

<b>Case No. :</b> <u>GTS20221215003-1-6</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.6.2</u> <b>Test Engineer:</b> <u>Jenny zeng</u>

## Appendix F.1: Emission Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	23.240	5488.600	5511.840	---	---
		5600	23.880	5588.440	5612.320	---	---
		5700	22.600	5688.720	5711.320	---	---
11N20SISO	Ant1	5500	23.680	5488.400	5512.080	---	---
		5600	24.280	5587.760	5612.040	---	---
		5700	23.680	5688.280	5711.960	---	---
11N40SISO	Ant1	5510	41.200	5489.440	5530.640	---	---
		5590	41.280	5569.200	5610.480	---	---
		5670	41.920	5649.040	5690.960	---	---
11AC20SISO	Ant1	5500	24.280	5488.240	5512.520	---	---
		5600	23.400	5588.560	5611.960	---	---
		5700	23.640	5688.360	5712.000	---	---
11AC40SISO	Ant1	5510	41.040	5489.680	5530.720	---	---
		5590	41.600	5569.040	5610.640	---	---
		5670	41.680	5649.280	5690.960	---	---
11AC80SISO	Ant1	5530	87.840	5488.720	5576.560	---	---
		5610	91.360	5567.920	5659.280	---	---

## Test Graphs



11A\_Ant1\_5500



11A\_Ant1\_5600



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5600



11N20SISO\_Ant1\_5700



11N40SISO\_Ant1\_5510





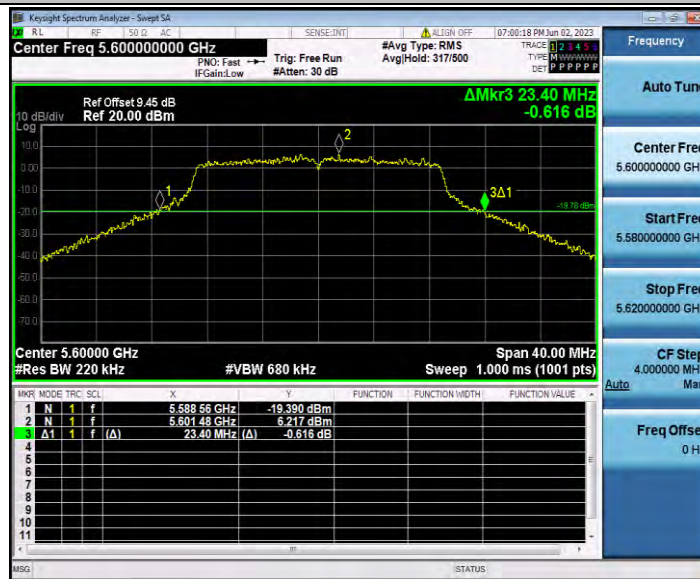
11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510

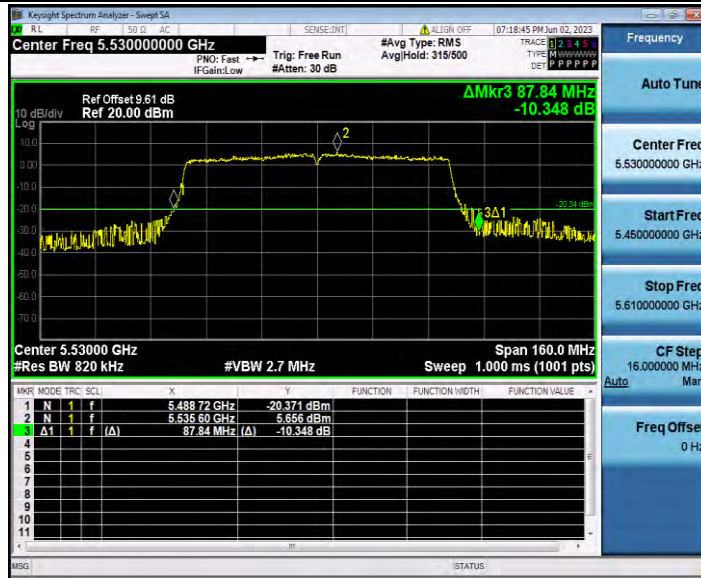


11AC40SISO\_Ant1\_5590

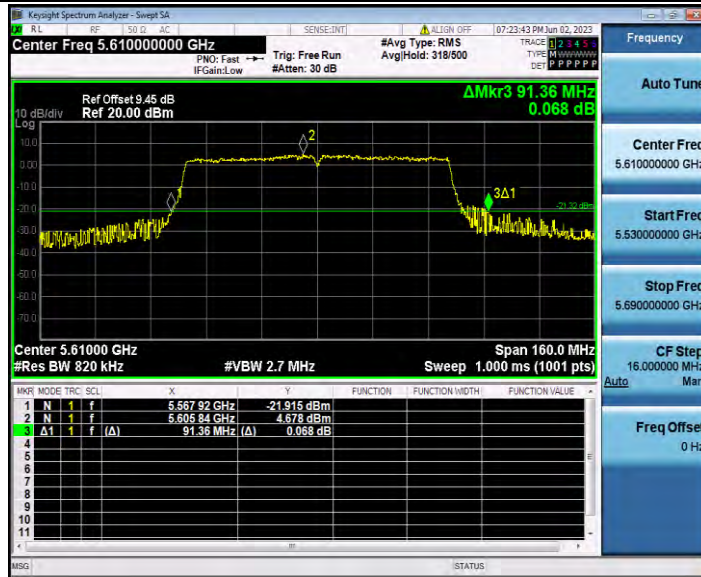




11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



## Appendix F.2: Occupied channel bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.086	5491.525	5508.611	---	---
		5600	16.994	5591.519	5608.513	---	---
		5700	17.086	5691.449	5708.535	---	---
11N20SISO	Ant1	5500	18.186	5490.980	5509.166	---	---
		5600	18.143	5590.948	5609.091	---	---
		5700	18.186	5690.897	5709.083	---	---
11N40SISO	Ant1	5510	36.427	5491.892	5528.319	---	---
		5590	36.473	5571.773	5608.246	---	---
		5670	36.463	5651.802	5688.265	---	---
11AC20SISO	Ant1	5500	18.213	5490.945	5509.158	---	---
		5600	18.204	5590.918	5609.122	---	---
		5700	18.188	5690.918	5709.106	---	---
11AC40SISO	Ant1	5510	36.482	5491.868	5528.350	---	---
		5590	36.457	5571.810	5608.267	---	---
		5670	36.476	5651.787	5688.263	---	---
11AC80SISO	Ant1	5530	75.840	5492.254	5568.094	---	---
		5610	76.158	5572.081	5648.239	---	---

