

<b>Case No. :</b> <u>GTS20231117002-1-4</u>
<b>Ambient Condition:</b> <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.11.28</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	20.520	5249.600	5270.120	---	---
		5280	20.160	5269.680	5289.840	---	---
		5320	20.160	5309.840	5330.000	---	---
11N20SISO	Ant1	5260	20.040	5250.080	5270.120	---	---
		5280	20.400	5269.520	5289.920	---	---
		5320	20.080	5309.960	5330.040	---	---
11N40SISO	Ant1	5270	40.640	5249.360	5290.000	---	---
		5310	41.120	5289.040	5330.160	---	---
11AC20SISO	Ant1	5260	20.040	5250.000	5270.040	---	---
		5280	19.960	5270.000	5289.960	---	---
		5320	20.000	5310.040	5330.040	---	---
11AC40SISO	Ant1	5270	40.320	5249.520	5289.840	---	---
		5310	40.000	5290.080	5330.080	---	---
11AC80SISO	Ant1	5290	81.760	5248.880	5330.640	---	---

## Test Graphs



11A\_Ant1\_5260



11A\_Ant1\_5280



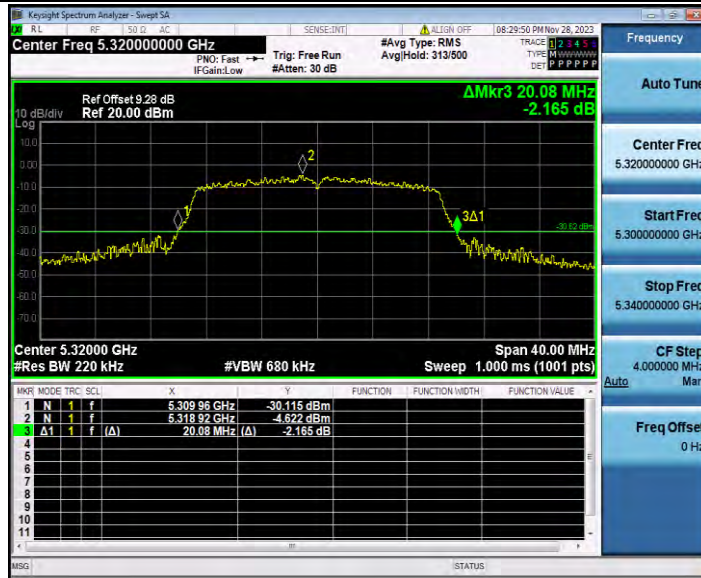
11A\_Ant1\_5320



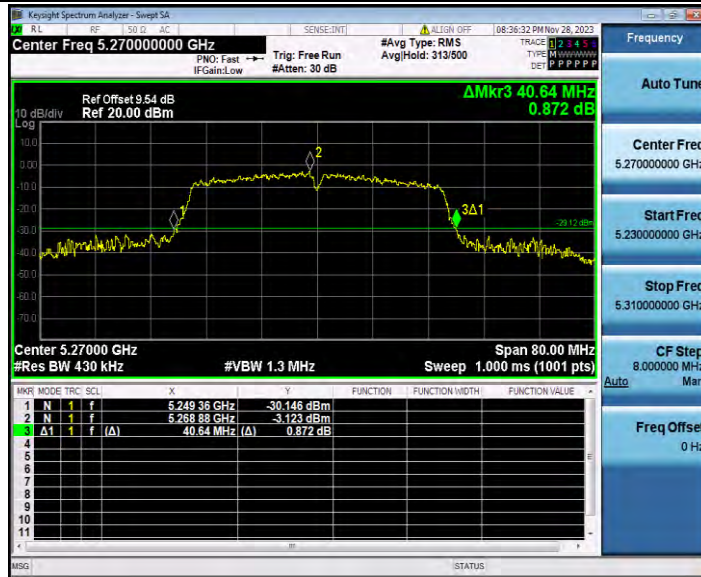
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



11N40SISO\_Ant1\_5270





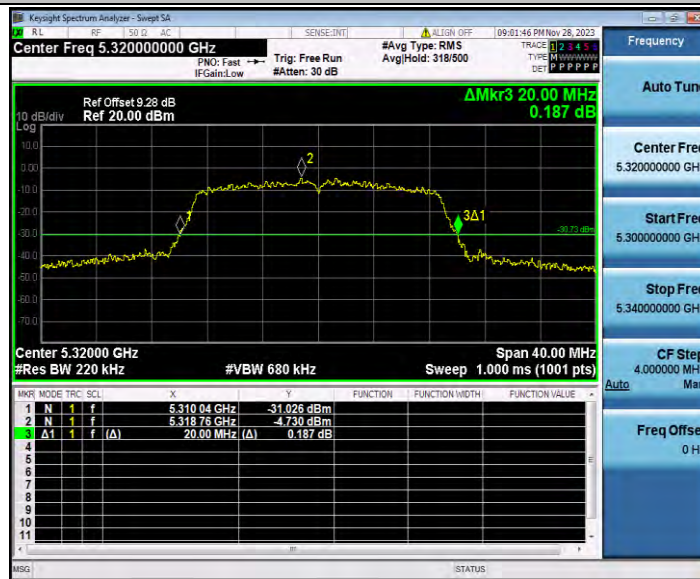
11N40SISO\_Ant1\_5310



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	16.962	5251.440	5268.402	---	---
		5280	17.051	5271.349	5288.400	---	---
		5320	17.068	5311.405	5328.473	---	---
11N20SISO	Ant1	5260	17.806	5251.072	5268.878	---	---
		5280	17.816	5271.034	5288.850	---	---
		5320	17.784	5311.072	5328.856	---	---
11N40SISO	Ant1	5270	36.245	5251.782	5288.027	---	---
		5310	36.405	5291.738	5328.143	---	---
11AC20SISO	Ant1	5260	17.731	5251.127	5268.858	---	---
		5280	17.730	5271.102	5288.832	---	---
		5320	17.731	5311.113	5328.844	---	---
11AC40SISO	Ant1	5270	36.095	5251.866	5287.961	---	---
		5310	36.186	5291.865	5328.051	---	---
11AC80SISO	Ant1	5290	75.912	5251.782	5327.694	---	---



