

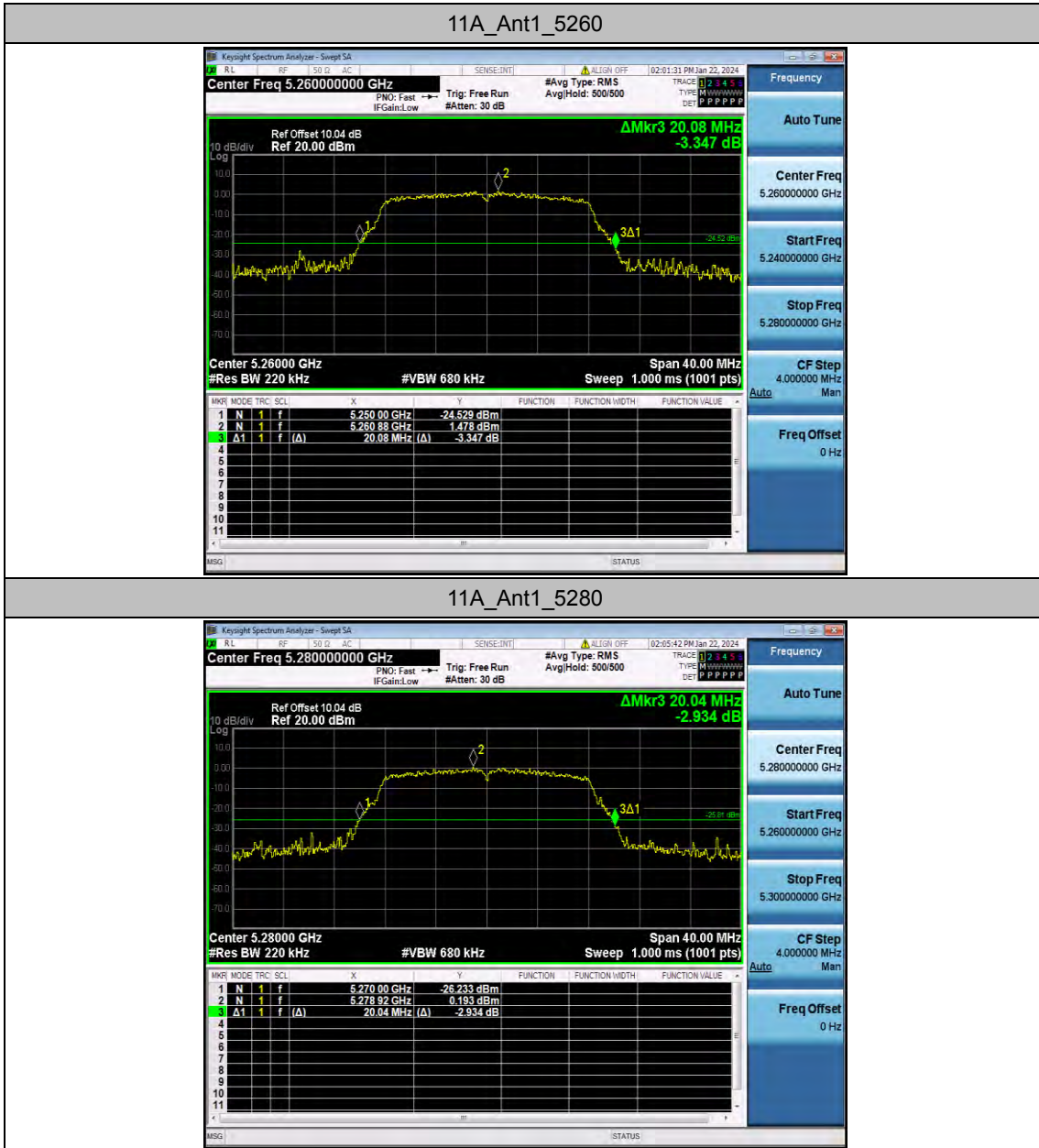
<b>Case No. :</b> <u>GTS20231018011-1-67</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH
<b>According Standard:</b> ■Part15E
<b>Test Date:</b> <u>2024.1.22</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

## Appendix E.1: Emission Bandwidth

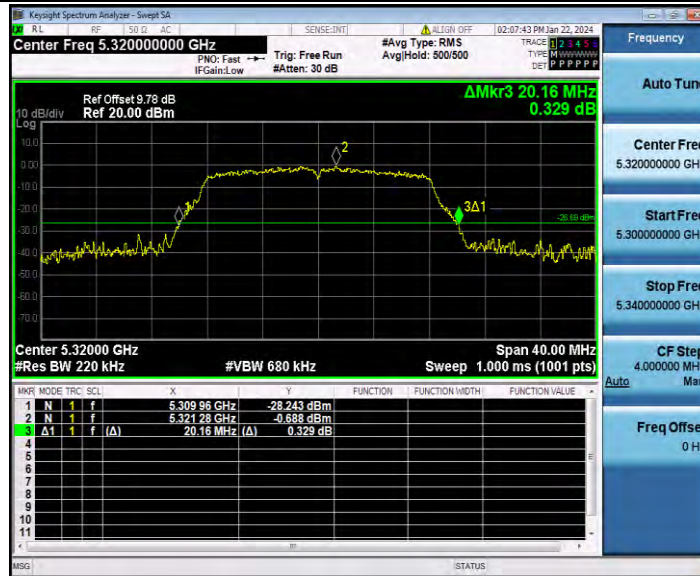
### Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.080	5250.000	5270.080	---	---
		5280	20.040	5270.000	5290.040	---	---
		5320	20.160	5309.960	5330.120	---	---
11N20SISO	Ant1	5260	20.480	5249.760	5270.240	---	---
		5280	20.320	5269.760	5290.080	---	---
		5320	20.400	5309.800	5330.200	---	---
11N40SISO	Ant1	5270	40.480	5249.680	5290.160	---	---
		5310	40.320	5289.760	5330.080	---	---
11AC20SISO	Ant1	5260	20.280	5249.840	5270.120	---	---
		5280	20.160	5269.920	5290.080	---	---
		5320	20.480	5309.840	5330.320	---	---
11AC40SISO	Ant1	5270	40.320	5249.840	5290.160	---	---
		5310	40.720	5289.600	5330.320	---	---
11AC80SISO	Ant1	5290	81.120	5249.040	5330.160	---	---

## Test Graphs



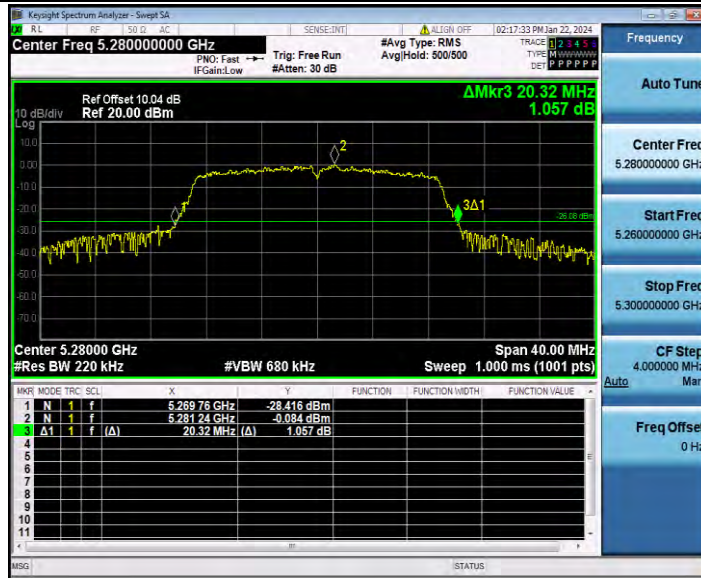
11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



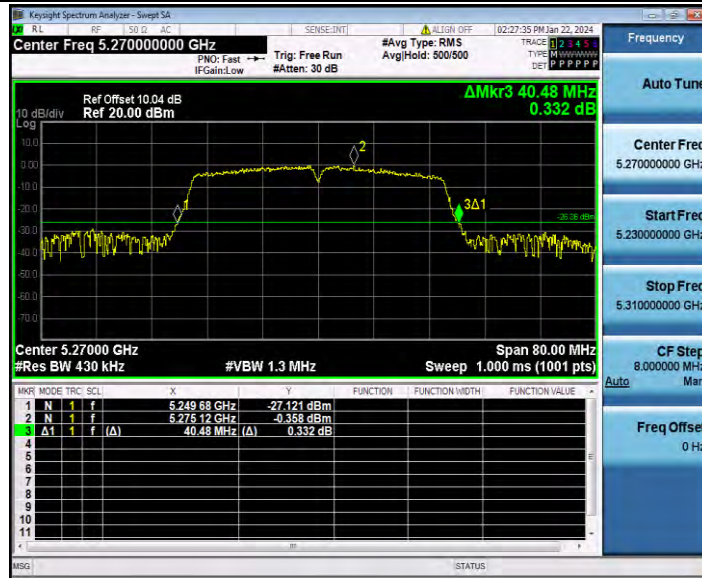
11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