## Test Graphs



11A\_Ant1\_5500



11A\_Ant1\_5600



11A\_Ant1\_5700



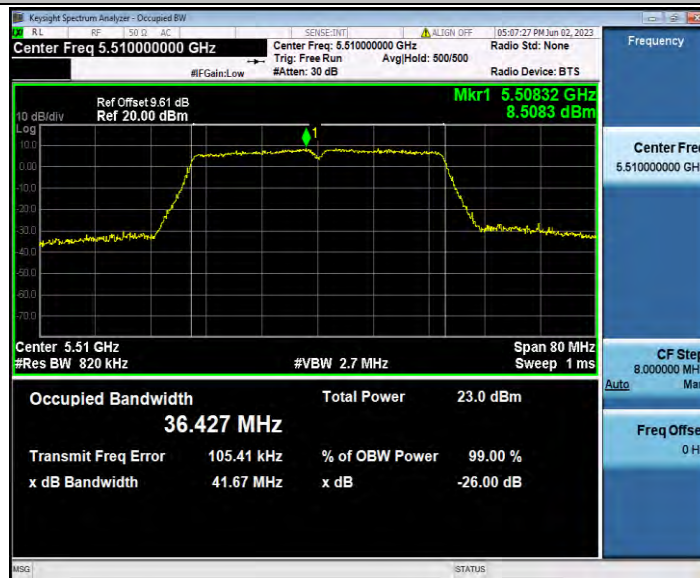
11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5600