## Test Graphs



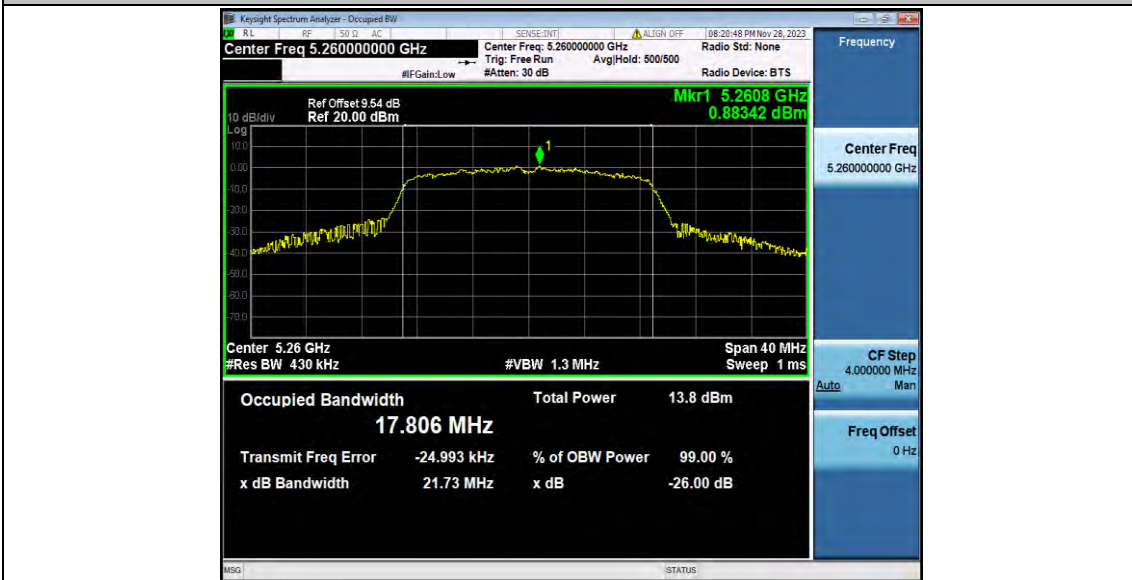
11A\_Ant1\_5260



11A\_Ant1\_5280



11A\_Ant1\_5320



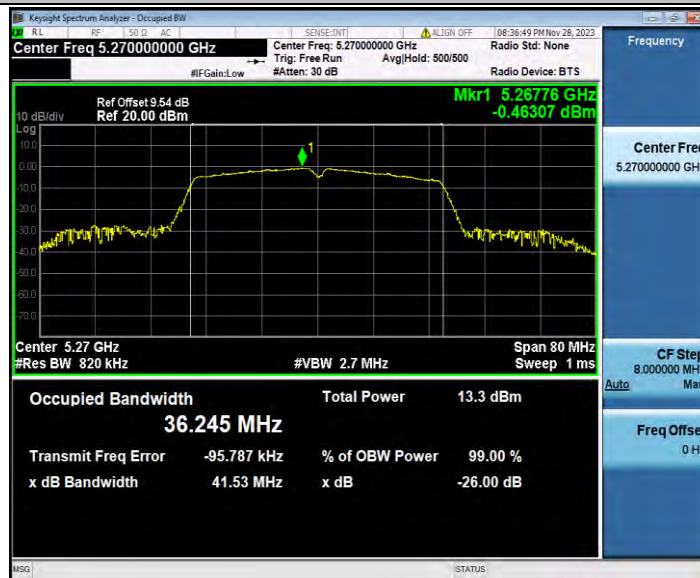
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310



