

<b>Case No. :</b> <u>GTS20231018011-1-18</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.12.9</u> <b>Test Engineer:</b> <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	20.160	5249.960	5270.120	---	---
		5280	19.960	5270.040	5290.000	---	---
		5320	20.160	5310.000	5330.160	---	---
11N20SISO	Ant1	5260	20.120	5249.880	5270.000	---	---
		5280	20.360	5269.800	5290.160	---	---
		5320	20.120	5309.960	5330.080	---	---
11N40SISO	Ant1	5270	40.480	5249.760	5290.240	---	---
		5310	41.280	5289.920	5331.200	---	---
11AC20SISO	Ant1	5260	20.240	5249.880	5270.120	---	---
		5280	19.920	5270.000	5289.920	---	---
		5320	20.000	5310.080	5330.080	---	---
11AC40SISO	Ant1	5270	40.560	5249.680	5290.240	---	---
		5310	40.480	5290.000	5330.480	---	---
11AC80SISO	Ant1	5290	82.080	5249.200	5331.280	---	---

## Test Graphs



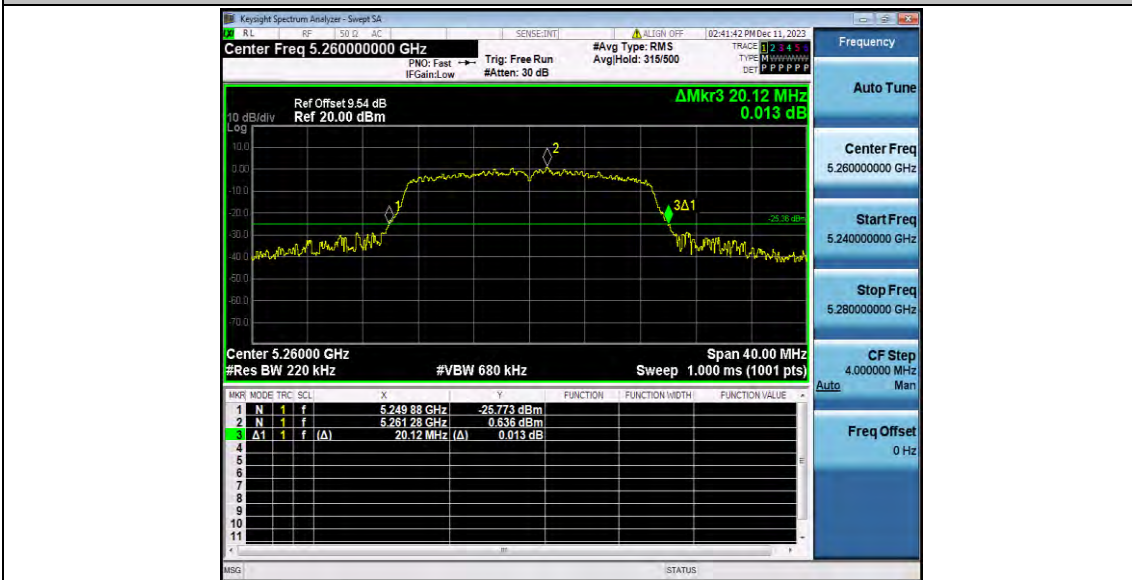
11A\_Ant1\_5260



11A\_Ant1\_5280



11A\_Ant1\_5320



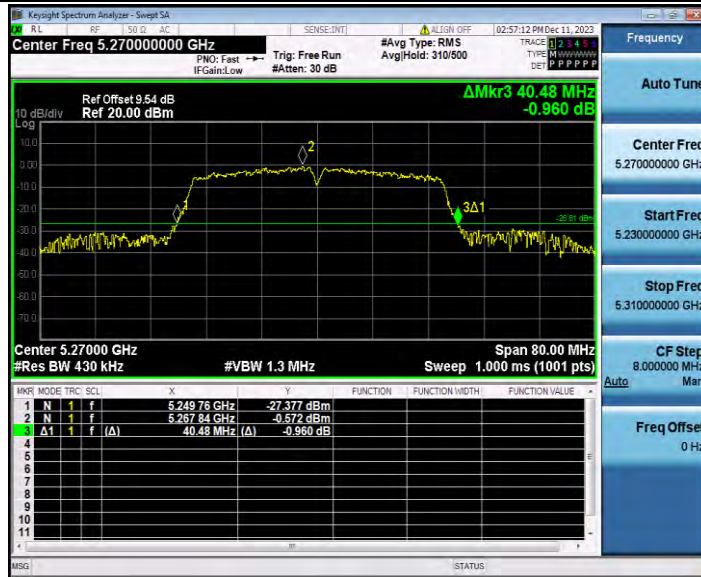
11N20SISO\_Ant1\_5260



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	17.067	5251.380	5268.447	---	---
		5280	17.028	5271.499	5288.527	---	---
		5320	17.147	5311.455	5328.602	---	---
11N20SISO	Ant1	5260	17.782	5251.091	5268.873	---	---
		5280	17.779	5271.110	5288.889	---	---
		5320	17.866	5311.118	5328.984	---	---
11N40SISO	Ant1	5270	36.427	5251.819	5288.246	---	---
		5310	36.451	5291.965	5328.416	---	---
11AC20SISO	Ant1	5260	17.725	5251.121	5268.846	---	---
		5280	17.712	5271.147	5288.859	---	---
		5320	17.774	5311.171	5328.945	---	---
11AC40SISO	Ant1	5270	36.231	5251.926	5288.157	---	---
		5310	36.272	5292.032	5328.304	---	---
11AC80SISO	Ant1	5290	76.172	5252.047	5328.219	---	---