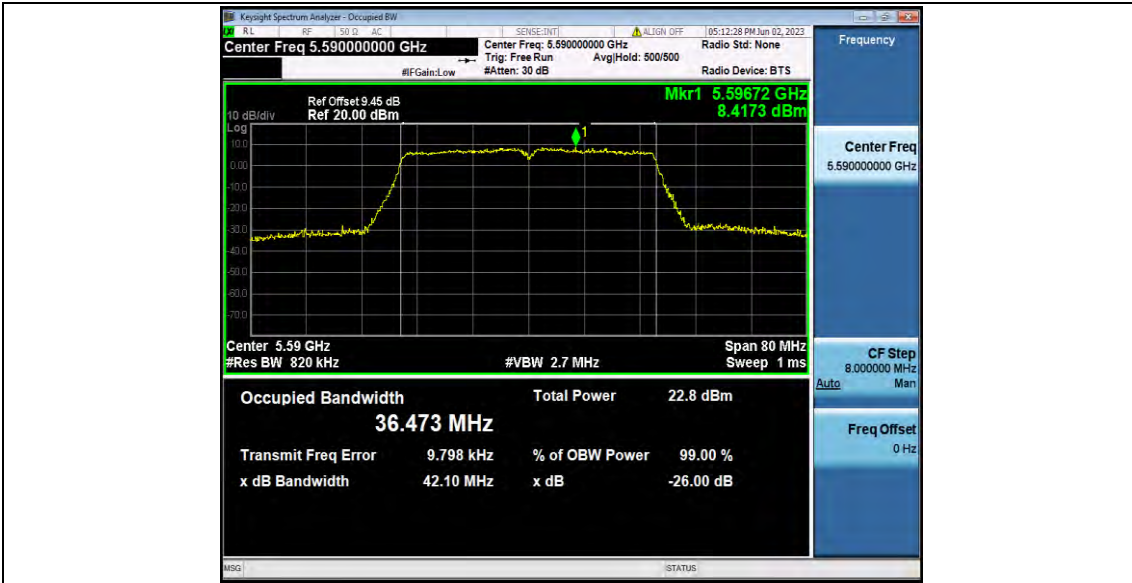


11N20SISO\_Ant1\_5700



11N40SISO\_Ant1\_5510





11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510



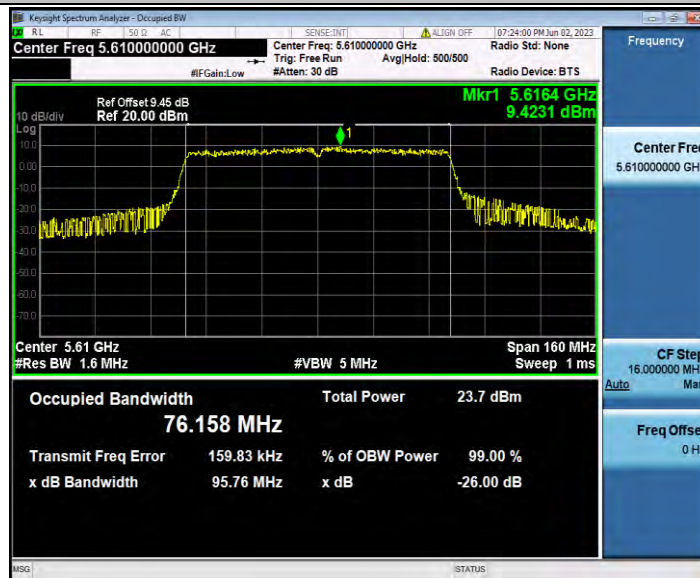
11AC40SISO\_Ant1\_5590



11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610

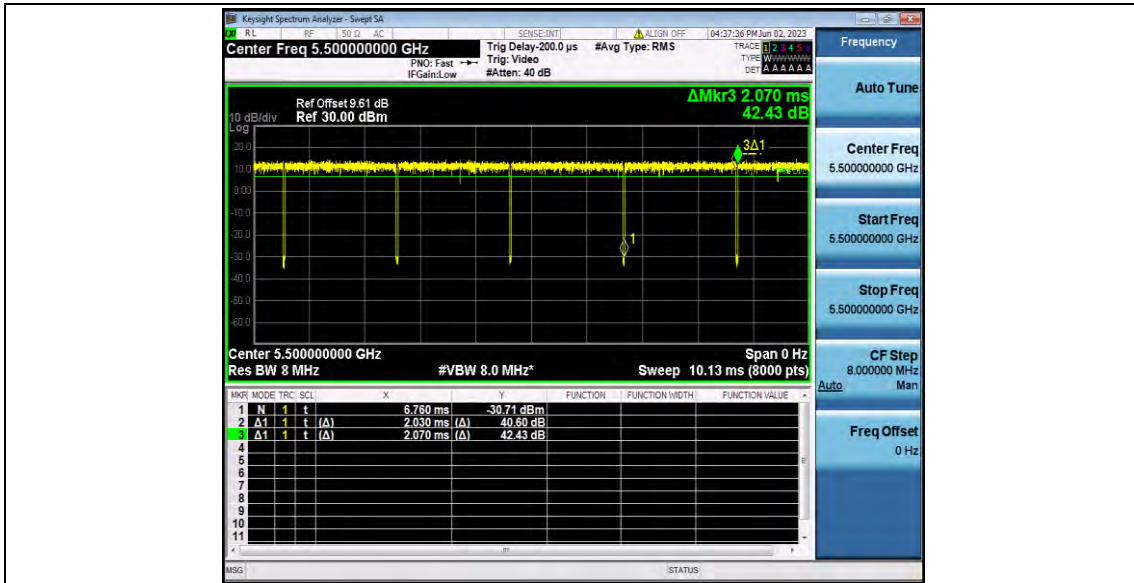


## Appendix F.3: Duty Cycle

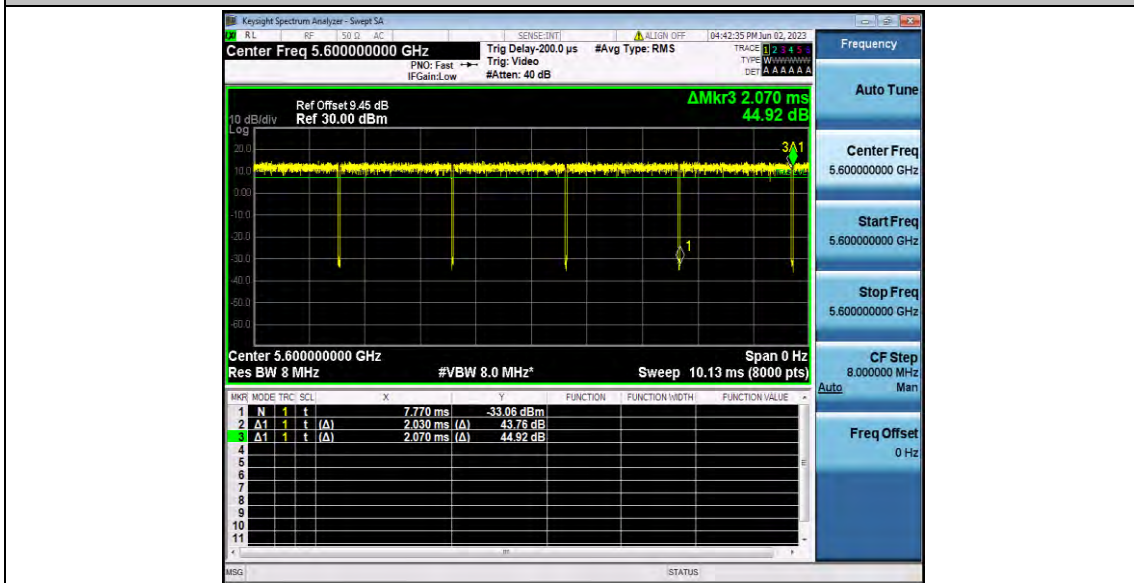
### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	2.03	2.07	98.07
		5600	2.03	2.07	98.07
		5700	2.03	2.06	98.54
11N20SISO	Ant1	5500	1.88	1.92	97.92
		5600	1.89	1.93	97.93
		5700	1.89	1.93	97.93
11N40SISO	Ant1	5510	0.93	0.96	96.88
		5590	0.93	0.96	96.88
		5670	0.93	0.97	95.88
11AC20SISO	Ant1	5500	1.90	1.94	97.94
		5600	1.90	1.94	97.94
		5700	1.90	1.94	97.94
11AC40SISO	Ant1	5510	0.94	0.98	95.92
		5590	0.94	0.97	96.91
		5670	0.94	0.97	96.91
11AC80SISO	Ant1	5530	0.45	0.49	91.84
		5610	0.46	0.50	92.00