11AC20SISO\_Ant1\_5260

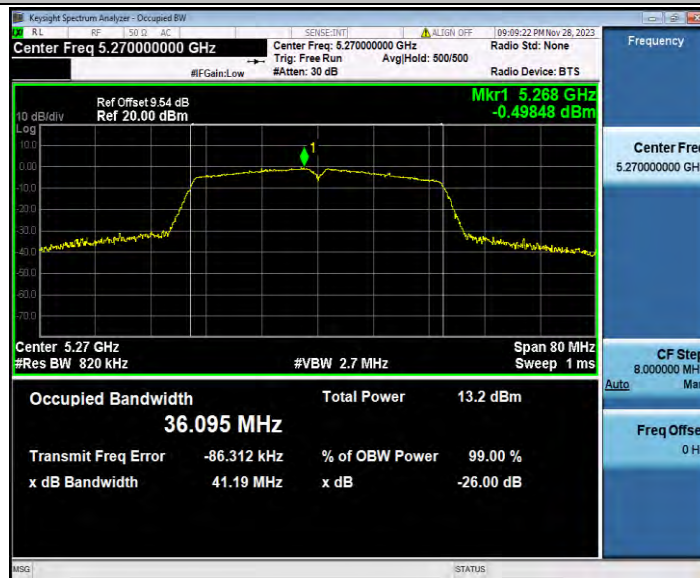




11AC20SISO\_Ant1\_5280



11AC20SISO\_Ant1\_5320

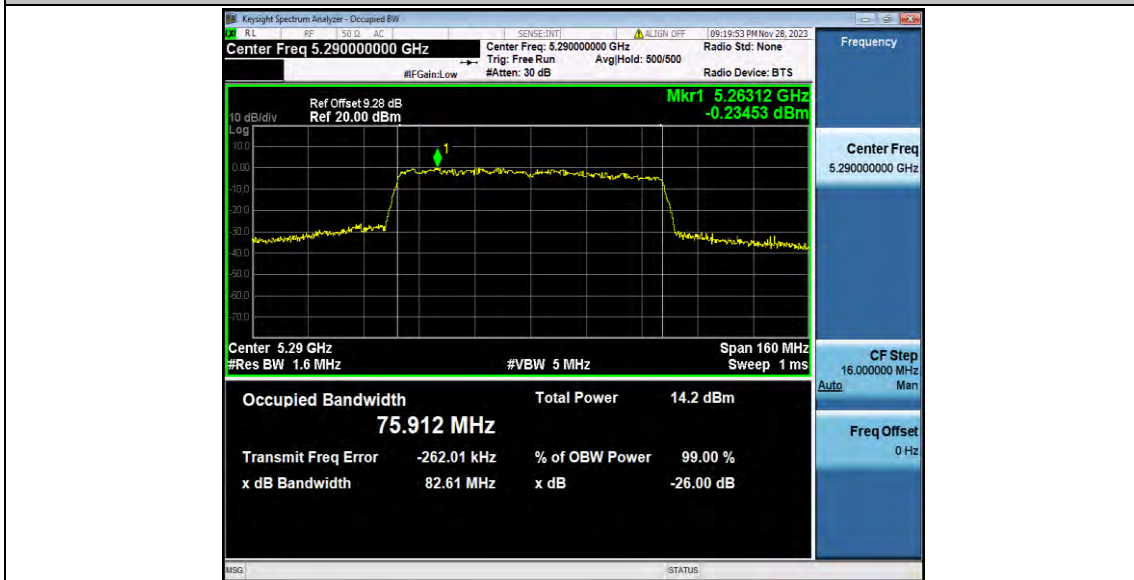


11AC40SISO\_Ant1\_5270





11AC40SISO\_Ant1\_5310



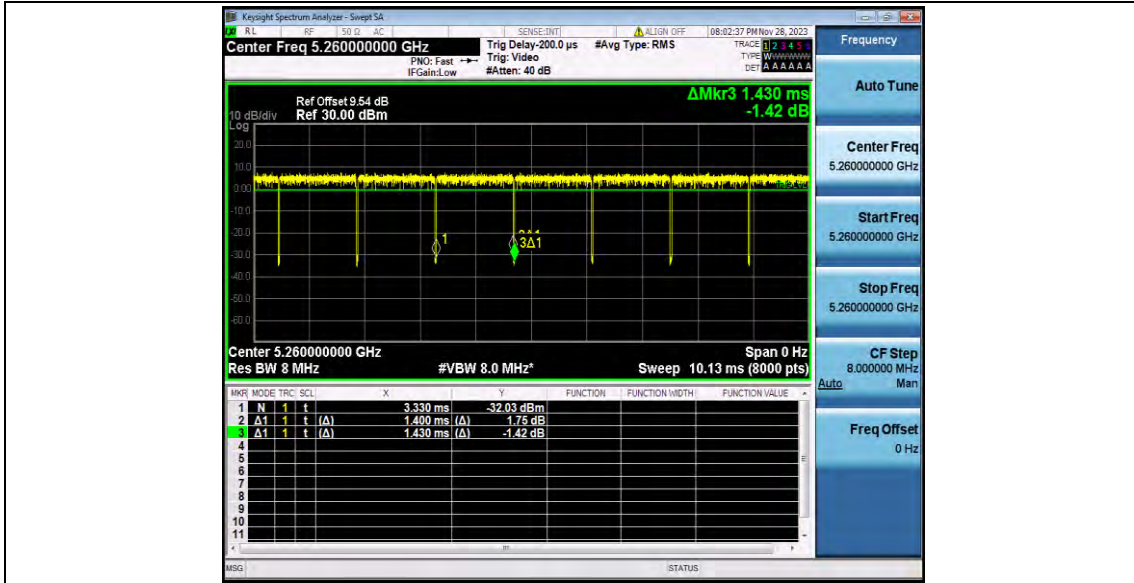
11AC80SISO\_Ant1\_5290

## Appendix E.3: Duty Cycle

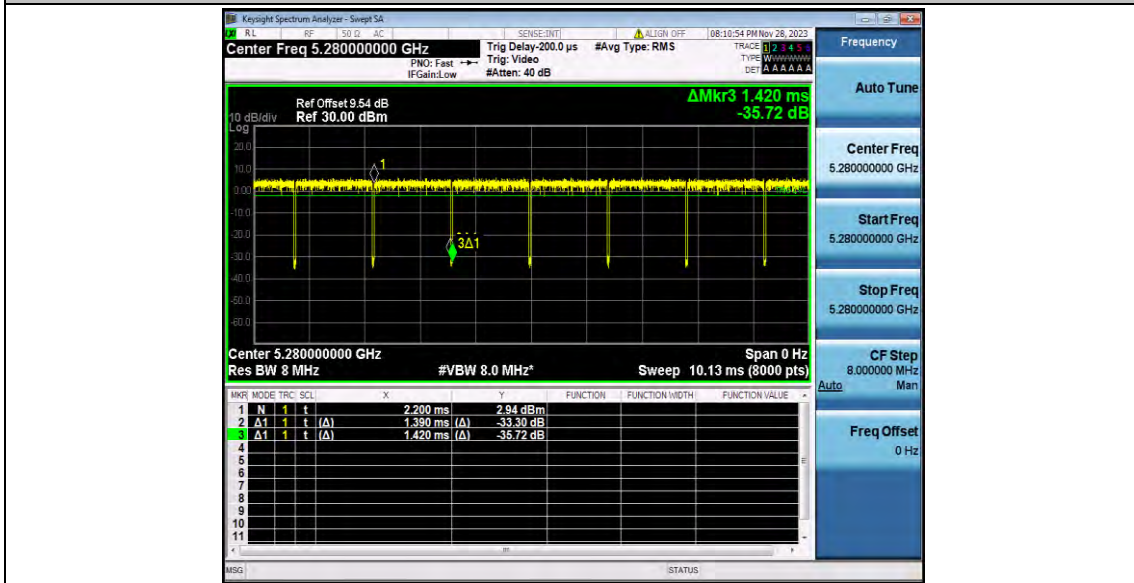
### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.40	1.43	97.90
		5280	1.39	1.42	97.89
		5320	1.39	1.43	97.20
11N20SISO	Ant1	5260	1.30	1.33	97.74
		5280	1.30	1.33	97.74
		5320	1.30	1.34	97.01
11N40SISO	Ant1	5270	0.65	0.69	94.20
		5310	0.65	0.68	95.59
11AC20SISO	Ant1	5260	1.31	1.34	97.76
		5280	1.31	1.35	97.04
		5320	1.31	1.35	97.04
11AC40SISO	Ant1	5270	0.65	0.69	94.20
		5310	0.65	0.69	94.20
11AC80SISO	Ant1	5290	0.32	0.36	88.89