11N40SISO\_Ant1\_5270



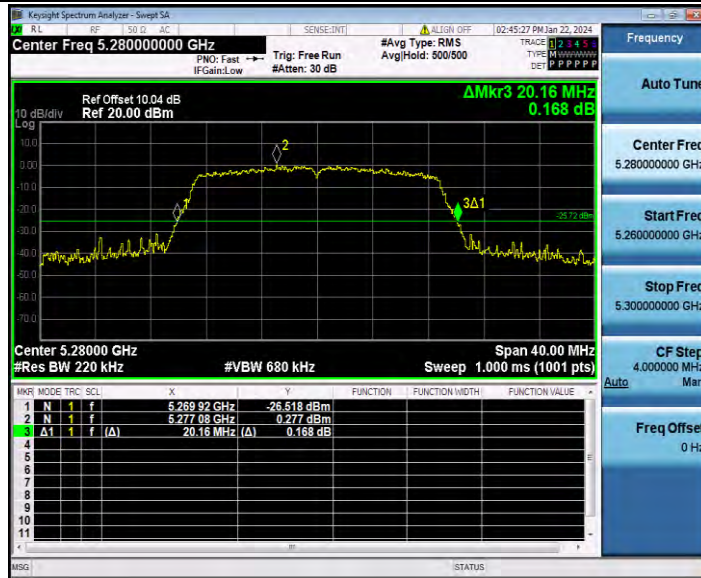
11N40SISO\_Ant1\_5310



11AC20SISO\_Ant1\_5260



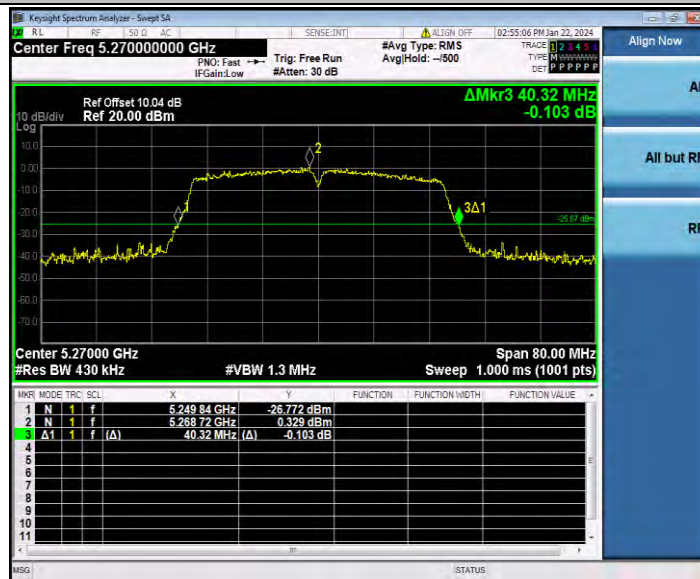
11AC20SISO\_Ant1\_5280



11AC20SISO\_Ant1\_5320



11AC40SISO\_Ant1\_5270



11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290



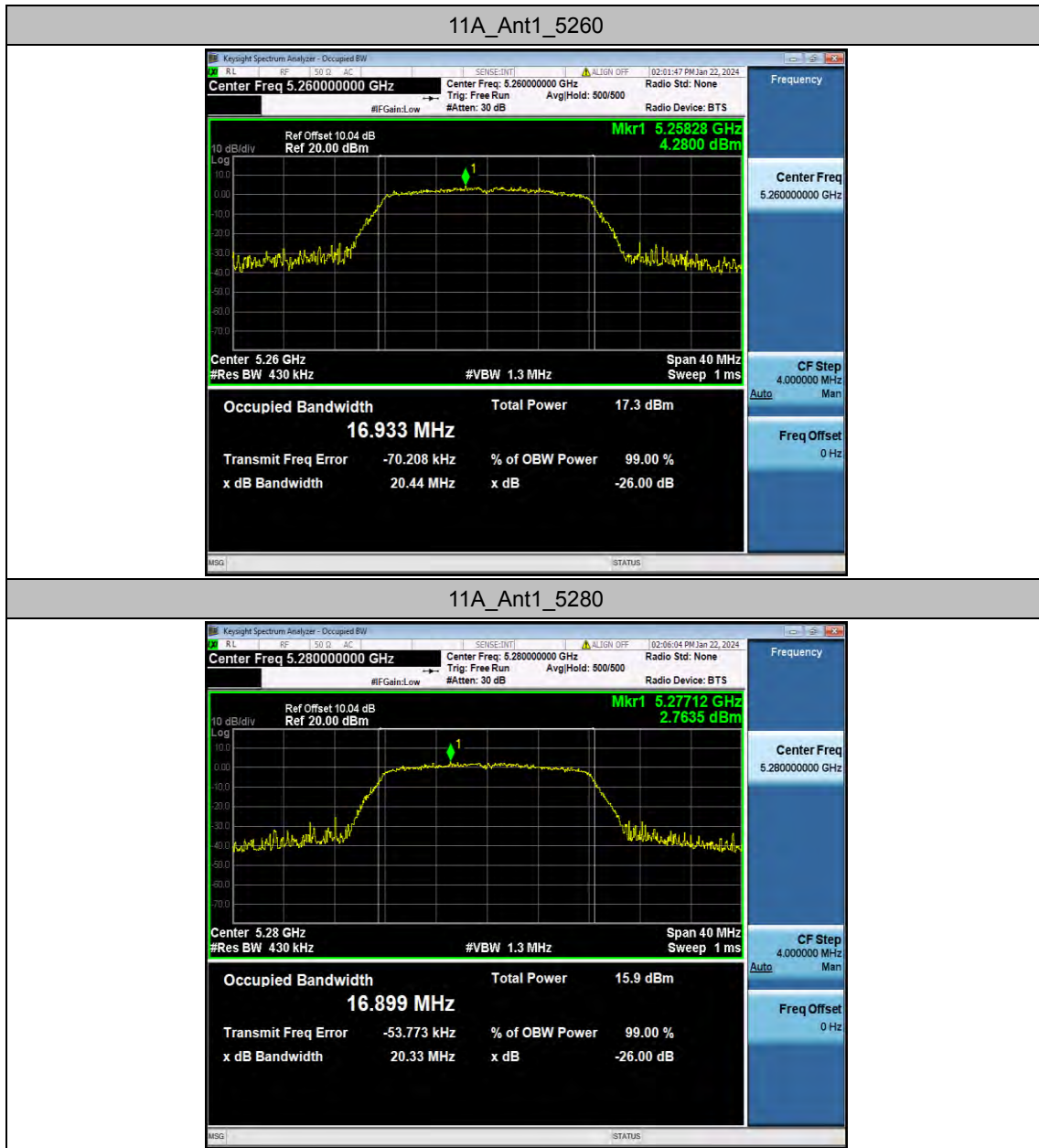


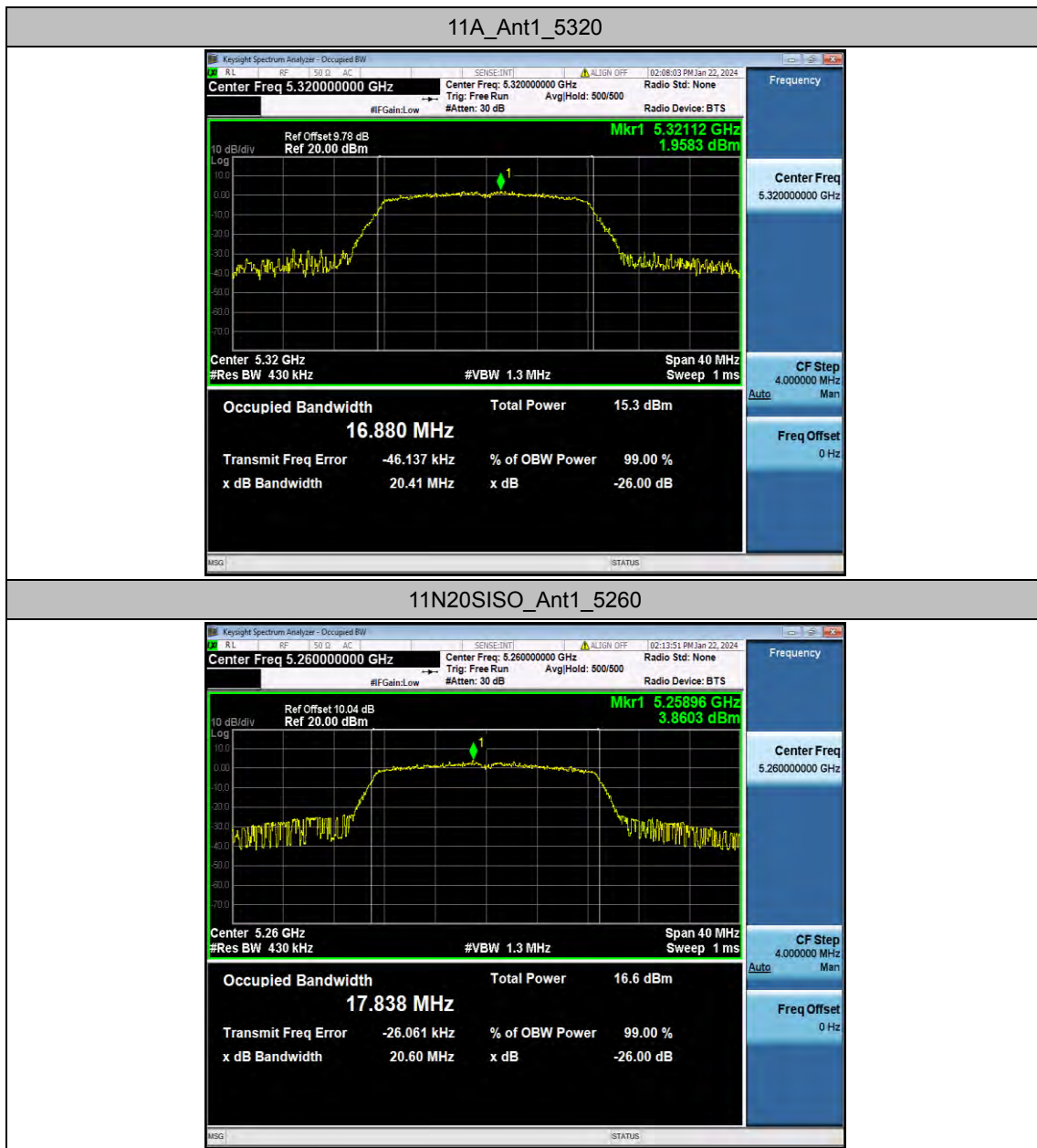
## Appendix E.2: Occupied channel bandwidth

### Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.933	5251.4633	5268.3963	---	---
		5280	16.899	5271.4967	5288.3957	---	---
		5320	16.880	5311.5139	5328.3939	---	---
11N20SISO	Ant1	5260	17.838	5251.0549	5268.8929	---	---
		5280	17.920	5270.9949	5288.9149	---	---
		5320	17.920	5311.0090	5328.9290	---	---
11N40SISO	Ant1	5270	36.326	5251.7234	5288.0494	---	---
		5310	36.424	5291.7157	5328.1397	---	---
11AC20SISO	Ant1	5260	17.822	5251.0678	5268.8898	---	---
		5280	17.843	5271.0378	5288.8808	---	---
		5320	17.878	5311.0366	5328.9146	---	---
11AC40SISO	Ant1	5270	36.233	5251.8040	5288.0370	---	---
		5310	36.234	5291.8660	5328.1000	---	---
11AC80SISO	Ant1	5290	75.303	5252.1527	5327.4557	---	---

