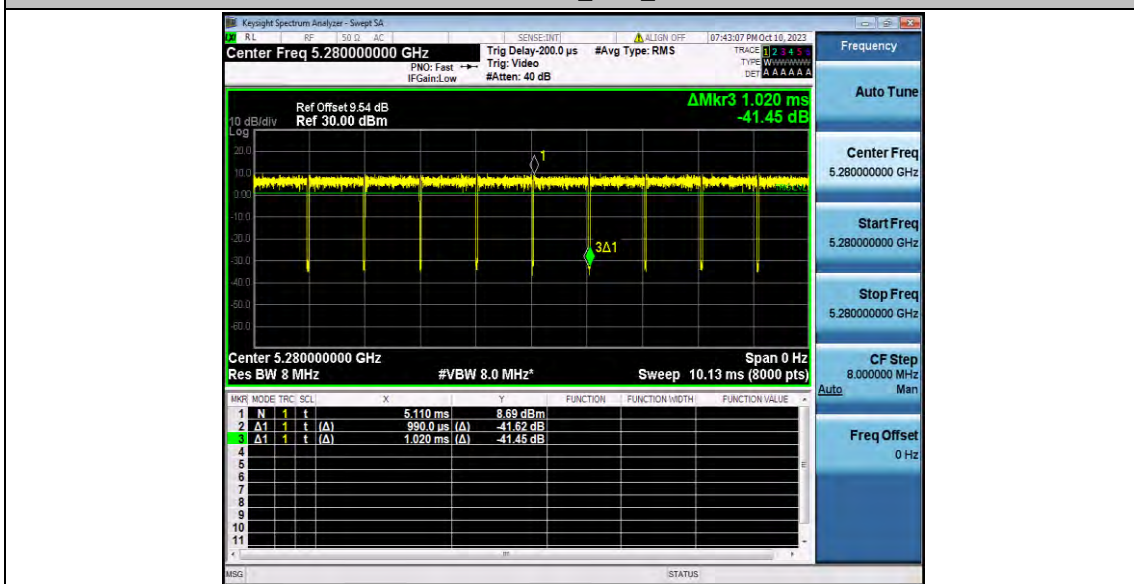
11AC40SISO_Ant1_5270



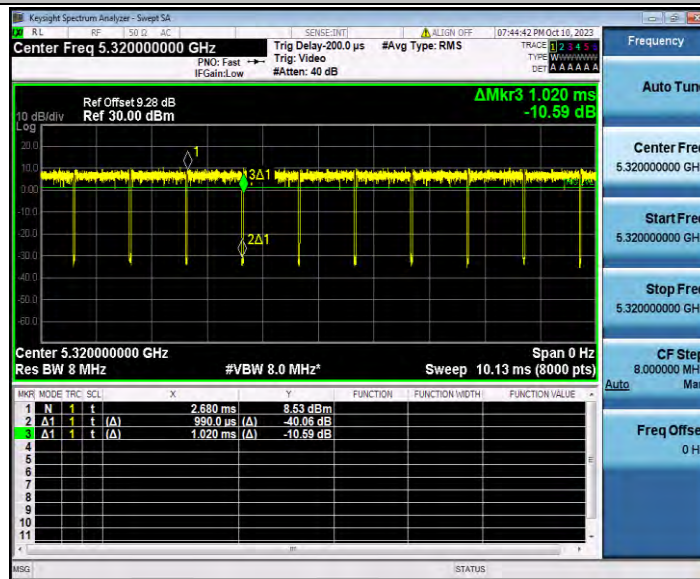
11AC40SISO_Ant1_5310



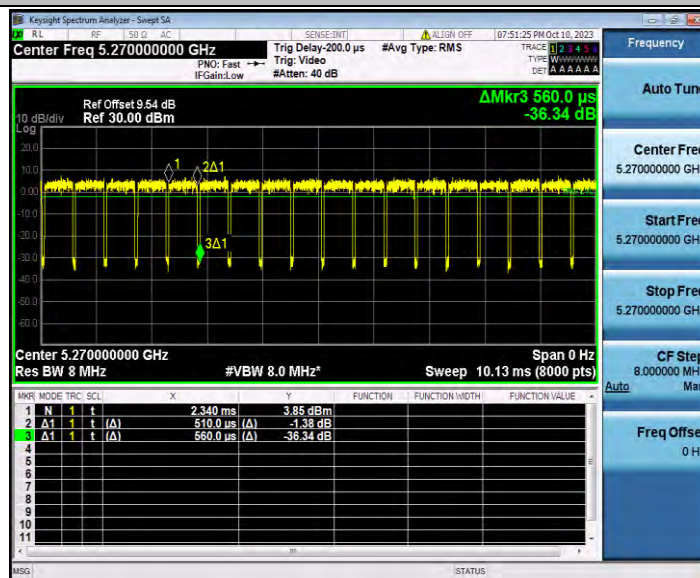
11AX20SISO_Ant1_5260



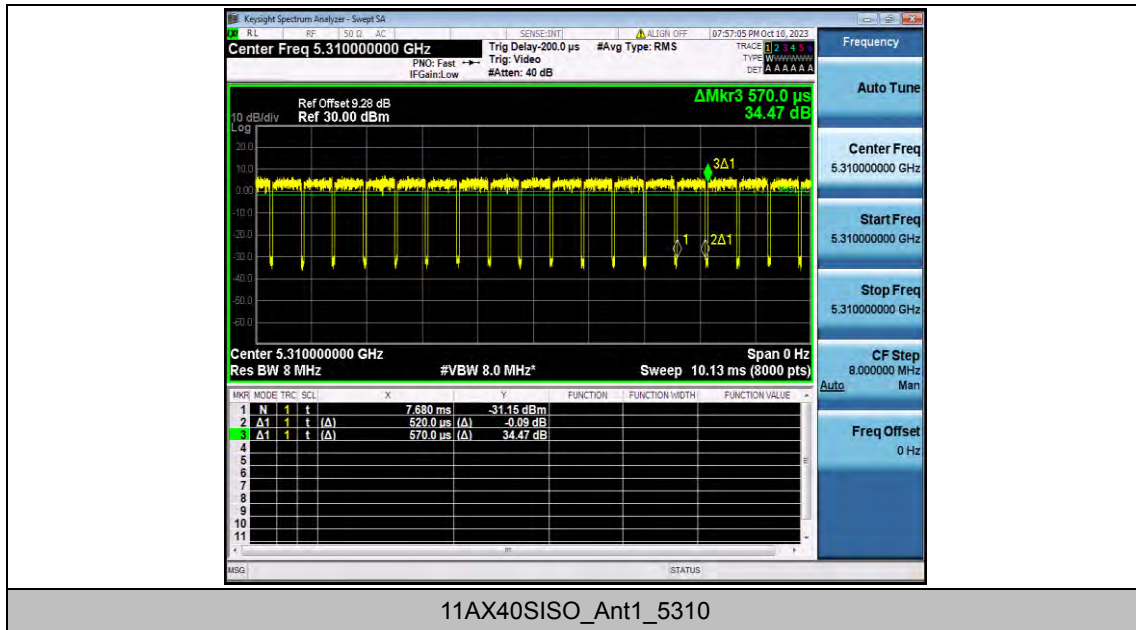
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	9.69	80.00	0.97	10.66	≤23.98	PASS
		5280	9.79	83.33	0.79	10.58	≤23.98	PASS
		5320	9.9	83.33	0.79	10.69	≤23.98	PASS
11N20SISO	Ant1	5260	11.79	97.71	0.10	11.89	≤23.98	PASS
		5280	11.23	96.95	0.13	11.36	≤23.98	PASS
		5320	10.82	96.95	0.13	10.95	≤23.98	PASS
11N40SISO	Ant1	5270	10.95	95.52	0.20	11.15	≤23.98	PASS
		5310	10.57	92.65	0.33	10.90	≤23.98	PASS
11AC20SISO	Ant1	5260	11.13	79.20	1.01	12.14	≤23.98	PASS
		5280	10.75	79.20	1.01	11.76	≤23.98	PASS
		5320	11.01	97.71	0.10	11.11	≤23.98	PASS
11AC40SISO	Ant1	5270	10.85	95.52	0.20	11.05	≤23.98	PASS
		5310	10.2	92.75	0.33	10.53	≤23.98	PASS
11AX20SISO	Ant1	5260	10.53	95.19	0.21	10.74	≤23.98	PASS
		5280	10.3	97.06	0.13	10.43	≤23.98	PASS
		5320	10.32	97.06	0.13	10.45	≤23.98	PASS
11AX40SISO	Ant1	5270	9.76	91.07	0.41	10.17	≤23.98	PASS
		5310	9.96	91.23	0.40	10.36	≤23.98	PASS