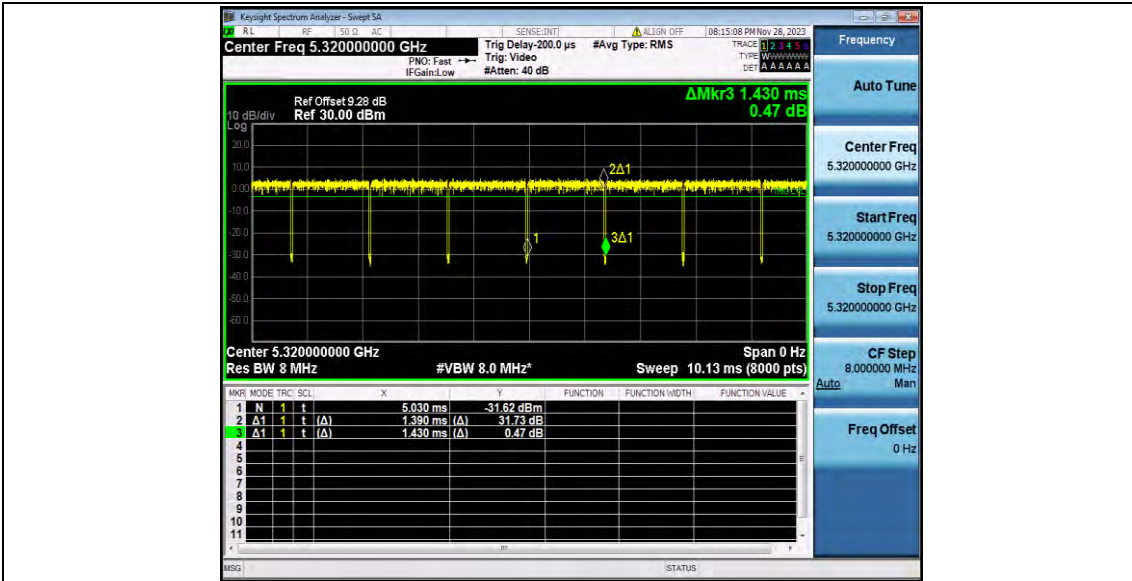
## Test Graphs



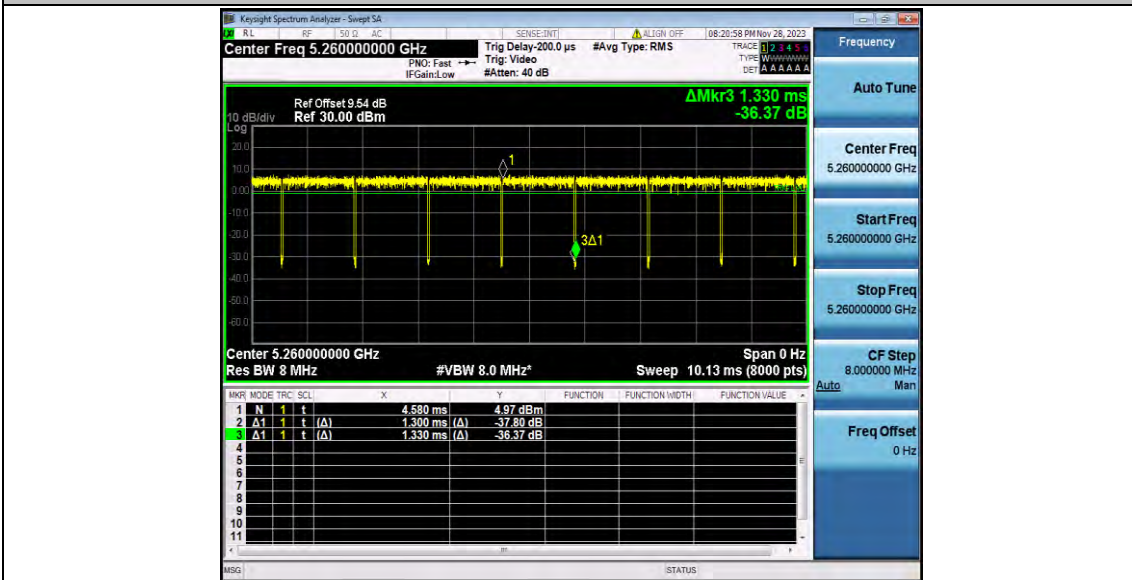
11A\_Ant1\_5260



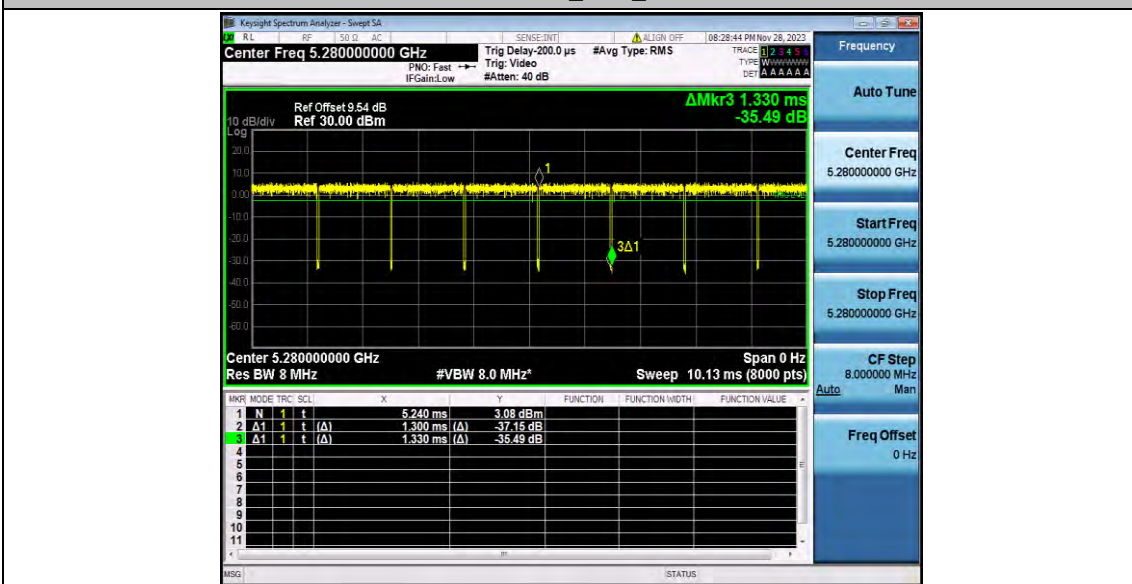
11A\_Ant1\_5280



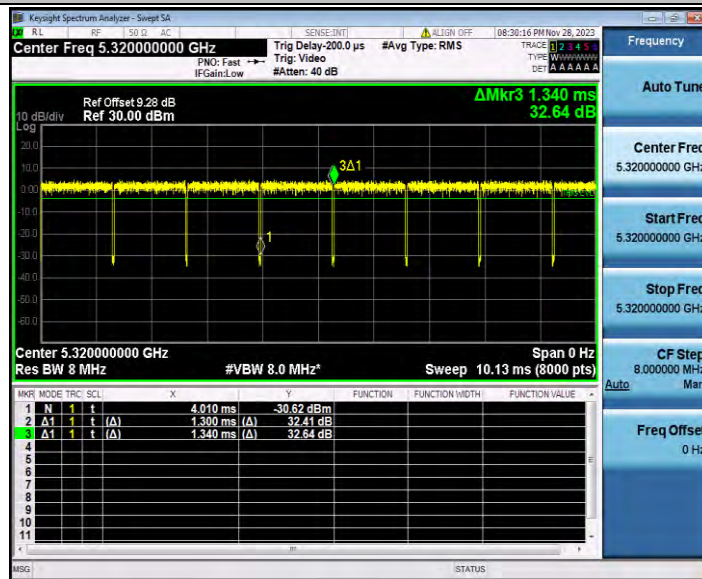
11A\_Ant1\_5320



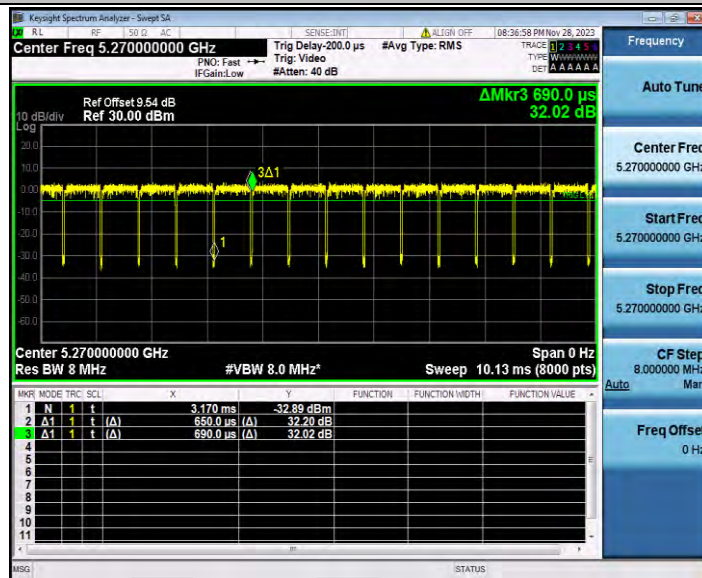
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280

