

Case No. : <u>GTS20251128021-1-09</u>
Ambient Condition: <u>22</u> °C, <u>47</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.12.05-2025.12.25</u> Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

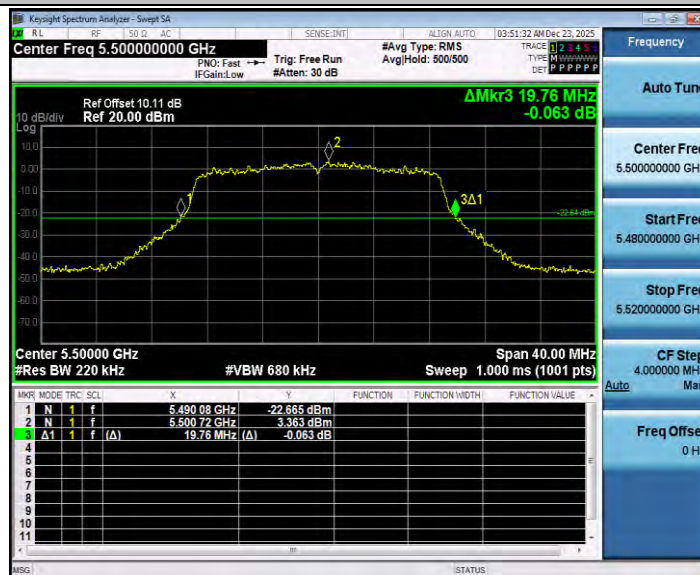
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5500	18.520	5490.760	5509.280	---	---
		5580	18.680	5570.600	5589.280	---	---
		5700	18.680	5690.560	5709.240	---	---
11N20SISO	Ant2	5500	19.760	5490.080	5509.840	---	---
		5580	19.840	5570.040	5589.880	---	---
		5700	20.200	5689.680	5709.880	---	---
11N40SISO	Ant2	5510	39.360	5490.400	5529.760	---	---
		5590	39.280	5570.320	5609.600	---	---
		5670	39.200	5650.400	5689.600	---	---
11AC20SISO	Ant2	5500	19.840	5490.080	5509.920	---	---
		5580	19.920	5570.000	5589.920	---	---
		5700	20.040	5689.800	5709.840	---	---
11AC40SISO	Ant2	5510	39.120	5490.400	5529.520	---	---
		5590	39.280	5570.240	5609.520	---	---
		5670	39.280	5650.320	5689.600	---	---
11AC80SISO	Ant2	5530	80.000	5489.840	5569.840	---	---
		5610	80.480	5569.520	5650.000	---	---
11AX20SISO	Ant2	5500	20.520	5489.720	5510.240	---	---
		5580	20.520	5569.840	5590.360	---	---
		5700	20.680	5689.520	5710.200	---	---
11AX40SISO	Ant2	5510	39.920	5490.000	5529.920	---	---
		5590	39.840	5570.080	5609.920	---	---
		5670	39.840	5650.000	5689.840	---	---
11AX80SISO	Ant2	5530	80.480	5489.840	5570.320	---	---
		5610	81.120	5569.360	5650.480	---	---

Test Graphs





11N20SISO_Ant2_5500



11N20SISO_Ant2_5580



11N20SISO_Ant2_5700



11N40SISO_Ant2_5510



11N40SISO_Ant2_5590



11N40SISO_Ant2_5670



11AC20SISO_Ant2_5500



11AC20SISO_Ant2_5580



11AC20SISO_Ant2_5700



11AC40SISO_Ant2_5510



11AC40SISO_Ant2_5590



11AC40SISO_Ant2_5670



11AC80SISO_Ant2_5530



11AC80SISO_Ant2_5610



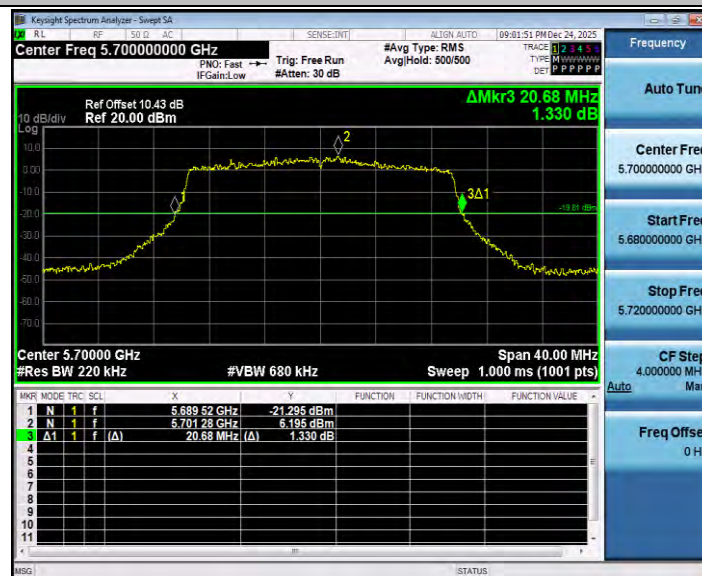
11AX20SISO_Ant2_5500



11AX20ISO_Ant2_5580



11AX20ISO_Ant2_5700



11AX40SISO_Ant2_5510



11AX40SISO_Ant2_5590



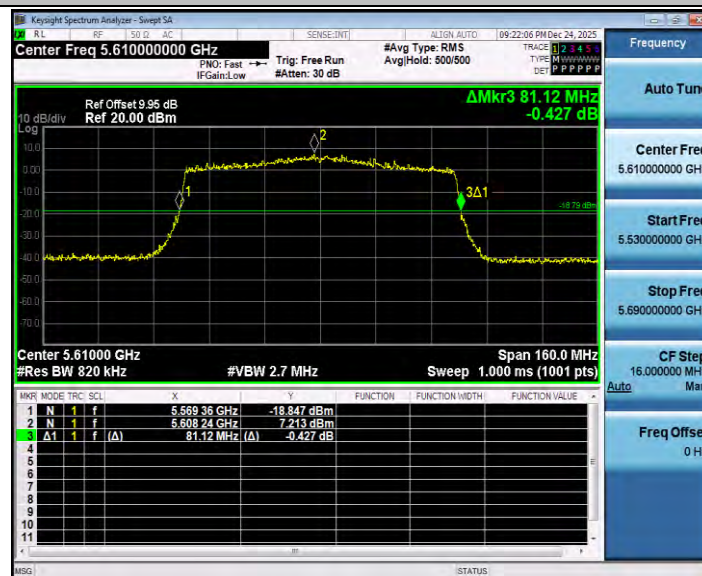
11AX40SISO_Ant2_5670



11AX80ISO_Ant2_5530



11AX80ISO_Ant2_5610



Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5500	16.349	5491.8309	5508.1799	---	---
		5580	16.369	5571.8030	5588.1720	---	---
		5700	16.384	5691.7740	5708.1580	---	---
11N20SISO	Ant2	5500	17.513	5491.2515	5508.7645	---	---
		5580	17.522	5571.2275	5588.7495	---	---
		5700	17.536	5691.1899	5708.7259	---	---
11N40SISO	Ant2	5510	35.823	5492.1567	5527.9797	---	---
		5590	35.825	5572.0736	5607.8986	---	---
		5670	35.811	5652.0819	5687.8929	---	---
11AC20SISO	Ant2	5500	17.523	5491.2557	5508.7787	---	---
		5580	17.529	5571.2257	5588.7547	---	---
		5700	17.533	5691.1946	5708.7276	---	---
11AC40SISO	Ant2	5510	35.775	5492.1776	5527.9526	---	---
		5590	35.800	5572.0906	5607.8906	---	---
		5670	35.807	5652.0635	5687.8705	---	---
11AC80SISO	Ant2	5530	74.520	5492.7753	5567.2953	---	---
		5610	74.691	5572.5429	5647.2339	---	---
11AX20SISO	Ant2	5500	18.839	5490.5835	5509.4225	---	---
		5580	18.836	5570.5809	5589.4169	---	---
		5700	18.861	5690.5412	5709.4022	---	---
11AX40SISO	Ant2	5510	37.509	5491.3260	5528.8350	---	---
		5590	37.526	5571.2373	5608.7633	---	---
		5670	37.539	5651.2194	5688.7584	---	---
11AX80SISO	Ant2	5530	76.307	5491.8113	5568.1183	---	---
		5610	76.548	5571.7318	5648.2798	---	---

