

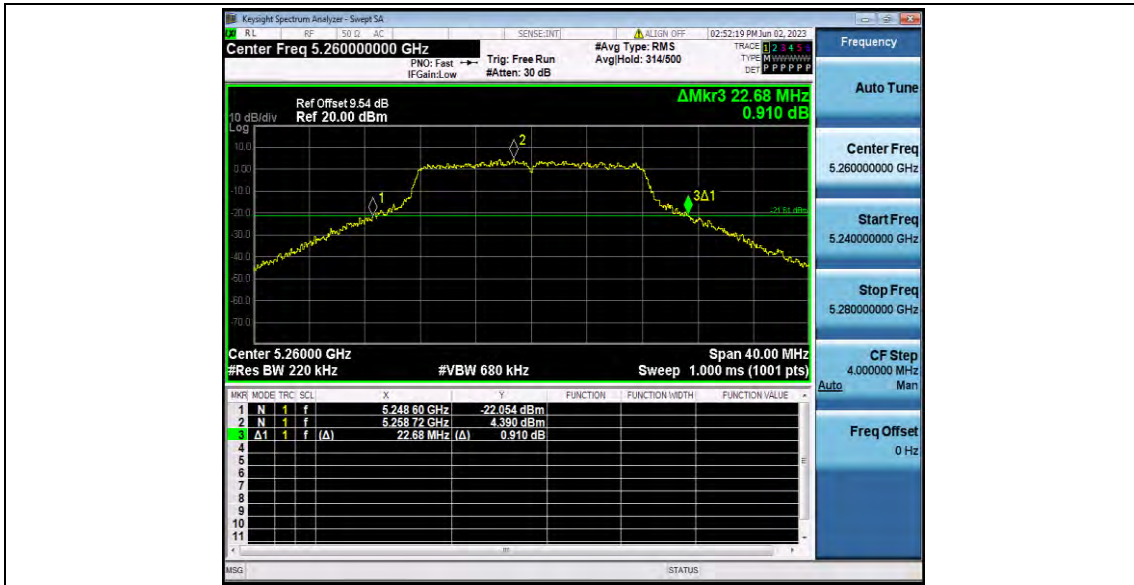
Case No. : <u>GTS20221215003-1-6</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.2</u> Test Engineer: <u>Jenny zeng</u>

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	22.680	5248.600	5271.280	---	---
		5280	22.800	5268.720	5291.520	---	---
		5320	22.360	5308.840	5331.200	---	---
11N20SISO	Ant1	5260	23.800	5248.040	5271.840	---	---
		5280	24.280	5267.640	5291.920	---	---
		5320	24.400	5307.840	5332.240	---	---
11N40SISO	Ant1	5270	41.360	5249.280	5290.640	---	---
		5310	41.680	5289.200	5330.880	---	---
11AC20SISO	Ant1	5260	24.200	5247.640	5271.840	---	---
		5280	24.680	5268.080	5292.760	---	---
		5320	24.520	5308.440	5332.960	---	---
11AC40SISO	Ant1	5270	41.440	5249.200	5290.640	---	---
		5310	41.600	5289.200	5330.800	---	---
11AC80SISO	Ant1	5290	94.080	5247.920	5342.000	---	---

Test Graphs



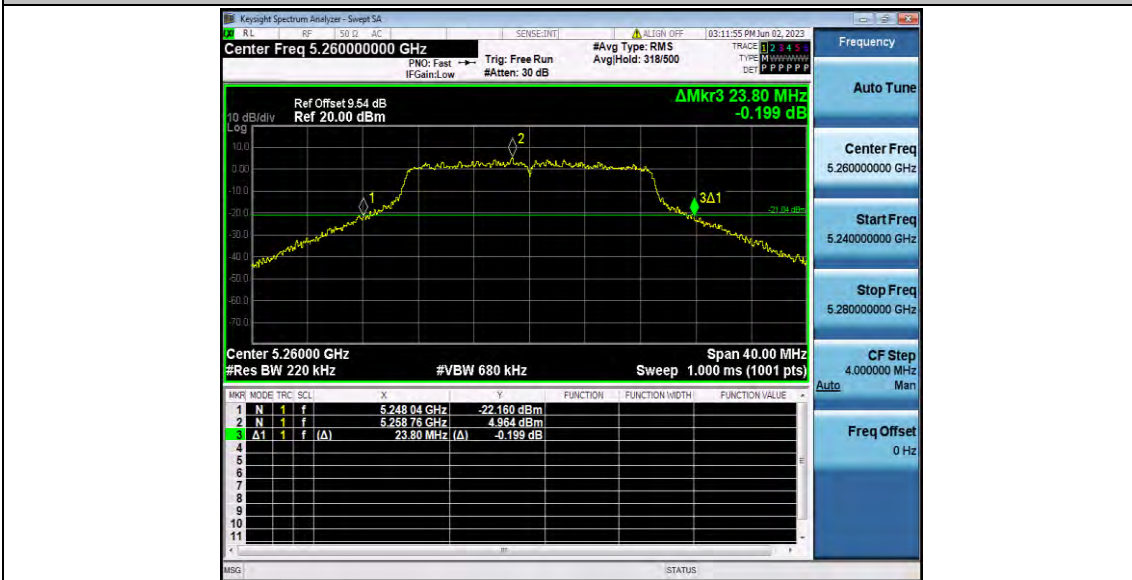
11A_Ant1_5260



11A_Ant1_5280



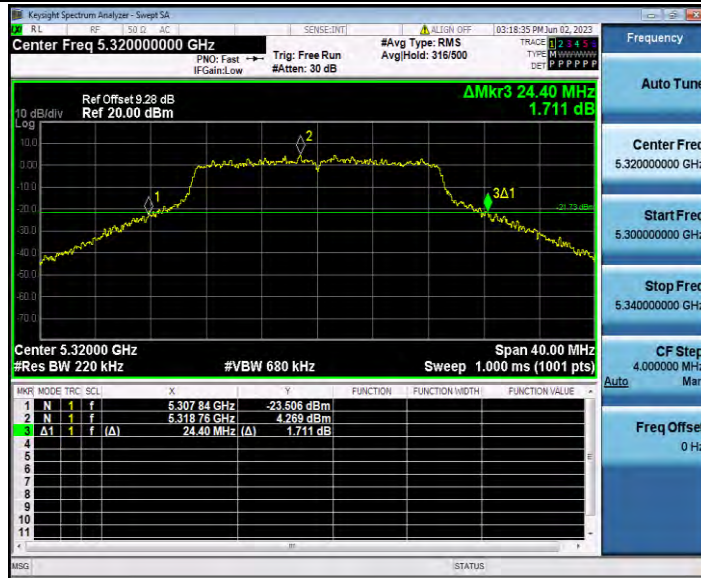
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



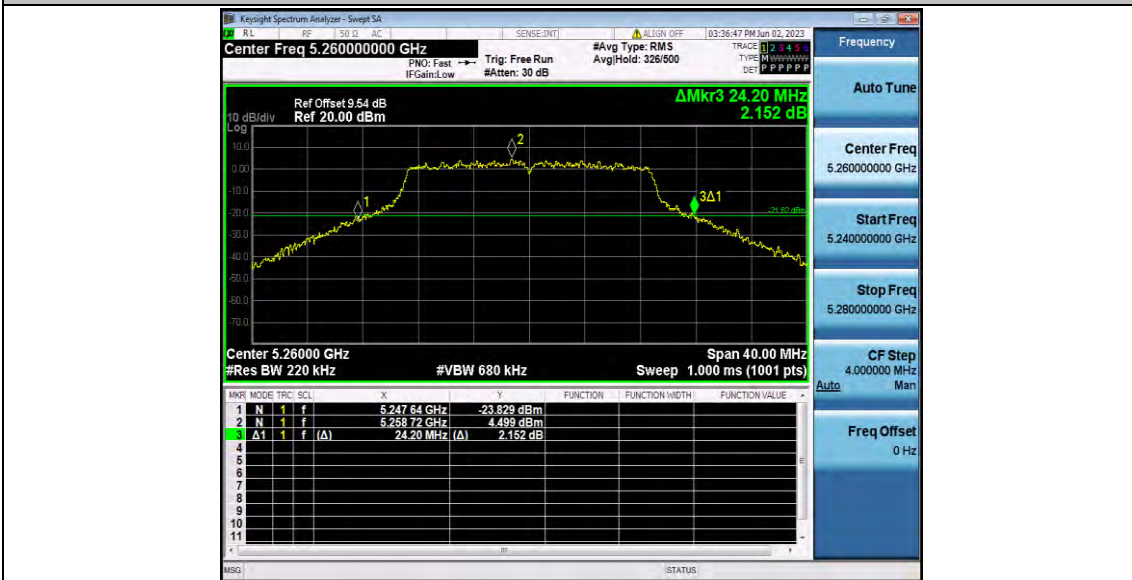
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