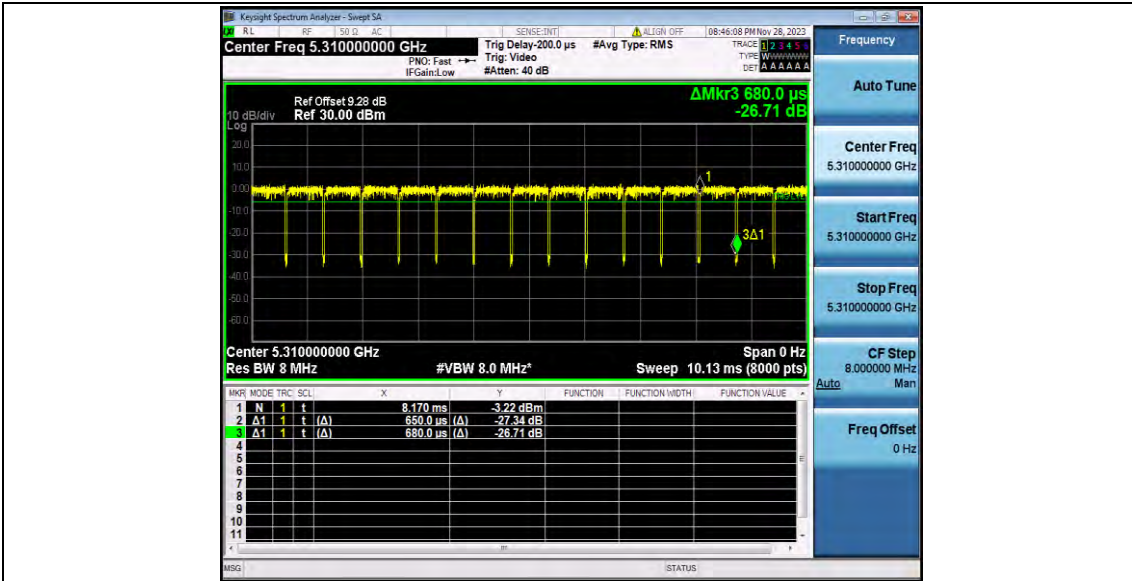


11N20SISO\_Ant1\_5320

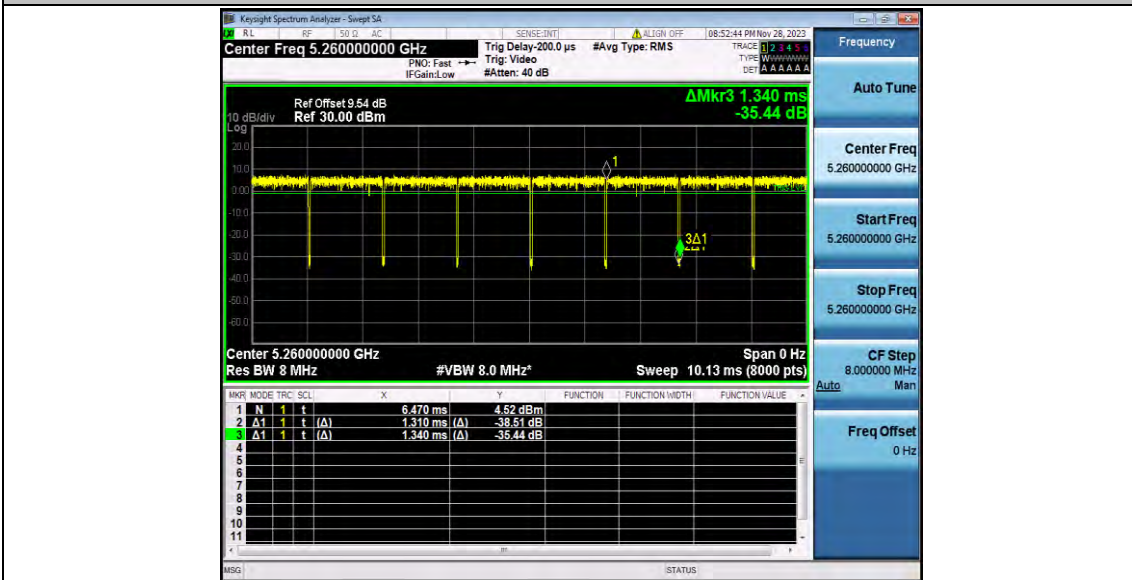


11N40SISO\_Ant1\_5270

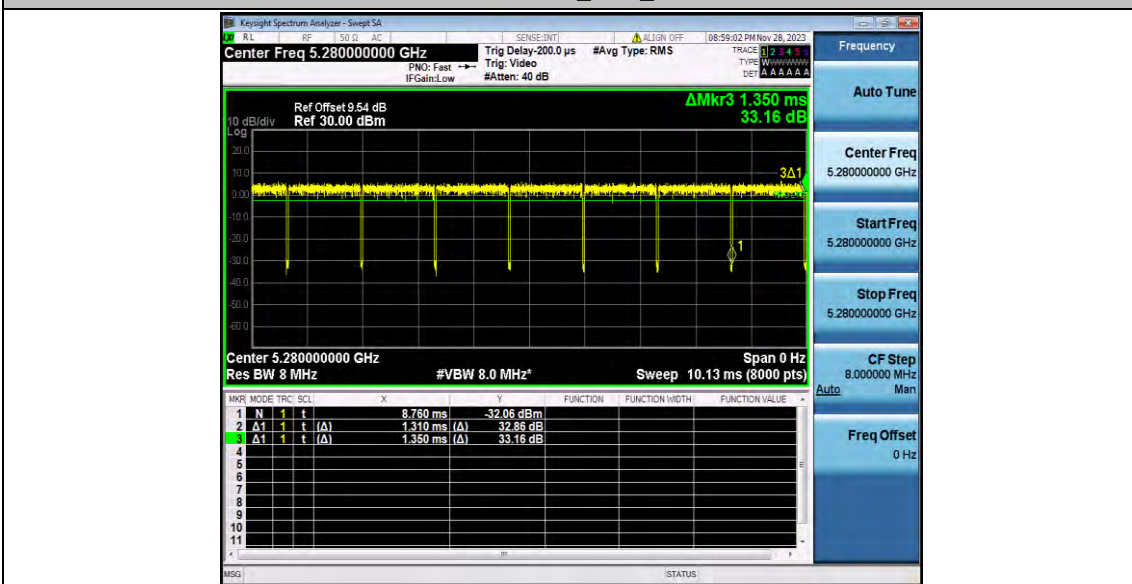




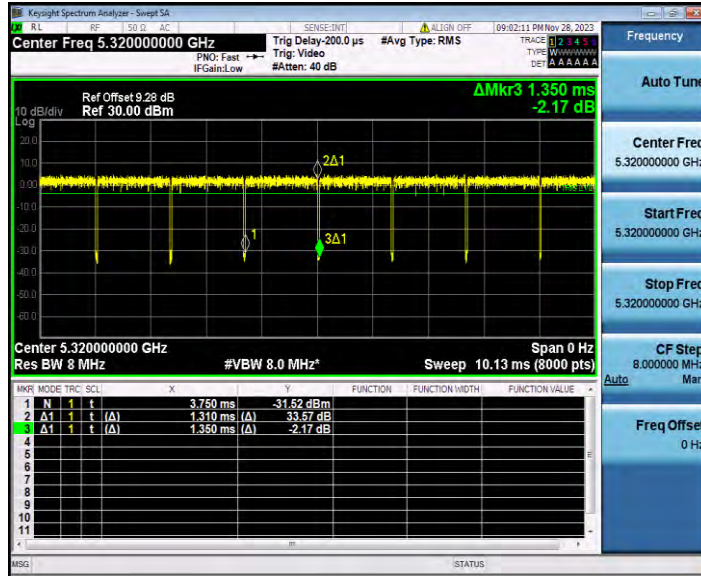
11N40SISO\_Ant1\_5310



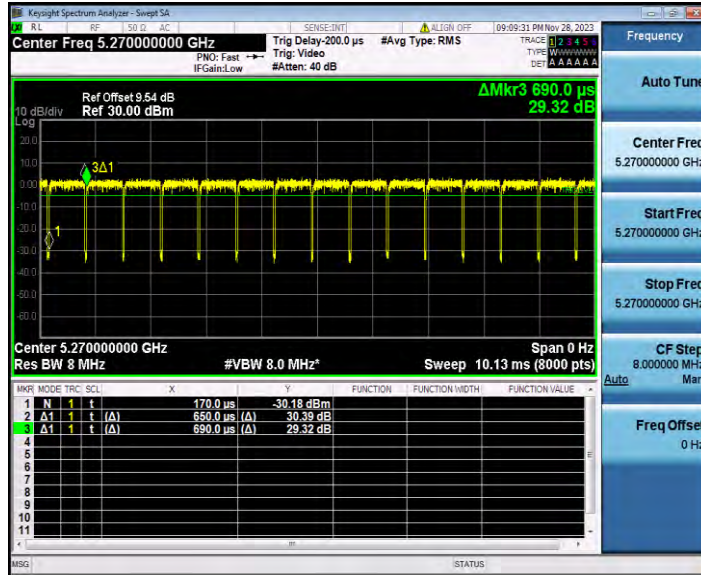
11AC20SISO\_Ant1\_5260



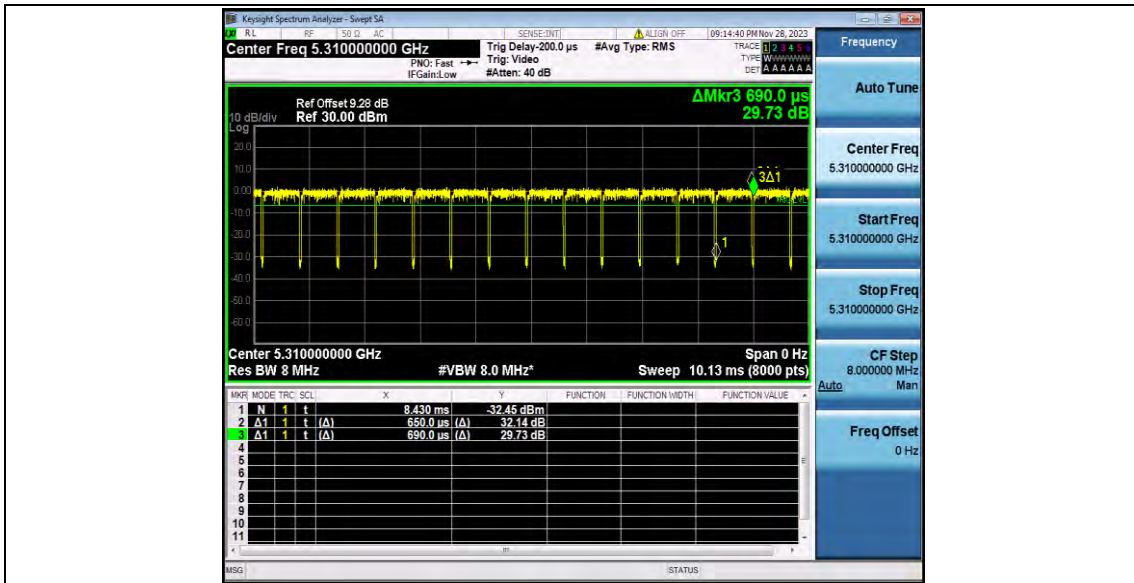
11AC20SISO\_Ant1\_5280



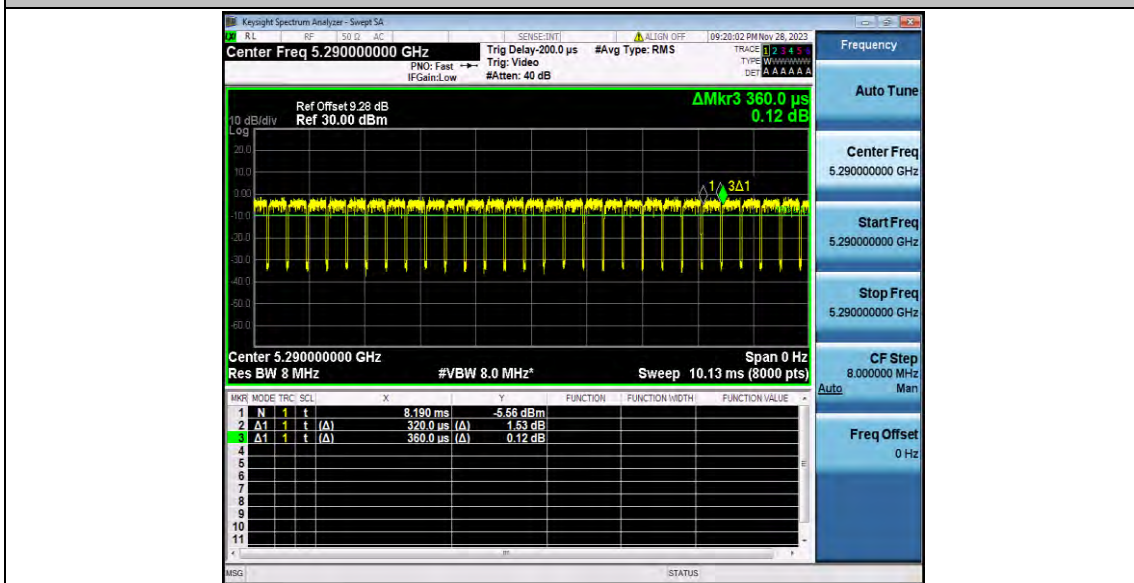
11AC20SISO\_Ant1\_5320



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	7.09	97.90	0.09	7.18	≤23.98	PASS
		5280	6.66	97.89	0.09	6.75	≤23.98	PASS
		5320	6.28	97.20	0.12	6.40	≤23.98	PASS