Test Graphs

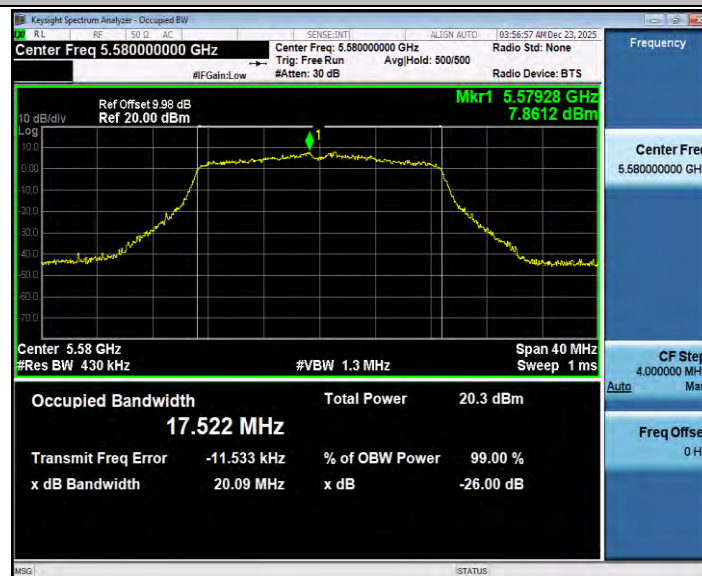




11N20SISO_Ant2_5500



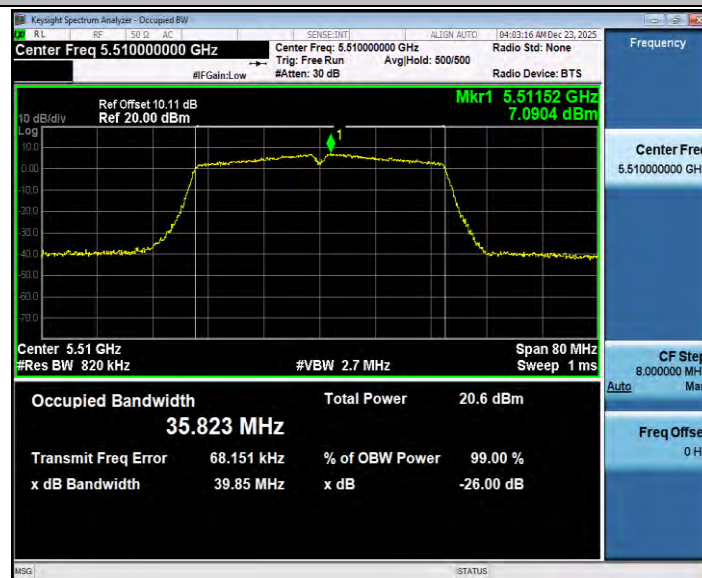
11N20SISO_Ant2_5580



11N20SISO_Ant2_5700



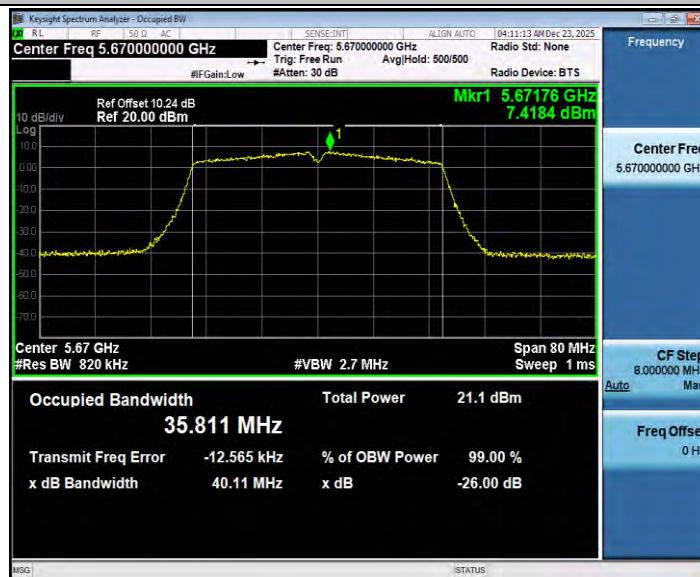
11N40SISO_Ant2_5510



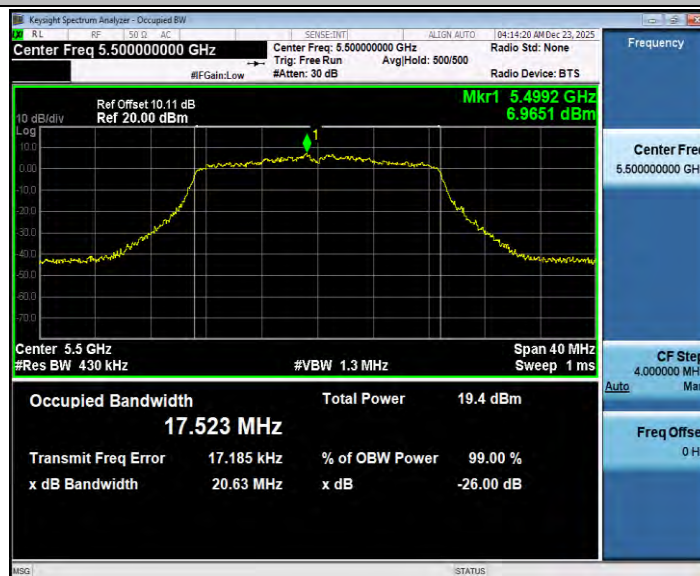
11N40SISO_Ant2_5590



11N40SISO_Ant2_5670



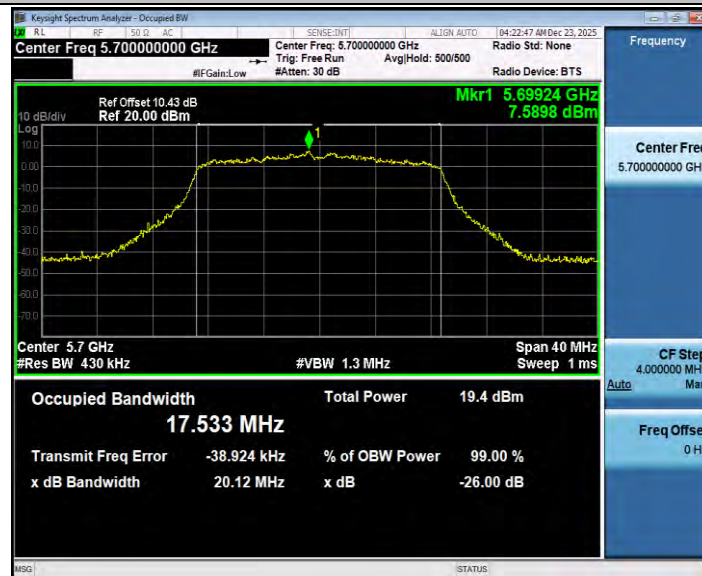
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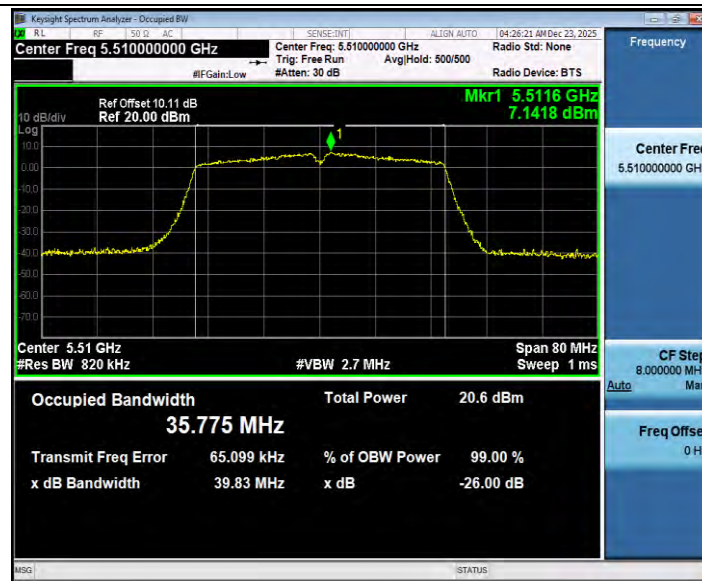
11AC20SISO_Ant2_5580



