

Case No. : <u>GTS20250825004-1-14</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

AppendixF.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	25.360	5487.760	5513.120	---	---
		5580	24.960	5567.360	5592.320	---	---
		5700	25.040	5687.040	5712.080	---	---
11N20SISO	Ant1	5500	26.560	5487.240	5513.800	---	---
		5580	28.880	5566.320	5595.200	---	---
		5700	26.600	5686.440	5713.040	---	---
11N40SISO	Ant1	5510	46.240	5487.840	5534.080	---	---
		5590	48.000	5565.920	5613.920	---	---
		5670	47.120	5647.040	5694.160	---	---
11AC20SISO	Ant1	5500	26.400	5487.160	5513.560	---	---
		5580	27.280	5565.960	5593.240	---	---
		5700	26.600	5686.640	5713.240	---	---
11AC40SISO	Ant1	5510	48.640	5487.280	5535.920	---	---
		5590	47.120	5566.560	5613.680	---	---
		5670	46.560	5646.800	5693.360	---	---
11AC80SISO	Ant1	5530	125.280	5458.000	5583.280	---	---
		5610	95.200	5559.760	5654.960	---	---
11AX20SISO	Ant1	5500	26.480	5487.640	5514.120	---	---
		5580	26.200	5567.000	5593.200	---	---
		5700	26.120	5686.840	5712.960	---	---
11AX40SISO	Ant1	5510	45.520	5487.920	5533.440	---	---
		5590	38.560	5570.720	5609.280	---	---
		5670	47.200	5646.320	5693.520	---	---
11AX80SISO	Ant1	5530	85.920	5487.280	5573.200	---	---
		5610	86.880	5566.800	5653.680	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



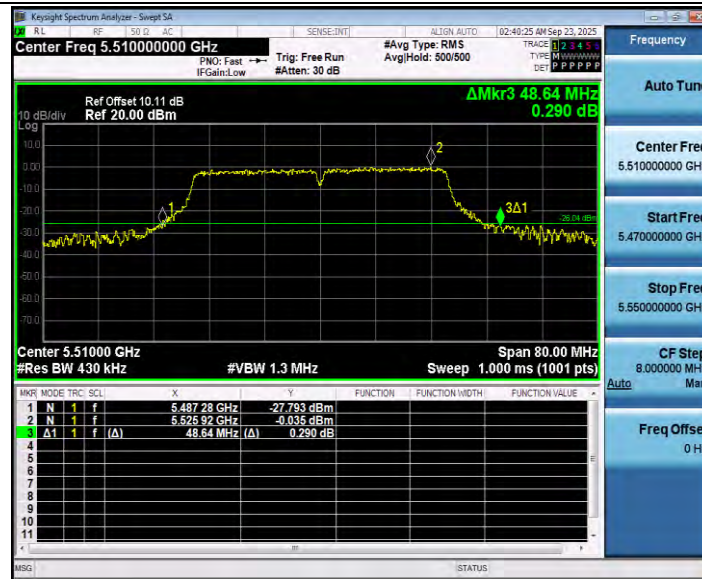
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11AC20SISO_Ant1_5700



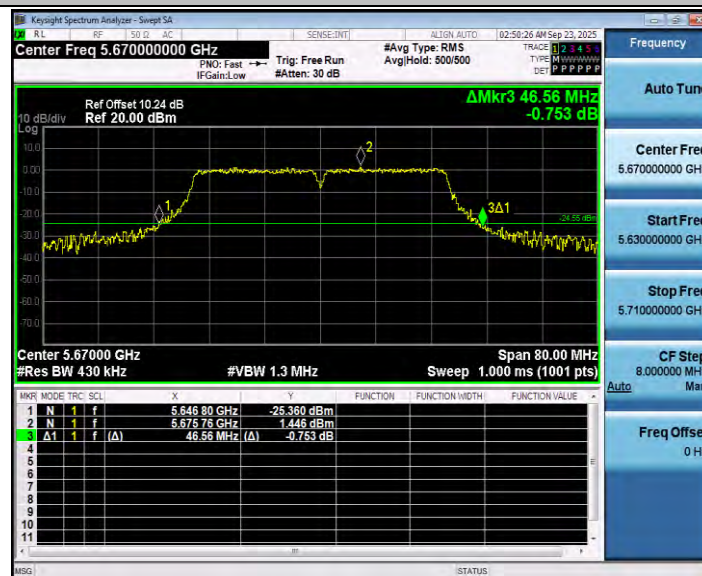
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