## Test Graphs



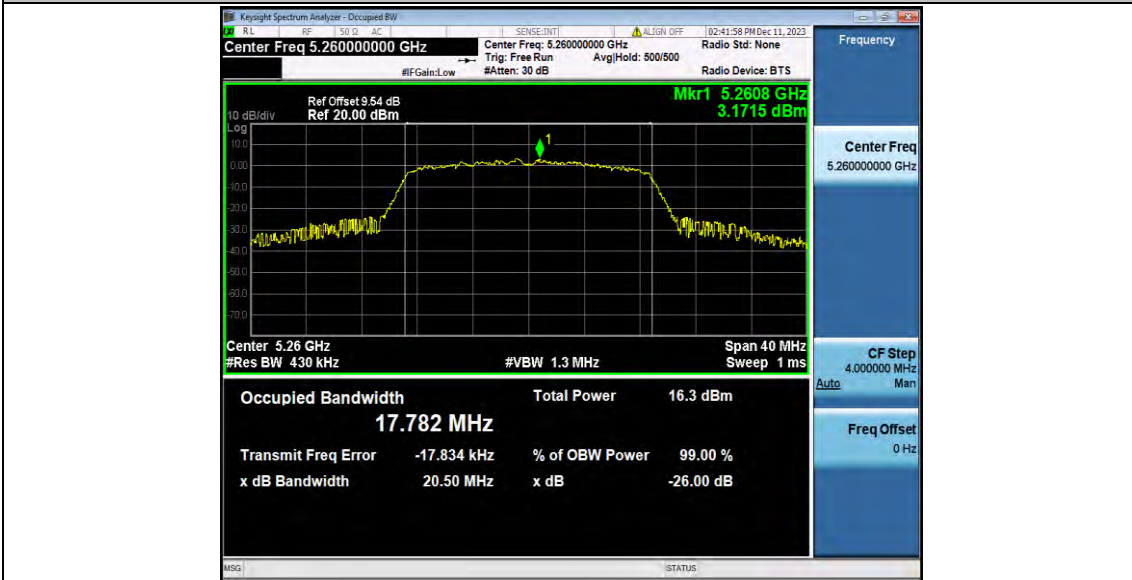
11A\_Ant1\_5260



11A\_Ant1\_5280



11A\_Ant1\_5320



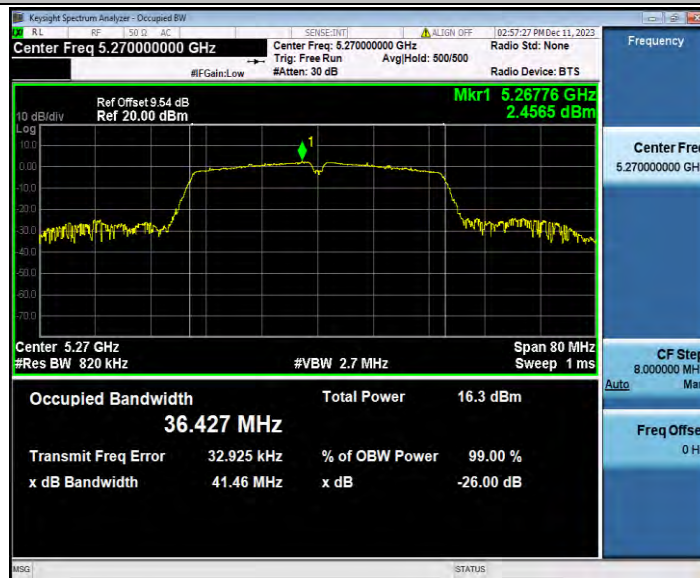
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



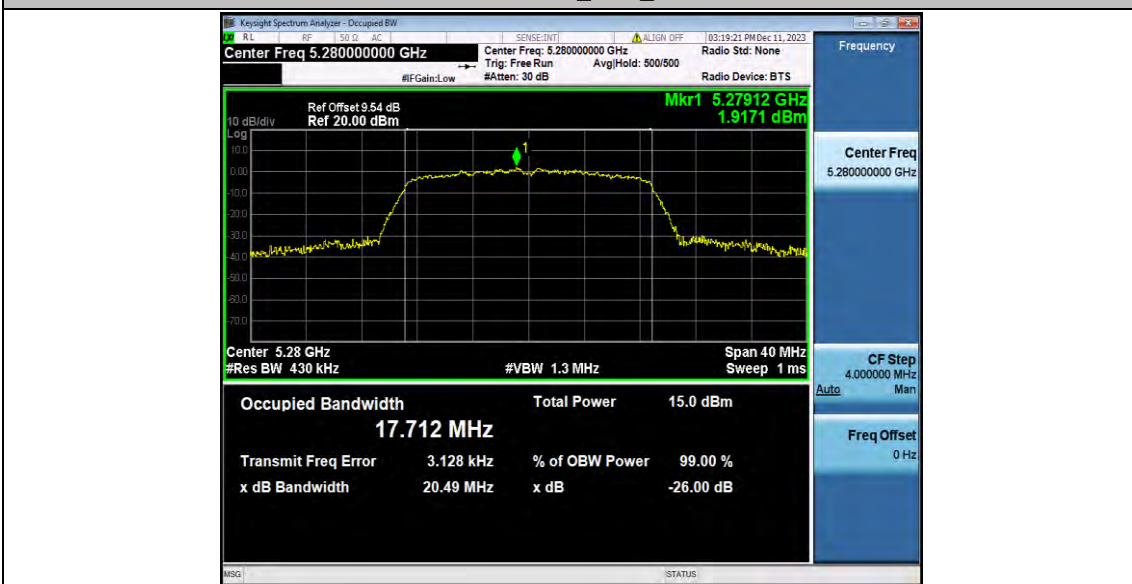
11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310