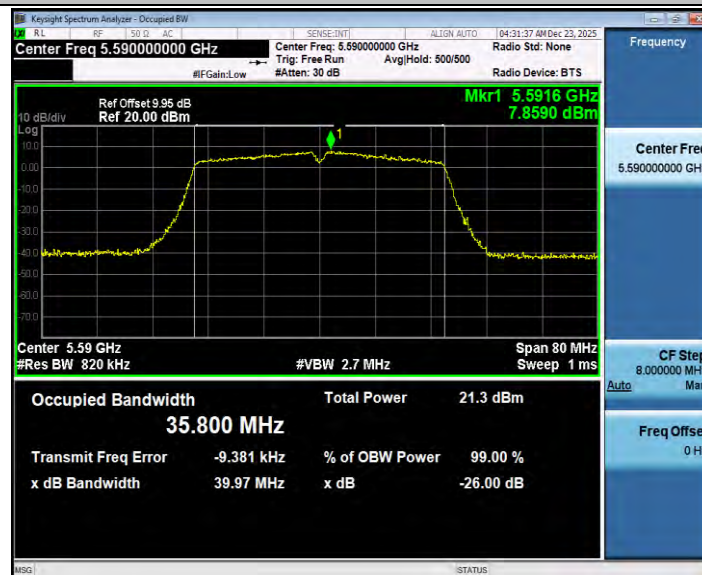
11AC20SISO_Ant2_5700



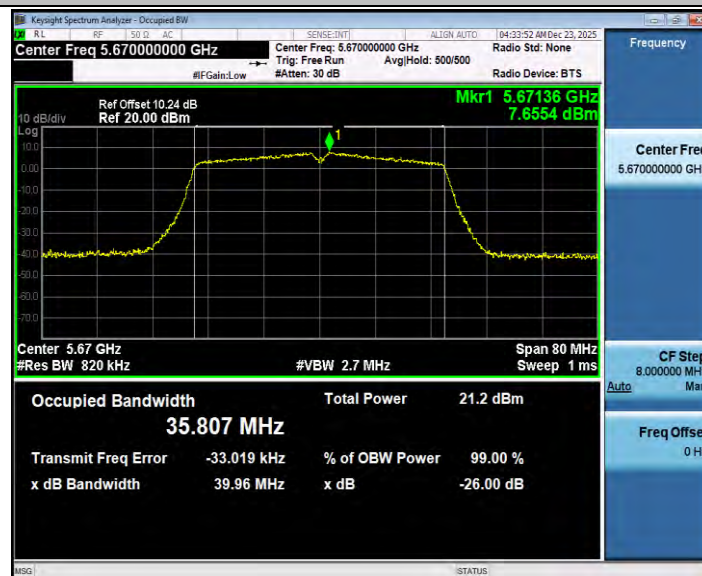
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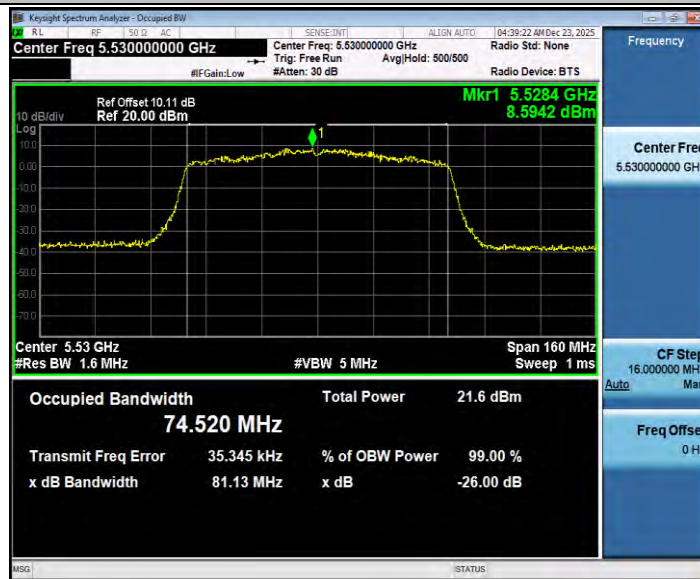
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11AC40SISO_Ant2_5670



11AC80SISO_Ant2_5530



11AC80SISO_Ant2_5610



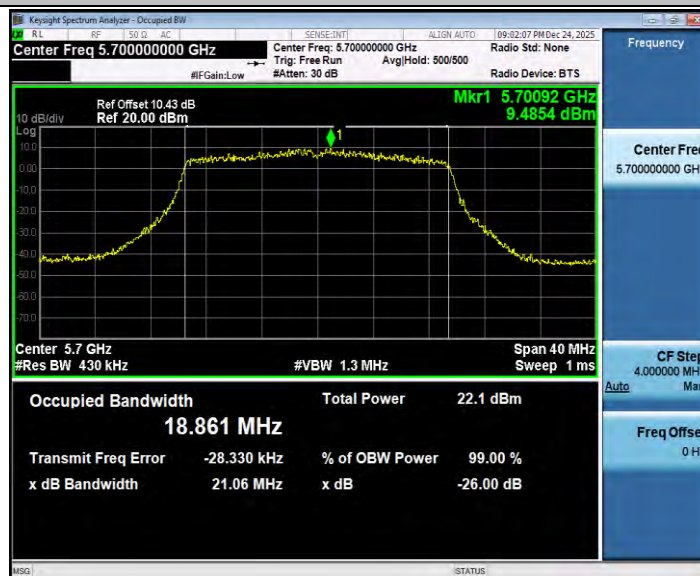
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11AX20ISO_Ant2_5580