## Test Graphs

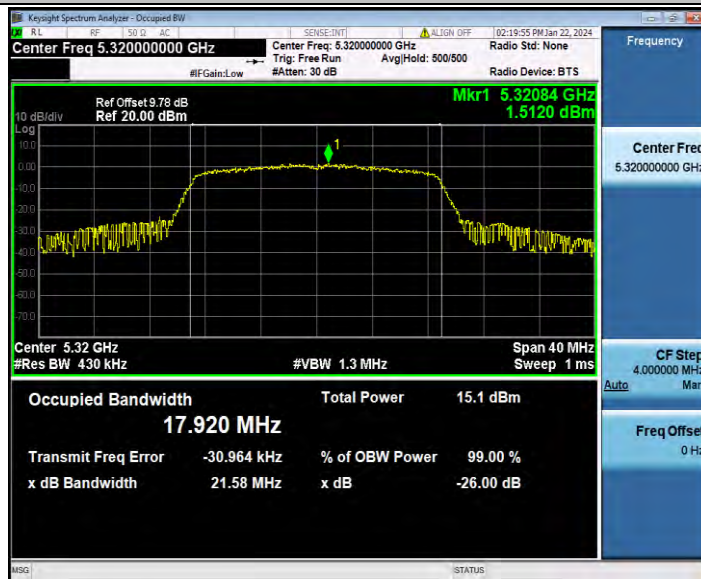




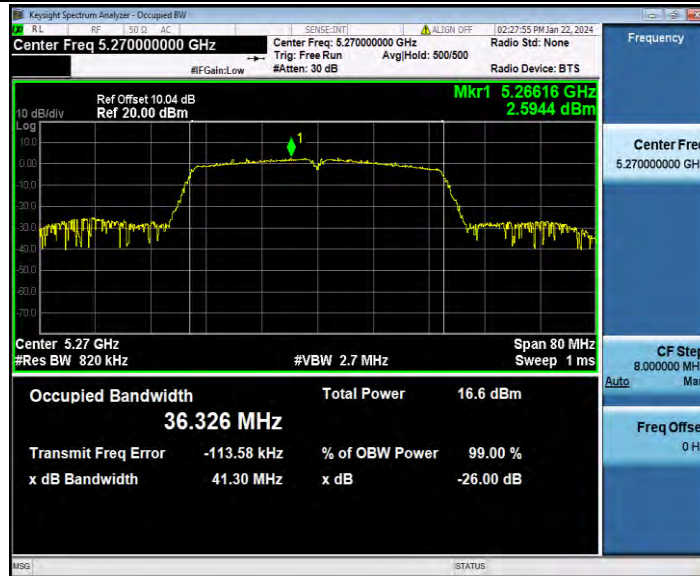
11N20SISO\_Ant1\_5280



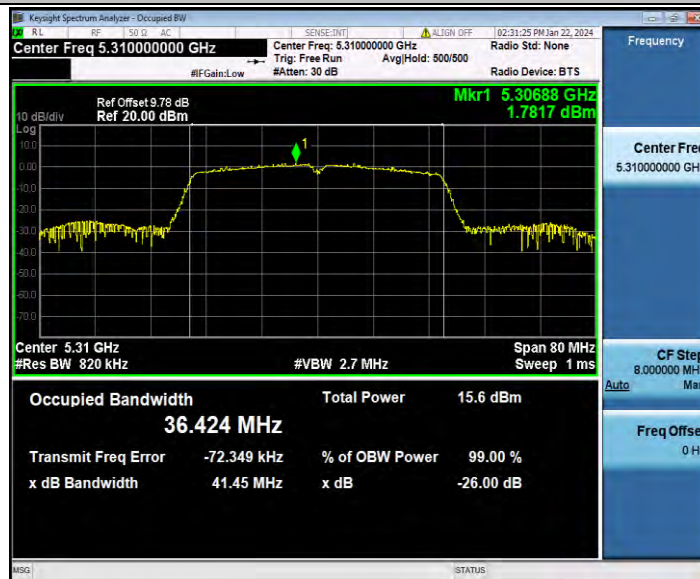
11N20SISO\_Ant1\_5320



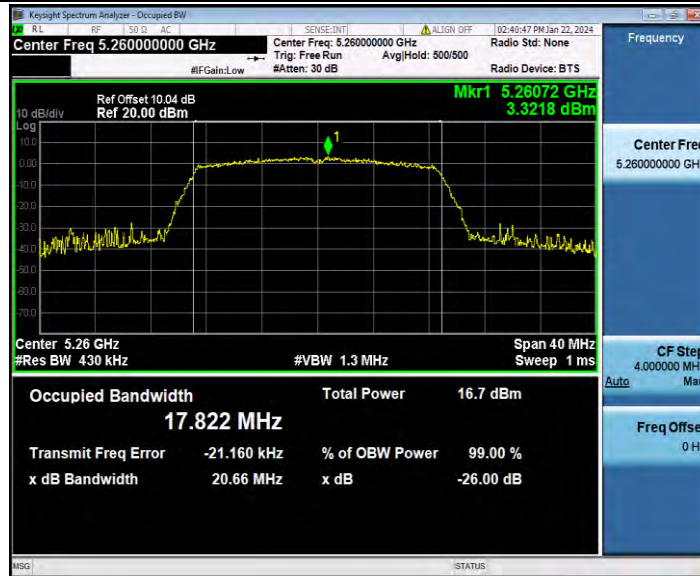
11N40SISO\_Ant1\_5270



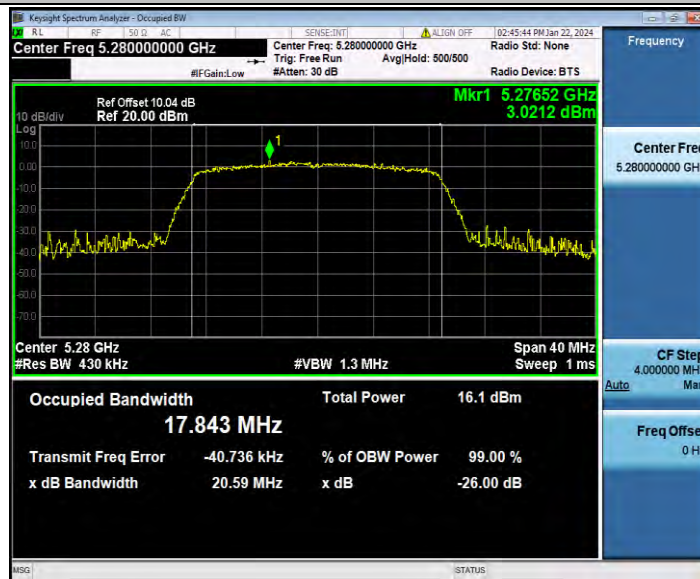
11N40SISO\_Ant1\_5310



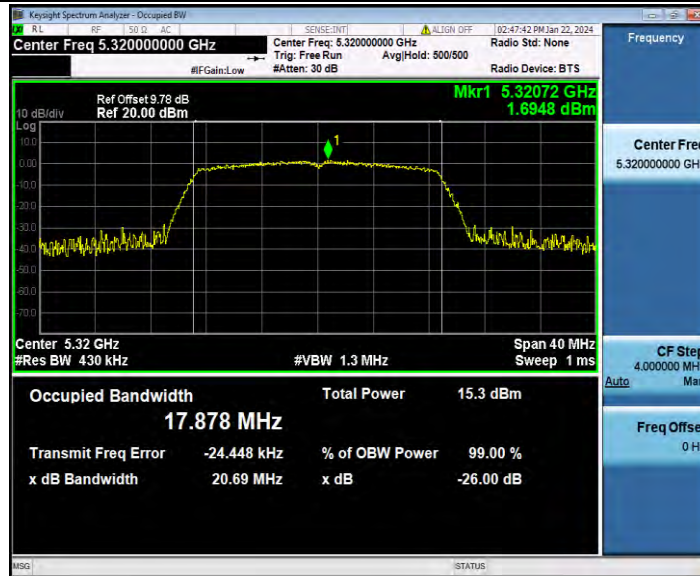
11AC20SISO\_Ant1\_5260



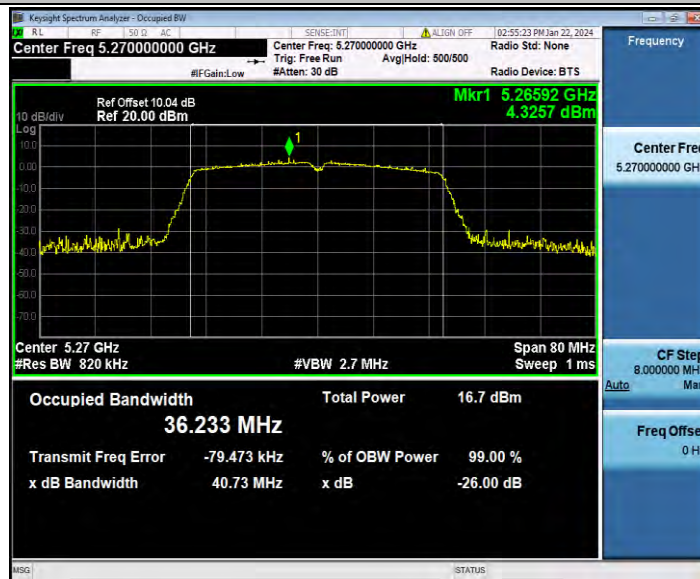
11AC20SISO\_Ant1\_5280