11AC20SISO\_Ant1\_5260

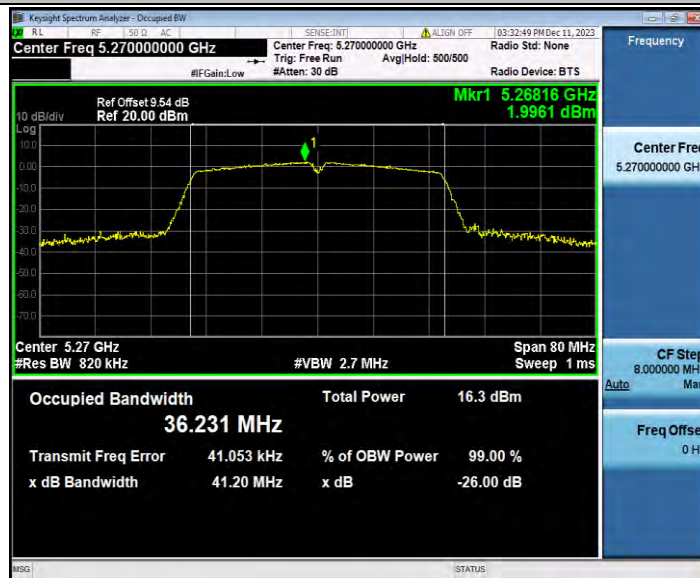




11AC20SISO\_Ant1\_5280



11AC20SISO\_Ant1\_5320

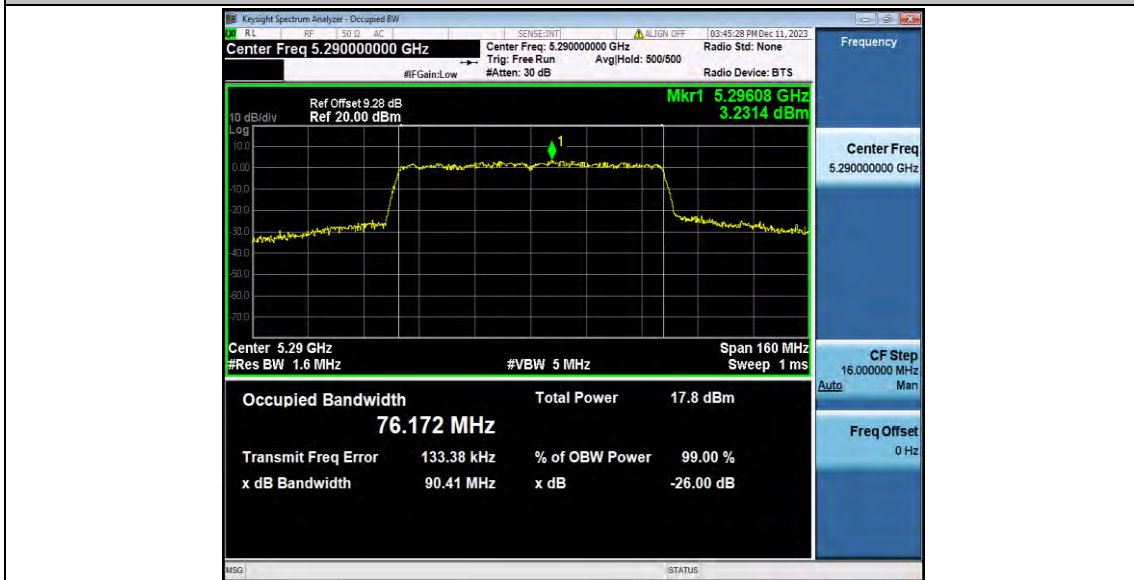


11AC40SISO\_Ant1\_5270





11AC40SISO\_Ant1\_5310



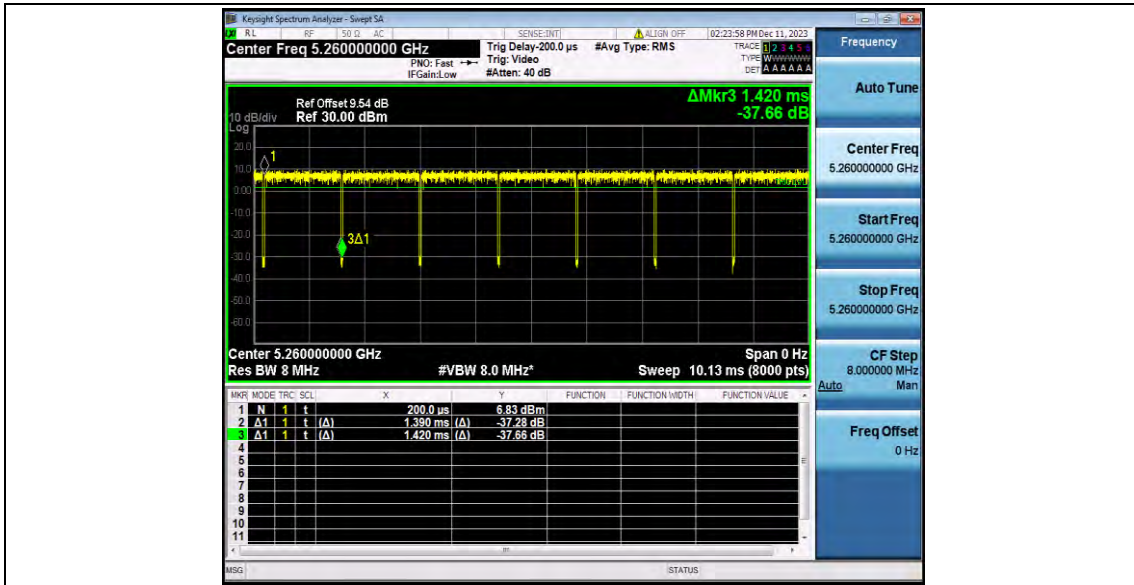
11AC80SISO\_Ant1\_5290

## Appendix E.3: Duty Cycle

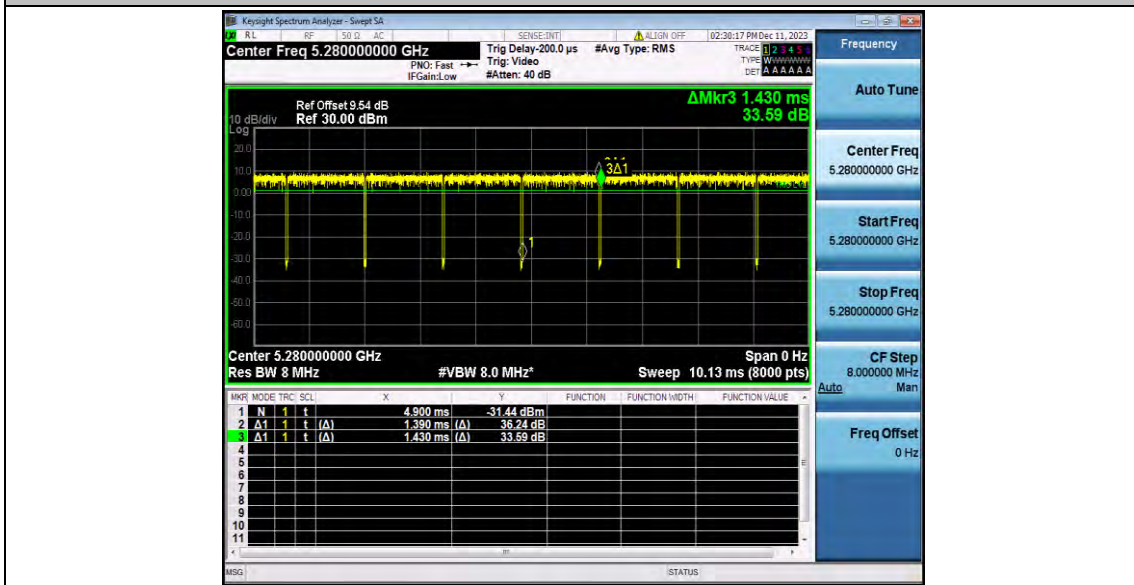
### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.39	1.42	97.89
		5280	1.39	1.43	97.20
		5320	1.39	1.43	97.20
11N20SISO	Ant1	5260	1.30	1.34	97.01
		5280	1.30	1.34	97.01
		5320	1.30	1.34	97.01
11N40SISO	Ant1	5270	0.65	0.68	95.59
		5310	0.65	0.69	94.20
11AC20SISO	Ant1	5260	1.31	1.35	97.04
		5280	1.32	1.35	97.78
		5320	1.31	1.35	97.04
11AC40SISO	Ant1	5270	0.65	0.69	94.20
		5310	0.66	0.69	95.65
11AC80SISO	Ant1	5290	0.33	0.36	91.67