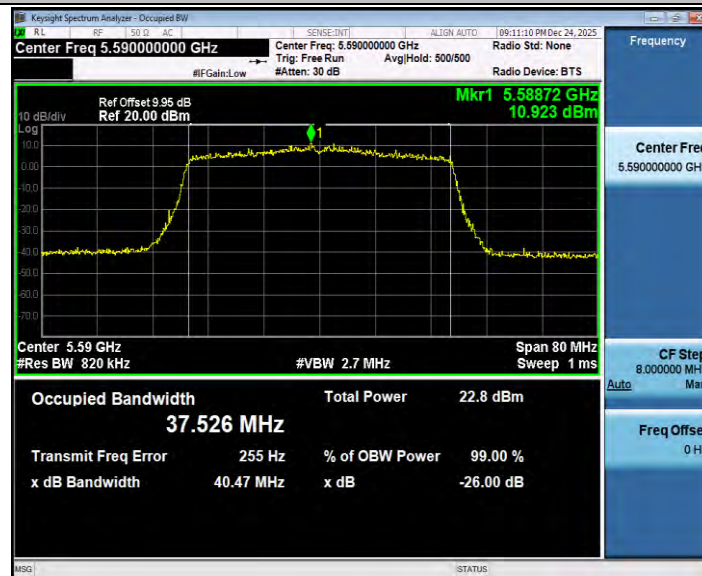
11AX20ISO_Ant2_5700



11AX40SISO_Ant2_5510



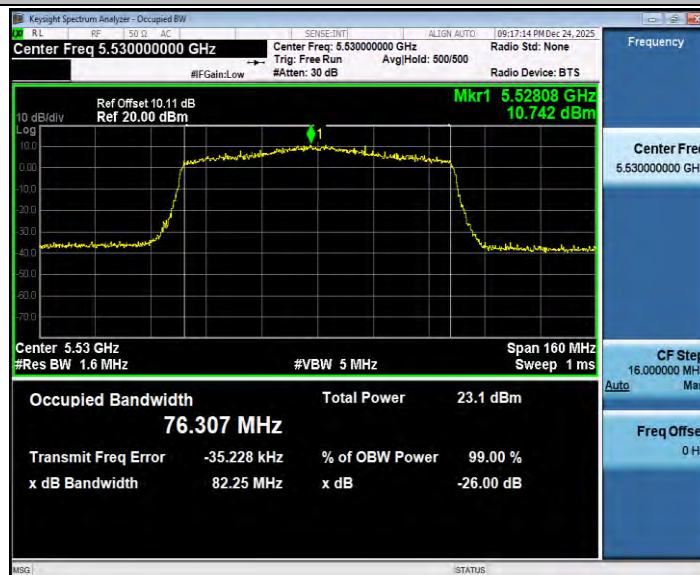
11AX40SISO_Ant2_5590



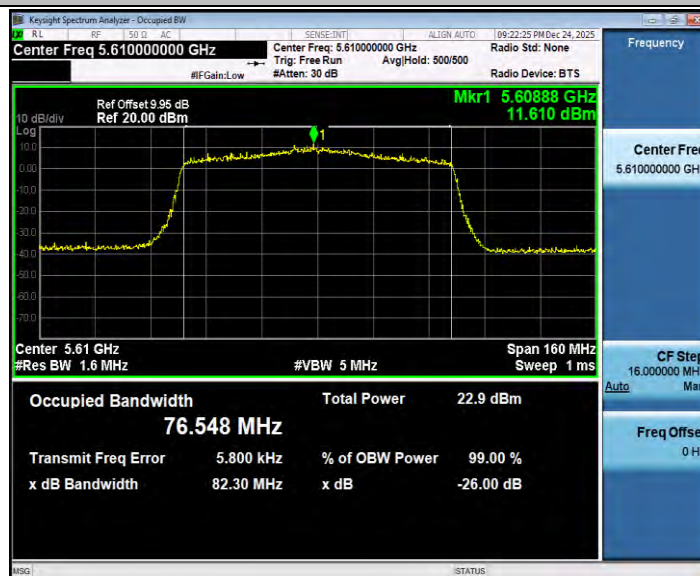
11AX40SISO_Ant2_5670



11AX80ISO_Ant2_5530



11AX80ISO_Ant2_5610

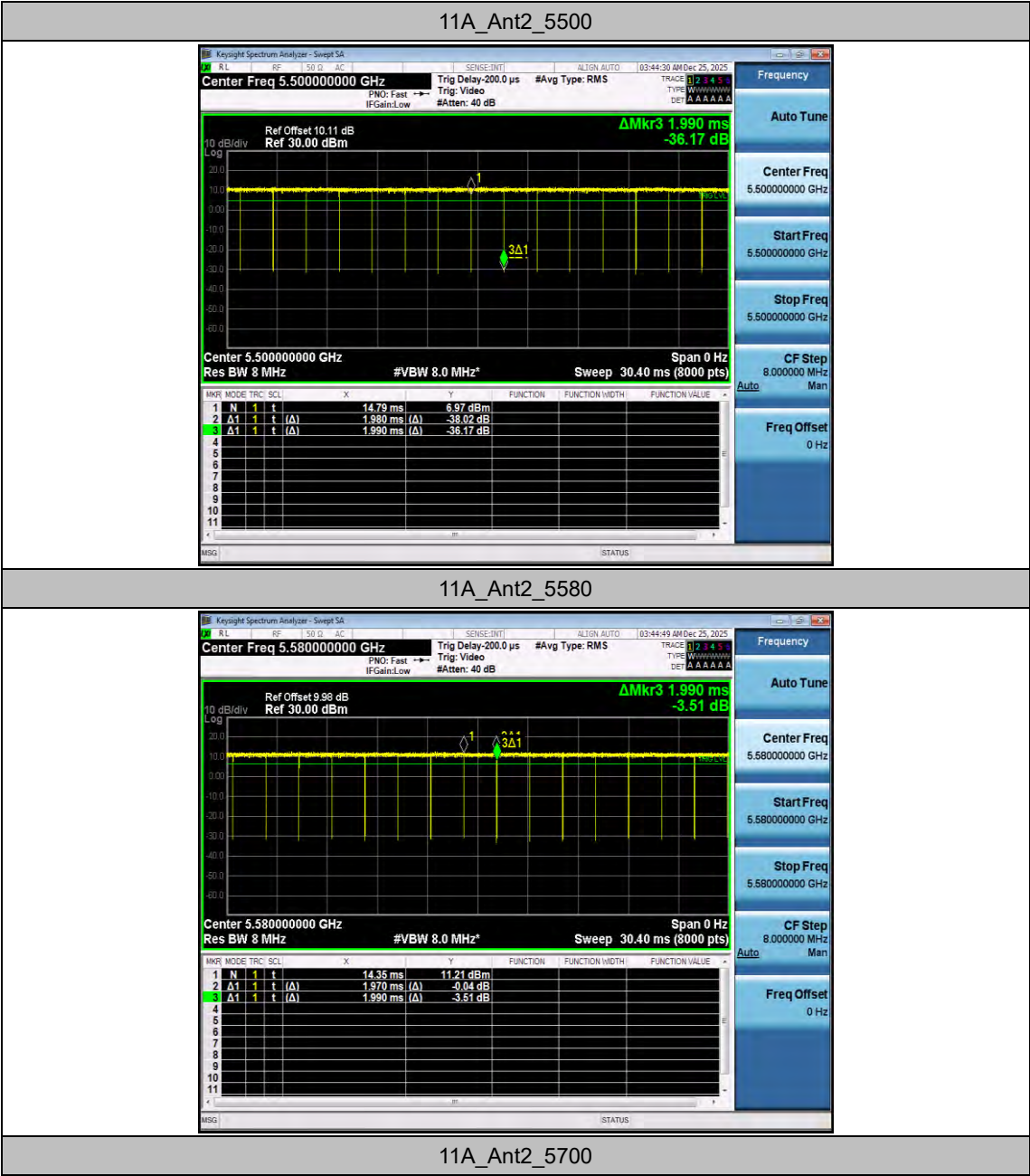


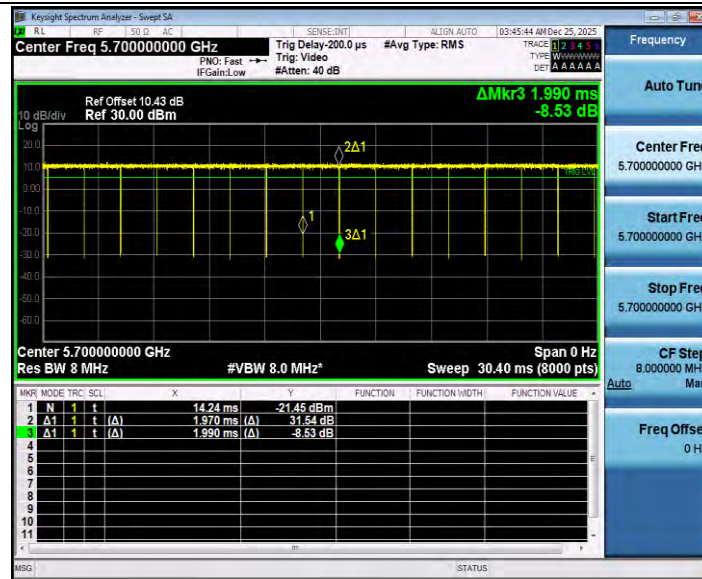
AppendixD.3: Duty Cycle

Test Result

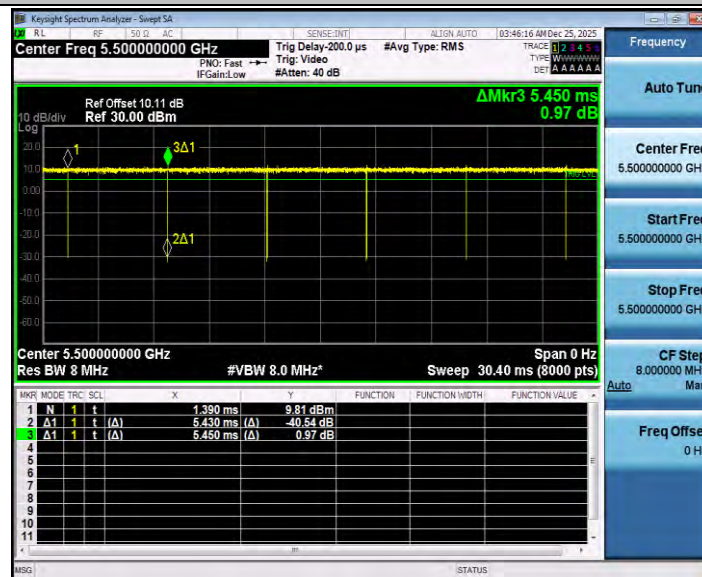
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5500	1.98	1.99	99.50	0.02	0.51
		5580	1.97	1.99	98.99	0.04	0.51
		5700	1.97	1.99	98.99	0.04	0.51
11N20SISO	Ant2	5500	5.43	5.45	99.63	0.02	0.18
		5580	5.43	5.45	99.63	0.02	0.18
		5700	5.43	5.45	99.63	0.02	0.18
11N40SISO	Ant2	5510	5.43	5.45	99.63	0.02	0.18
		5590	5.42	5.44	99.63	0.02	0.18
		5670	5.43	5.45	99.63	0.02	0.18
11AC20SISO	Ant2	5500	5.43	5.45	99.63	0.02	0.18
		5580	5.42	5.44	99.63	0.02	0.18
		5700	5.43	5.45	99.63	0.02	0.18
11AC40SISO	Ant2	5510	5.42	5.44	99.63	0.02	0.18
		5590	5.43	5.45	99.63	0.02	0.18
		5670	5.43	5.45	99.63	0.02	0.18
11AC80SISO	Ant2	5530	5.42	5.44	99.63	0.02	0.18
		5610	5.43	5.45	99.63	0.02	0.18
11AX20SISO	Ant2	5500	5.44	5.79	93.96	0.27	0.18
		5580	5.44	5.46	99.63	0.02	0.18
		5700	5.45	5.46	99.82	0.01	0.18
11AX40SISO	Ant2	5510	5.44	5.46	99.63	0.02	0.18
		5590	5.45	5.47	99.63	0.02	0.18
		5670	5.44	5.79	93.96	0.27	0.18
11AX80SISO	Ant2	5530	5.44	5.79	93.96	0.27	0.18
		5610	5.44	5.81	93.63	0.29	0.18