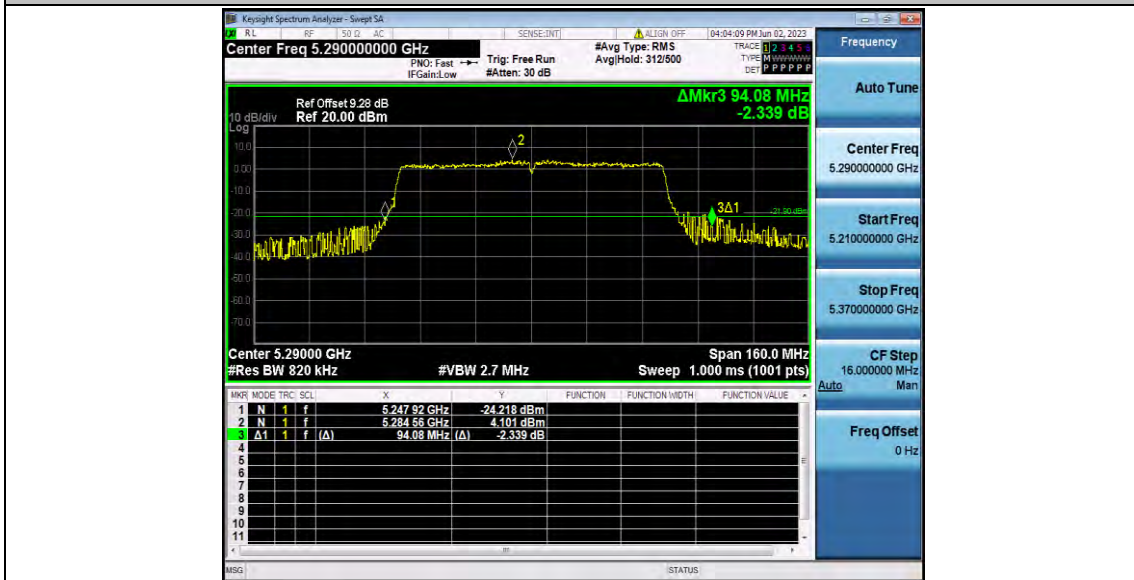
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290

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	17.022	5251.482	5268.504	---	---
		5280	17.107	5271.442	5288.549	---	---
		5320	17.136	5311.510	5328.646	---	---
11N20SISO	Ant1	5260	18.108	5250.939	5269.047	---	---
		5280	18.196	5270.904	5289.100	---	---
		5320	18.147	5310.977	5329.124	---	---
11N40SISO	Ant1	5270	36.446	5251.771	5288.217	---	---
		5310	36.437	5291.896	5328.333	---	---
11AC20SISO	Ant1	5260	18.156	5250.918	5269.074	---	---
		5280	18.184	5270.915	5289.099	---	---
		5320	18.183	5310.979	5329.162	---	---
11AC40SISO	Ant1	5270	36.506	5251.762	5288.268	---	---
		5310	36.461	5291.849	5328.310	---	---
11AC80SISO	Ant1	5290	76.339	5251.986	5328.325	---	---

Test Graphs



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



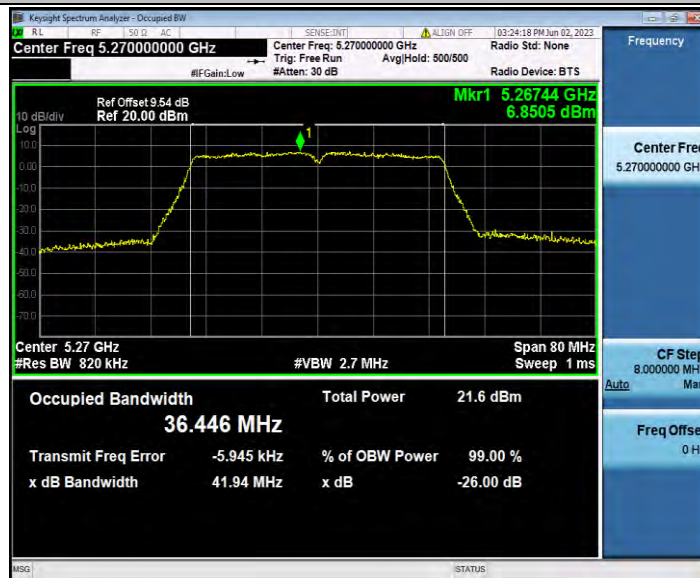
11N20SISO_Ant1_5260



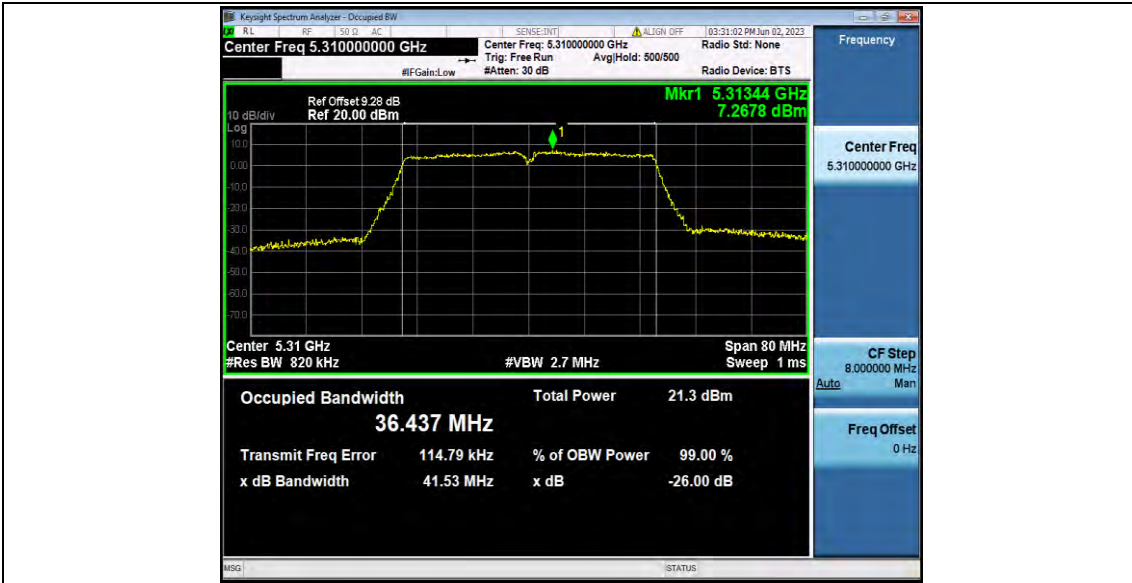
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



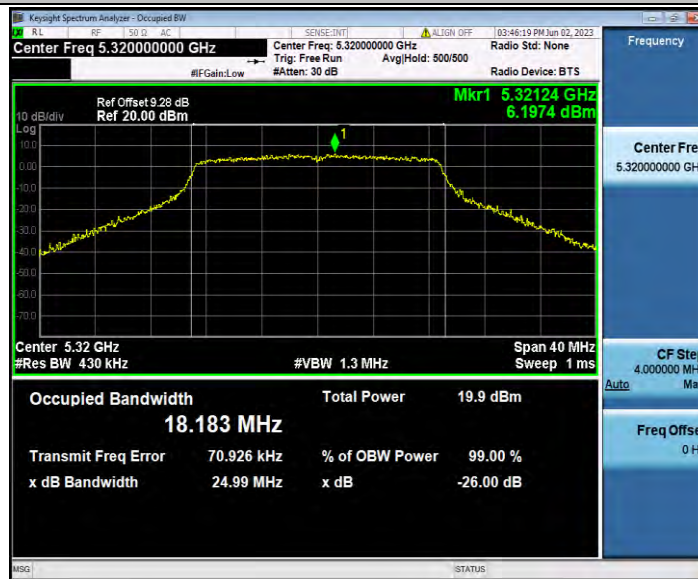
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



