

Case No. : <u>GTS20220803009-1-41</u>
Ambient Condition: <u>22</u> °C, <u>50</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.7</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	24.960	5247.600	5272.560	---	---
		5280	26.240	5267.960	5294.200	---	---
		5320	25.840	5309.160	5335.000	---	---
11N20SISO	Ant1	5260	21.400	5249.400	5270.800	---	---
		5280	21.200	5269.320	5290.520	---	---
		5320	21.360	5309.280	5330.640	---	---
11N40SISO	Ant1	5270	54.240	5245.200	5299.440	---	---
		5310	58.720	5285.280	5344.000	---	---
11AC20SISO	Ant1	5260	21.960	5249.000	5270.960	---	---
		5280	22.600	5269.320	5291.920	---	---
		5320	25.480	5309.040	5334.520	---	---
11AC40SISO	Ant1	5270	61.440	5244.880	5306.320	---	---
		5310	58.720	5283.680	5342.400	---	---
11AC80SISO	Ant1	5290	81.120	5249.680	5330.800	---	---

Test Graphs



11A_Ant1_5260



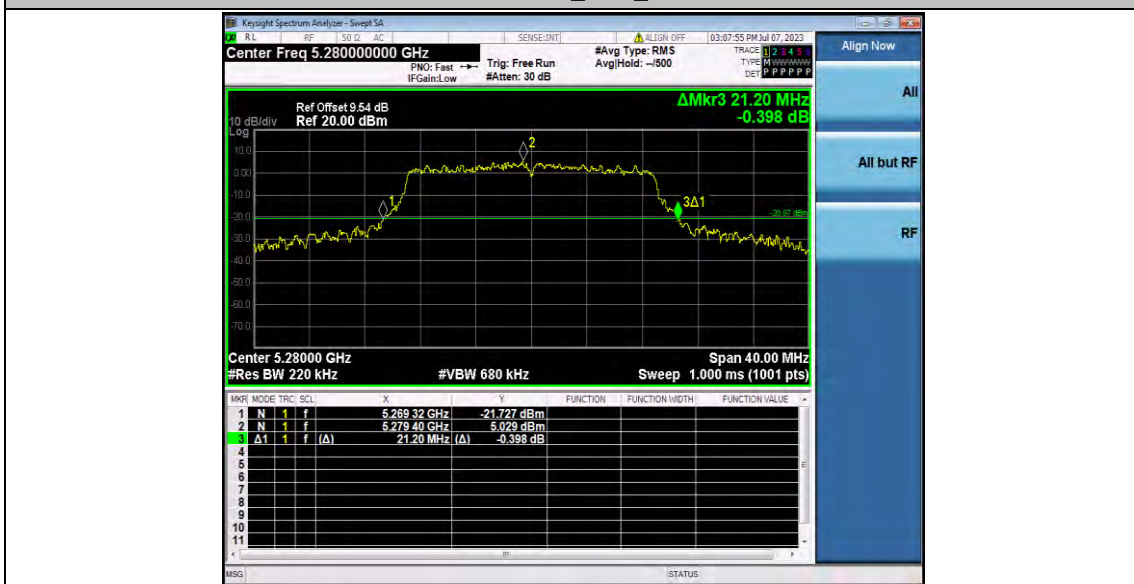
11A_Ant1_5280



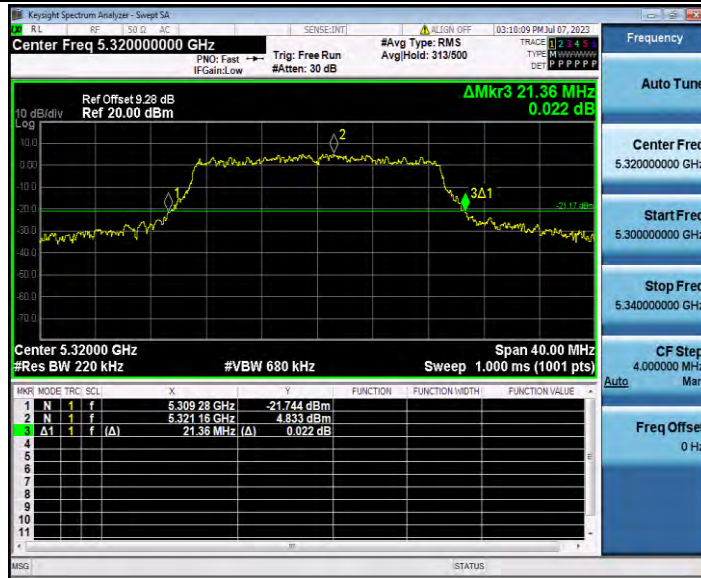
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