11N20SISO	Ant1	5260	6.97	97.74	0.10	7.07	≤23.98	PASS
		5280	6.52	97.74	0.10	6.62	≤23.98	PASS
		5320	6.19	97.01	0.13	6.32	≤23.98	PASS
11N40SISO	Ant1	5270	5.92	94.20	0.26	6.18	≤23.98	PASS
		5310	6.65	95.59	0.20	6.85	≤23.98	PASS
11AC20SISO	Ant1	5260	6.99	97.76	0.10	7.09	≤23.98	PASS
		5280	6.56	97.04	0.13	6.69	≤23.98	PASS
		5320	6.23	97.04	0.13	6.36	≤23.98	PASS
11AC40SISO	Ant1	5270	6.72	94.20	0.26	6.98	≤23.98	PASS
		5310	6.28	94.20	0.26	6.54	≤23.98	PASS
11AC80SISO	Ant1	5290	6.92	88.89	0.51	6.43	≤23.98	PASS

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

## Appendix E.5: Maximum power spectral density

### Test Result

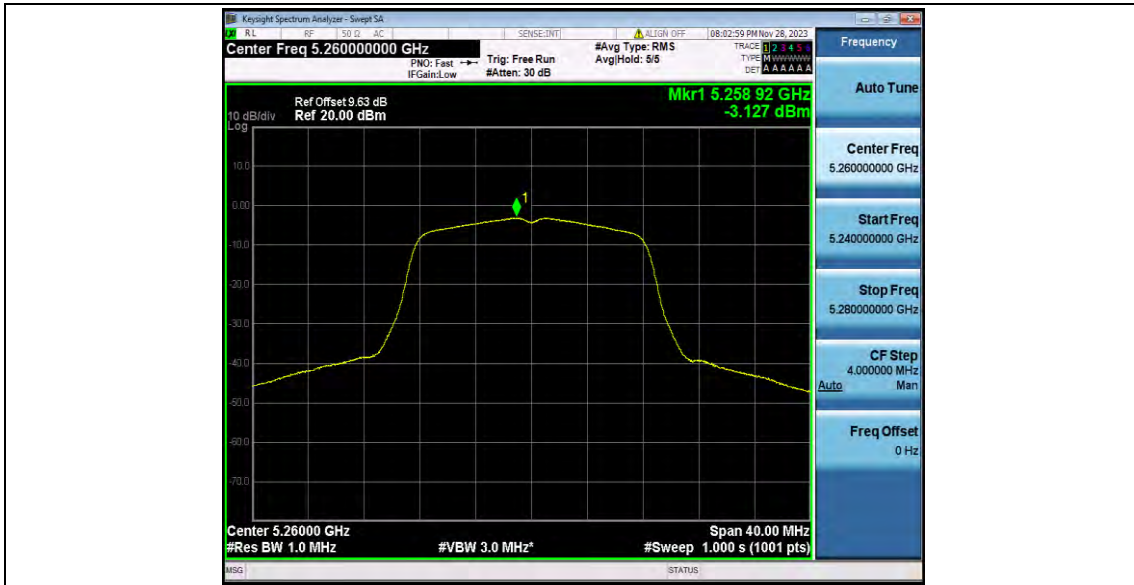