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

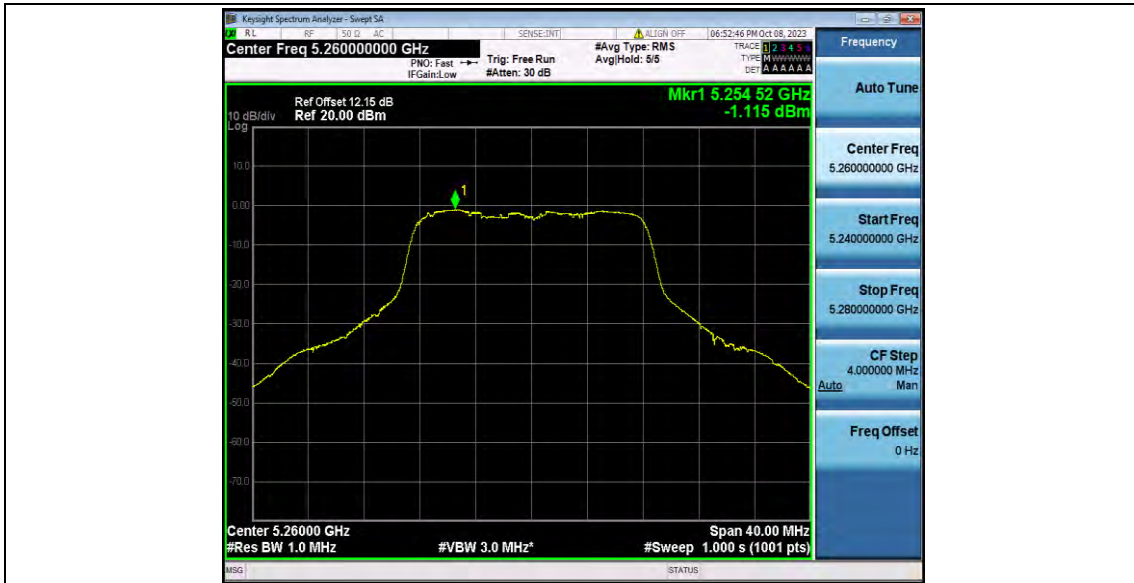
Appendix E.5: Maximum power spectral density

Test Result

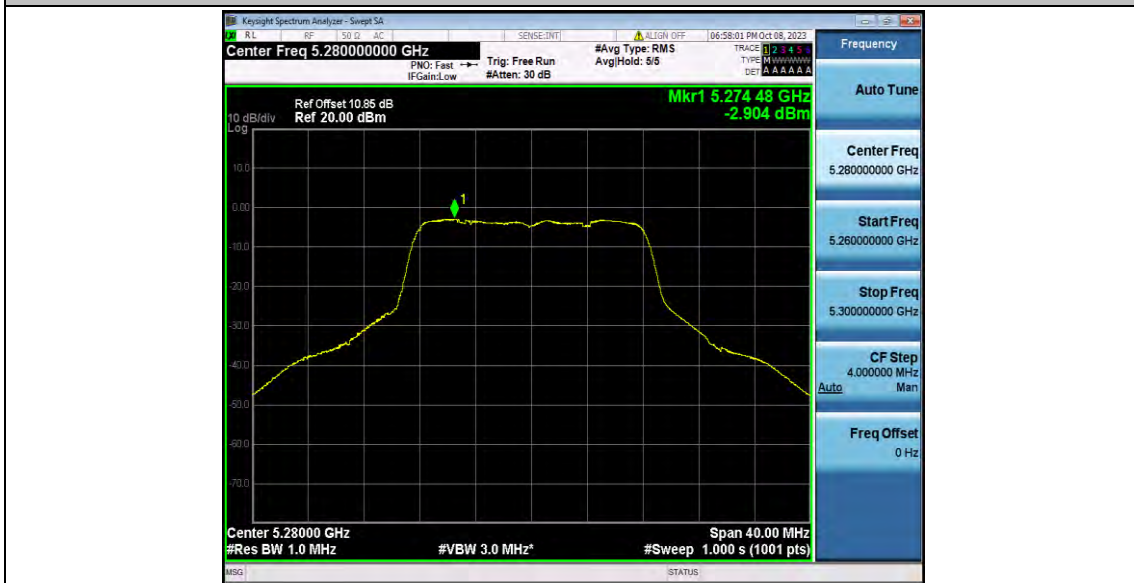
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	-1.12	≤11.00	PASS
		5280	-2.9	≤11.00	PASS
		5320	-3.49	≤11.00	PASS
11N20SISO	Ant1	5260	0.27	≤11.00	PASS
		5280	-0.18	≤11.00	PASS
		5320	-0.62	≤11.00	PASS
11N40SISO	Ant1	5270	-3.4	≤11.00	PASS
		5310	-3.8	≤11.00	PASS
11AC20SISO	Ant1	5260	0.73	≤11.00	PASS
		5280	0.49	≤11.00	PASS
		5320	-0.59	≤11.00	PASS
11AC40SISO	Ant1	5270	-3.46	≤11.00	PASS
		5310	-4.16	≤11.00	PASS
11AX20SISO	Ant1	5260	-1.09	≤11.00	PASS
		5280	-1.49	≤11.00	PASS
		5320	-1.32	≤11.00	PASS
11AX40SISO	Ant1	5270	-4.71	≤11.00	PASS
		5310	-4.5	≤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