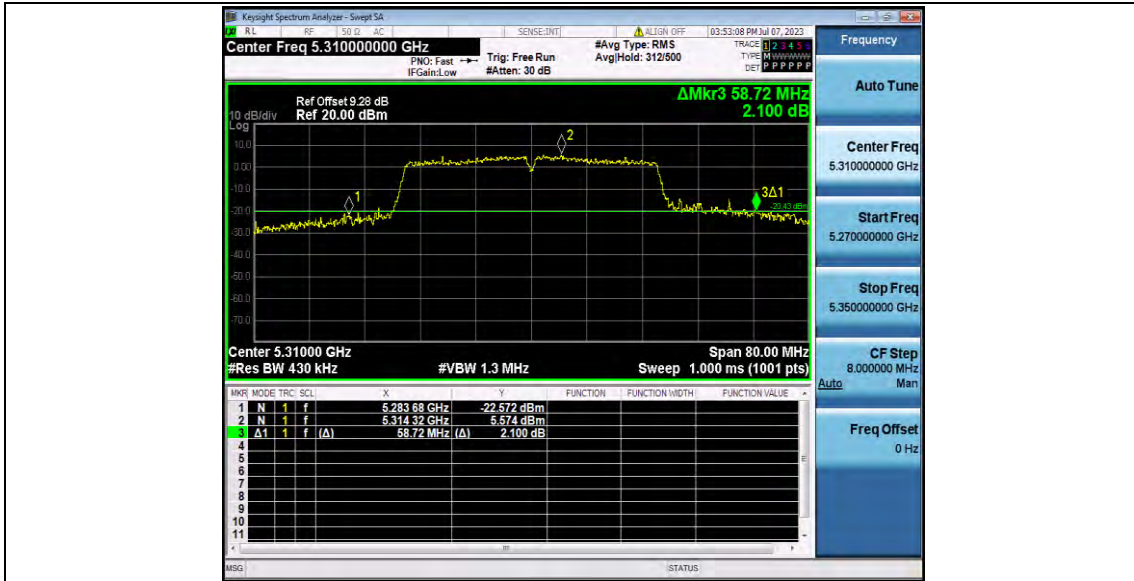
11AC20SISO_Ant1_5280



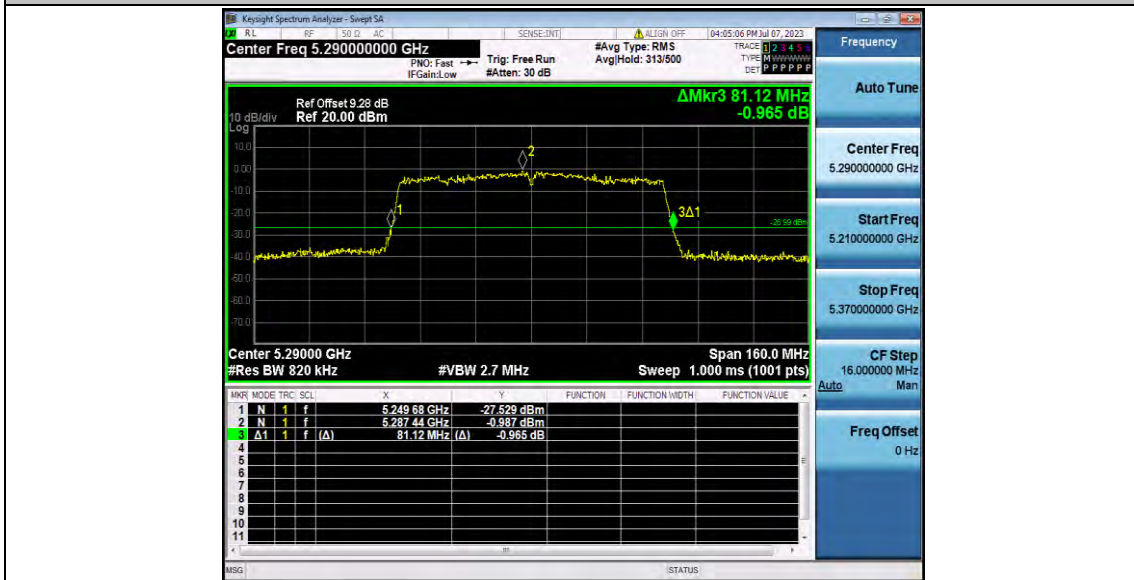
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



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	18.563	5250.756	5269.319	---	---
		5280	18.602	5270.737	5289.339	---	---
		5320	18.597	5310.776	5329.373	---	---
11N20SISO	Ant1	5260	18.150	5250.930	5269.080	---	---
		5280	18.119	5270.938	5289.057	---	---
		5320	18.156	5310.938	5329.094	---	---
11N40SISO	Ant1	5270	36.846	5251.670	5288.516	---	---
		5310	36.990	5291.647	5328.637	---	---
11AC20SISO	Ant1	5260	18.393	5250.817	5269.210	---	---
		5280	18.430	5270.769	5289.199	---	---
		5320	18.642	5310.735	5329.377	---	---
11AC40SISO	Ant1	5270	37.106	5251.610	5288.716	---	---
		5310	37.137	5291.601	5328.738	---	---
11AC80SISO	Ant1	5290	75.850	5252.090	5327.940	---	---

Test Graphs



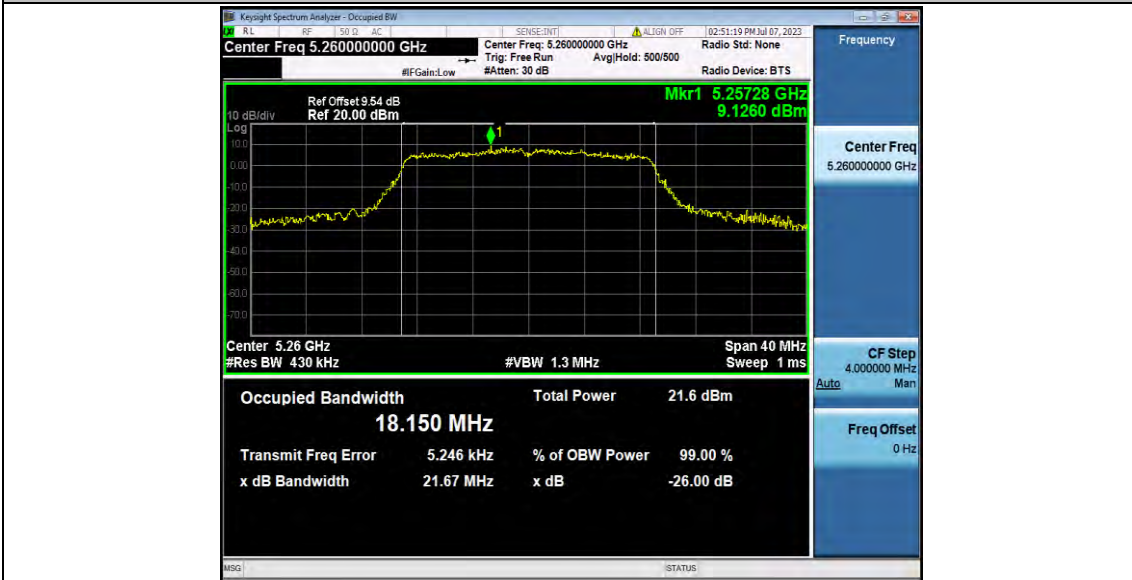
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