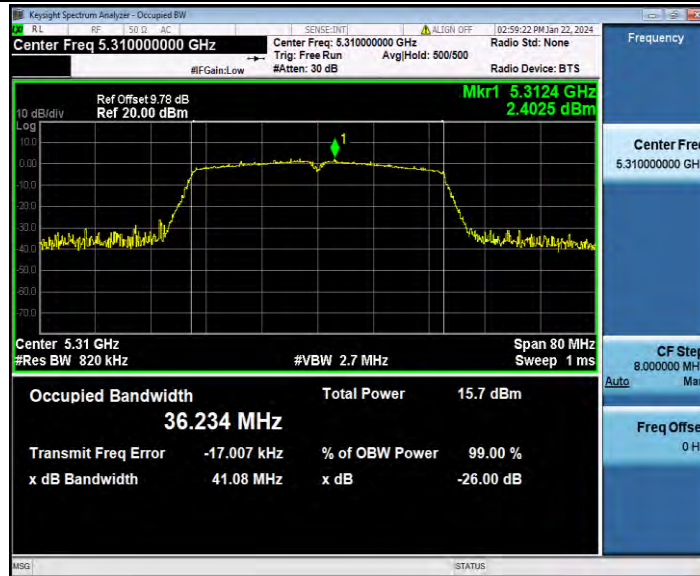
11AC20SISO\_Ant1\_5320



11AC40SISO\_Ant1\_5270



11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290



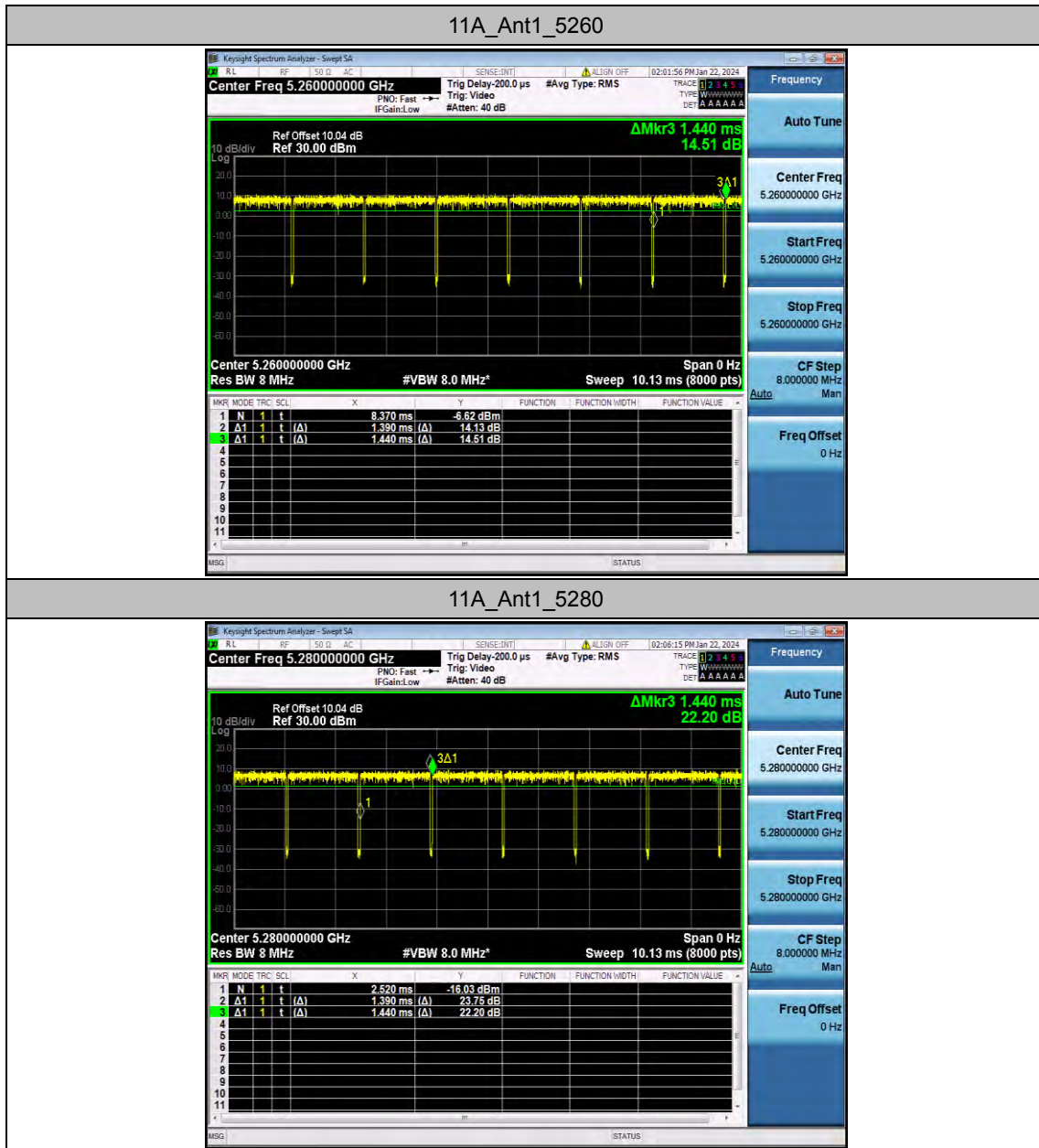


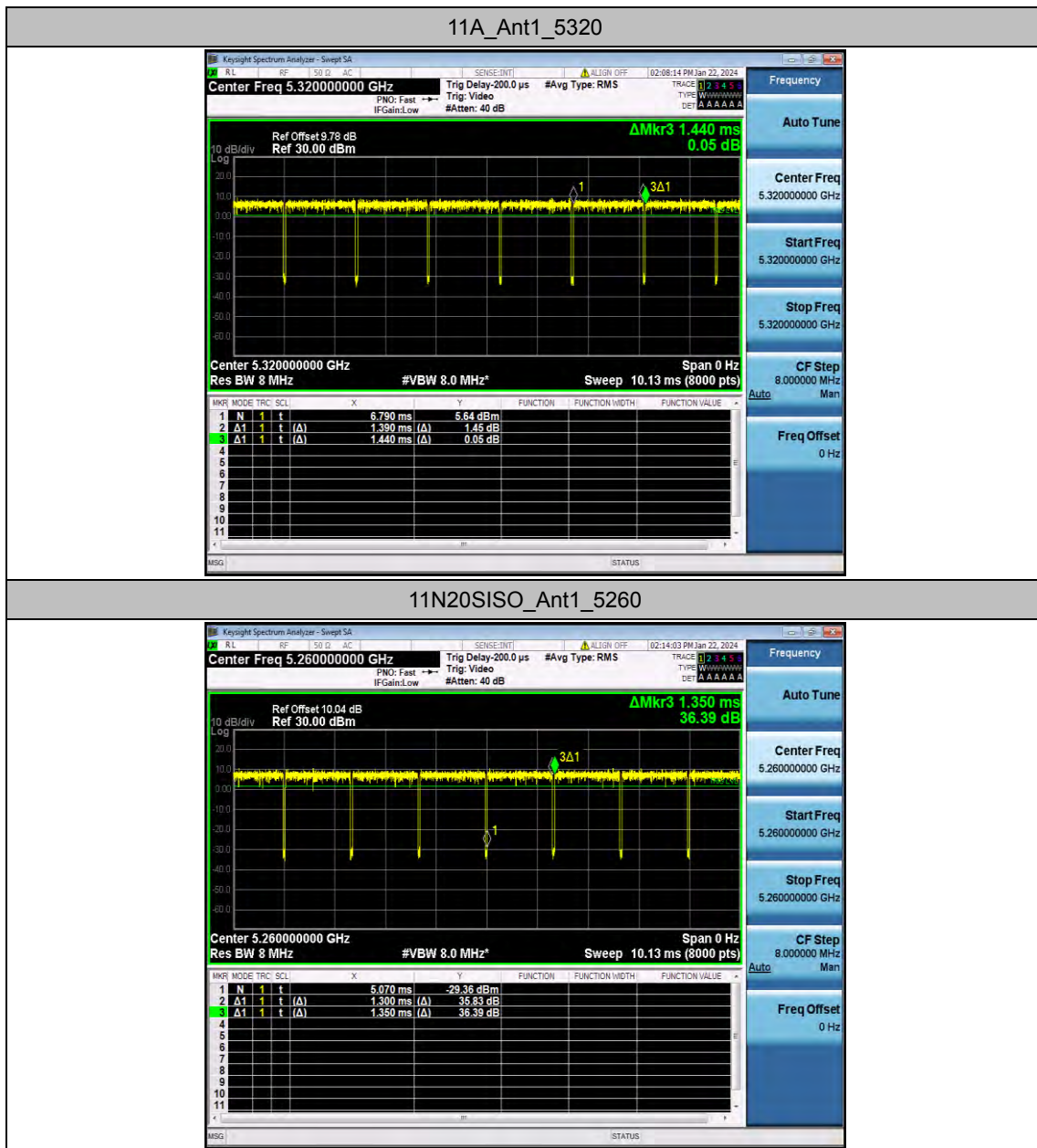
## Appendix E.3: Duty Cycle

### Test Result

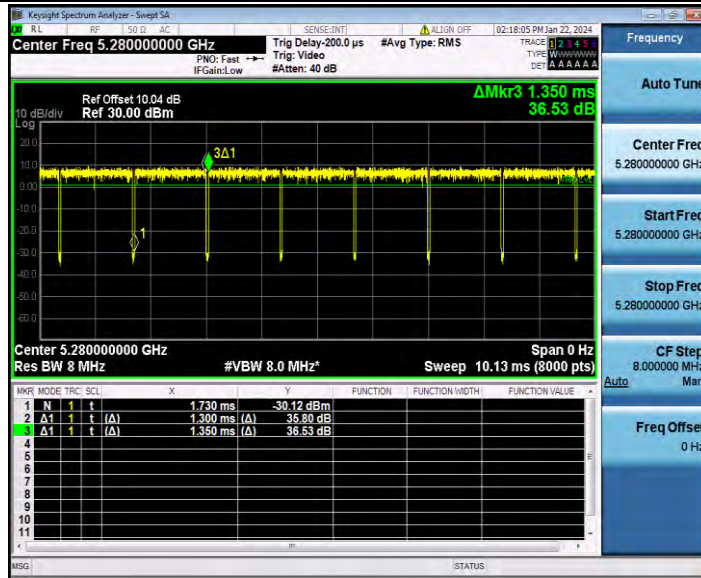
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	1.39	1.44	96.53	0.15	0.72
		5280	1.39	1.44	96.53	0.15	0.72
		5320	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant1	5260	1.30	1.35	96.30	0.16	0.77
		5280	1.30	1.35	96.30	0.16	0.77
		5320	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5270	0.64	0.69	92.75	0.33	1.56
		5310	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5260	1.31	1.36	96.32	0.16	0.76
		5280	1.31	1.35	97.04	0.13	0.76
		5320	1.31	1.36	96.32	0.16	0.76
11AC40SISO	Ant1	5270	0.66	0.70	94.29	0.26	1.52
		5310	0.66	0.70	94.29	0.26	1.52
11AC80SISO	Ant1	5290	0.33	0.37	89.19	0.50	3.03