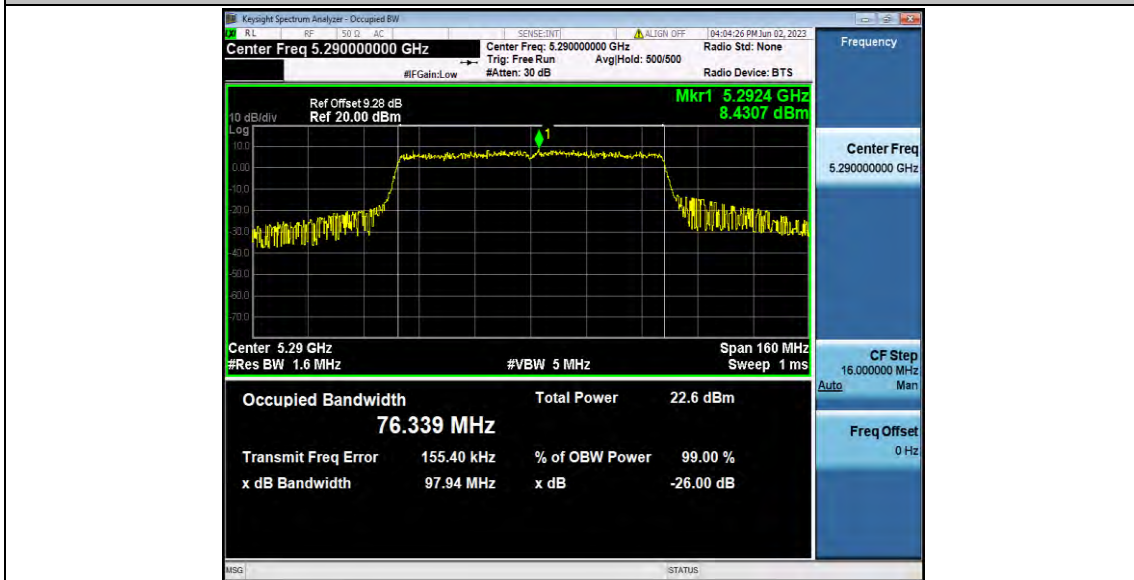
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



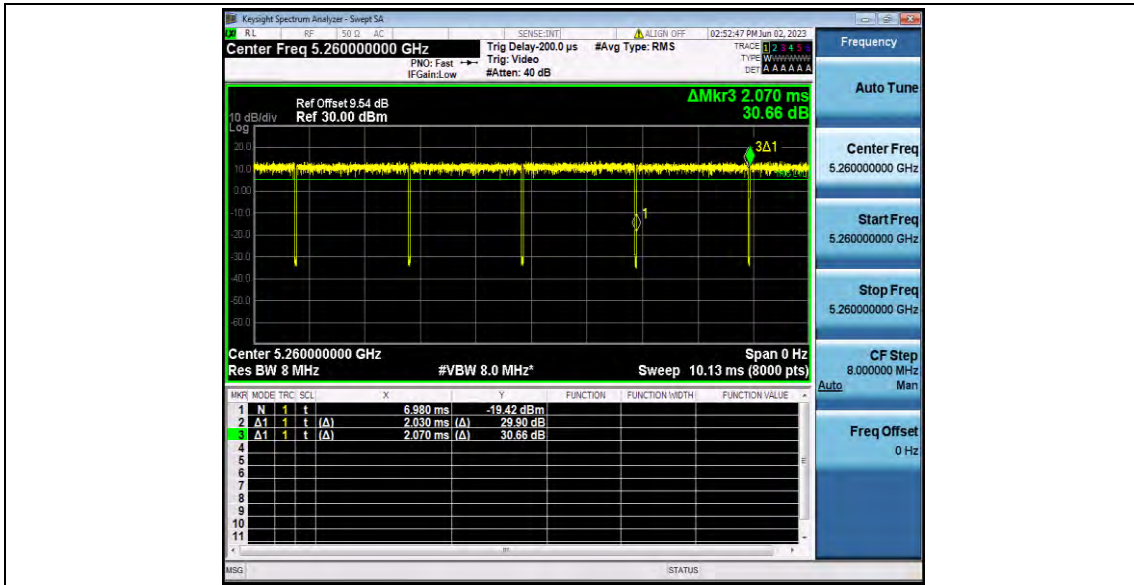
11AC80SISO_Ant1_5290

Appendix E.3: Duty Cycle

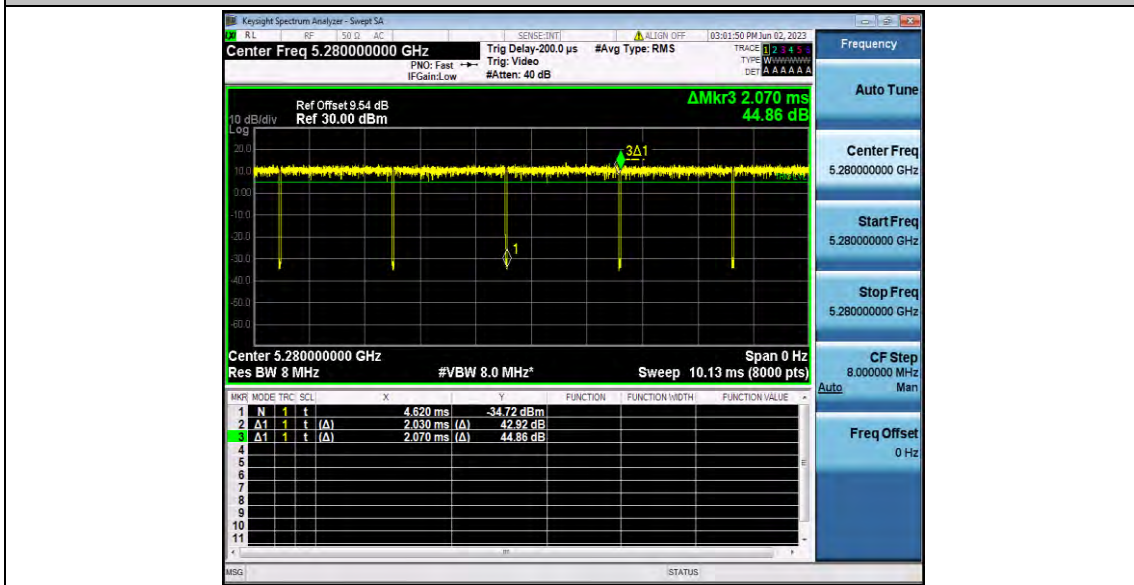
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	2.03	2.07	98.07
		5280	2.03	2.07	98.07
		5320	2.03	2.06	98.54
11N20SISO	Ant1	5260	1.89	1.92	98.44
		5280	1.89	1.92	98.44
		5320	1.89	1.93	97.93
11N40SISO	Ant1	5270	0.93	0.97	95.88
		5310	0.93	0.96	96.88
11AC20SISO	Ant1	5260	1.90	1.93	98.45
		5280	1.90	1.93	98.45
		5320	1.90	1.94	97.94
11AC40SISO	Ant1	5270	0.94	0.97	96.91
		5310	0.93	0.97	95.88
11AC80SISO	Ant1	5290	0.46	0.49	93.88