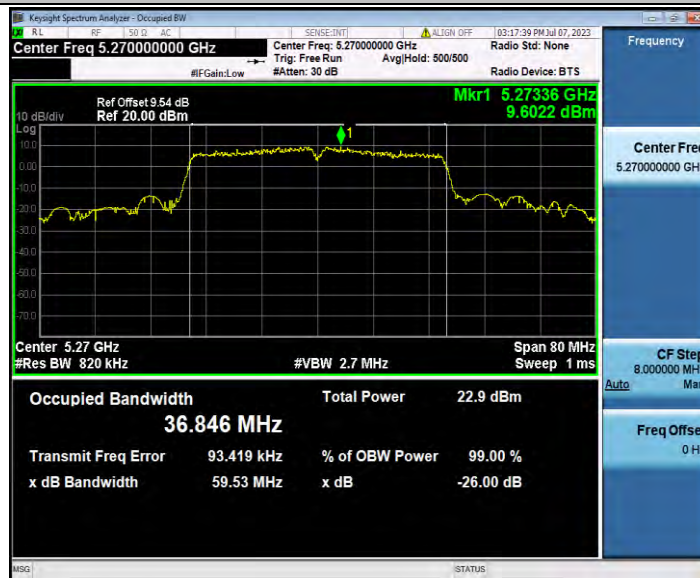
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



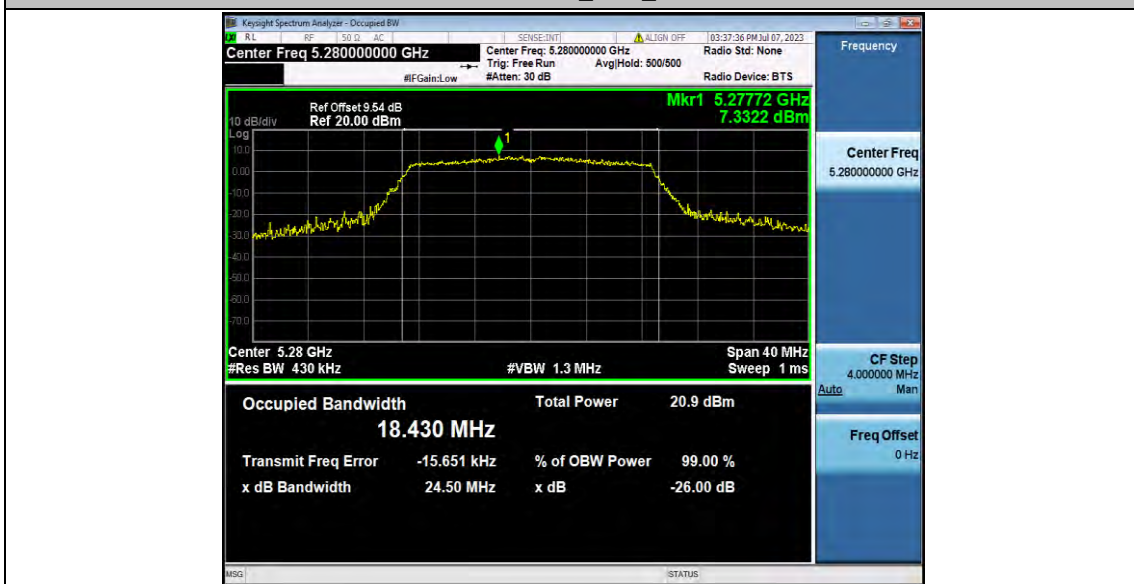
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



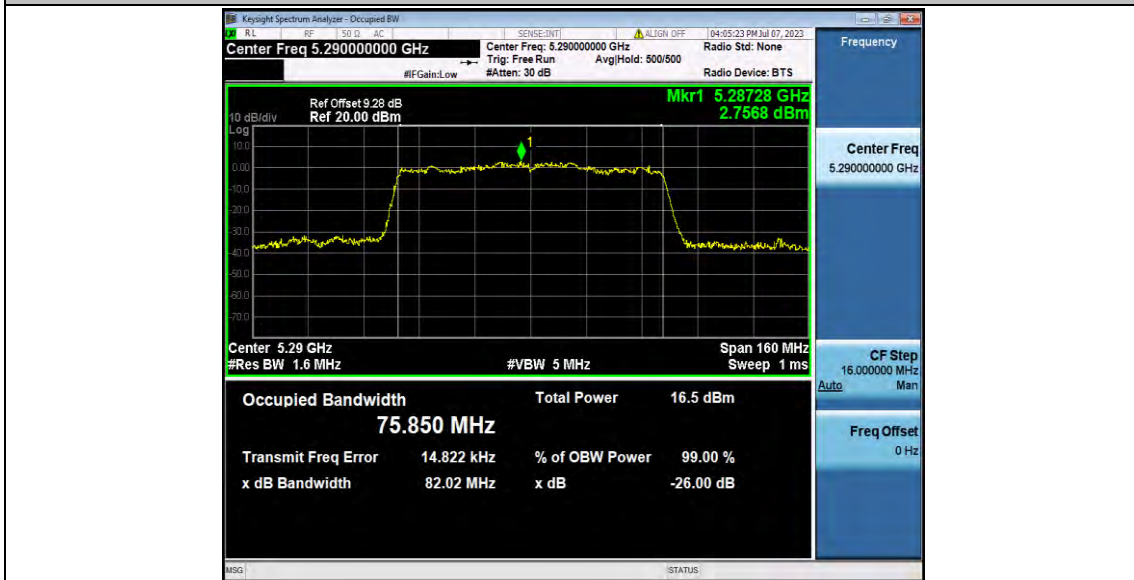
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