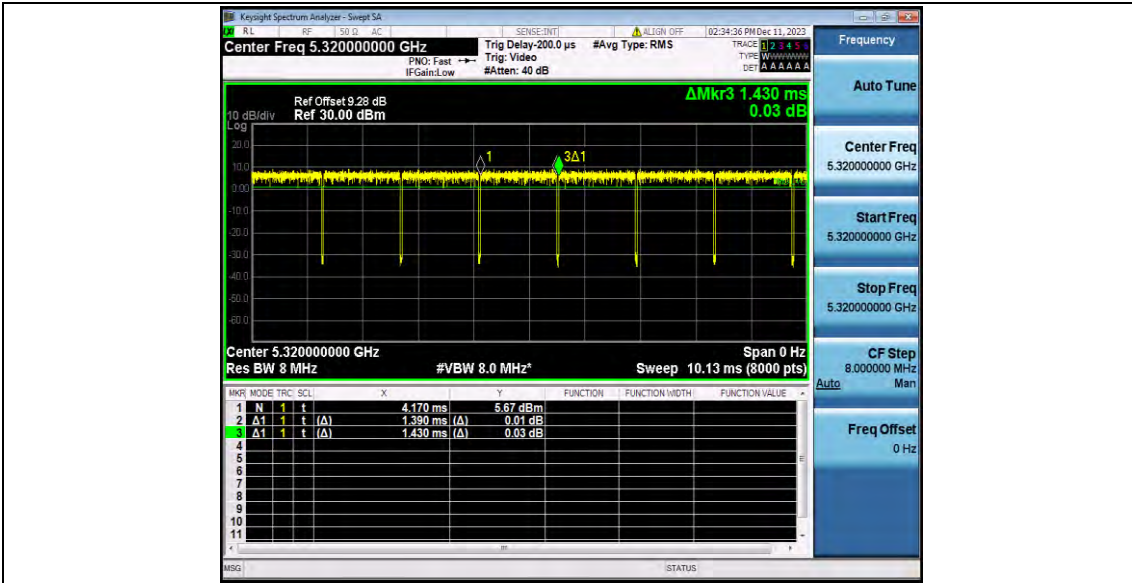
## Test Graphs



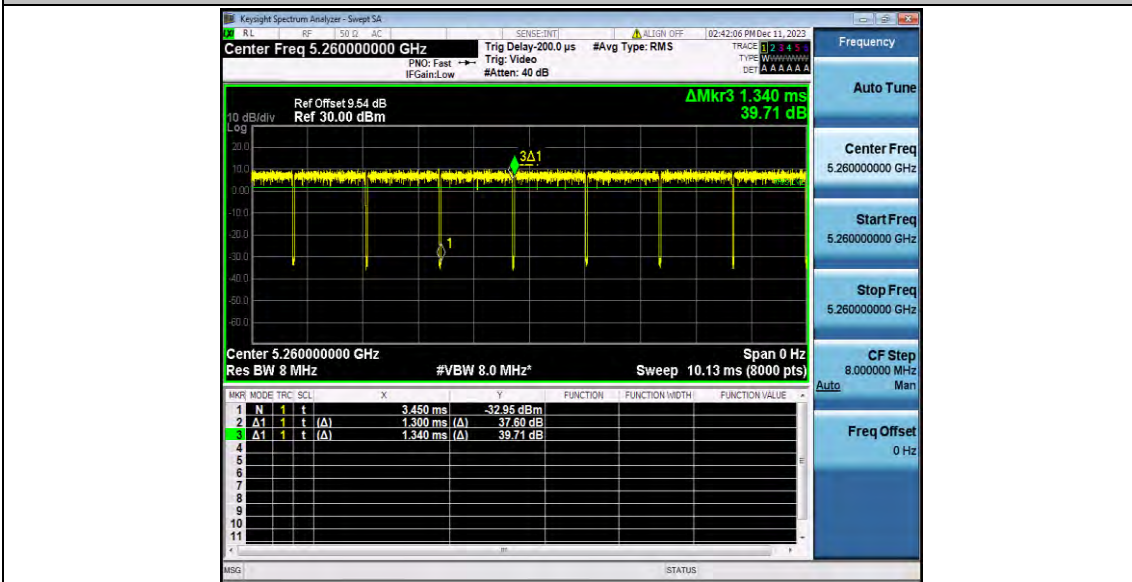
11A\_Ant1\_5260



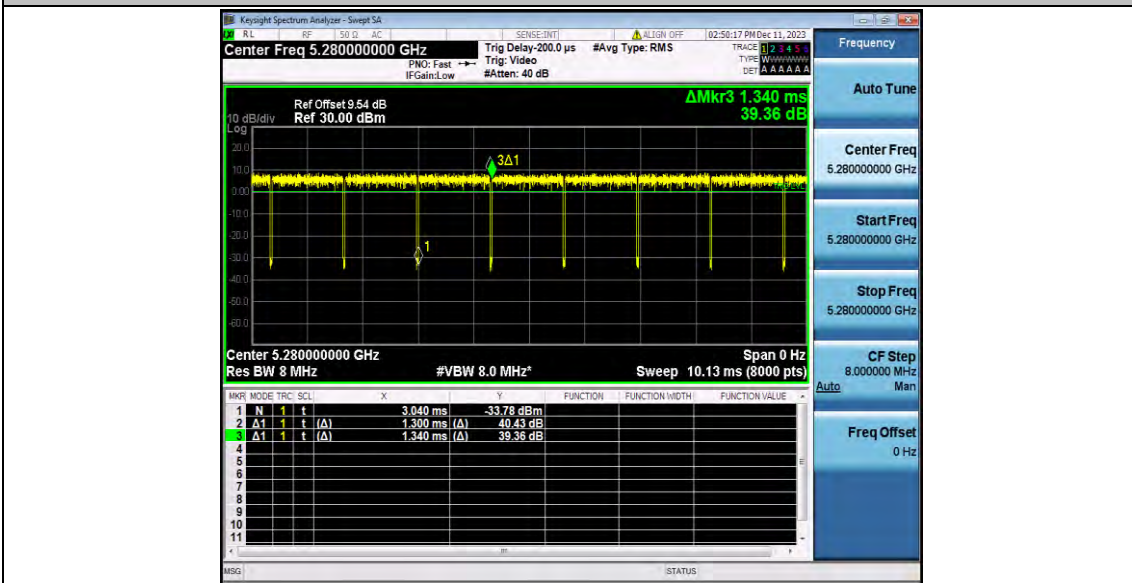