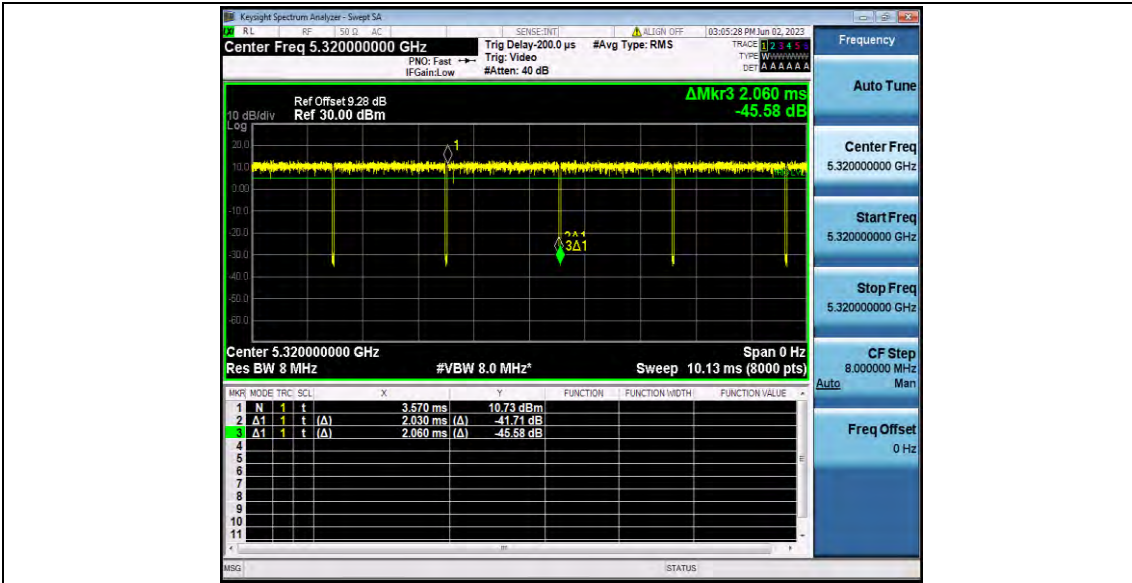
Test Graphs



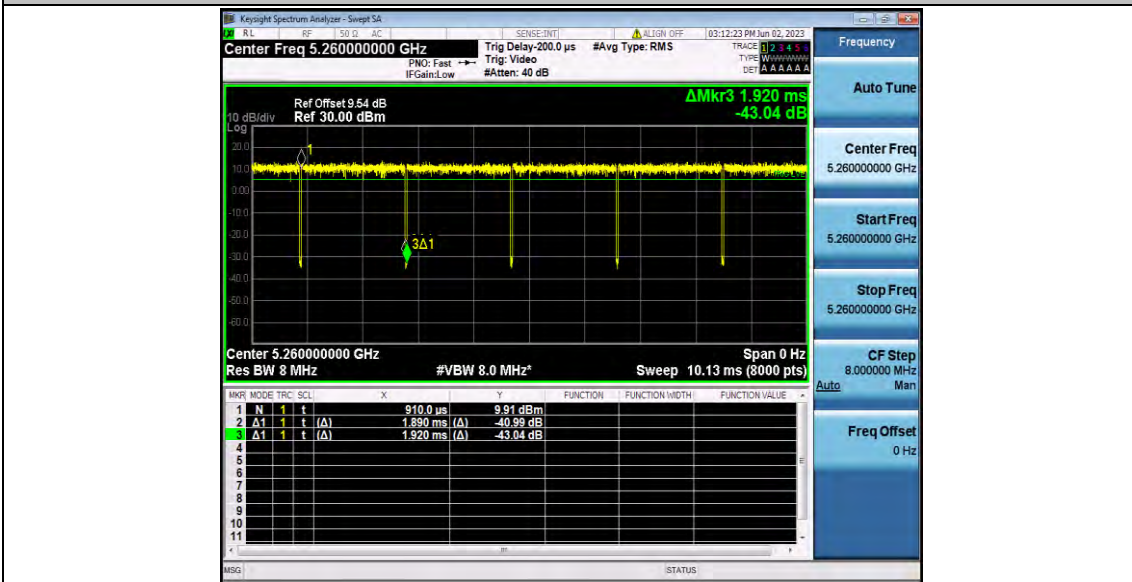
11A_Ant1_5260



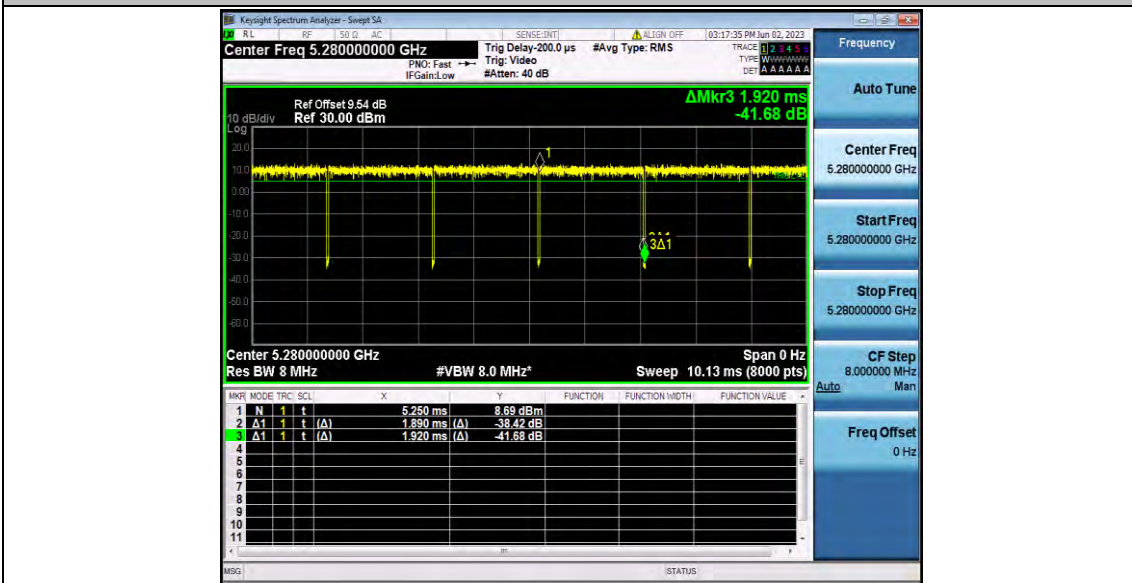
11A_Ant1_5280



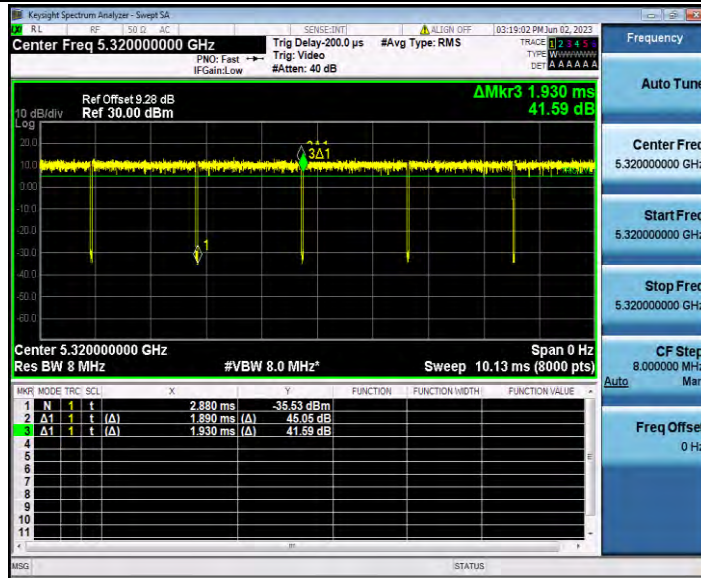
11A_Ant1_5320



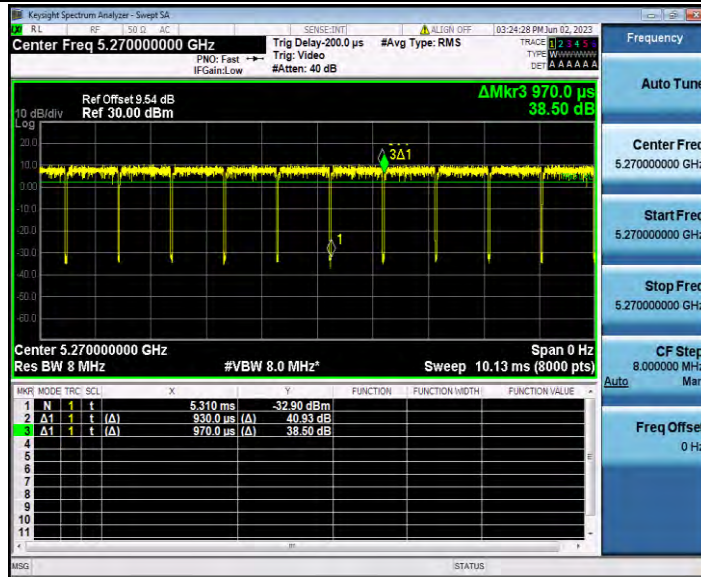
11N20SISO_Ant1_5260



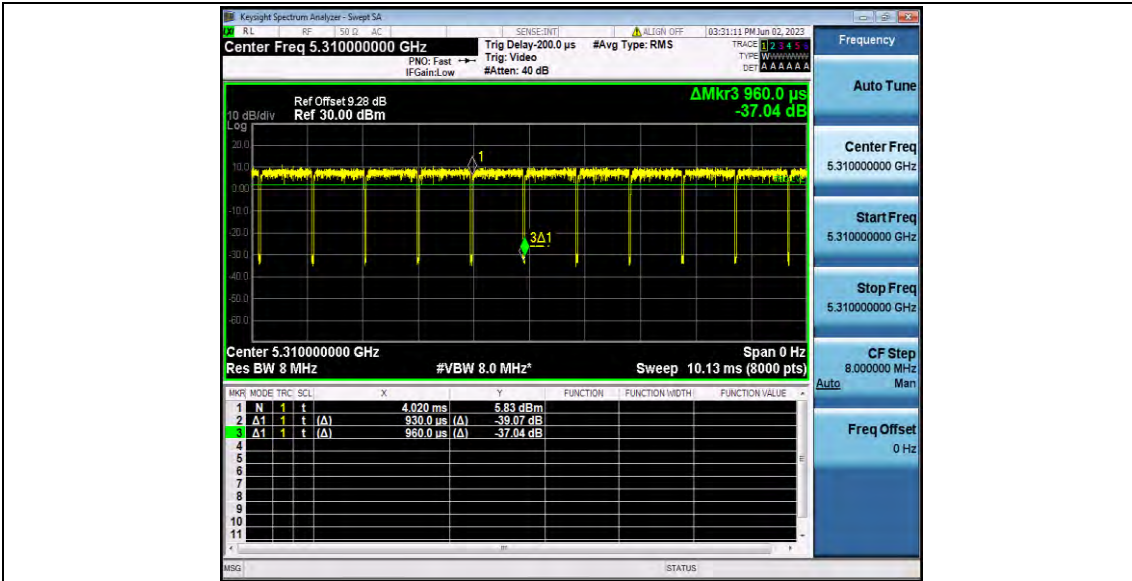
11N20SISO_Ant1_5280



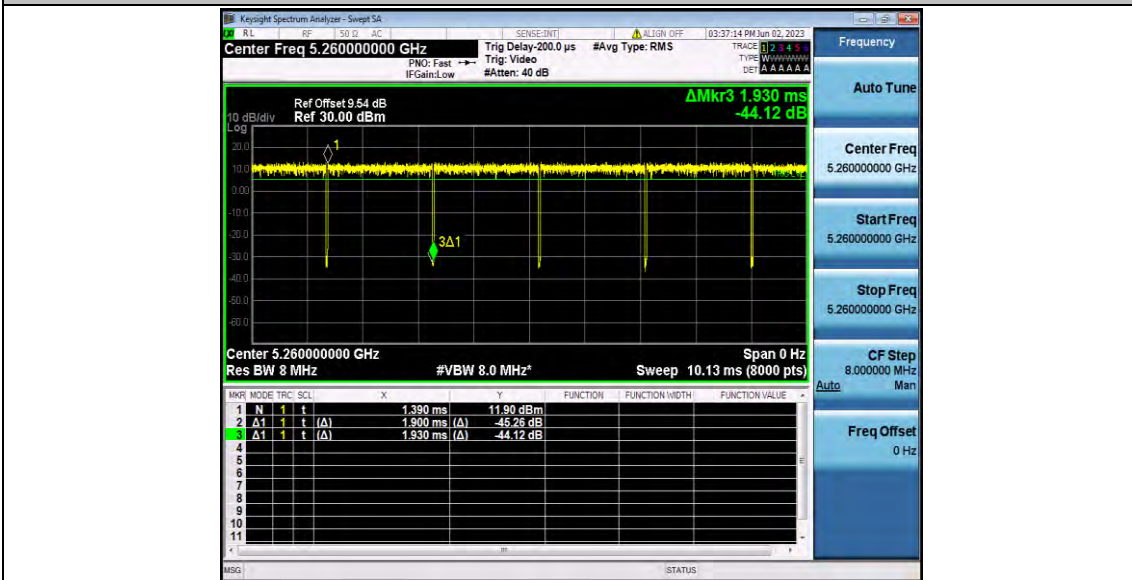
11N20SISO_Ant1_5320



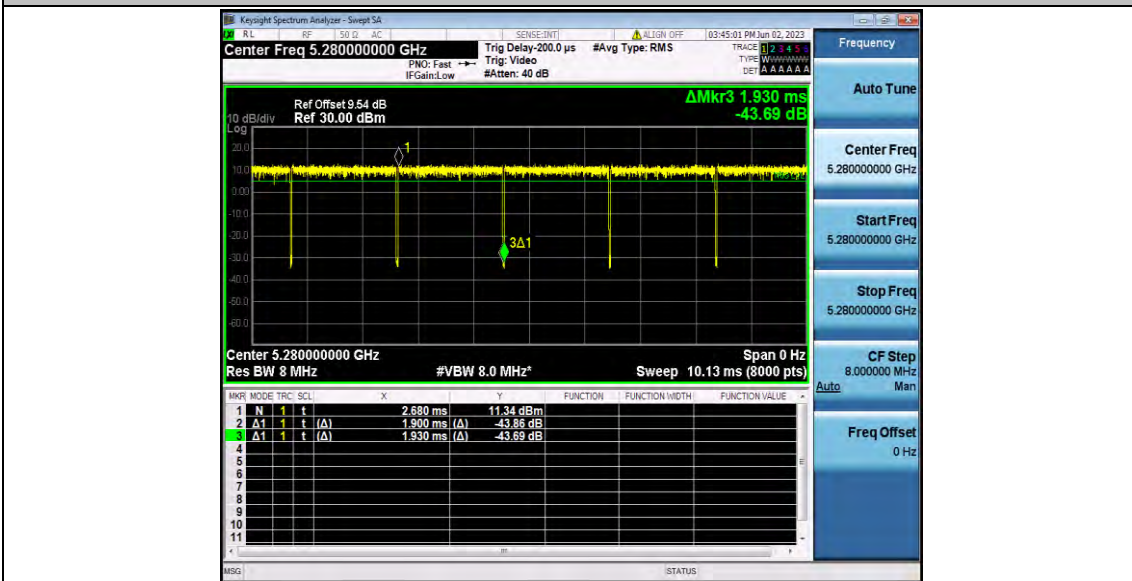
11N40SISO_Ant1_5270



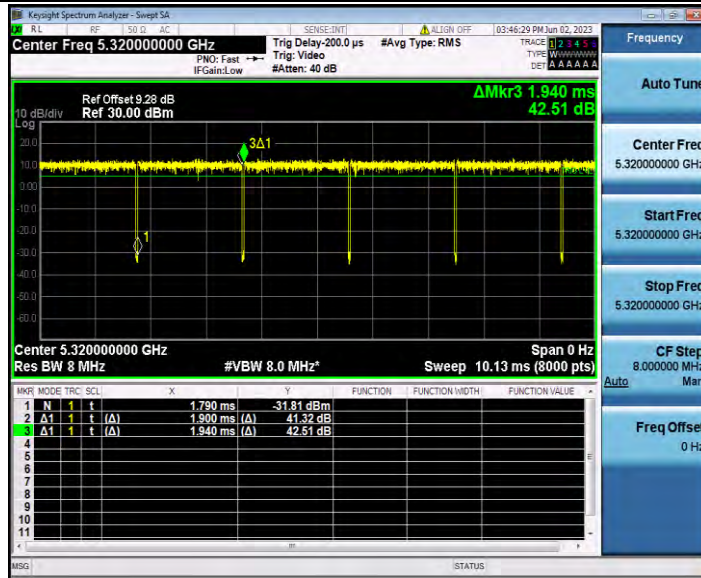
11N40SISO_Ant1_5310



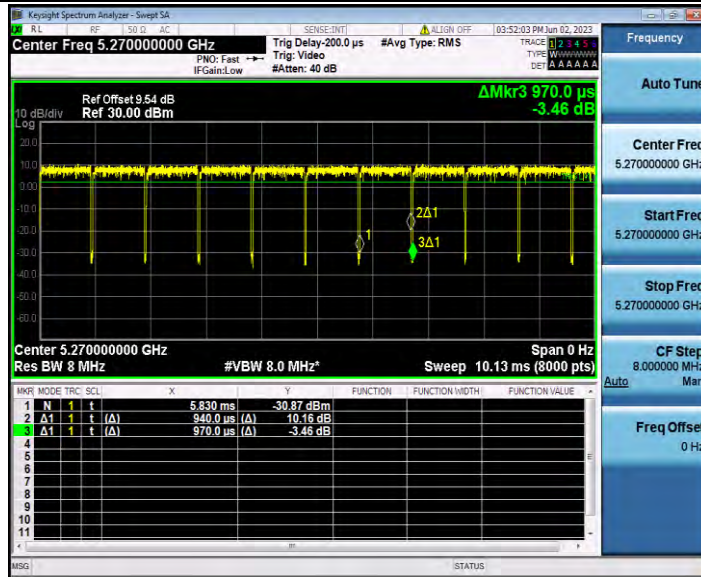
11AC20SISO_Ant1_5260



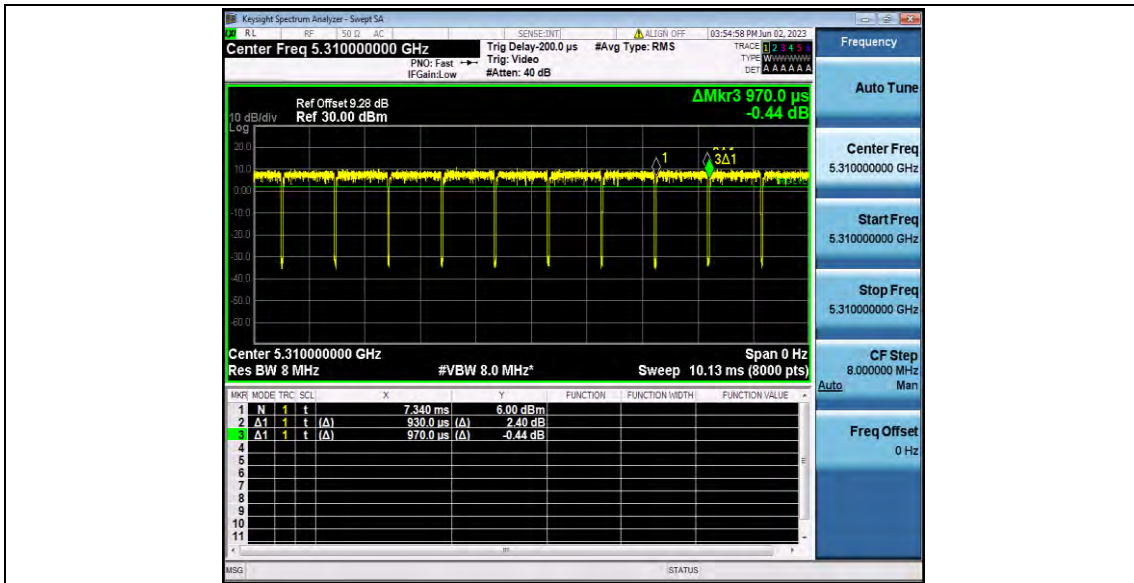
11AC20SISO_Ant1_5280



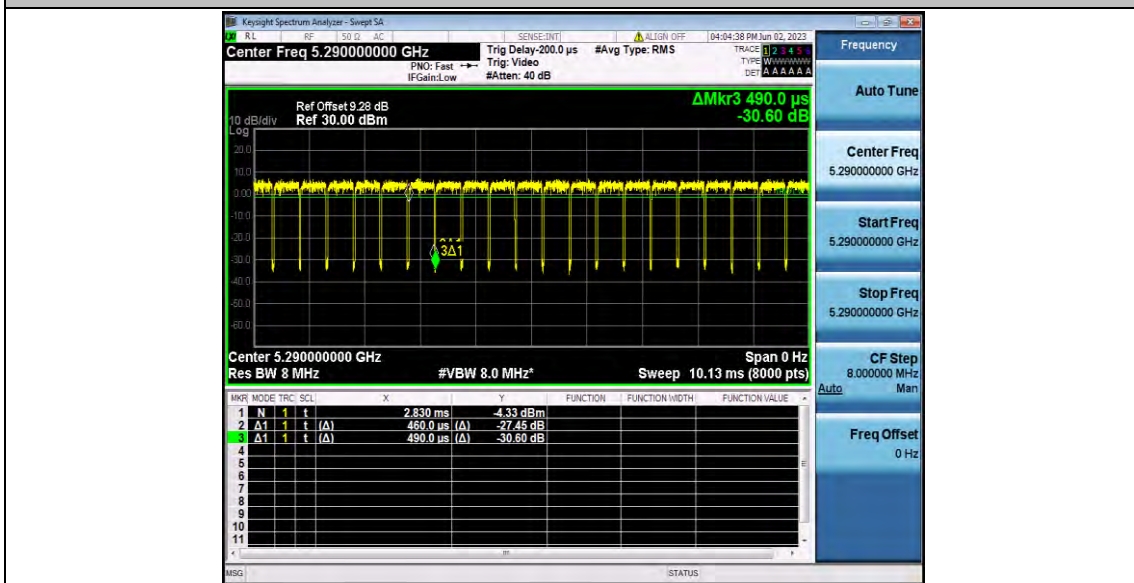