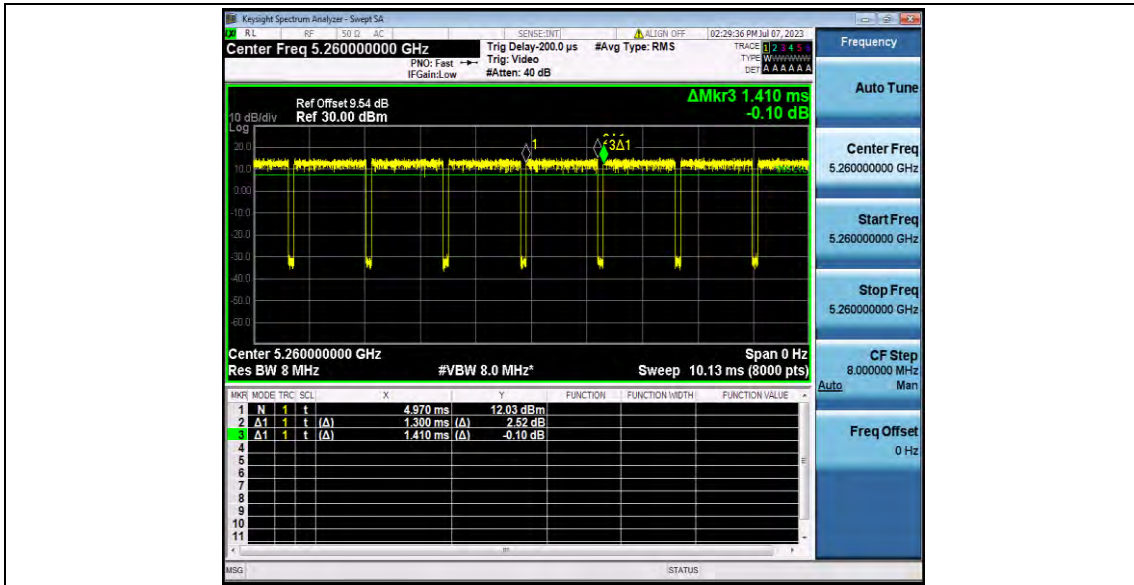
11AC80SISO_Ant1_5290

Appendix E.3: Duty Cycle

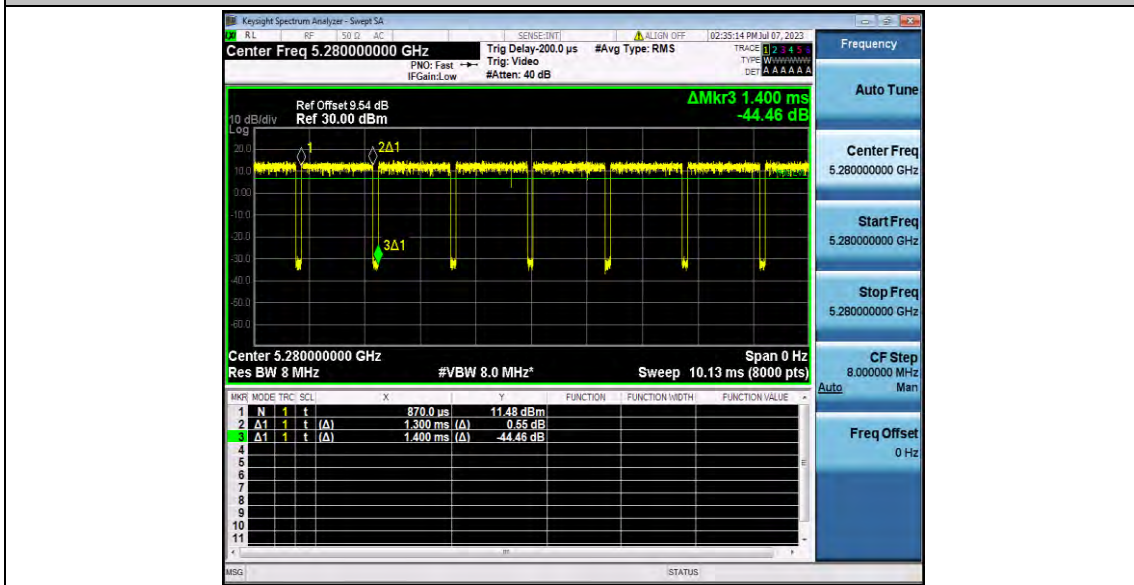
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.30	1.41	92.20
		5280	1.30	1.40	92.86
		5320	1.30	1.41	92.20
11N20SISO	Ant1	5260	0.16	0.26	61.54
		5280	0.17	0.27	62.96
		5320	0.16	0.26	61.54
11N40SISO	Ant1	5270	0.10	0.20	50.00
		5310	0.10	0.21	47.62
11AC20SISO	Ant1	5260	1.31	1.41	92.91
		5280	1.31	1.41	92.91
		5320	1.31	1.41	92.91
11AC40SISO	Ant1	5270	0.65	0.75	86.67
		5310	0.65	0.75	86.67
11AC80SISO	Ant1	5290	0.06	0.16	37.50