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	-3.13	≤11.00	PASS
		5280	-4.49	≤11.00	PASS
		5320	-5.78	≤11.00	PASS
11N20SISO	Ant1	5260	-3.44	≤11.00	PASS
		5280	-4.86	≤11.00	PASS
		5320	-6.17	≤11.00	PASS
11N40SISO	Ant1	5270	-7.02	≤11.00	PASS
		5310	-8.4	≤11.00	PASS
11AC20SISO	Ant1	5260	-3.41	≤11.00	PASS
		5280	-4.76	≤11.00	PASS
		5320	-6.11	≤11.00	PASS
11AC40SISO	Ant1	5270	-6.98	≤11.00	PASS
		5310	-8.76	≤11.00	PASS
11AC80SISO	Ant1	5290	-12.07	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

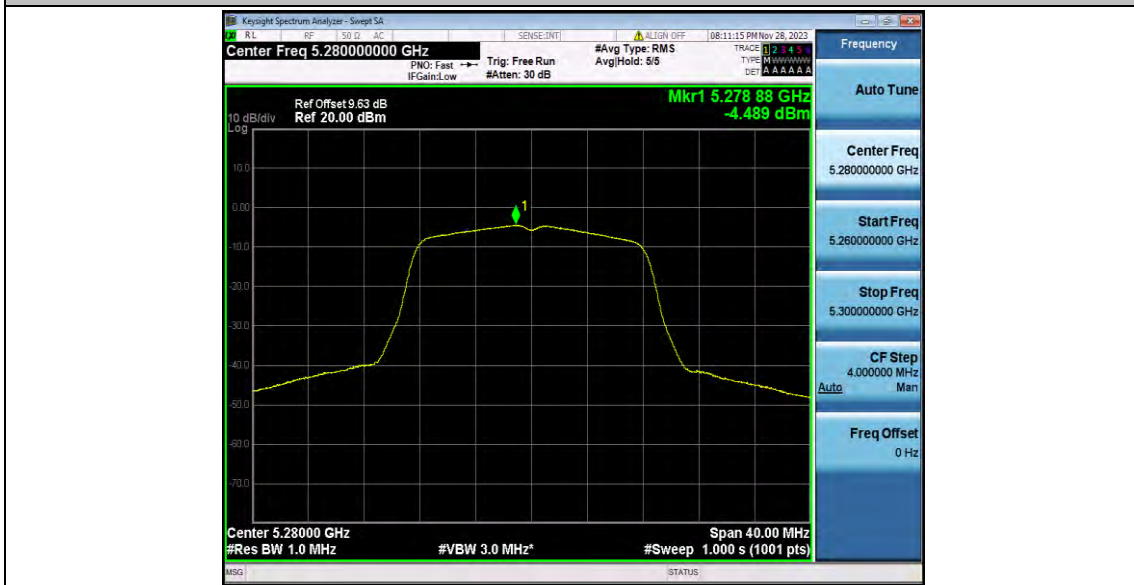
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