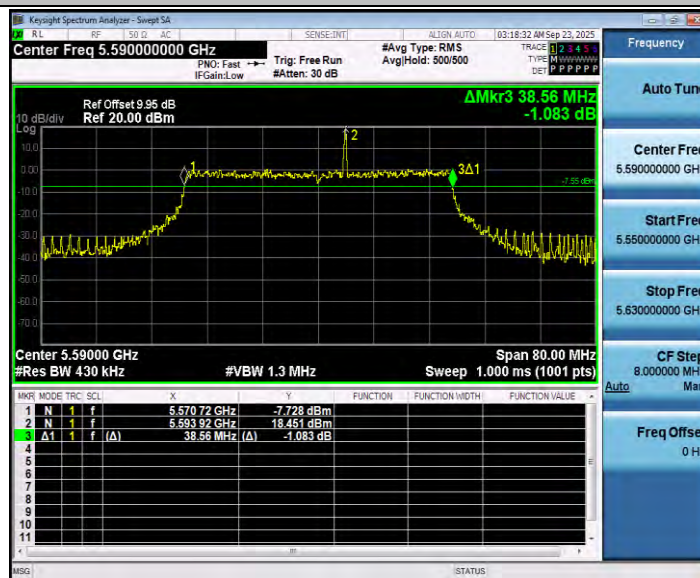
11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610



AppendixF.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.940	5491.0746	5509.0146	---	---
		5580	18.038	5570.9096	5588.9476	---	---
		5700	17.905	5690.9402	5708.8452	---	---
11N20SISO	Ant1	5500	19.049	5490.5811	5509.6301	---	---
		5580	19.085	5570.3667	5589.4517	---	---
		5700	19.001	5690.4240	5709.4250	---	---
11N40SISO	Ant1	5510	37.621	5491.3857	5529.0067	---	---
		5590	37.679	5571.1800	5608.8590	---	---
		5670	37.564	5651.2203	5688.7843	---	---
11AC20SISO	Ant1	5500	19.053	5490.5734	5509.6264	---	---
		5580	19.128	5570.3782	5589.5062	---	---
		5700	18.938	5690.5093	5709.4473	---	---
11AC40SISO	Ant1	5510	37.756	5491.3562	5529.1122	---	---
		5590	37.806	5571.1265	5608.9325	---	---
		5670	37.678	5651.2187	5688.8967	---	---
11AC80SISO	Ant1	5530	76.677	5491.7019	5568.3789	---	---
		5610	77.149	5571.4437	5648.5927	---	---
11AX20SISO	Ant1	5500	19.683	5490.2742	5509.9572	---	---
		5580	19.655	5570.1376	5589.7926	---	---
		5700	19.660	5690.1938	5709.8538	---	---
11AX40SISO	Ant1	5510	38.534	5490.8623	5529.3963	---	---
		5590	38.616	5570.7235	5609.3395	---	---
		5670	38.545	5650.7416	5689.2866	---	---
11AX80SISO	Ant1	5530	77.939	5491.0824	5569.0214	---	---
		5610	78.243	5570.9538	5649.1968	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