## Test Graphs

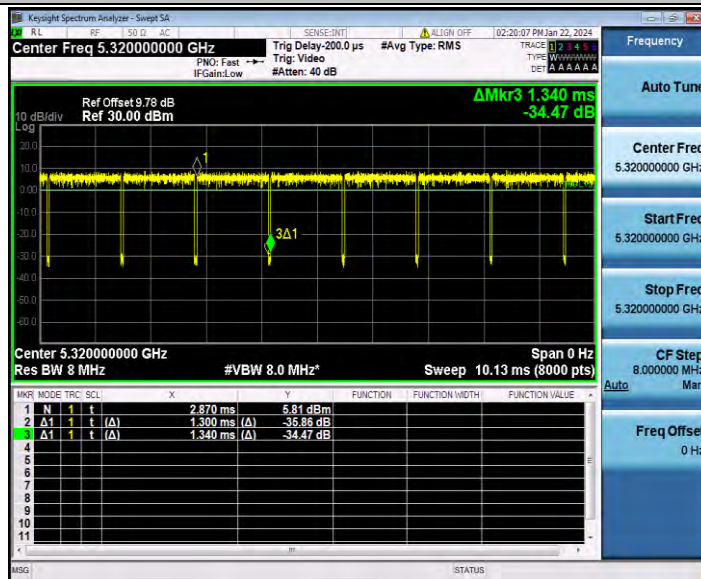




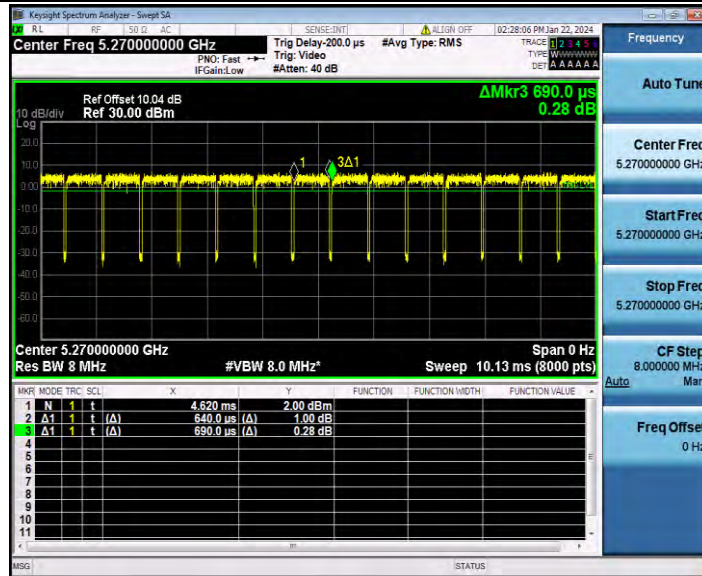
11N20SISO\_Ant1\_5280



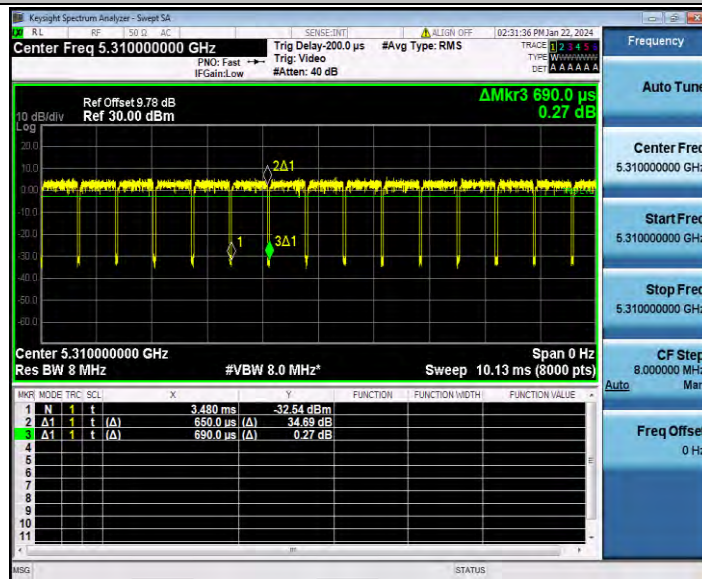
11N20SISO\_Ant1\_5320



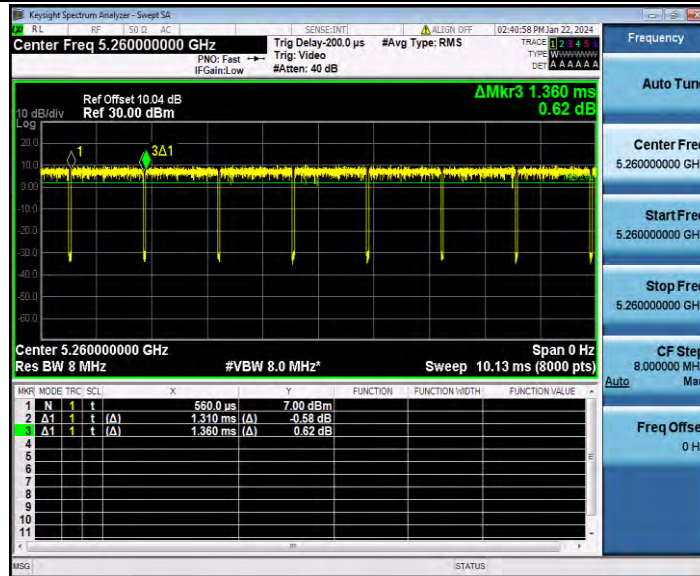
11N40SISO\_Ant1\_5270



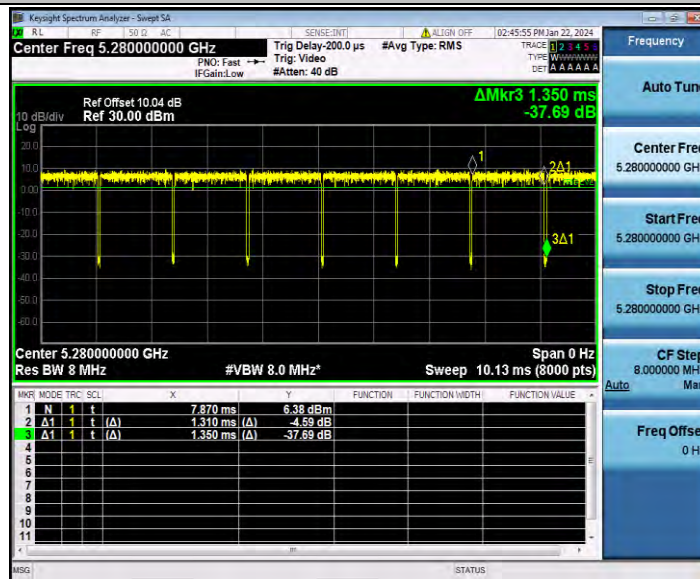
11N40SISO\_Ant1\_5310



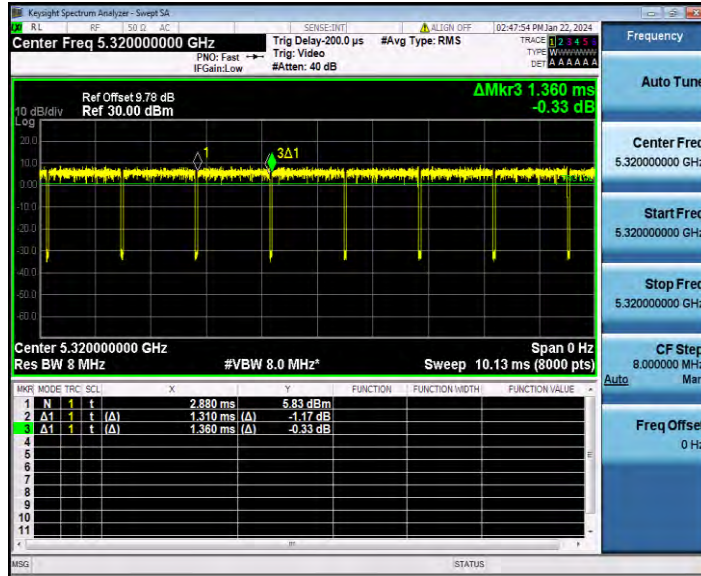
11AC20SISO\_Ant1\_5260



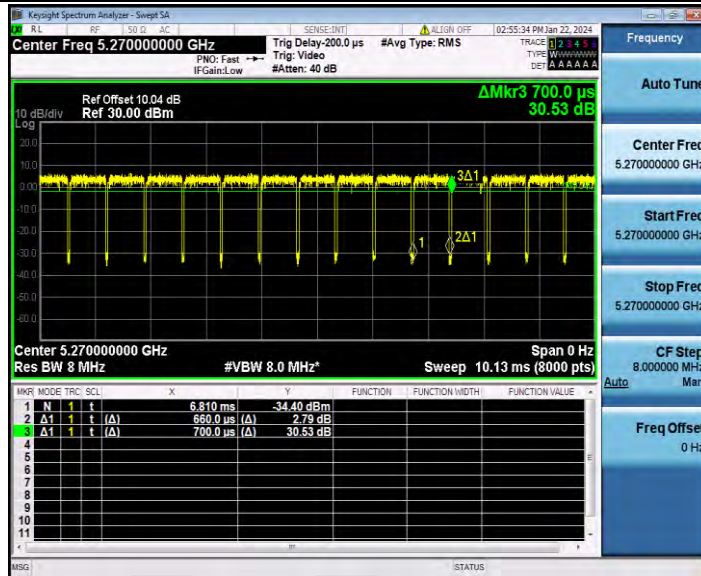
11AC20SISO\_Ant1\_5280



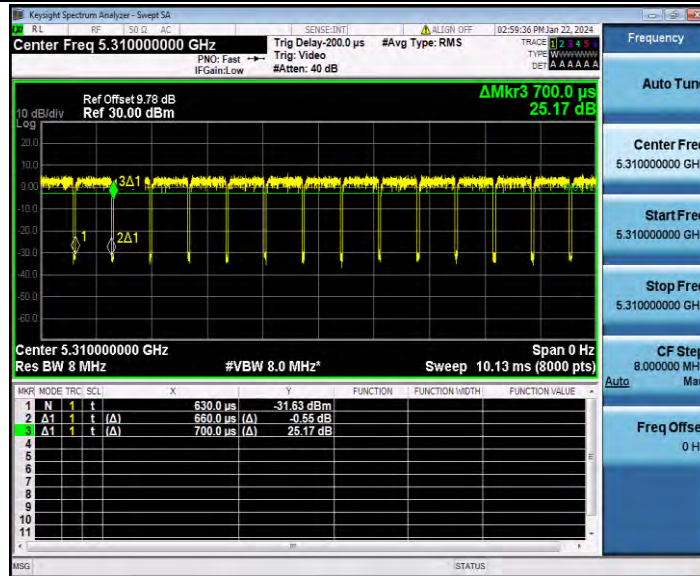
11AC20SISO\_Ant1\_5320



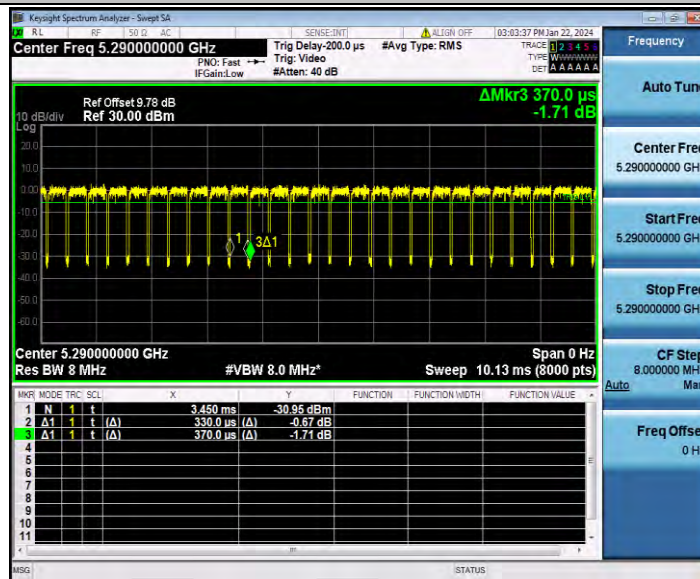
11AC40SISO\_Ant1\_5270



11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290





## Appendix E.4: Maximum conducted output power

### Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	10.35	96.53	0.15	10.50	≤23.98	PASS
		5280	8.97	96.53	0.15	9.12	≤23.98	PASS
		5320	8.42	96.53	0.15	8.57	≤23.98	PASS
11N20 SISO	Ant1	5260	9.63	96.30	0.16	9.79	≤23.98	PASS
		5280	9.03	96.30	0.16	9.19	≤23.98	PASS
		5320	8.24	97.01	0.13	8.37	≤23.98	PASS
11N40 SISO	Ant1	5270	8.95	92.75	0.33	9.28	≤23.98	PASS