Test Graphs

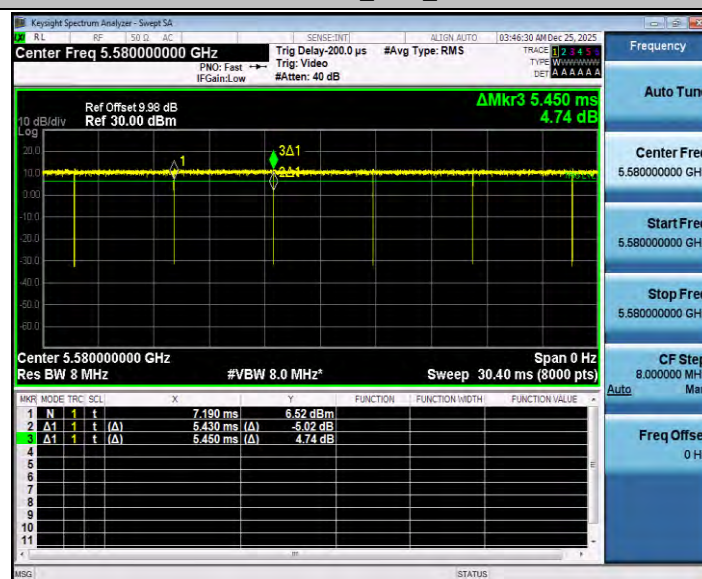


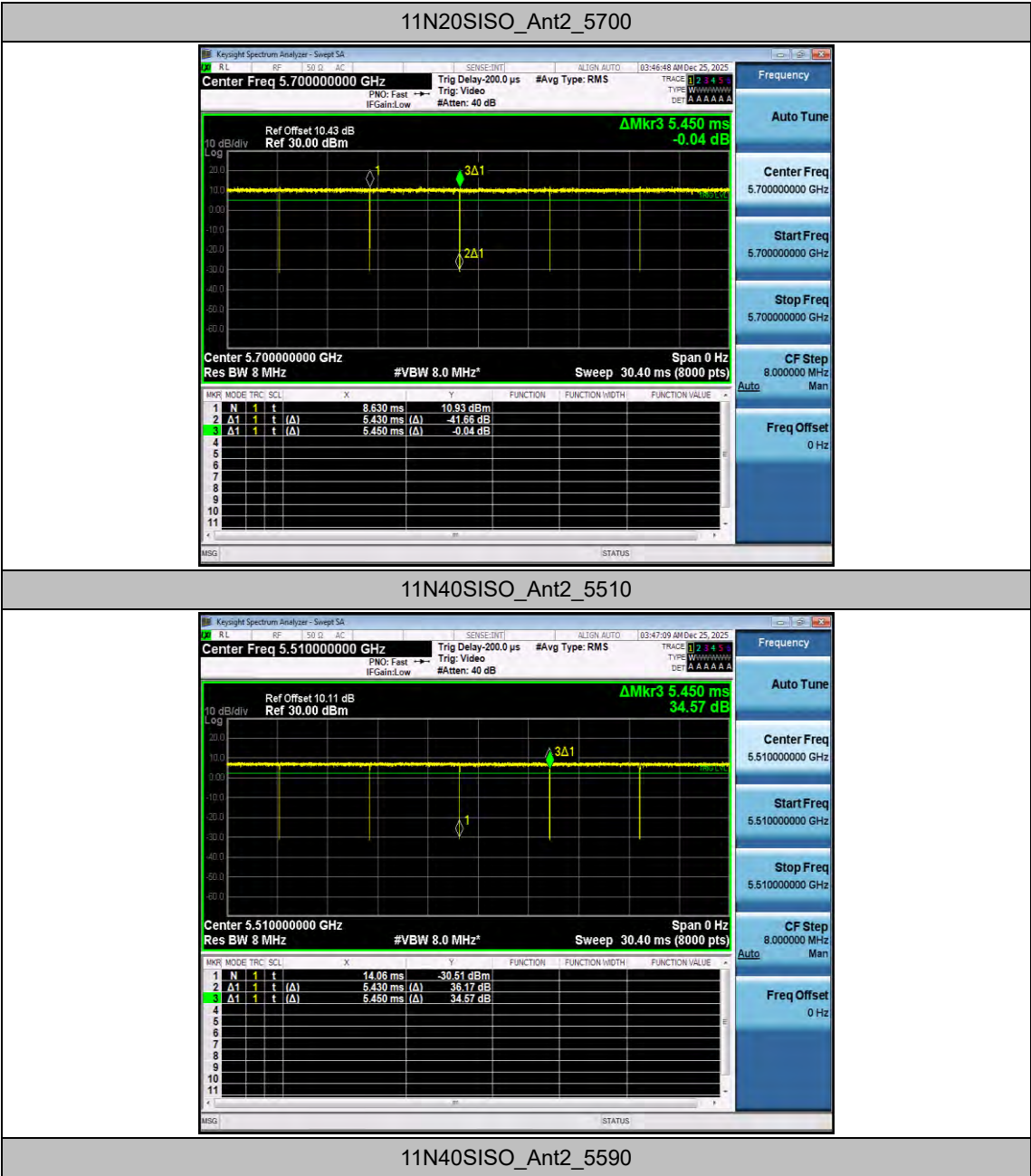


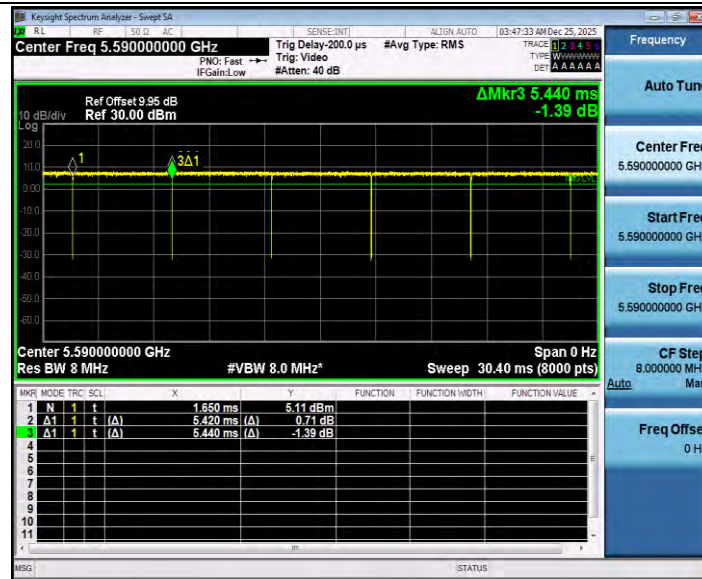
11N20SISO_Ant2_5500



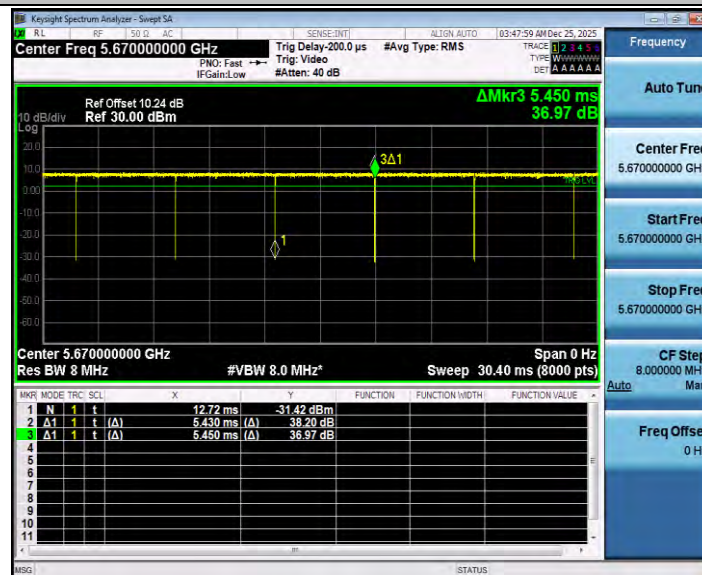
11N20SISO_Ant2_5580



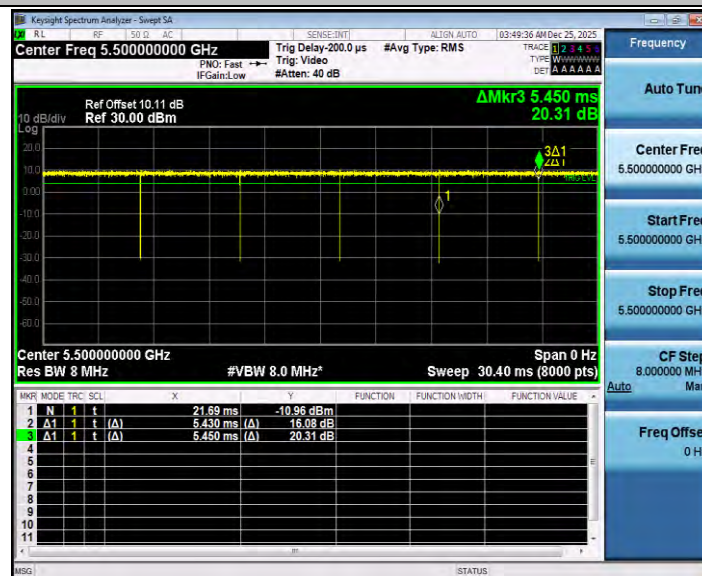


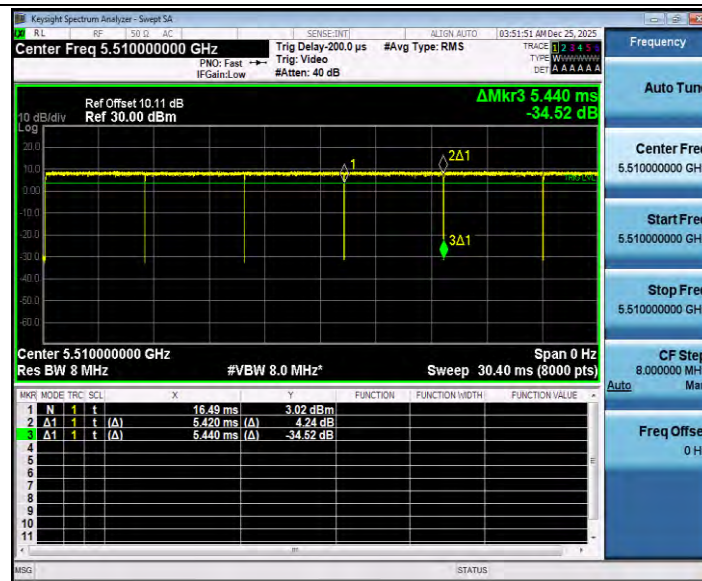


11N40SISO_Ant2_5670

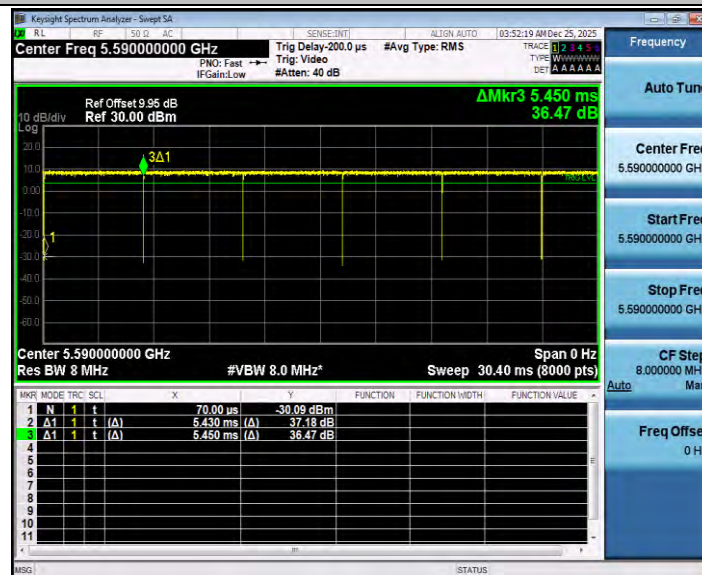


11AC20SISO_Ant2_5500

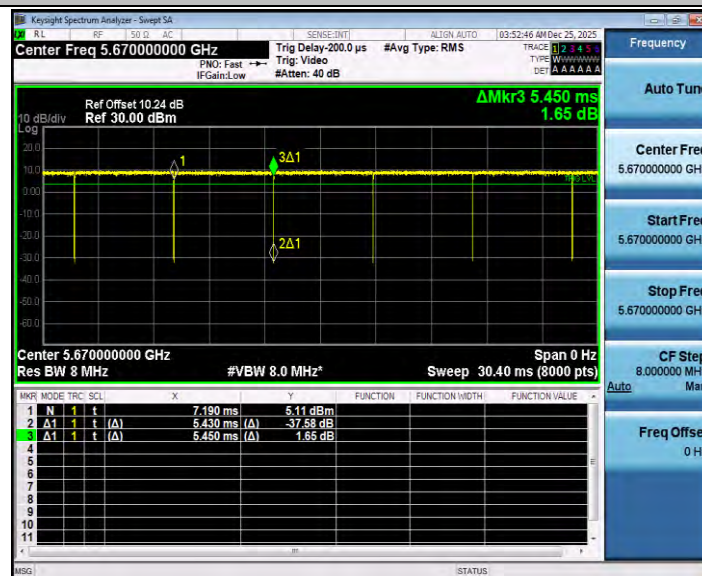


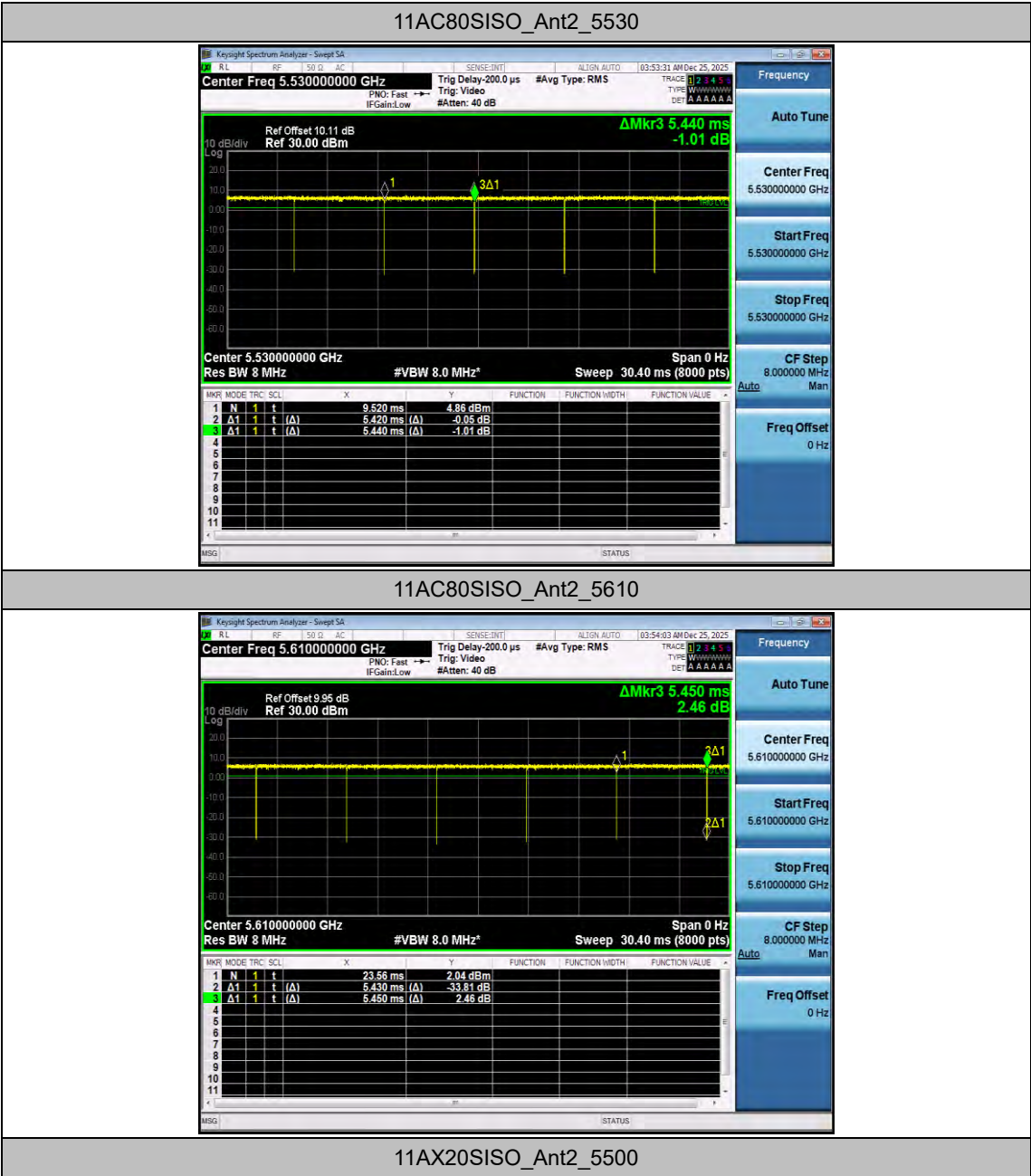


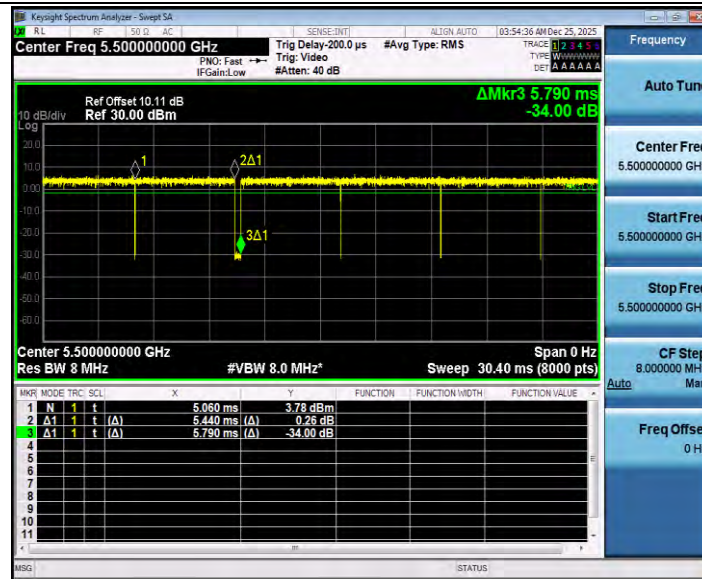
11AC40SISO_Ant2_5590



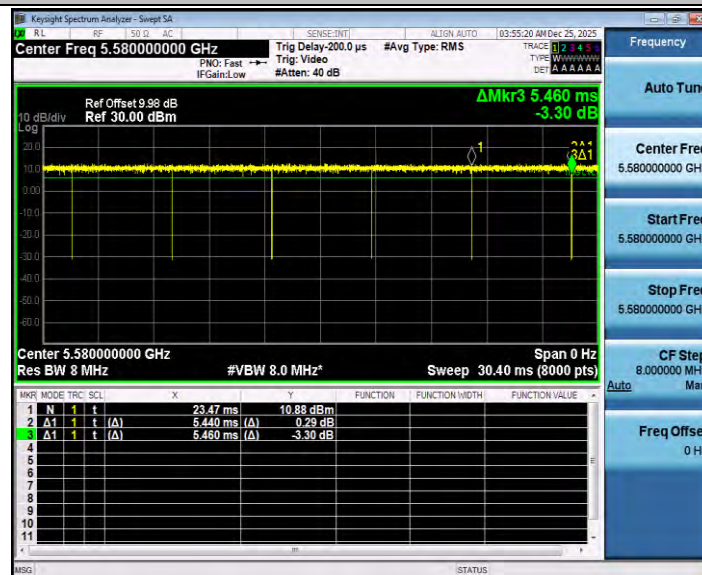
11AC40SISO_Ant2_5670



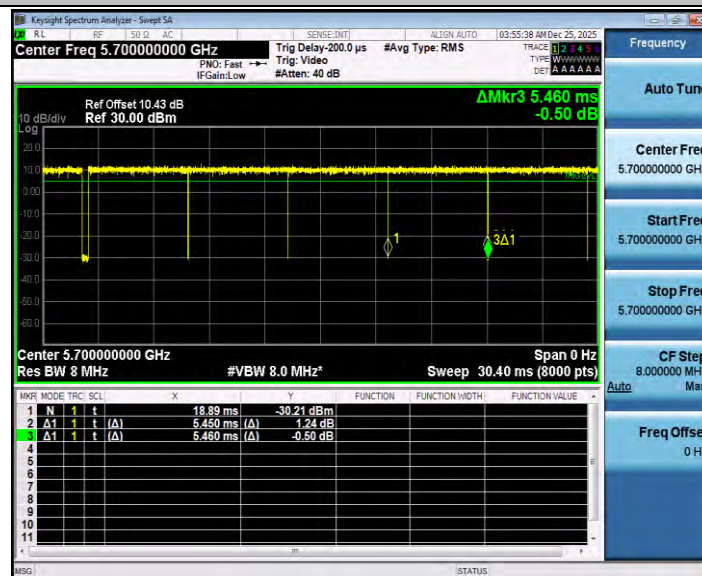




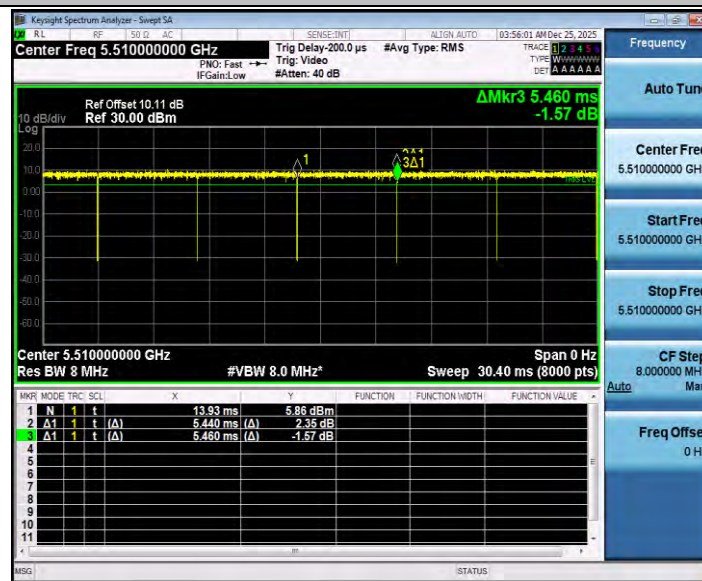
11AX20SISO_Ant2_5580



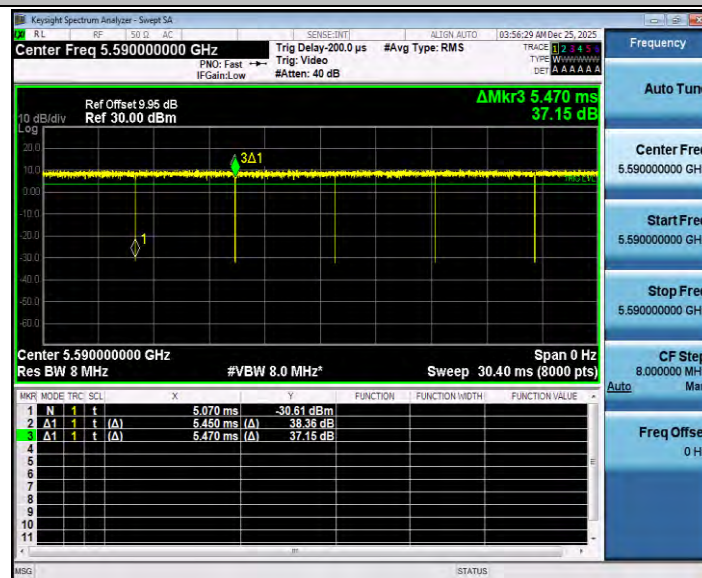
11AX20SISO_Ant2_5700



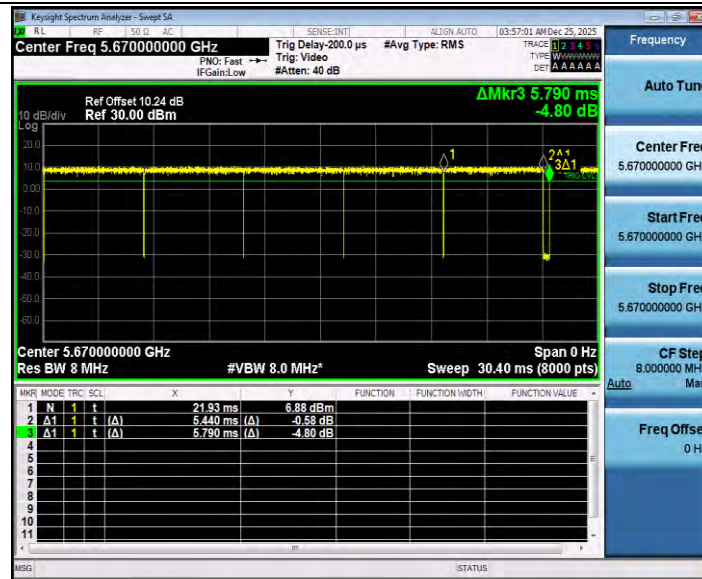
11AX40SISO_Ant2_5510



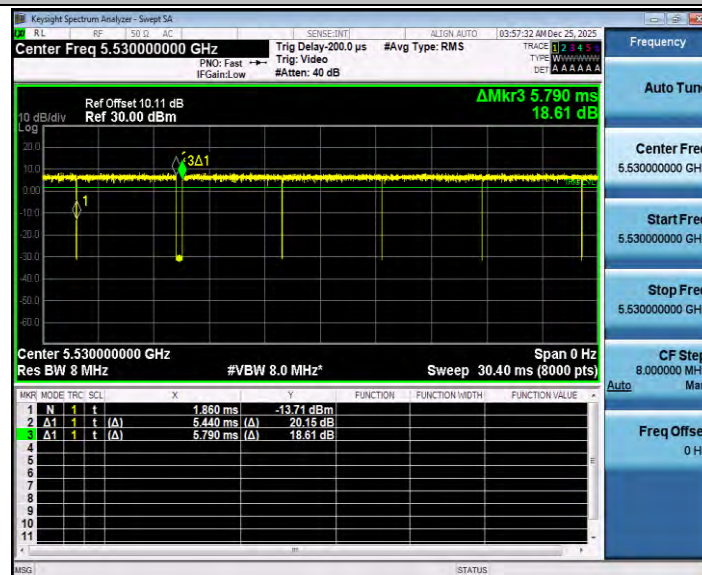
11AX40SISO_Ant2_5590