11A\_Ant1\_5280



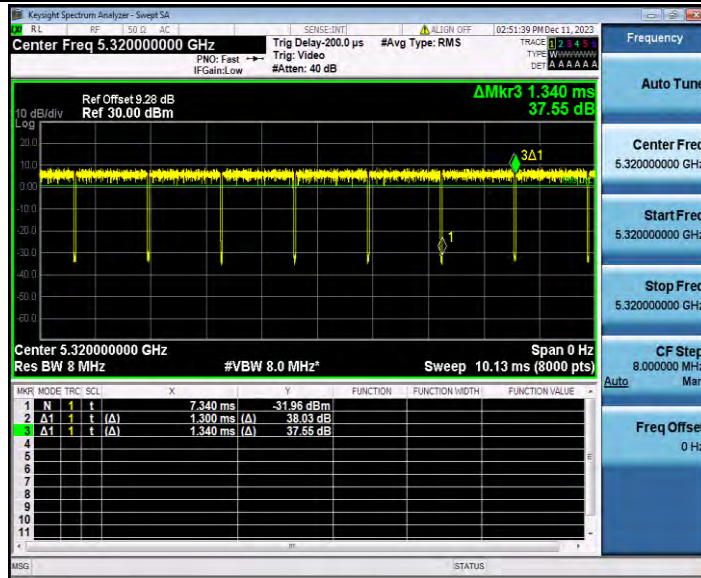
11A\_Ant1\_5320



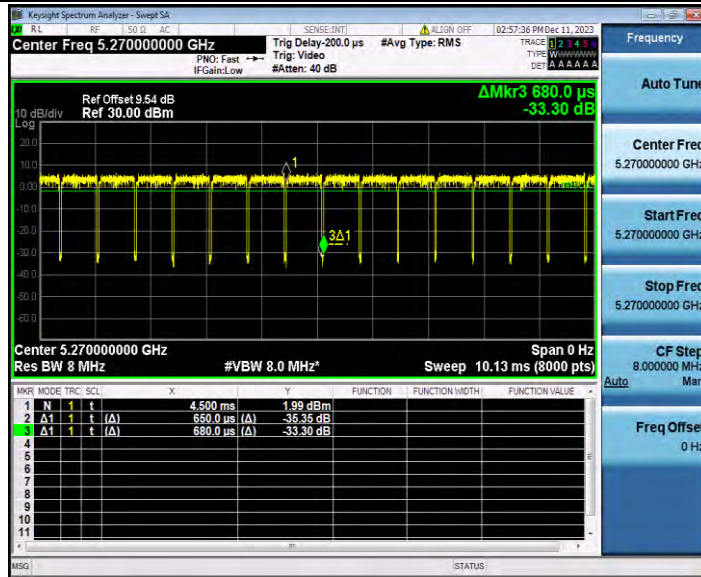
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280