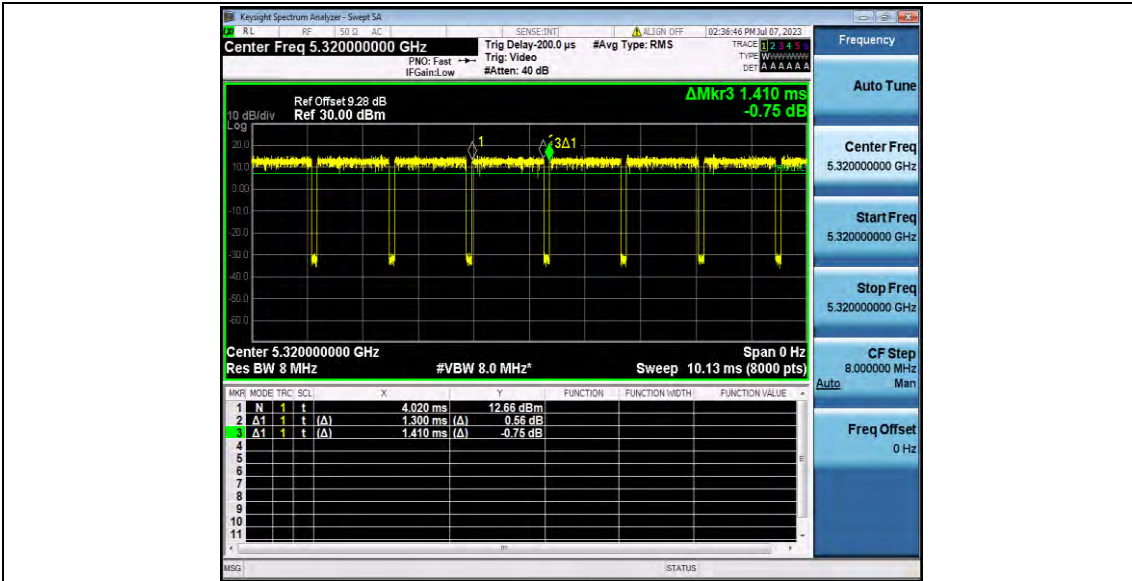
Test Graphs



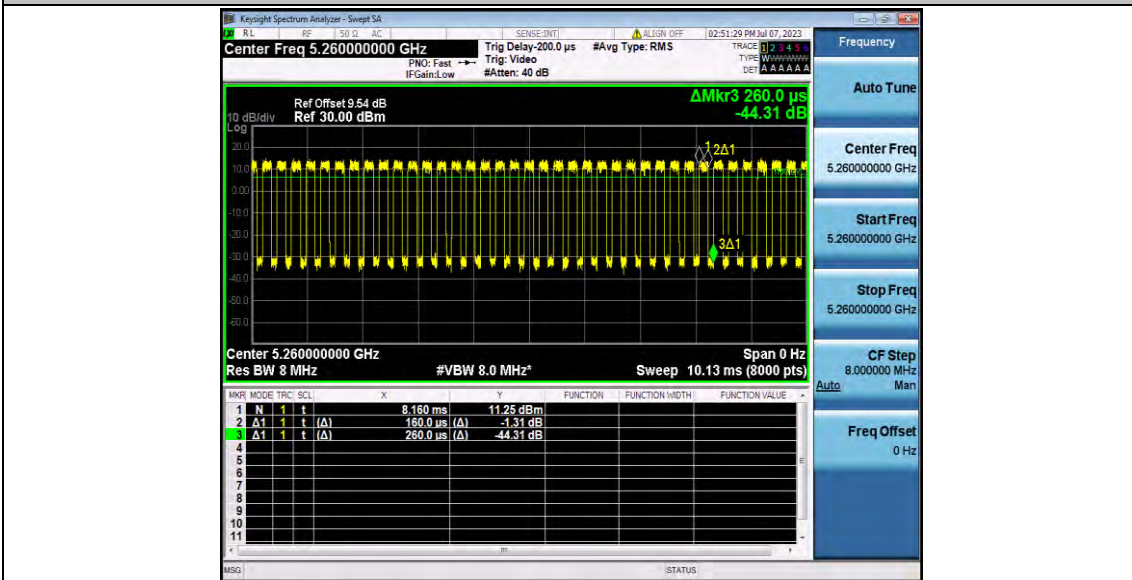
11A_Ant1_5260



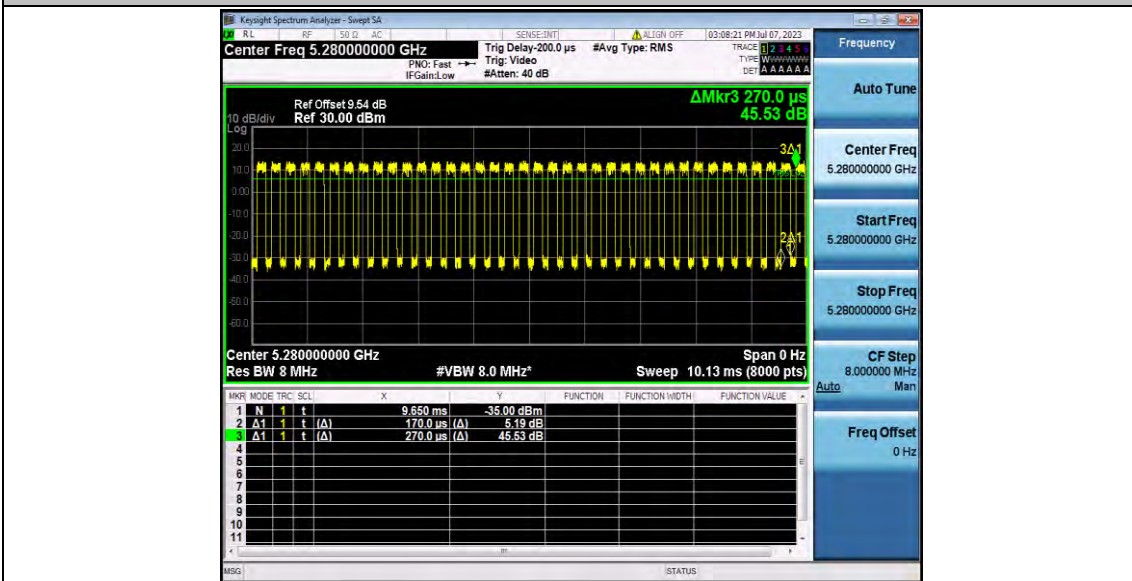
11A_Ant1_5280



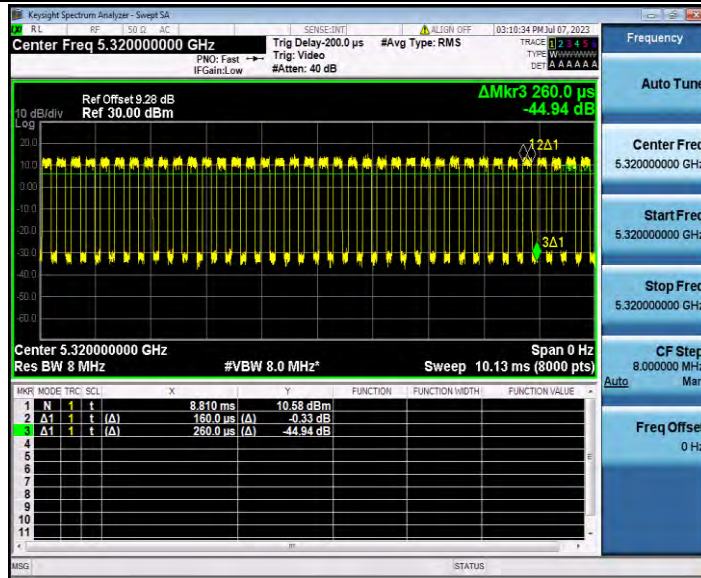
11A_Ant1_5320



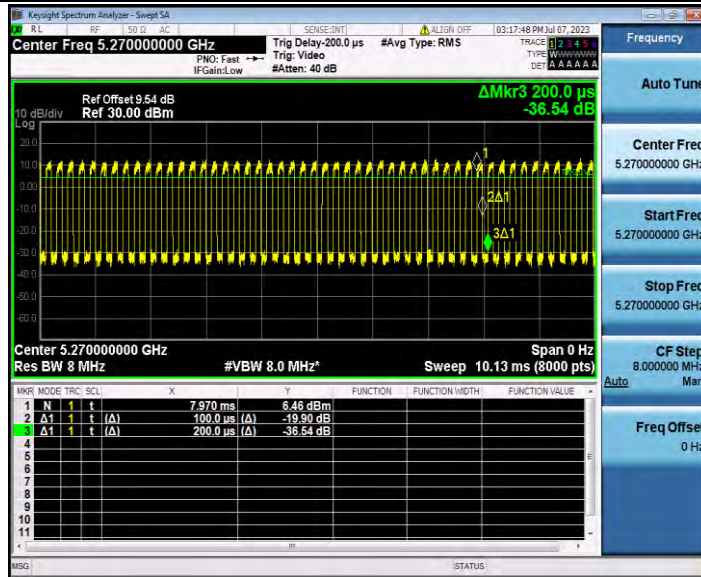