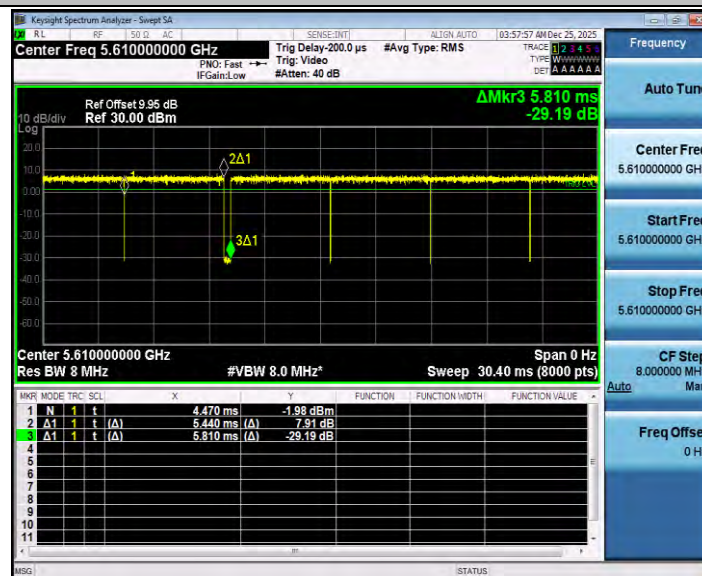
11AX40SISO_Ant2_5670



11AX80SISO_Ant2_5530



11AX80SISO_Ant2_5610



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5500	12.85	99.00	0.04	12.89	≤23.68	PASS
		5580	13.44	98.99	0.04	13.48	≤23.71	PASS
		5700	12.73	98.99	0.04	12.77	≤23.71	PASS
11N20SI SO	Ant2	5500	12.03	93.30	0.30	12.33	≤23.96	PASS
		5580	13.17	99.63	0.02	13.19	≤23.98	PASS
		5700	12.32	99.63	0.02	12.34	≤23.98	PASS
11N40SI SO	Ant2	5510	12.86	94.11	0.26	13.12	≤23.98	PASS
		5590	13.52	99.63	0.02	13.54	≤23.98	PASS
		5670	13.55	93.94	0.27	13.82	≤23.98	PASS
11AC20S ISO	Ant2	5500	12.29	99.63	0.02	12.31	≤23.98	PASS
		5580	13.12	93.46	0.29	13.41	≤23.98	PASS
		5700	12.42	99.63	0.02	12.44	≤23.98	PASS
11AC40S ISO	Ant2	5510	12.88	99.82	0.01	12.89	≤23.98	PASS
		5590	13.50	99.63	0.02	13.52	≤23.98	PASS
		5670	13.51	99.82	0.01	13.52	≤23.98	PASS
11AC80S ISO	Ant2	5530	12.45	99.82	0.01	12.46	≤23.98	PASS
		5610	12.60	99.63	0.02	12.62	≤23.98	PASS