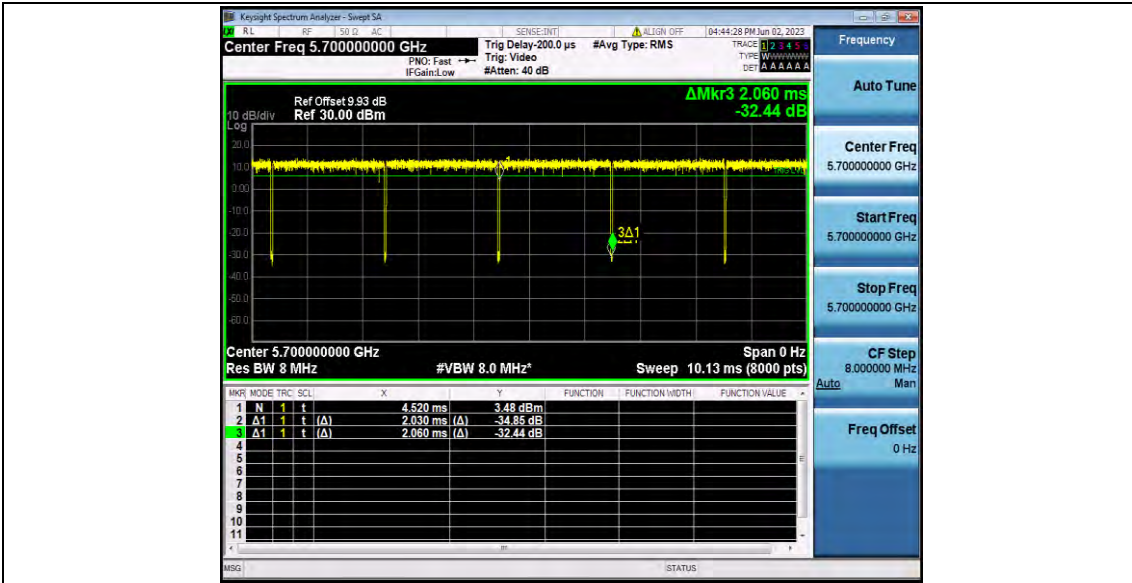
## Test Graphs



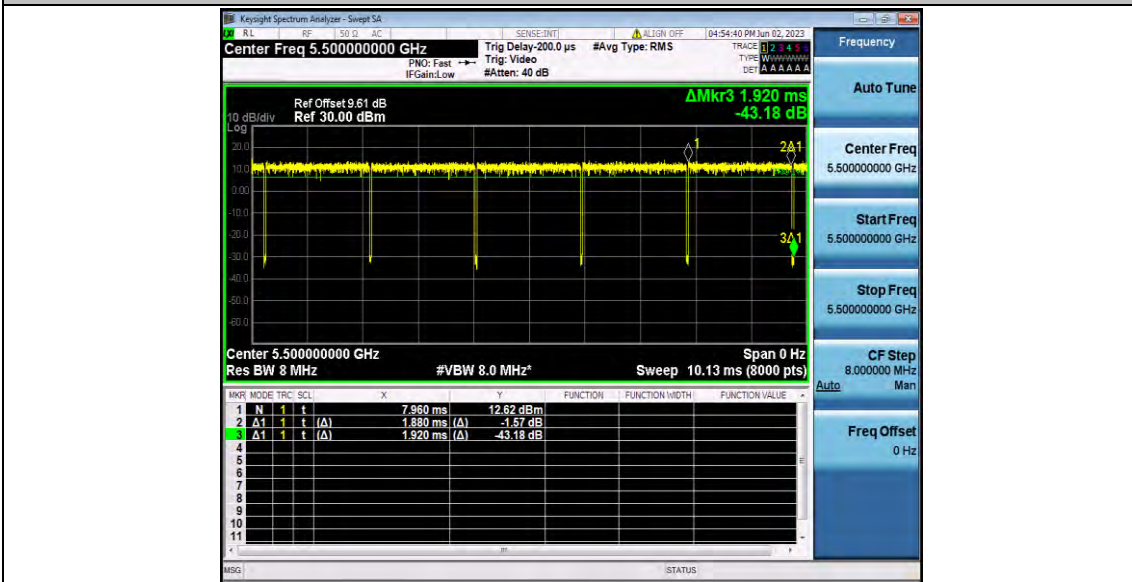
11A\_Ant1\_5500



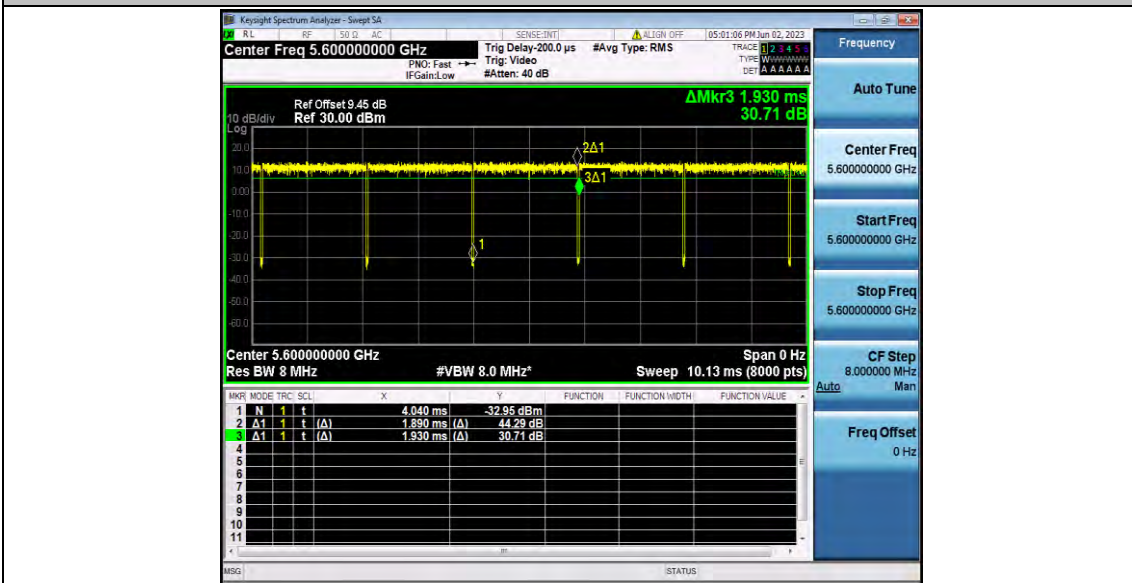
11A\_Ant1\_5600



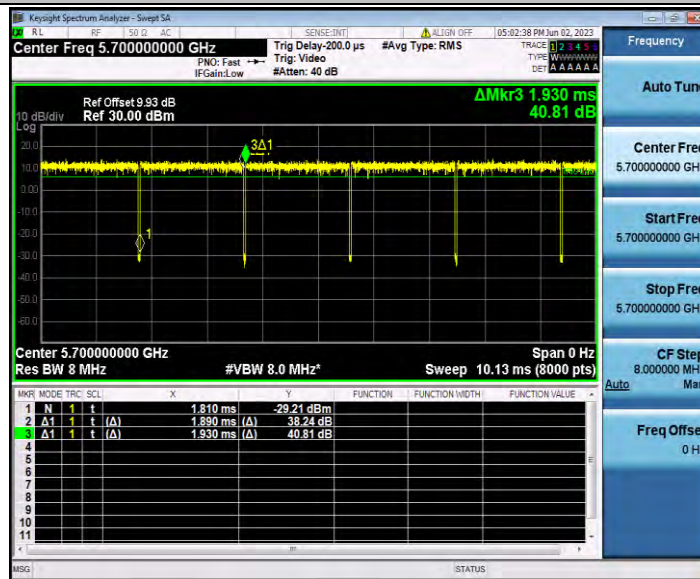
11A\_Ant1\_5700



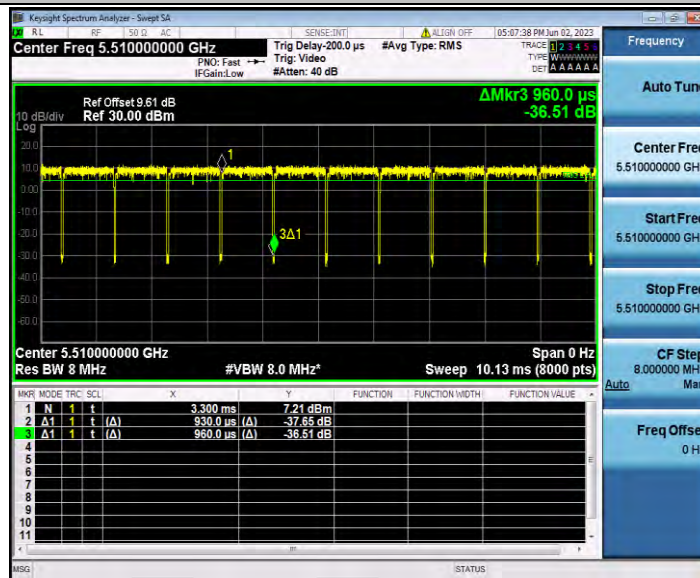
11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5600