		5310	8.02	94.20	0.26	8.28	≤23.98	PASS
11AC20 SISO	Ant1	5260	9.85	96.32	0.16	10.01	≤23.98	PASS
		5280	9.17	97.04	0.13	9.30	≤23.98	PASS
		5320	8.46	96.32	0.16	8.62	≤23.98	PASS
11AC40 SISO	Ant1	5270	9.03	94.29	0.26	9.29	≤23.98	PASS
		5310	8.00	94.29	0.26	8.26	≤23.98	PASS
11AC80 SISO	Ant1	5290	8.25	89.19	0.50	8.75	≤23.98	PASS

Note:

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

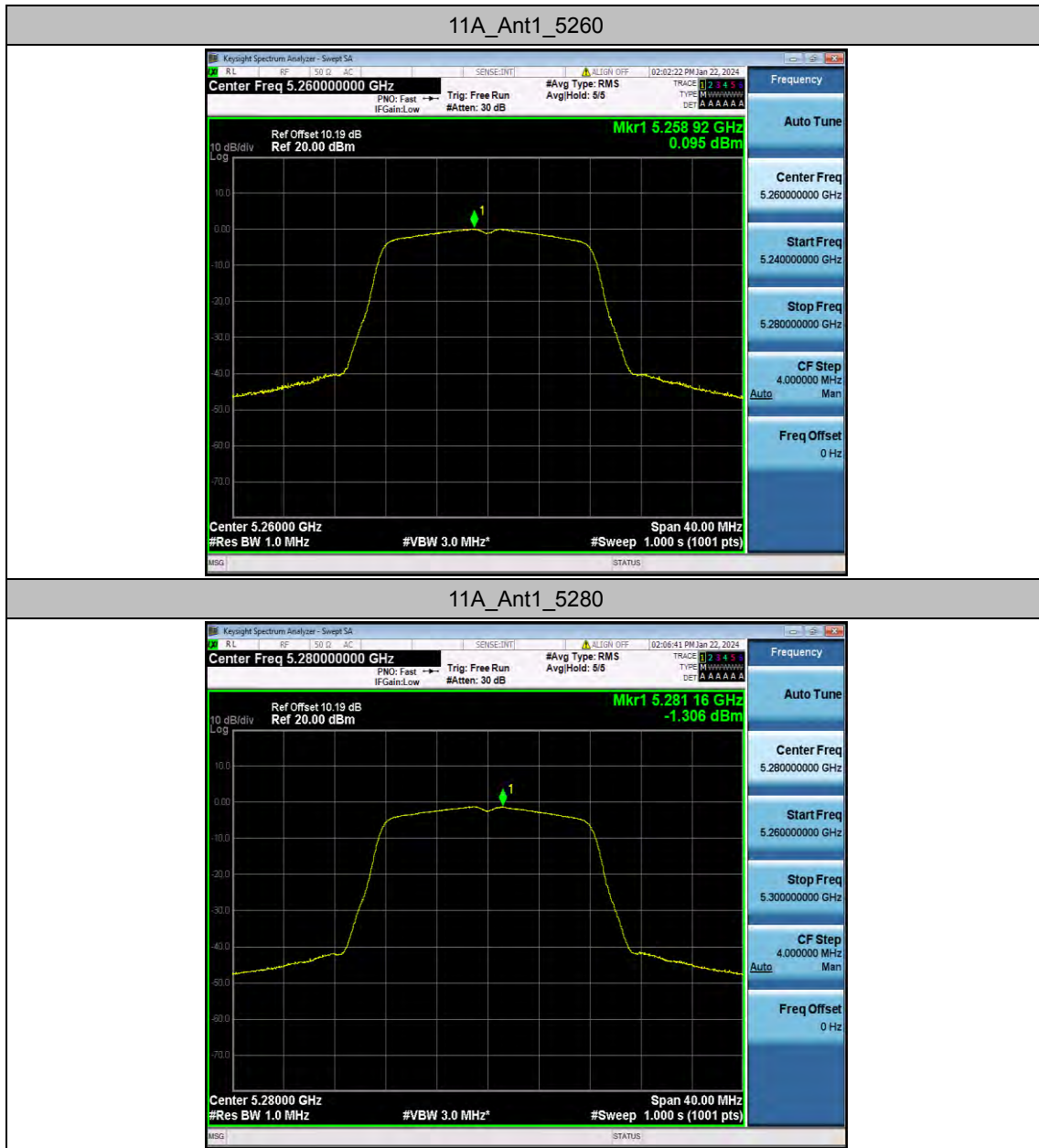
## Appendix E.5: Maximum power spectral density

### Test Result

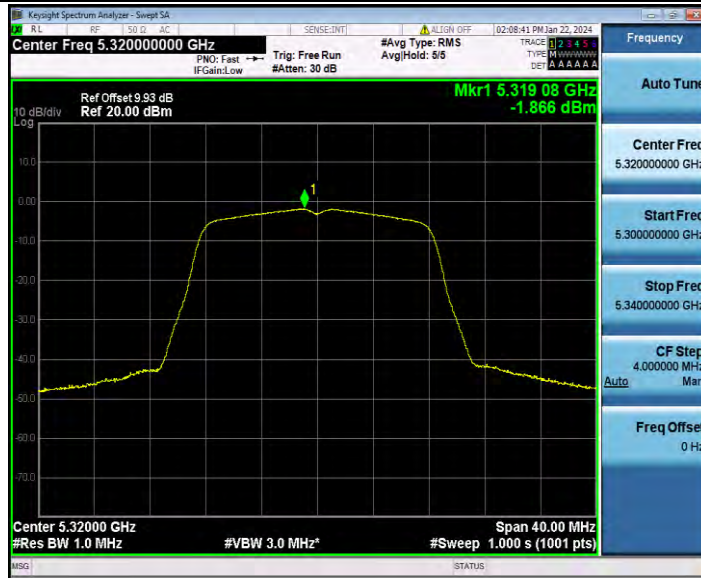
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	0.10	≤11.00	PASS
		5280	-1.31	≤11.00	PASS
		5320	-1.87	≤11.00	PASS
11N20SISO	Ant1	5260	-0.69	≤11.00	PASS
		5280	-1.40	≤11.00	PASS
		5320	-2.26	≤11.00	PASS
11N40SISO	Ant1	5270	-4.05	≤11.00	PASS
		5310	-5.16	≤11.00	PASS
11AC20SISO	Ant1	5260	-0.74	≤11.00	PASS
		5280	-1.49	≤11.00	PASS
		5320	-2.26	≤11.00	PASS
11AC40SISO	Ant1	5270	-4.15	≤11.00	PASS
		5310	-5.23	≤11.00	PASS
11AC80SISO	Ant1	5290	-8.09	≤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