11AX20SI SO	Ant2	5500	12.14	99.63	0.02	12.16	≤23.98	PASS
		5580	14.50	99.63	0.02	14.52	≤23.98	PASS
		5700	13.73	99.63	0.02	13.75	≤23.98	PASS
11AX40SI SO	Ant2	5510	13.91	99.63	0.02	13.93	≤23.98	PASS
		5590	14.11	99.63	0.02	14.13	≤23.98	PASS
		5670	14.14	99.82	0.01	14.15	≤23.98	PASS
11AX80SI SO	Ant2	5530	13.82	99.82	0.01	13.83	≤23.98	PASS
		5610	13.55	99.63	0.02	13.57	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5500	2.46	≤11.00	PASS
		5580	3.18	≤11.00	PASS
		5700	2.67	≤11.00	PASS
11N20SISO	Ant2	5500	1.85	≤11.00	PASS
		5580	2.53	≤11.00	PASS
		5700	1.88	≤11.00	PASS
11N40SISO	Ant2	5510	0.24	≤11.00	PASS
		5590	0.59	≤11.00	PASS
		5670	0.76	≤11.00	PASS
11AC20SISO	Ant2	5500	1.59	≤11.00	PASS
		5580	2.78	≤11.00	PASS
		5700	1.92	≤11.00	PASS
11AC40SISO	Ant2	5510	-0.08	≤11.00	PASS
		5590	0.59	≤11.00	PASS
		5670	0.55	≤11.00	PASS
11AC80SISO	Ant2	5530	-2.14	≤11.00	PASS
		5610	-2.09	≤11.00	PASS
11AX20SISO	Ant2	5500	1.46	≤11.00	PASS