## Test Graphs



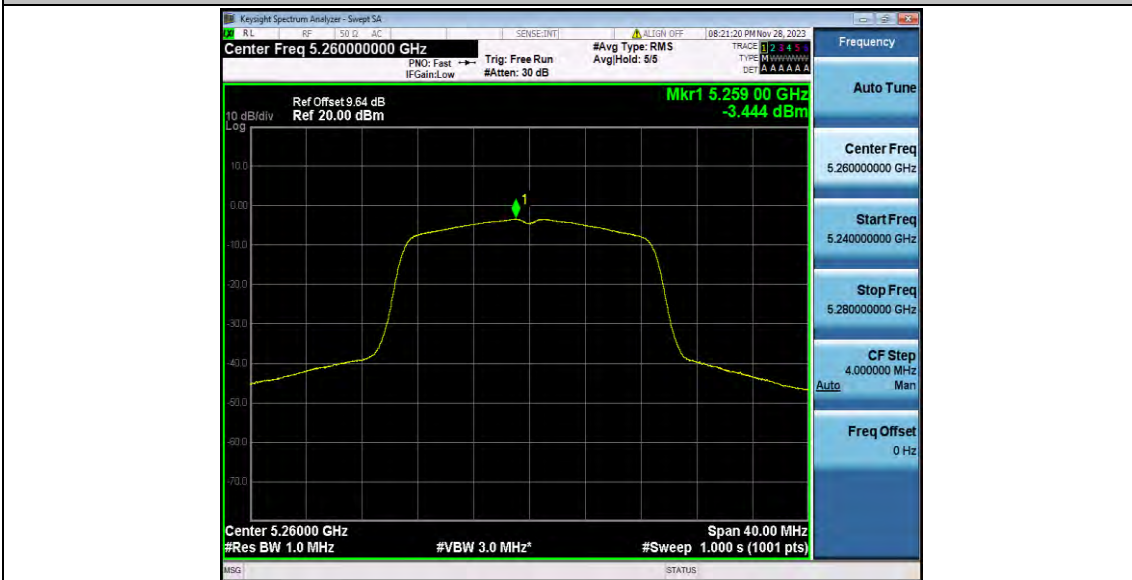
11A\_Ant1\_5260



11A\_Ant1\_5280



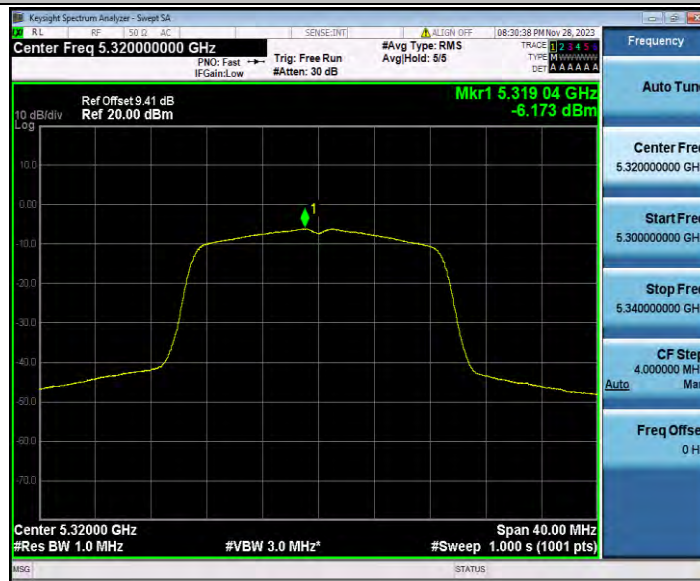
11A\_Ant1\_5320



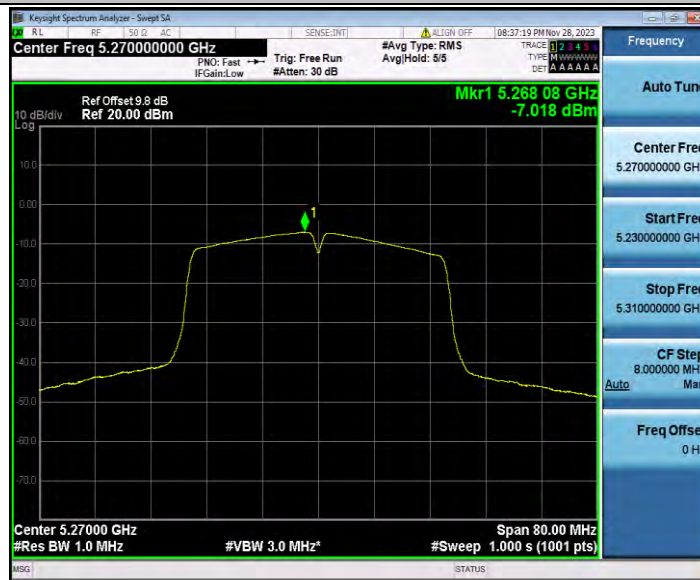
11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310

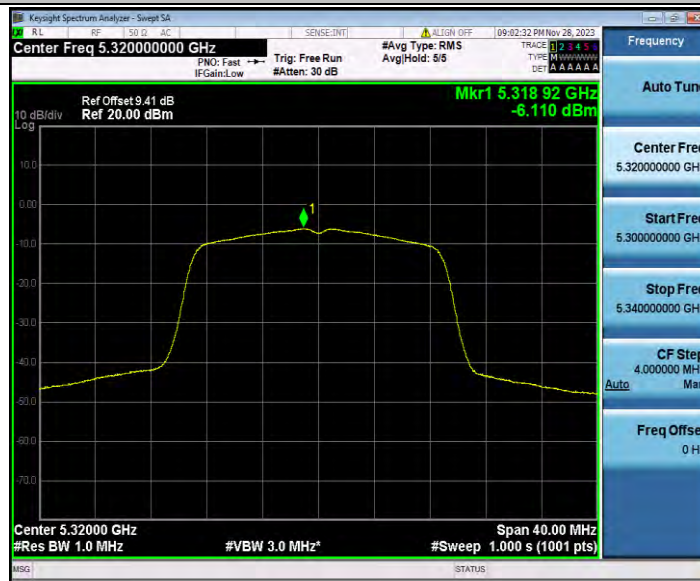


11AC20SISO\_Ant1\_5260





11AC20SISO\_Ant1\_5280



11AC20SISO\_Ant1\_5320



11AC40SISO\_Ant1\_5270





11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290