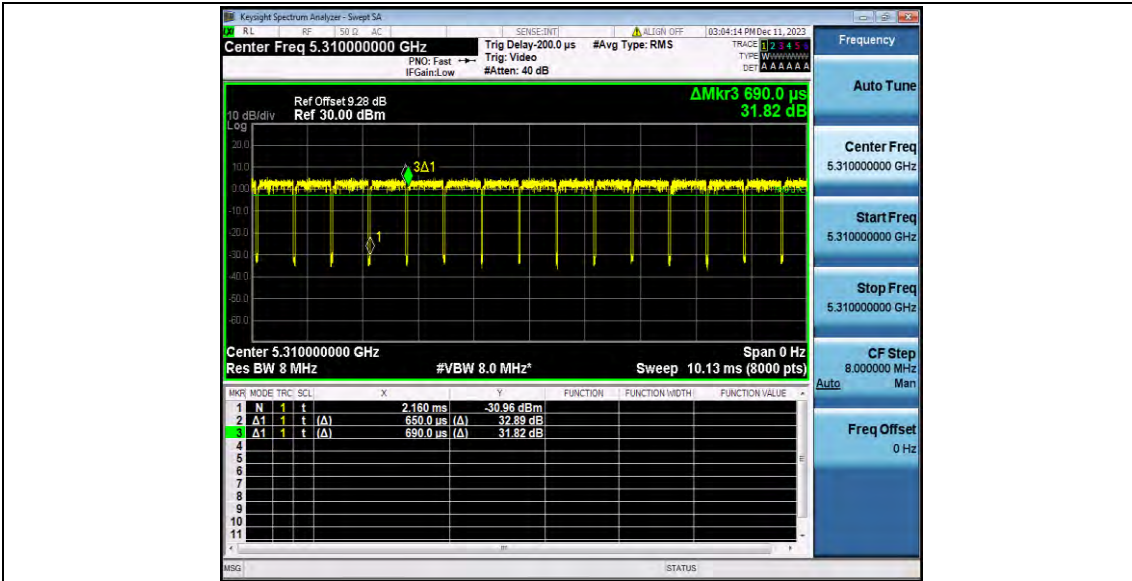


11N20SISO\_Ant1\_5320

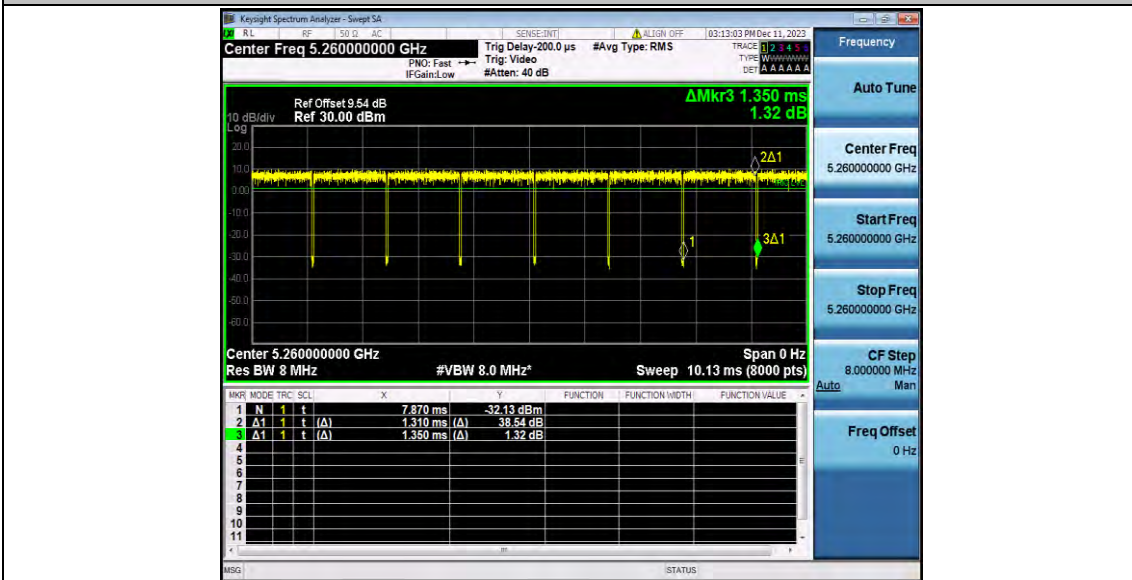


11N40SISO\_Ant1\_5270

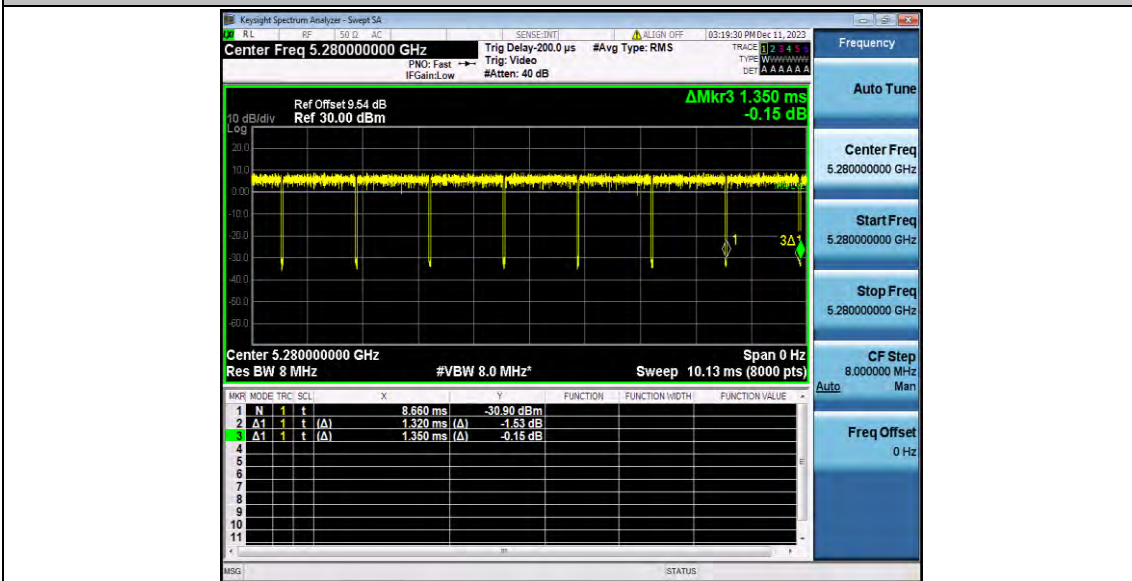




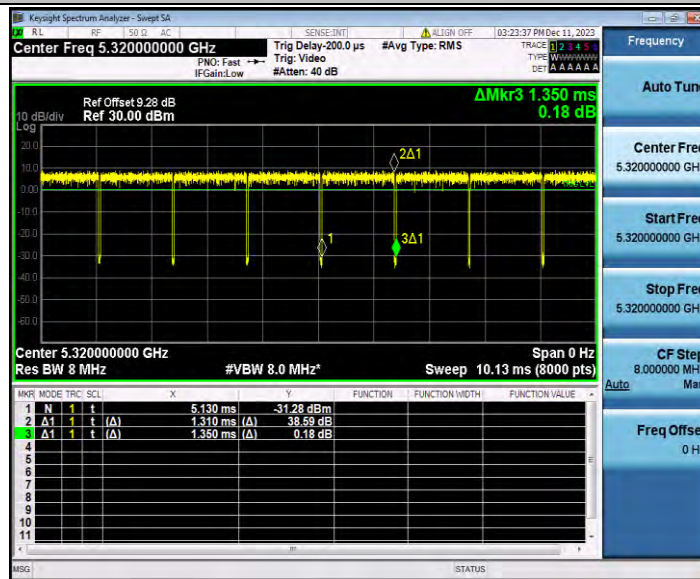
11N40SISO\_Ant1\_5310



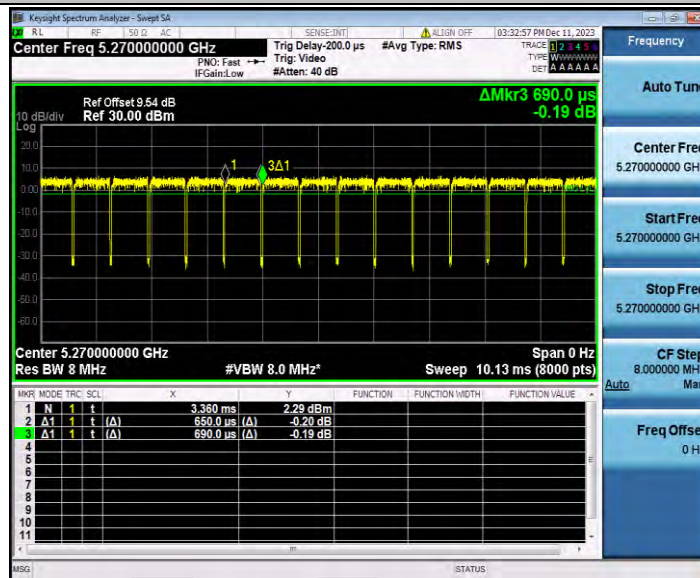
11AC20SISO\_Ant1\_5260



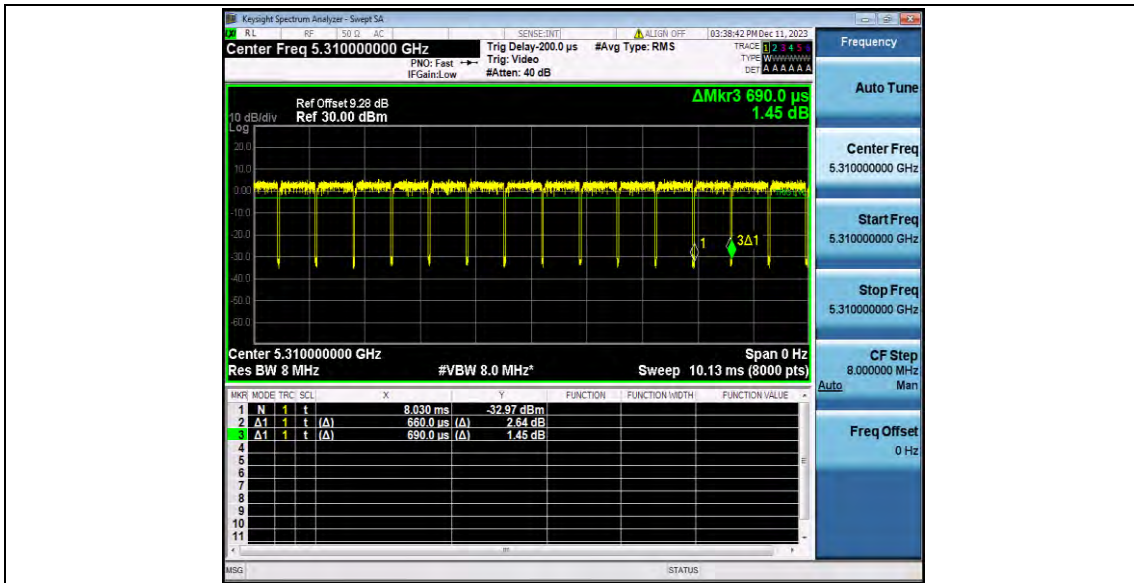
11AC20SISO\_Ant1\_5280



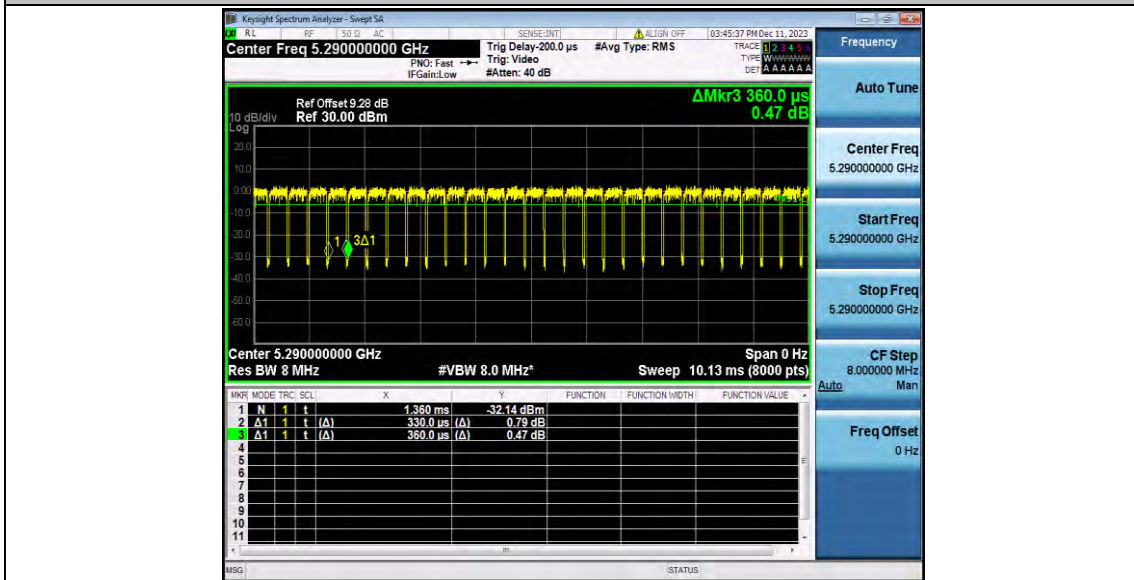
11AC20SISO\_Ant1\_5320



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	9.35	97.89	0.09	9.44	≤23.98	PASS
		5280	9.15	97.20	0.12	9.27	≤23.98	PASS
		5320	8.63	97.20	0.12	8.75	≤23.98	PASS