		5580	3.73	≤11.00	PASS
		5700	3.13	≤11.00	PASS
11AX40SISO	Ant2	5510	1.03	≤11.00	PASS
		5590	1.08	≤11.00	PASS
		5670	1.18	≤11.00	PASS
11AX80SISO	Ant2	5530	-0.82	≤11.00	PASS
		5610	-1.36	≤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 Factorand RBW Factoriscompensatedinthegraph.

Test Graphs

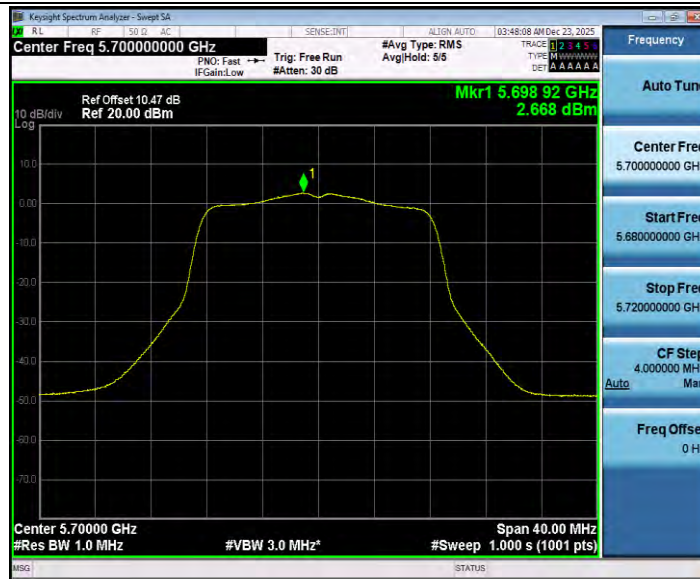
11A_Ant2_5500



11A_Ant2_5580



11A_Ant2_5700



11N20SISO_Ant2_5500



11N20SISO_Ant2_5580



11N20SISO_Ant2_5700



11N40SISO_Ant2_5510



11N40SISO_Ant2_5590



11N40SISO_Ant2_5670



11AC20SISO_Ant2_5500



11AC20SISO_Ant2_5580



11AC20SISO_Ant2_5700



11AC40SISO_Ant2_5510



11AC40SISO_Ant2_5590



11AC40SISO_Ant2_5670



11AC80SISO_Ant2_5530



11AC80SISO_Ant2_5610



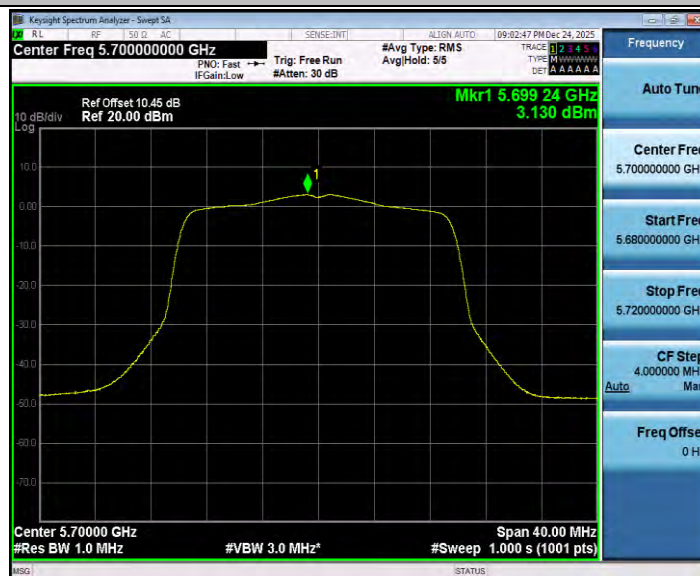
11AX20SISO_Ant2_5500



11AX20SISO_Ant2_5580



11AX20SISO_Ant2_5700



11AX40SISO_Ant2_5510



11AX40SISO_Ant2_5590



11AX40SISO_Ant2_5670



11AX80ISO_Ant2_5530



11AX80ISO_Ant2_5610