11N20SISO_Ant1_5260



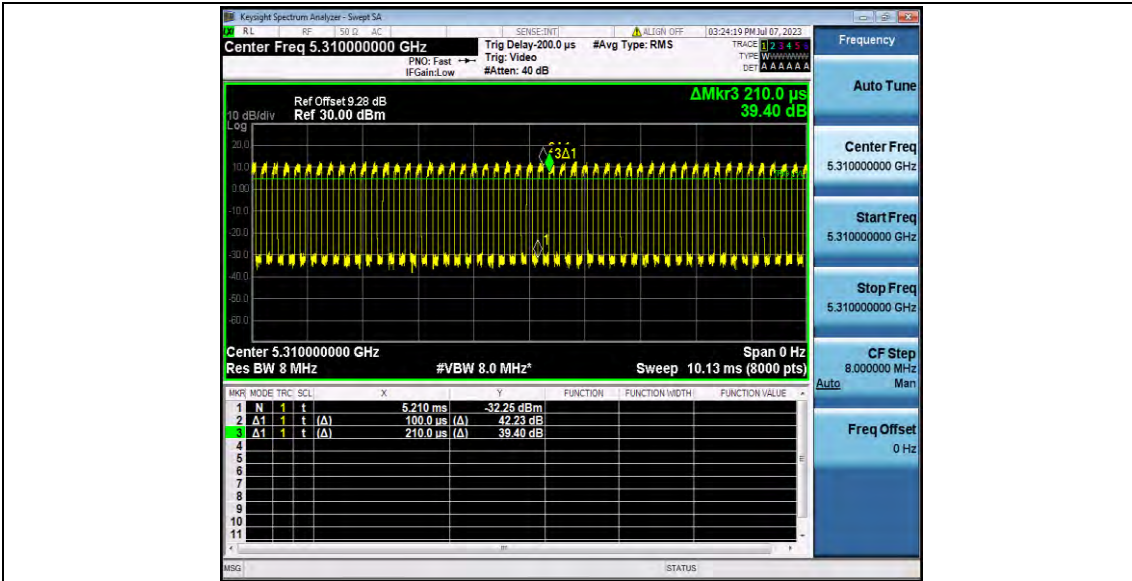
11N20SISO_Ant1_5280



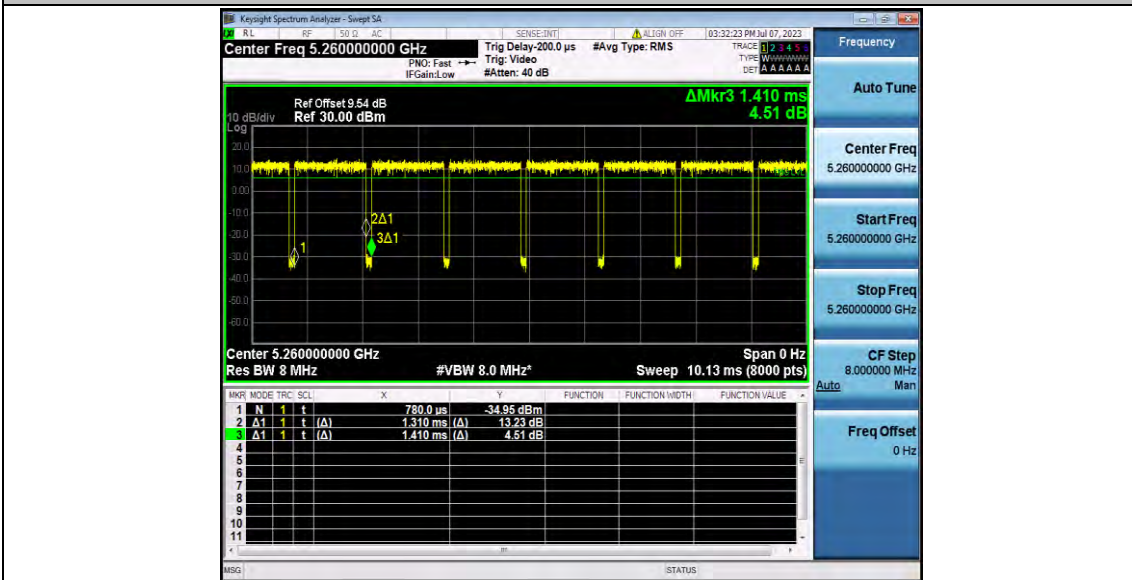
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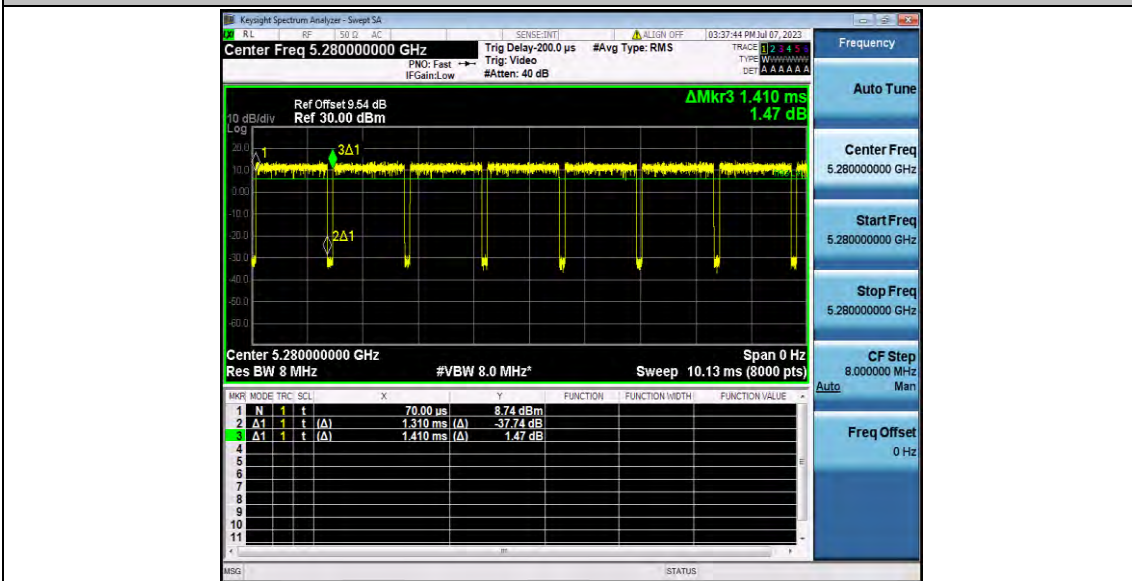
11N40SISO_Ant1_5270