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290

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	13.61	98.07	0.08	13.69	≤23.98	PASS
		5280	13.18	98.07	0.08	13.26	≤23.98	PASS
		5320	13.04	98.54	0.06	13.10	≤23.98	PASS
11N20SISO	Ant1	5260	13.42	98.44	0.07	13.49	≤23.98	PASS
		5280	13.03	98.44	0.07	13.10	≤23.98	PASS
		5320	12.92	97.93	0.09	13.01	≤23.98	PASS
11N40SISO	Ant1	5270	13.71	95.88	0.18	13.89	≤23.98	PASS
		5310	13.46	96.88	0.14	13.60	≤23.98	PASS
11AC20SISO	Ant1	5260	13.43	98.45	0.07	13.50	≤23.98	PASS
		5280	13.00	98.45	0.07	13.07	≤23.98	PASS
		5320	12.93	97.94	0.09	13.02	≤23.98	PASS
11AC40SISO	Ant1	5270	13.74	96.91	0.14	13.88	≤23.98	PASS
		5310	13.42	95.88	0.18	13.60	≤23.98	PASS
11AC80SISO	Ant1	5290	13.47	93.88	0.27	13.74	≤23.98	PASS

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

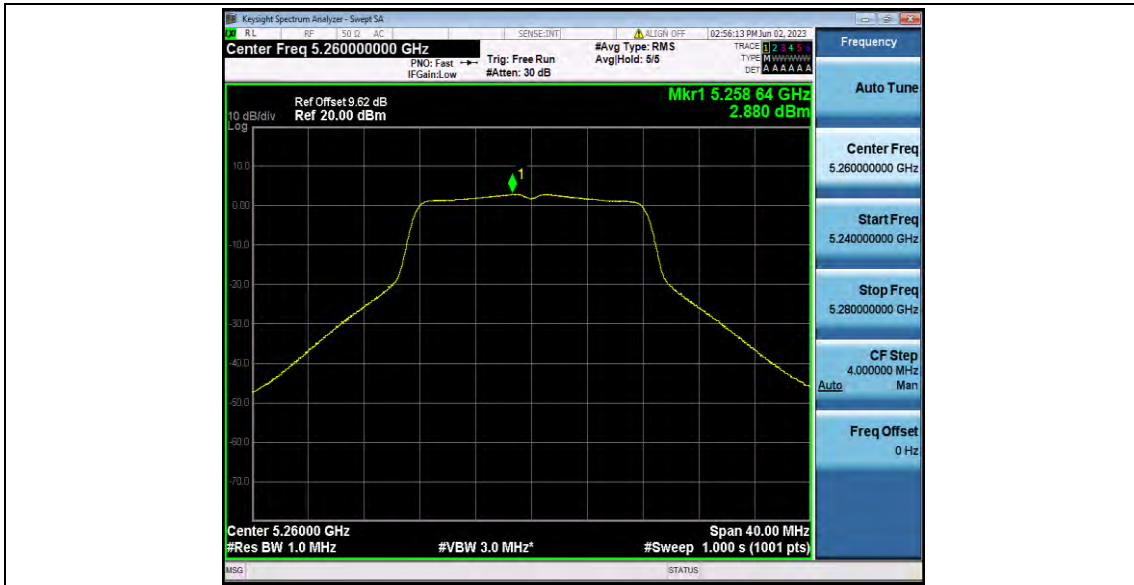
Appendix E.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	2.88	≤11.00	PASS
		5280	2.49	≤11.00	PASS
		5320	2.37	≤11.00	PASS
11N20SISO	Ant1	5260	2.55	≤11.00	PASS
		5280	2.09	≤11.00	PASS
		5320	2.14	≤11.00	PASS
11N40SISO	Ant1	5270	-0.2	≤11.00	PASS
		5310	-0.41	≤11.00	PASS
11AC20SISO	Ant1	5260	2.53	≤11.00	PASS
		5280	2.1	≤11.00	PASS
		5320	1.99	≤11.00	PASS
11AC40SISO	Ant1	5270	-0.2	≤11.00	PASS
		5310	-0.32	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.98	≤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