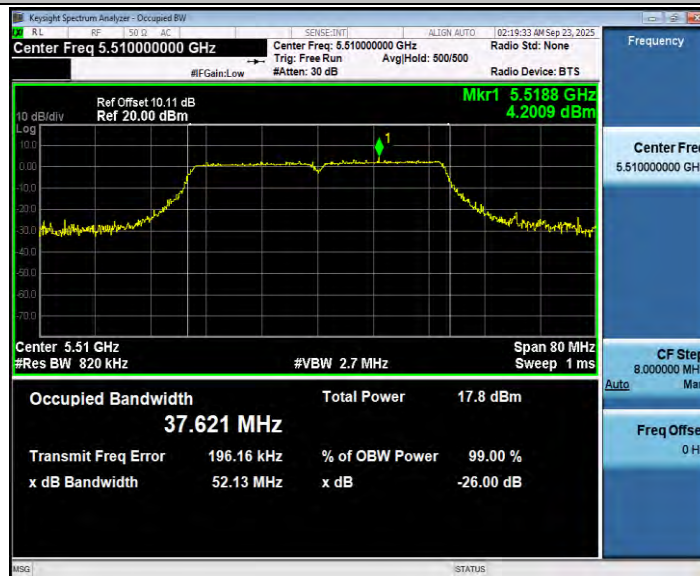
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11N20SISO_Ant1_5700



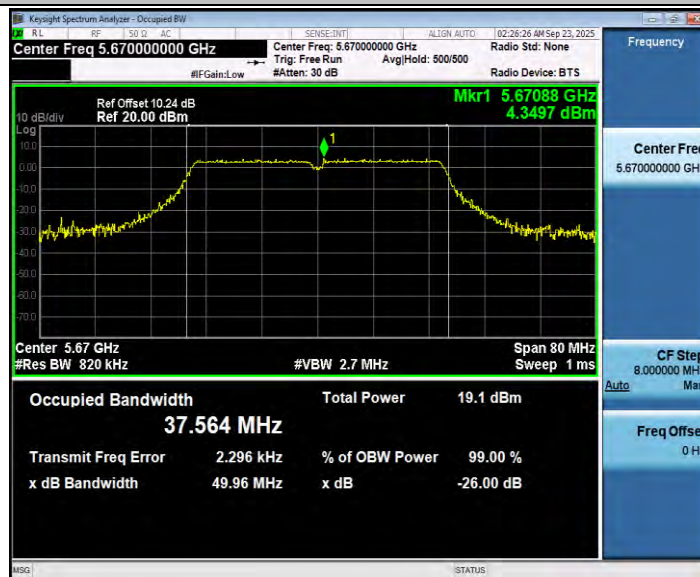
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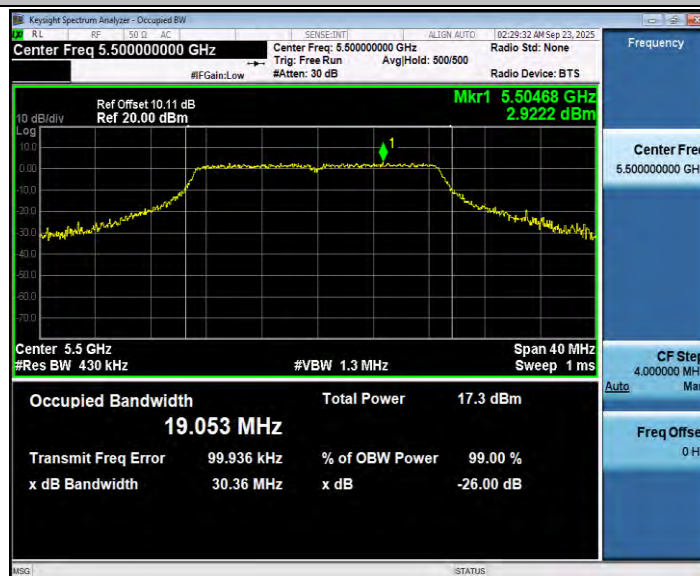
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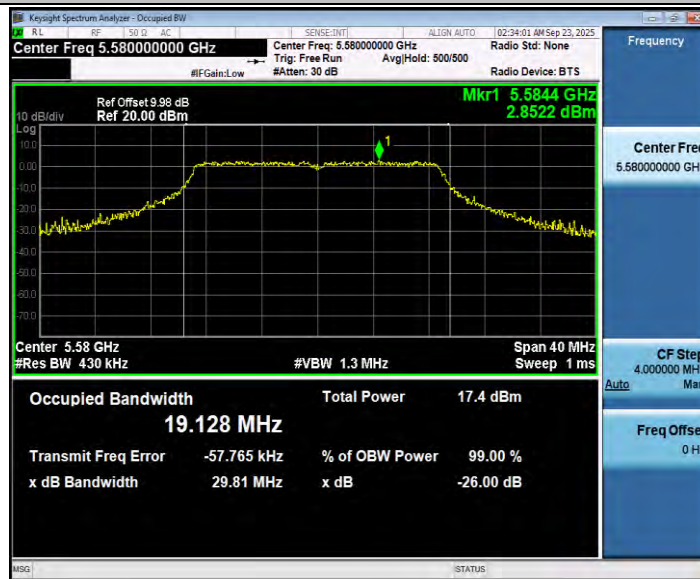
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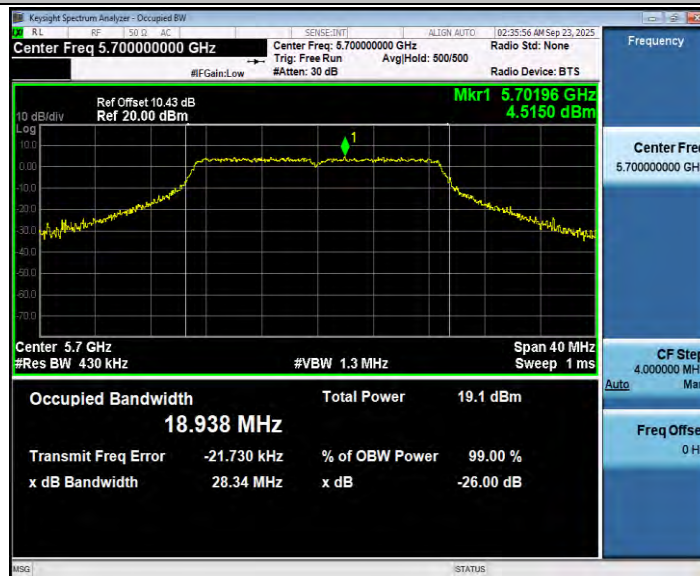
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11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