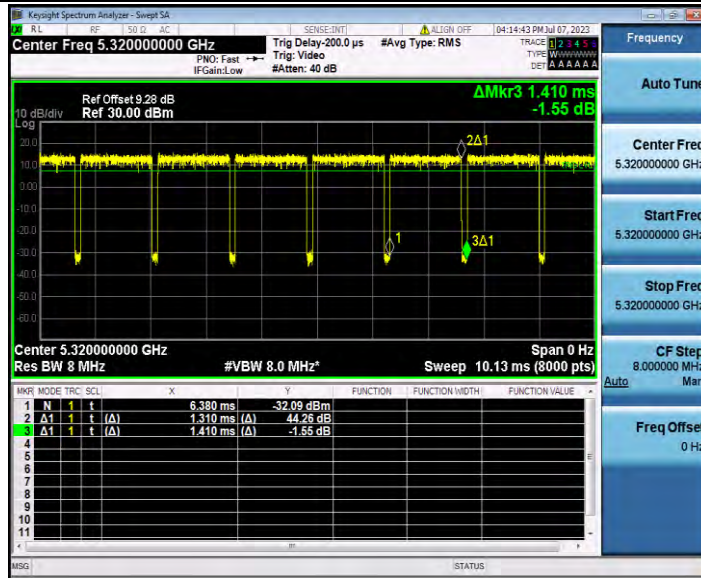
11N40SISO_Ant1_5310



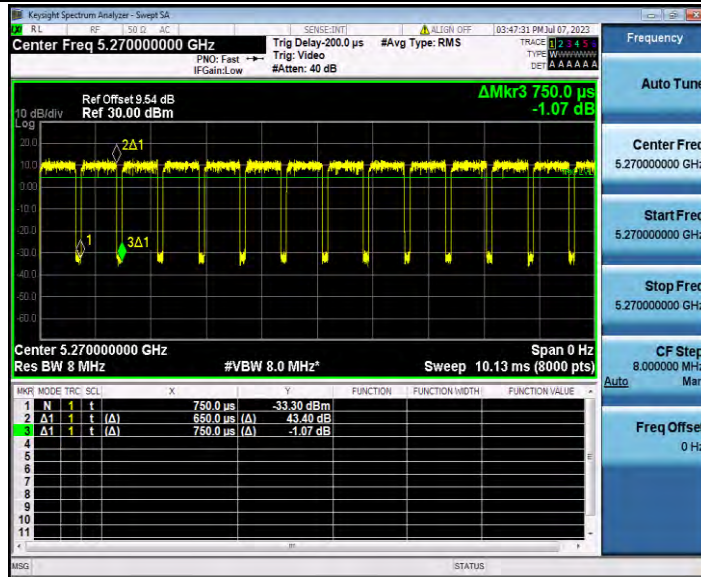
11AC20SISO_Ant1_5260



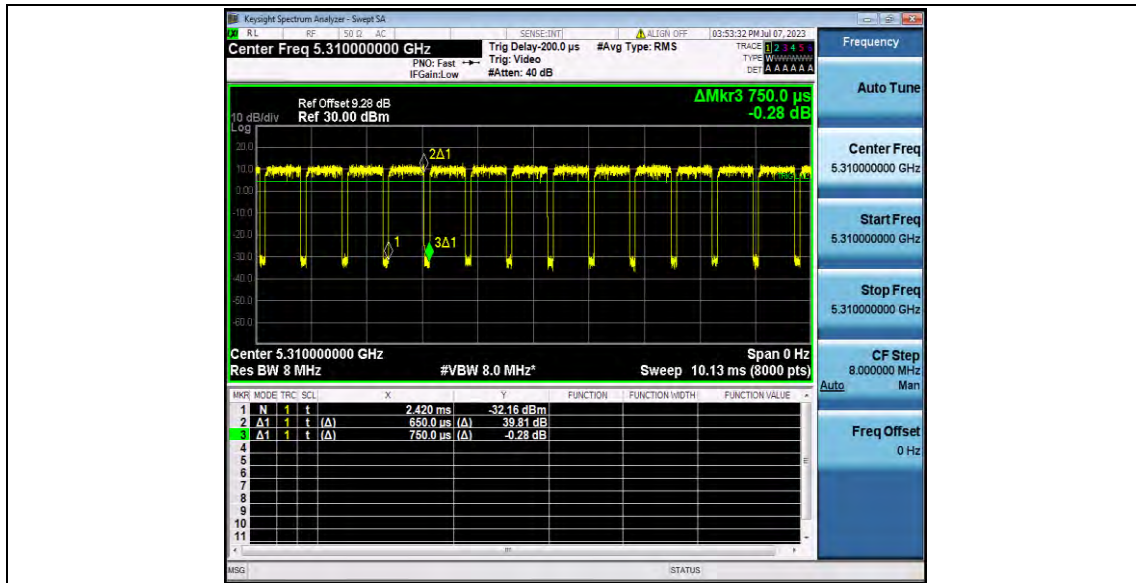
11AC20SISO_Ant1_5280



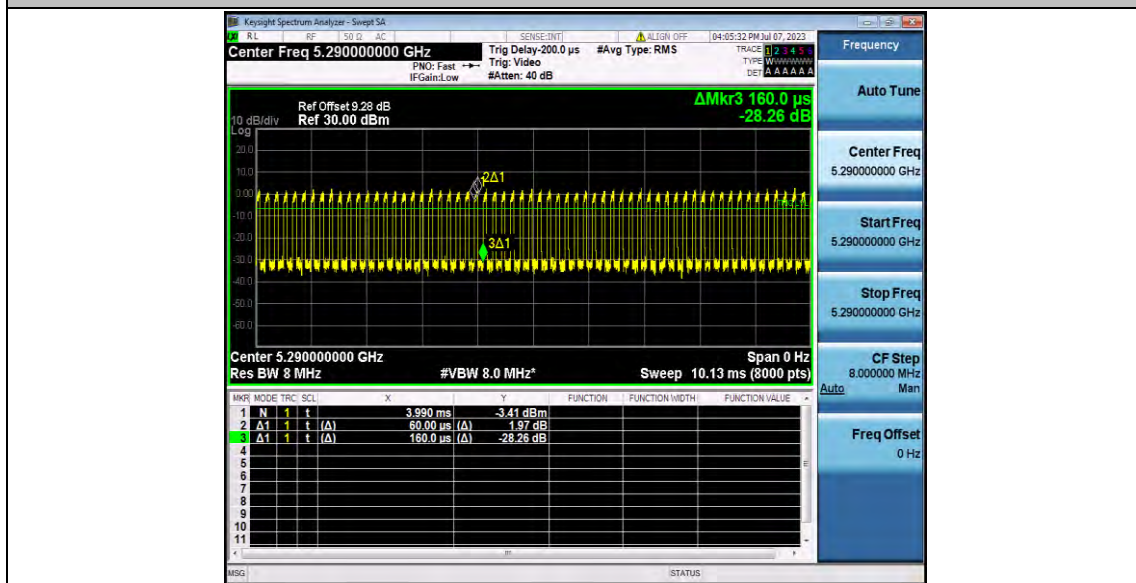
11AC20SISO_Ant1_5320



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	15.04	92.20	0.35	15.39	≤23.98	PASS
		5280	14.61	92.86	0.32	14.93	≤23.98	PASS
		5320	14.96	92.20	0.35	15.31	≤23.98	PASS
11N20SISO	Ant1	5260	12.32	61.54	2.11	14.43	≤23.98	PASS
		5280	12.11	62.96	2.01	14.12	≤23.98	PASS
		5320	12.02	61.54	2.11	14.13	≤23.98	PASS
11N40SISO	Ant1	5270	12.21	50.00	3.01	15.22	≤23.98	PASS
		5310	12.35	47.62	3.22	15.57	≤23.98	PASS
11AC20SISO	Ant1	5260	13.97	92.91	0.32	14.29	≤23.98	PASS
		5280	13.88	92.91	0.32	14.20	≤23.98	PASS