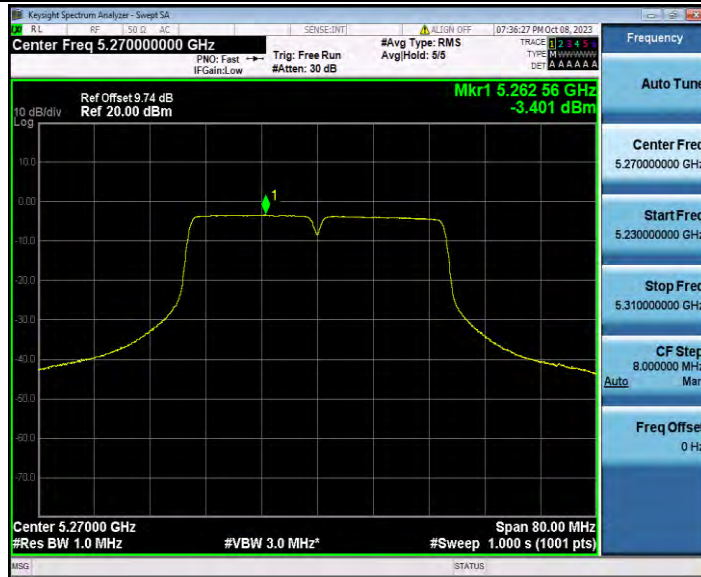
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



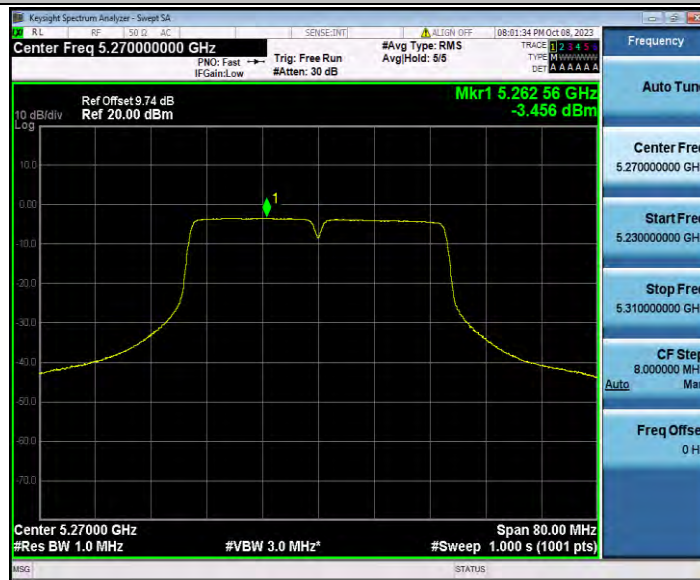
11A20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270