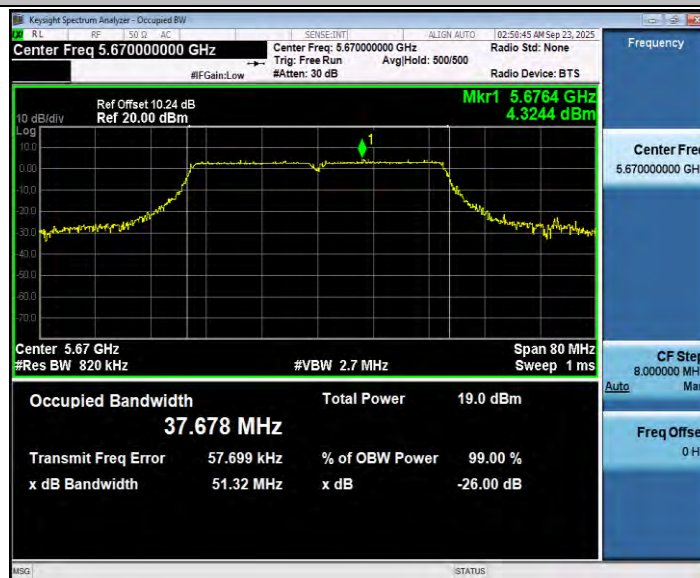
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11AC40SISO_Ant1_5590