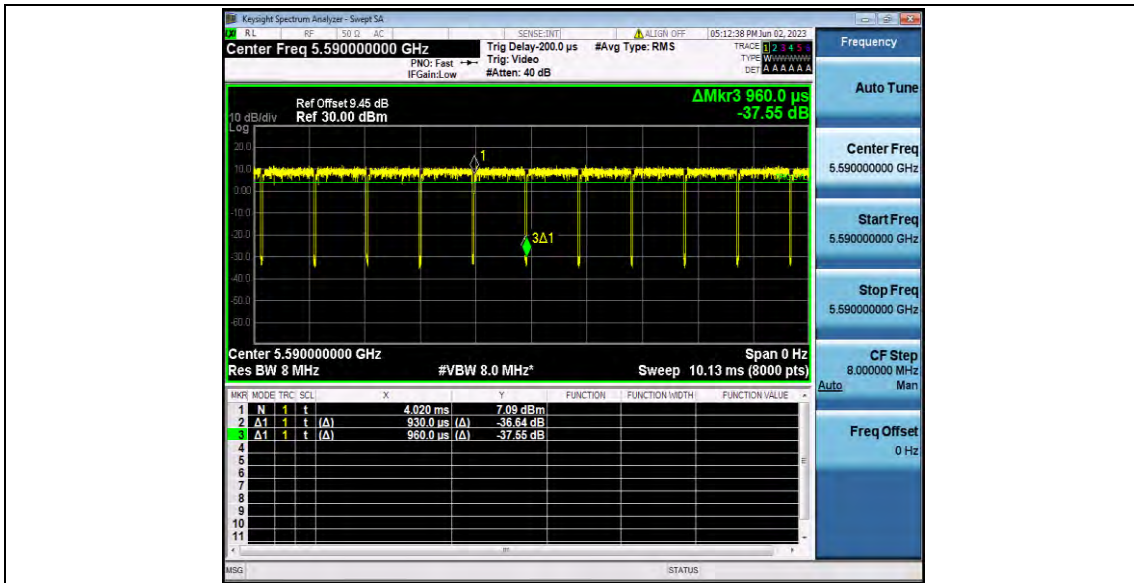


11N20SISO\_Ant1\_5700

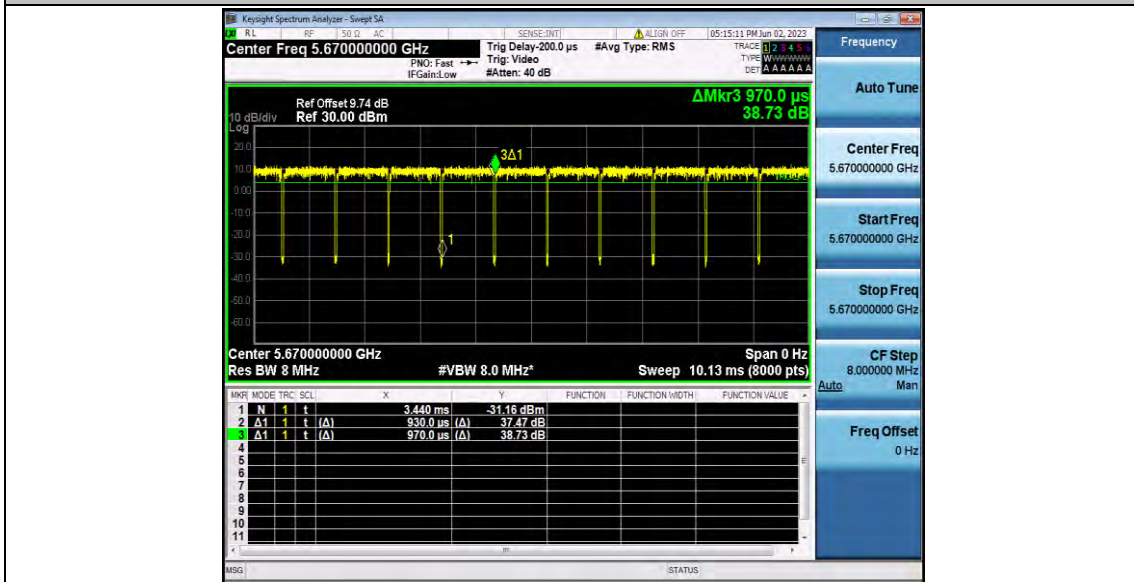


11N40SISO\_Ant1\_5510

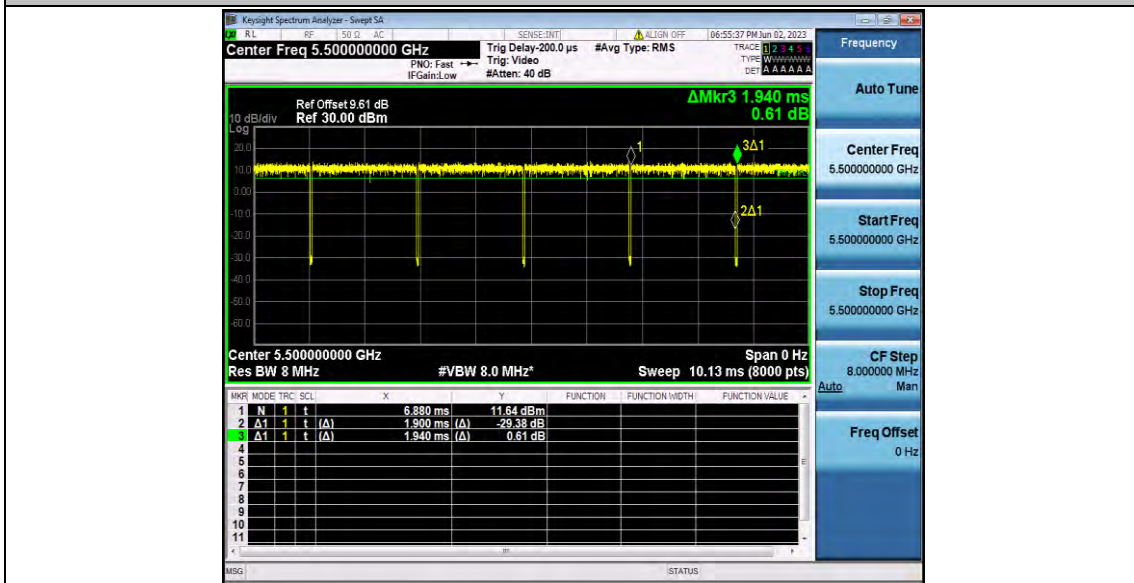