		5320	15.12	92.91	0.32	15.44	≤23.98	PASS
11AC40SISO	Ant1	5270	14.86	86.67	0.62	15.48	≤23.98	PASS
		5310	14.54	86.67	0.62	15.16	≤23.98	PASS
11AC80SISO	Ant1	5290	6.08	37.50	4.26	10.34	≤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	4.98	≤11.00	PASS
		5280	4.52	≤11.00	PASS
		5320	4.9	≤11.00	PASS
11N20SISO	Ant1	5260	4.1	≤11.00	PASS
		5280	3.77	≤11.00	PASS
		5320	3.8	≤11.00	PASS
11N40SISO	Ant1	5270	1.8	≤11.00	PASS
		5310	2.12	≤11.00	PASS
11AC20SISO	Ant1	5260	4.03	≤11.00	PASS
		5280	3.99	≤11.00	PASS
		5320	5.12	≤11.00	PASS
11AC40SISO	Ant1	5270	2.15	≤11.00	PASS
		5310	1.84	≤11.00	PASS
11AC80SISO	Ant1	5290	-8.01	≤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



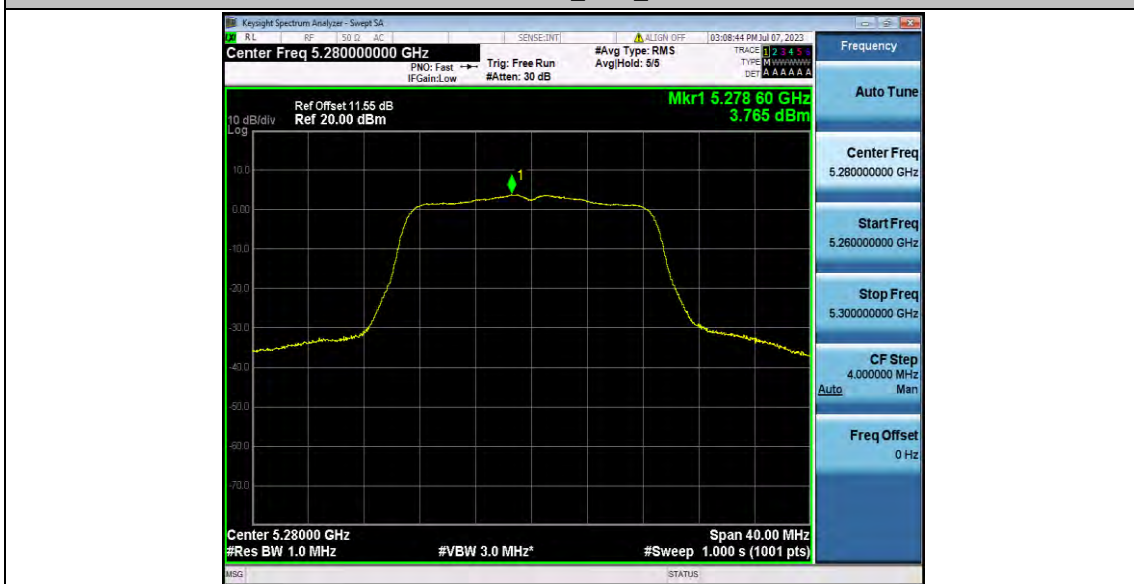
11A_Ant1_5280



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