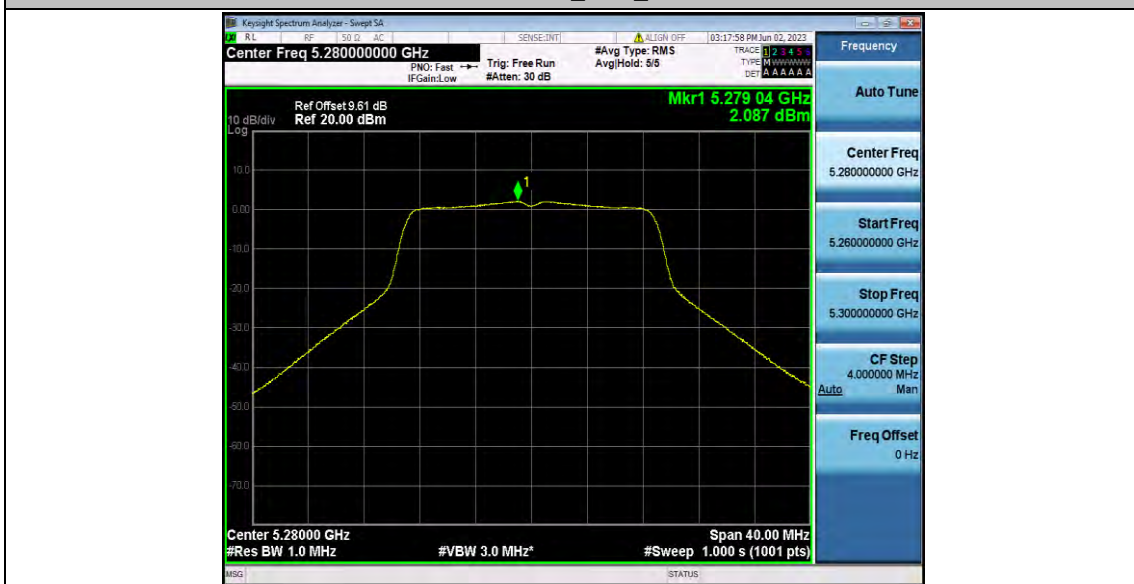
11A_Ant1_5280



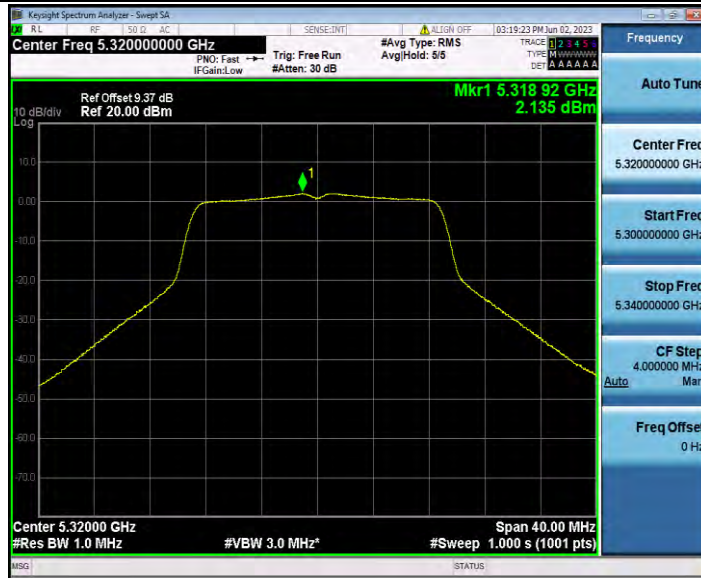
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



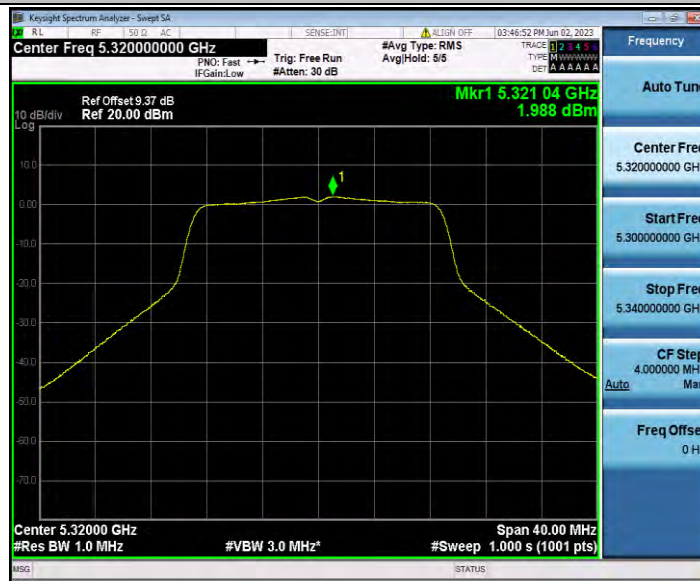
11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



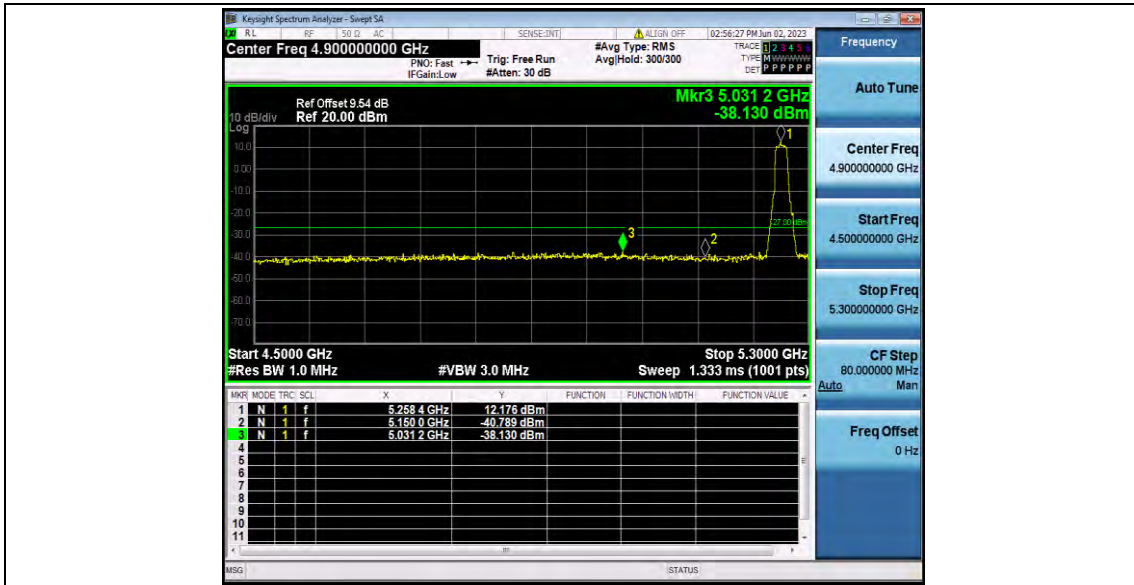
11AC80SISO_Ant1_5290

Appendix E.6: Band edge measurements

Test Result B2

Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-38.13	≤ -27	PASS
		High	5320	-38.38	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-37.78	≤ -27	PASS
		High	5320	-37.87	≤ -27	PASS
11N40SISO	Ant1	Low	5270	-37.95	≤ -27	PASS
		High	5310	-33.29	≤ -27	PASS
11AC20SISO	Ant1	Low	5260	-37.53	≤ -27	PASS
		High	5320	-38.85	≤ -27	PASS
11AC40SISO	Ant1	Low	5270	-37.89	≤ -27	PASS
		High	5310	-32.19	≤ -27	PASS
11AC80SISO	Ant1	Low	5290	-37.91	≤ -27	PASS
		High	5290	-27.24	≤ -27	PASS