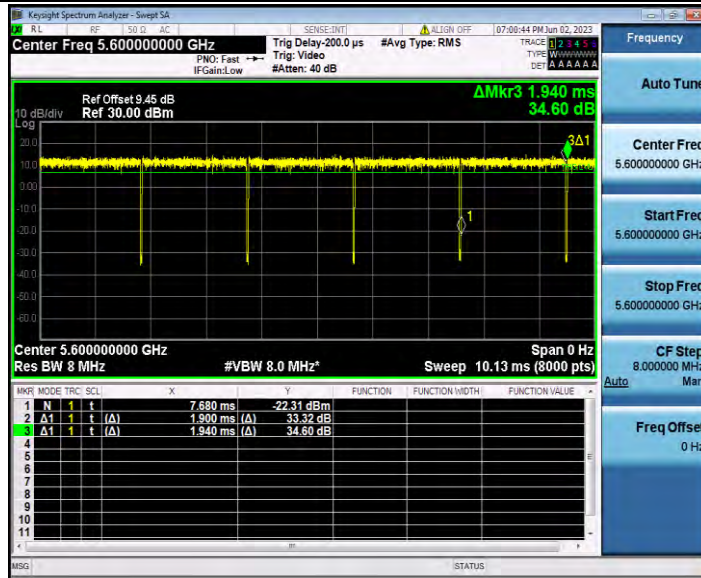
11N40SISO\_Ant1\_5590



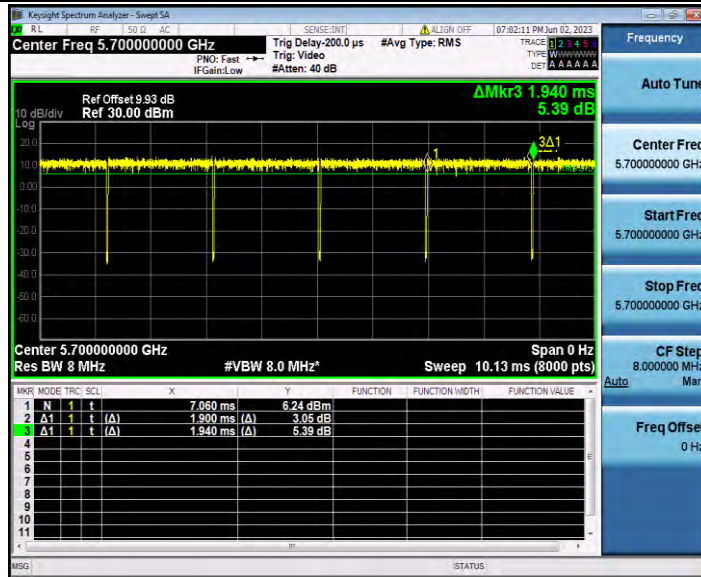
11N40SISO\_Ant1\_5670



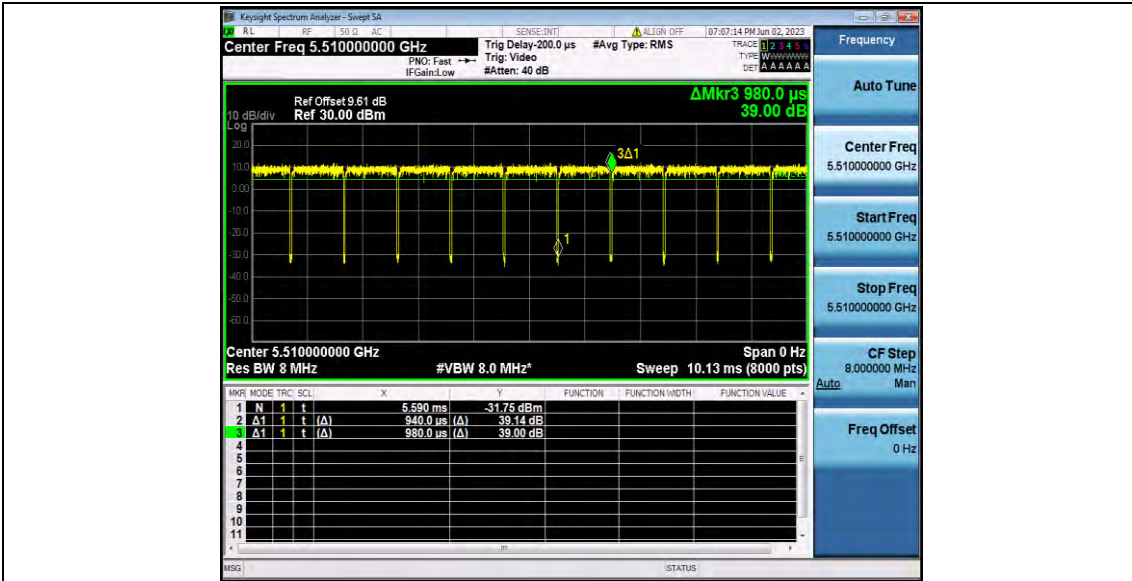