11N20SISO	Ant1	5260	9.54	97.01	0.13	9.67	≤23.98	PASS
		5280	8.34	97.01	0.13	8.47	≤23.98	PASS
		5320	8.36	97.01	0.13	8.49	≤23.98	PASS
11N40SISO	Ant1	5270	8.93	95.59	0.20	9.13	≤23.98	PASS
		5310	7.72	94.20	0.26	7.98	≤23.98	PASS
11AC20SISO	Ant1	5260	9.36	97.04	0.13	9.49	≤23.98	PASS
		5280	8.19	97.78	0.10	8.29	≤23.98	PASS
		5320	8.24	97.04	0.13	8.37	≤23.98	PASS
11AC40SISO	Ant1	5270	8.92	94.20	0.26	9.18	≤23.98	PASS
		5310	7.74	95.65	0.19	7.93	≤23.98	PASS
11AC80SISO	Ant1	5290	8.53	91.67	0.38	8.91	≤23.98	PASS

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

## Appendix E.5: Maximum power spectral density

### Test Result

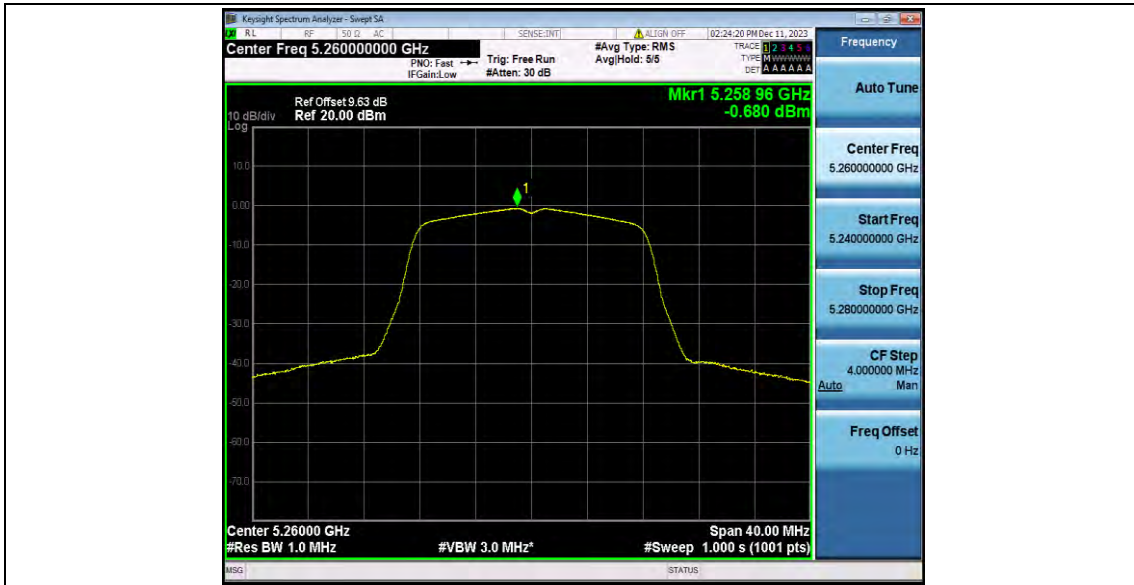