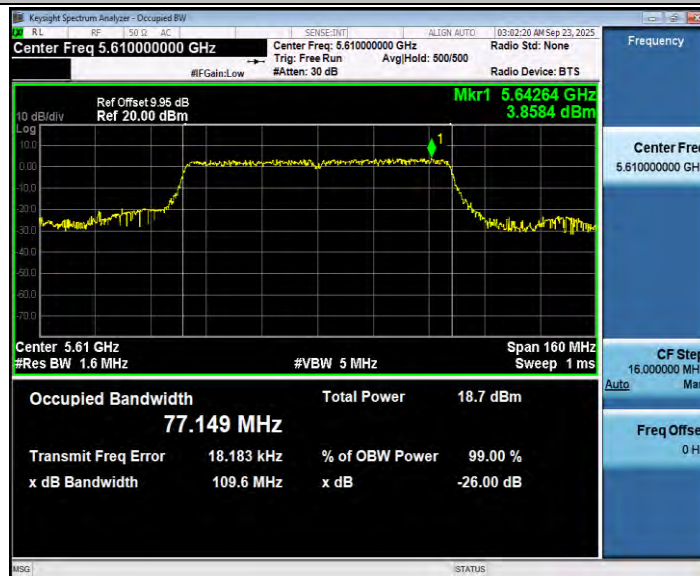
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



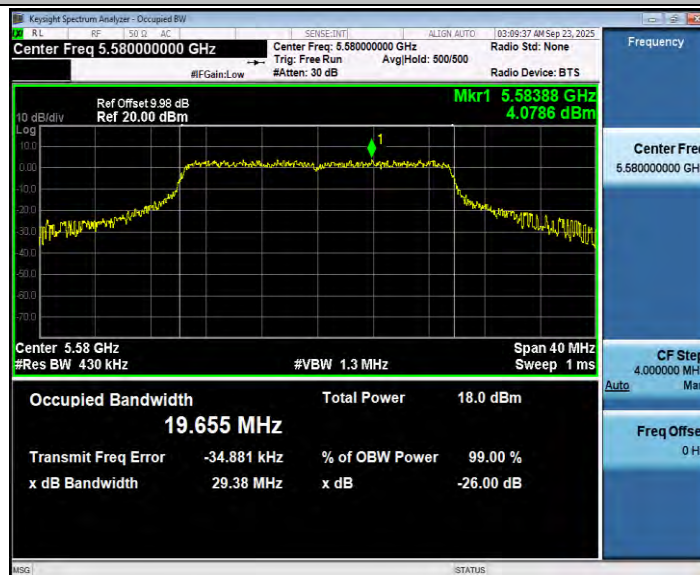
11AC80SISO_Ant1_5610



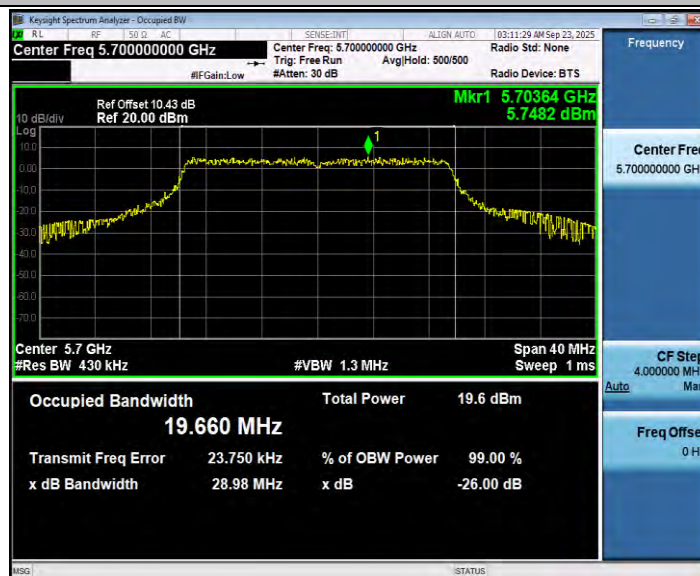
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