11AC20SISO\_Ant1\_5500



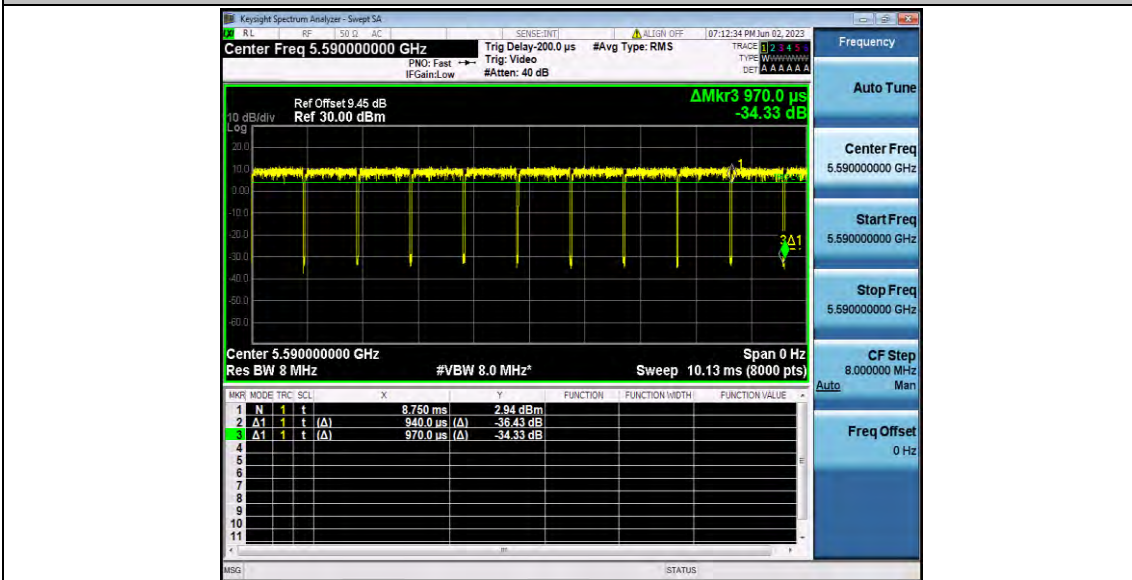
11AC20SISO\_Ant1\_5600



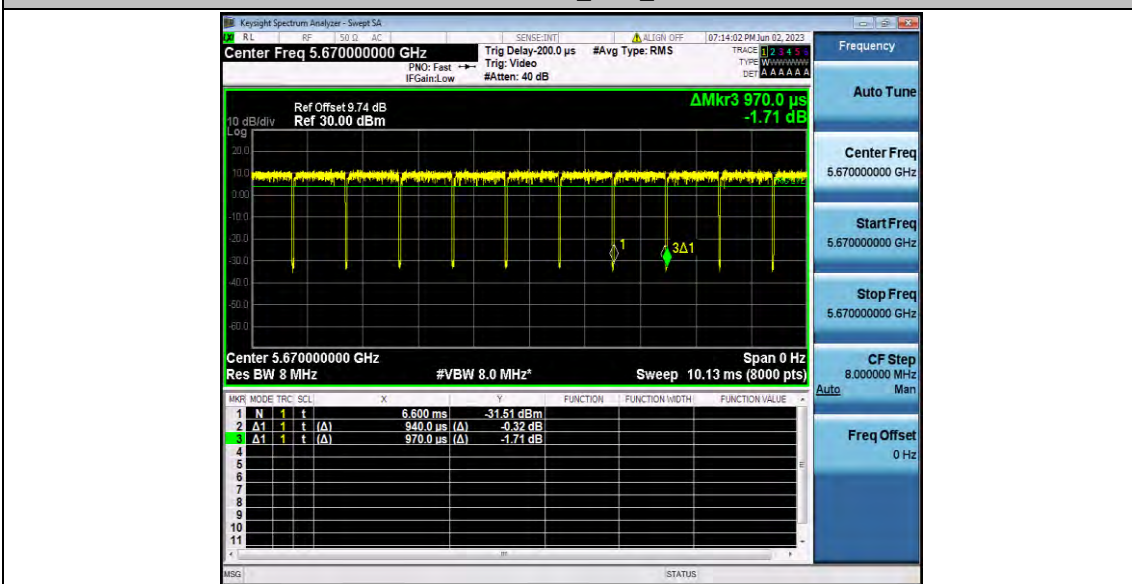
11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510