Test Graphs B2



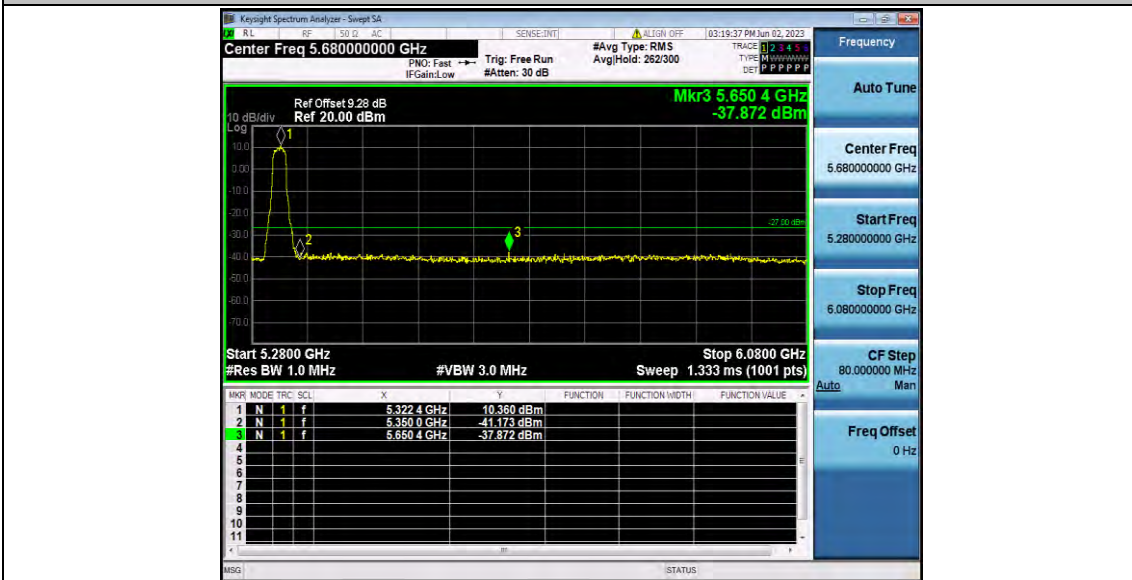
11A_Ant1_Low_5260



11A_Ant1_High_5320



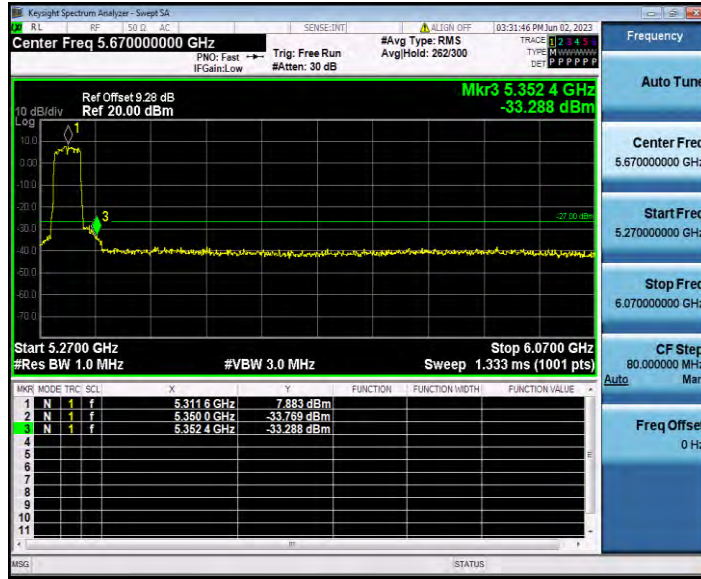
11N20SISO_Ant1_Low_5260



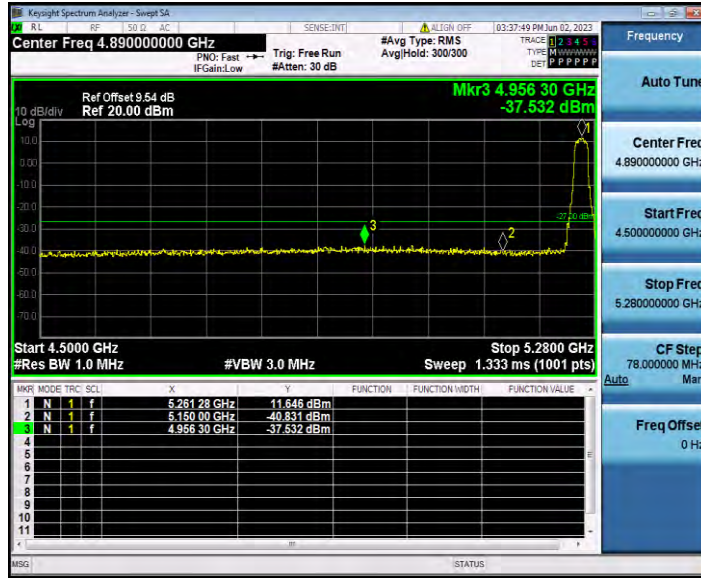
11N20SISO_Ant1_High_5320



11N40SISO_Ant1_Low_5270



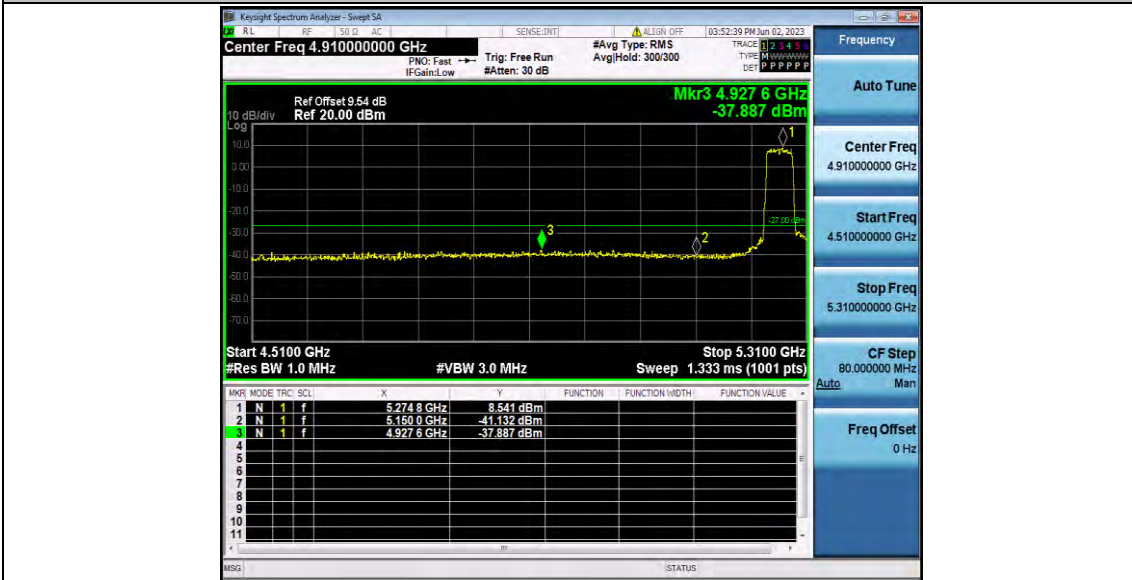
11N40SISO_Ant1_High_5310



11AC20SISO_Ant1_Low_5260



11AC20SISO_Ant1_High_5320



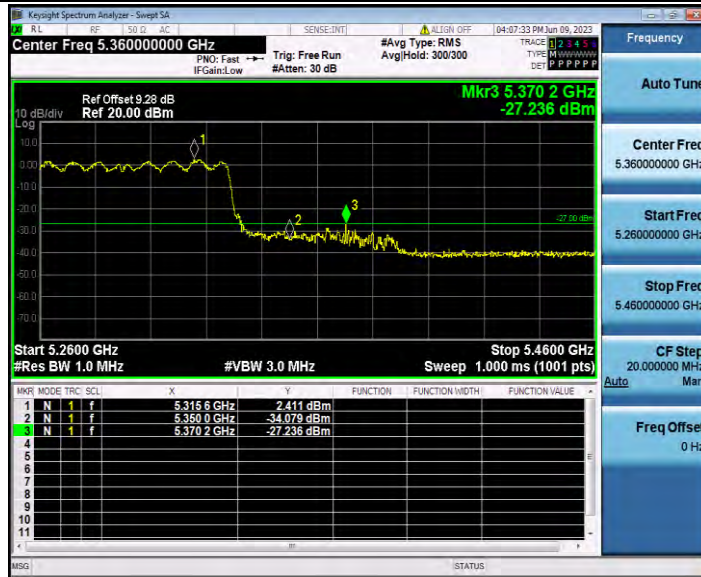
11AC40SISO_Ant1_Low_5270



11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290