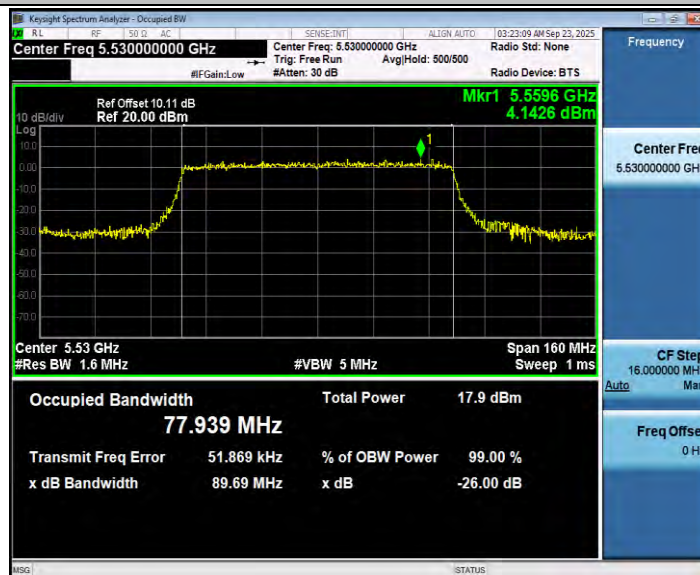
11AX40SISO_Ant1_5590



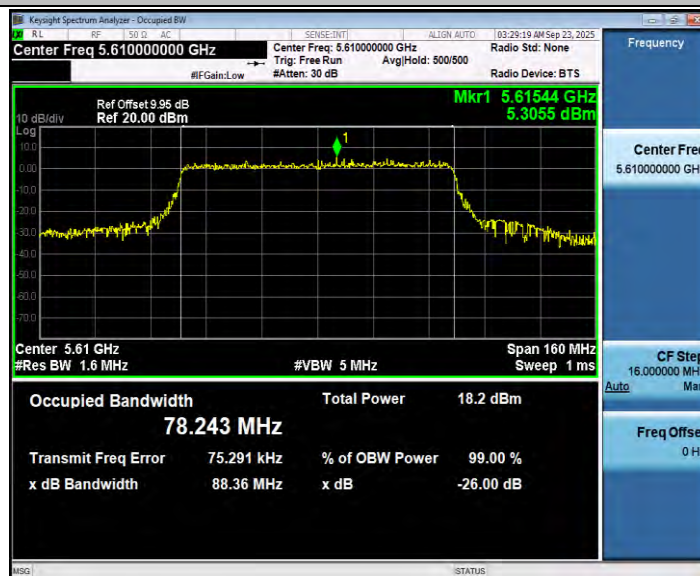
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