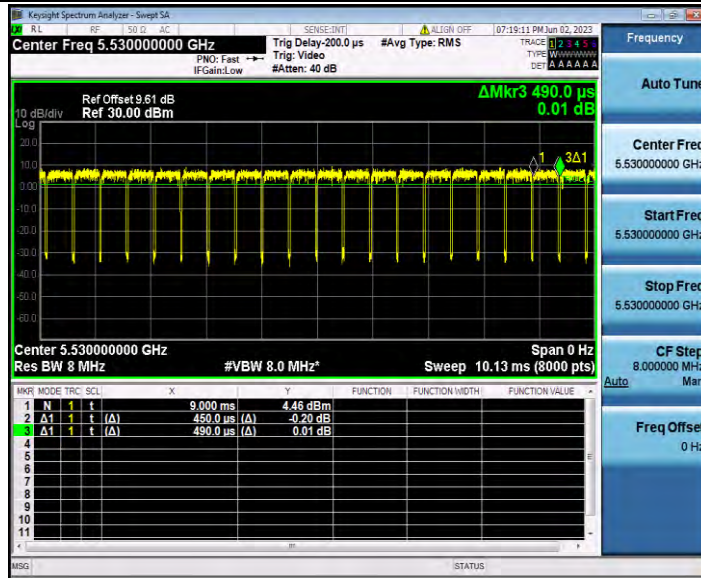


11AC40SISO\_Ant1\_5590

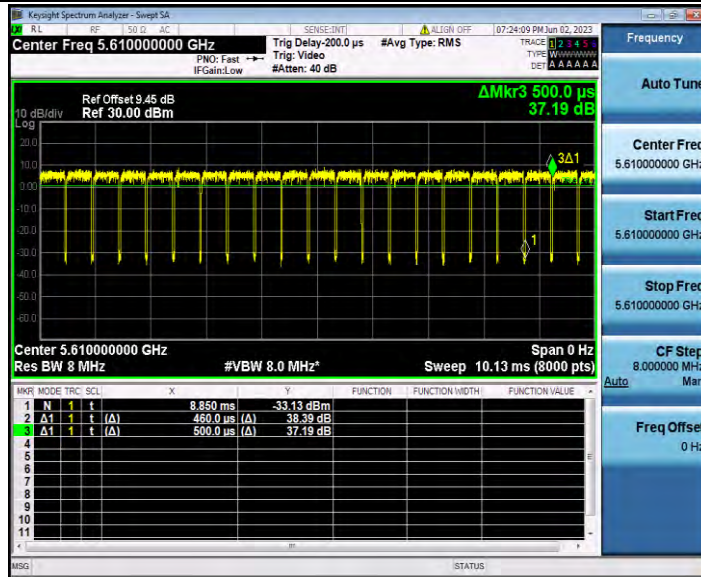




11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



## Appendix F.4: Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	14.53	98.07	0.08	14.61	≤23.98	PASS
		5600	14.94	98.07	0.08	15.02	≤23.98	PASS
		5700	14.11	98.54	0.06	14.17	≤23.98	PASS
11N20SISO	Ant1	5500	14.29	97.92	0.09	14.38	≤23.98	PASS
		5600	14.73	97.93	0.09	14.82	≤23.98	PASS
		5700	13.90	97.93	0.09	13.99	≤23.98	PASS
11N40SISO	Ant1	5510	15.05	96.88	0.14	15.19	≤23.98	PASS
		5590	14.99	96.88	0.14	15.13	≤23.98	PASS
		5670	14.97	95.88	0.18	15.15	≤23.98	PASS
11AC20SISO	Ant1	5500	14.44	97.94	0.09	14.53	≤23.98	PASS
		5600	14.89	97.94	0.09	14.98	≤23.98	PASS
		5700	14.06	97.94	0.09	14.15	≤23.98	PASS
11AC40SISO	Ant1	5510	15.11	95.92	0.18	15.29	≤23.98	PASS
		5590	15.03	96.91	0.14	15.17	≤23.98	PASS
		5670	15.09	96.91	0.14	15.23	≤23.98	PASS
11AC80SISO	Ant1	5530	14.77	91.84	0.37	15.14	≤23.98	PASS
		5610	14.54	92.00	0.36	14.90	≤23.98	PASS

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

## Appendix F.5: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	3.54	≤11.00	PASS
		5600	4.02	≤11.00	PASS
		5700	3.34	≤11.00	PASS
11N20SISO	Ant1	5500	3.12	≤11.00	PASS
		5600	3.49	≤11.00	PASS
		5700	2.86	≤11.00	PASS
11N40SISO	Ant1	5510	1.17	≤11.00	PASS
		5590	1.06	≤11.00	PASS
		5670	1.2	≤11.00	PASS
11AC20SISO	Ant1	5500	3.12	≤11.00	PASS
		5600	3.61	≤11.00	PASS
		5700	2.91	≤11.00	PASS
11AC40SISO	Ant1	5510	1.32	≤11.00	PASS
		5590	1.06	≤11.00	PASS
		5670	1.14	≤11.00	PASS
11AC80SISO	Ant1	5530	-1.68	≤11.00	PASS
		5610	-2.18	≤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.

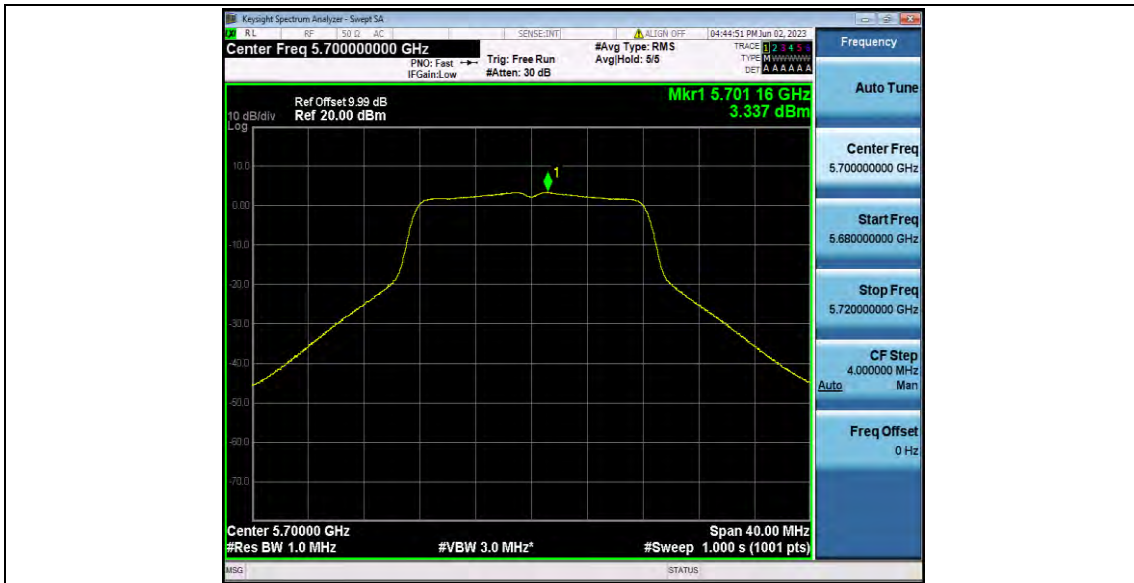
## Test Graphs



11A\_Ant1\_5500



11A\_Ant1\_5600



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500

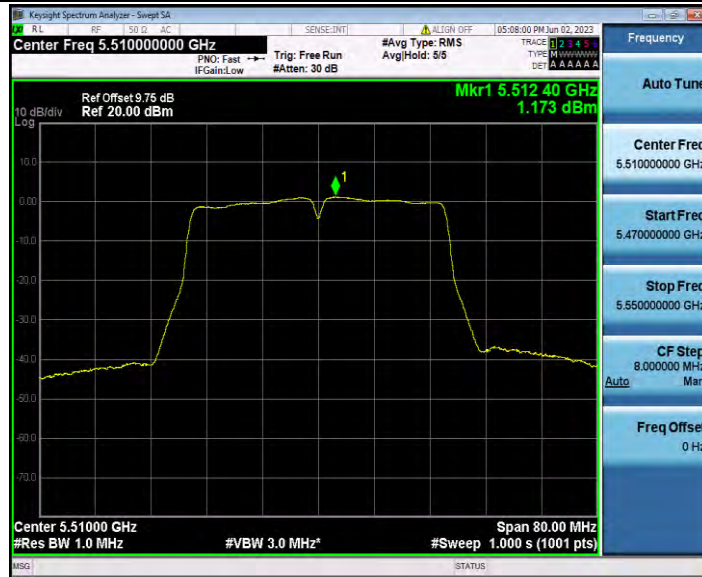




11N20SISO\_Ant1\_5600



11N20SISO\_Ant1\_5700



11N40SISO\_Ant1\_5510



11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590





11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610