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	-0.68	≤11.00	PASS
		5280	-1.21	≤11.00	PASS
		5320	-1.71	≤11.00	PASS
11N20SISO	Ant1	5260	-0.91	≤11.00	PASS
		5280	-2.14	≤11.00	PASS
		5320	-2.12	≤11.00	PASS
11N40SISO	Ant1	5270	-4.33	≤11.00	PASS
		5310	-5.47	≤11.00	PASS
11AC20SISO	Ant1	5260	-0.97	≤11.00	PASS
		5280	-2.2	≤11.00	PASS
		5320	-2.06	≤11.00	PASS
11AC40SISO	Ant1	5270	-4.21	≤11.00	PASS
		5310	-5.45	≤11.00	PASS
11AC80SISO	Ant1	5290	-8.53	≤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



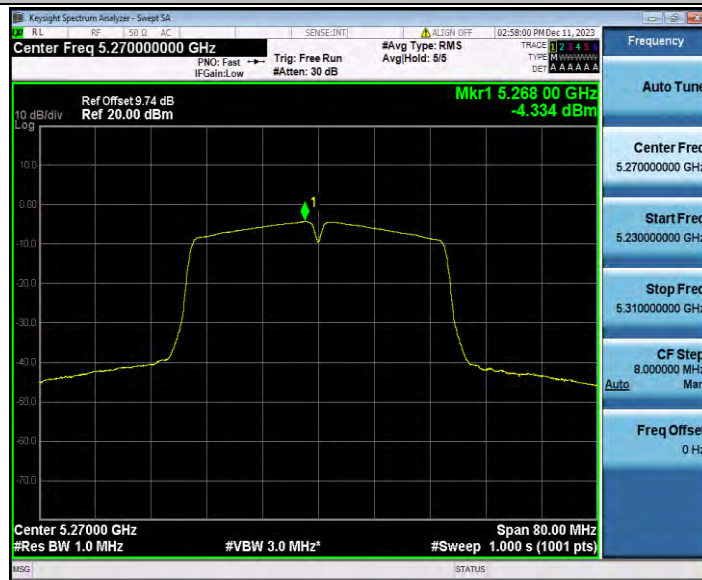
11N20SISO\_Ant1\_5260



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