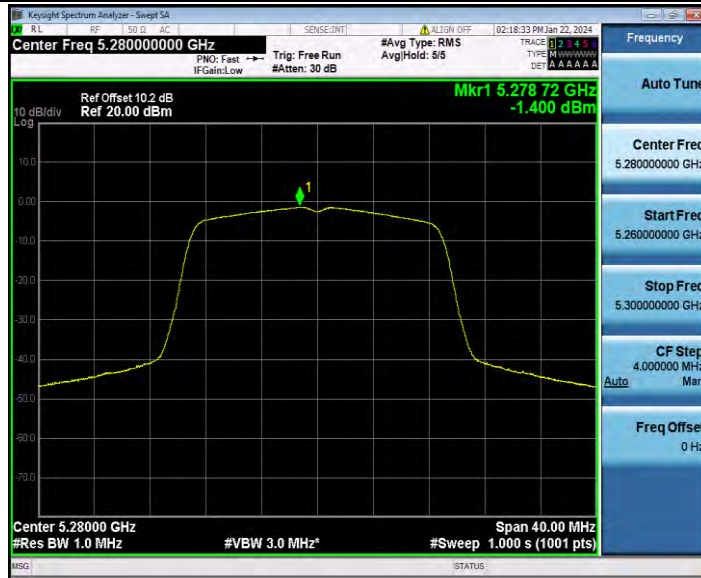
11A\_Ant1\_5320



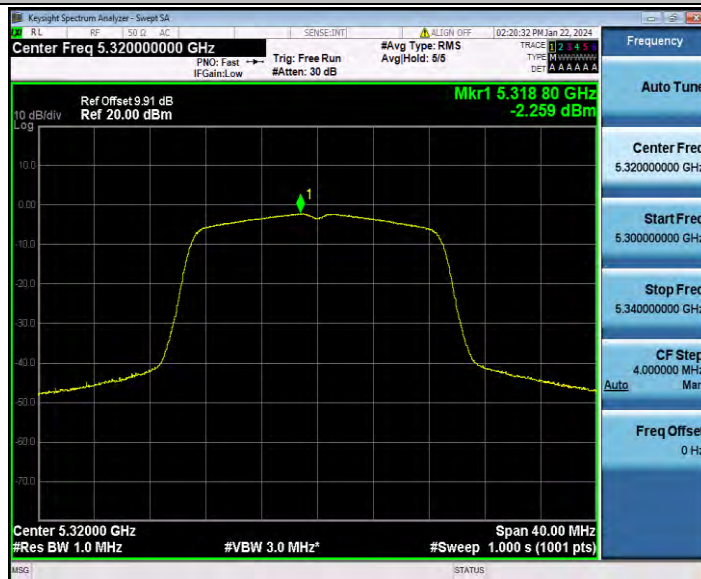
11N20SISO\_Ant1\_5260



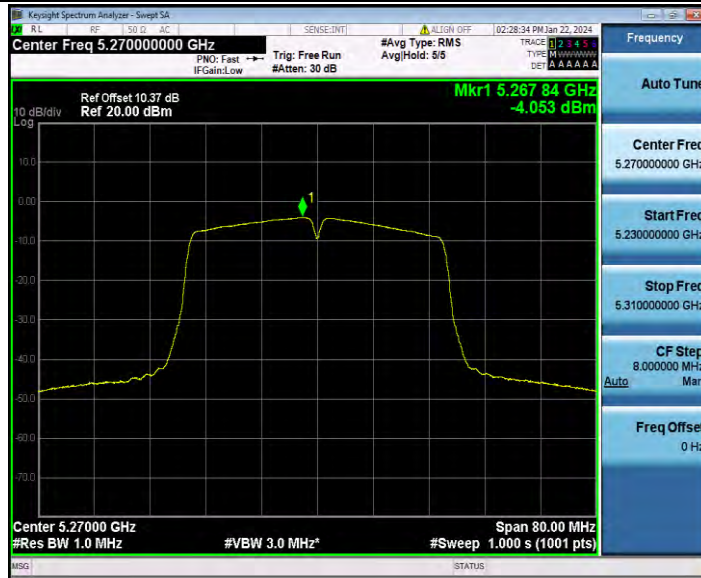
11N20SISO\_Ant1\_5280



11N20SISO\_Ant1\_5320



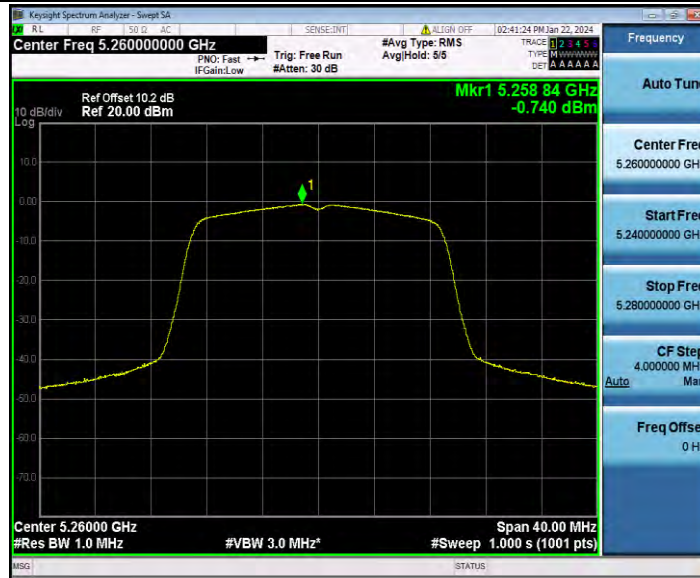
11N40SISO\_Ant1\_5270



11N40SISO\_Ant1\_5310



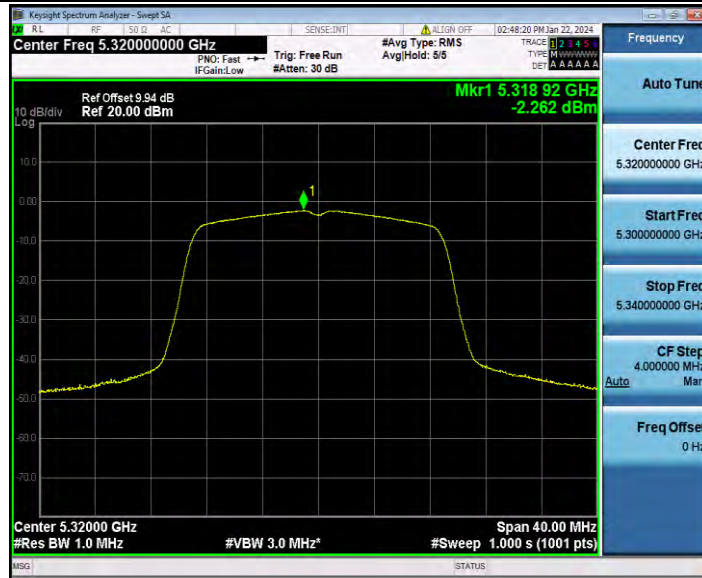
11AC20SISO\_Ant1\_5260



11AC20SISO\_Ant1\_5280



11AC20SISO\_Ant1\_5320

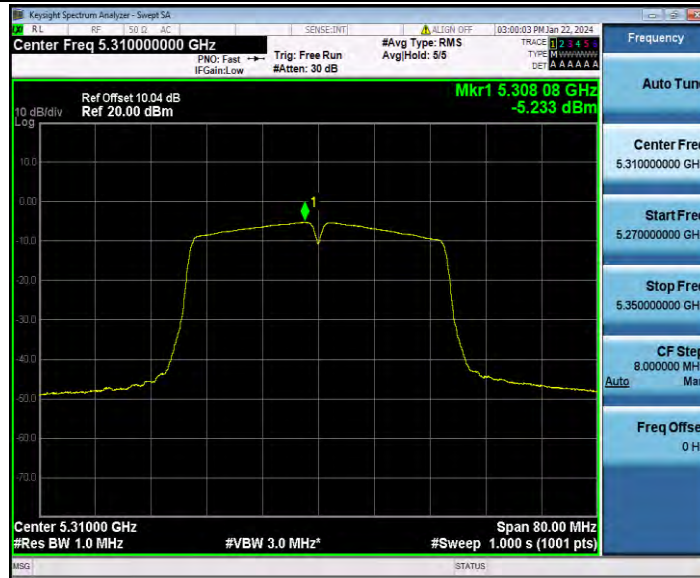


11AC40SISO\_Ant1\_5270





11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290