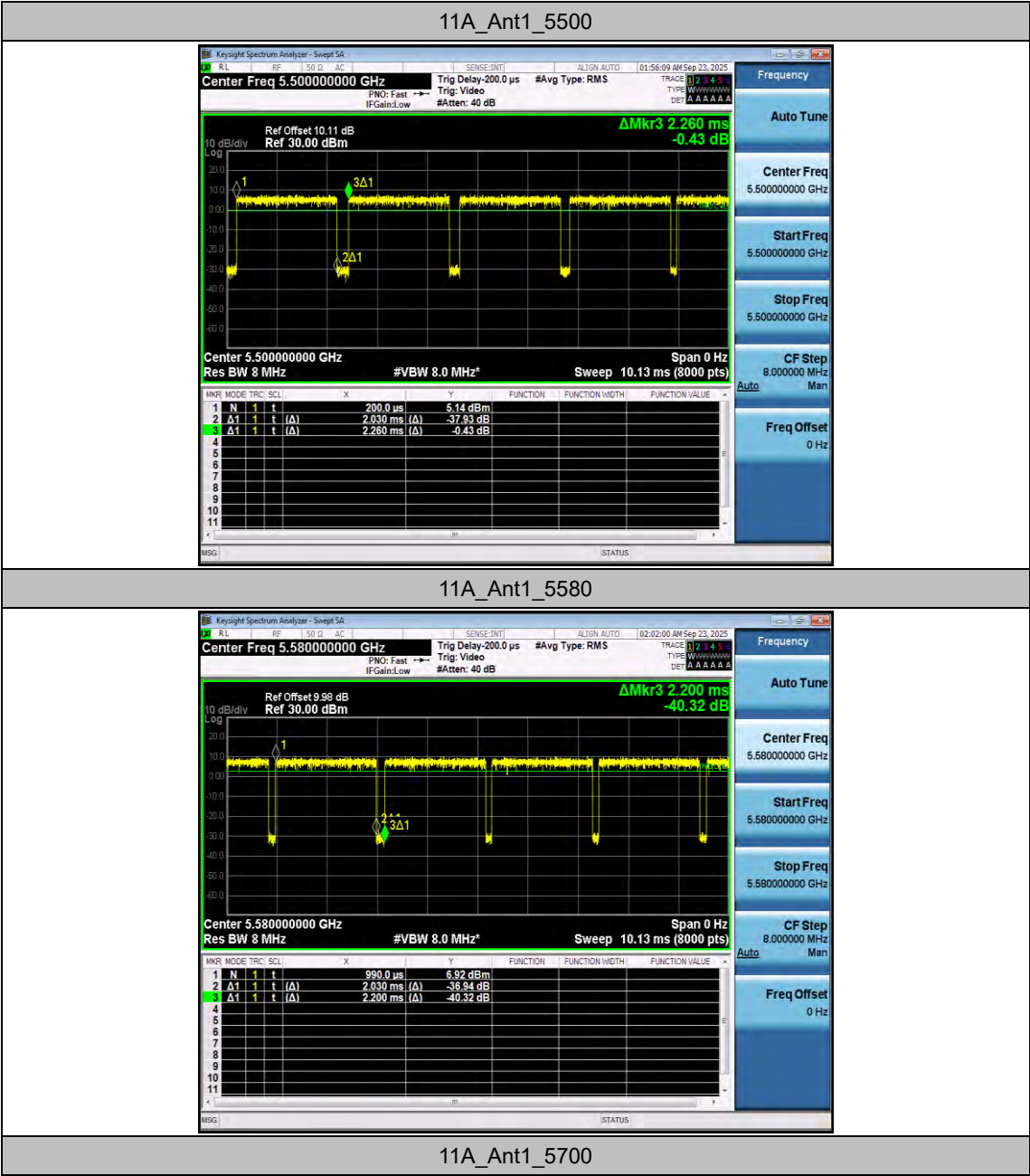


Appendix F.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	2.26	89.82	0.47	0.49
		5580	2.03	2.20	92.27	0.35	0.49
		5700	2.03	2.19	92.69	0.33	0.49
11N20SISO	Ant1	5500	1.90	2.12	89.62	0.48	0.53
		5580	1.89	2.06	91.75	0.37	0.53
		5700	1.89	2.07	91.30	0.40	0.53
11N40SISO	Ant1	5510	0.93	1.40	66.43	1.78	1.08
		5590	0.94	1.16	81.03	0.91	1.06
		5670	0.93	1.12	83.04	0.81	1.08
11AC20SISO	Ant1	5500	1.90	2.12	89.62	0.48	0.53
		5580	1.90	2.14	88.79	0.52	0.53
		5700	1.90	2.20	86.36	0.64	0.53
11AC40SISO	Ant1	5510	0.93	1.15	80.87	0.92	1.08
		5590	0.94	1.42	66.20	1.79	1.06
		5670	0.94	1.40	67.14	1.73	1.06
11AC80SISO	Ant1	5530	0.46	0.68	67.65	1.70	2.17
		5610	0.45	0.67	67.16	1.73	2.22
11AX20SISO	Ant1	5500	1.46	1.69	86.39	0.64	0.68
		5580	1.46	1.70	85.88	0.66	0.68
		5700	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5510	0.76	0.98	77.55	1.10	1.32
		5590	0.76	1.00	76.00	1.19	1.32
		5670	0.76	1.23	61.79	2.09	1.32
11AX80SISO	Ant1	5530	0.39	0.61	63.93	1.94	2.56
		5610	0.40	0.64	62.50	2.04	2.50

Test Graphs



11A_Ant1_5580

Frequency

Auto Tune

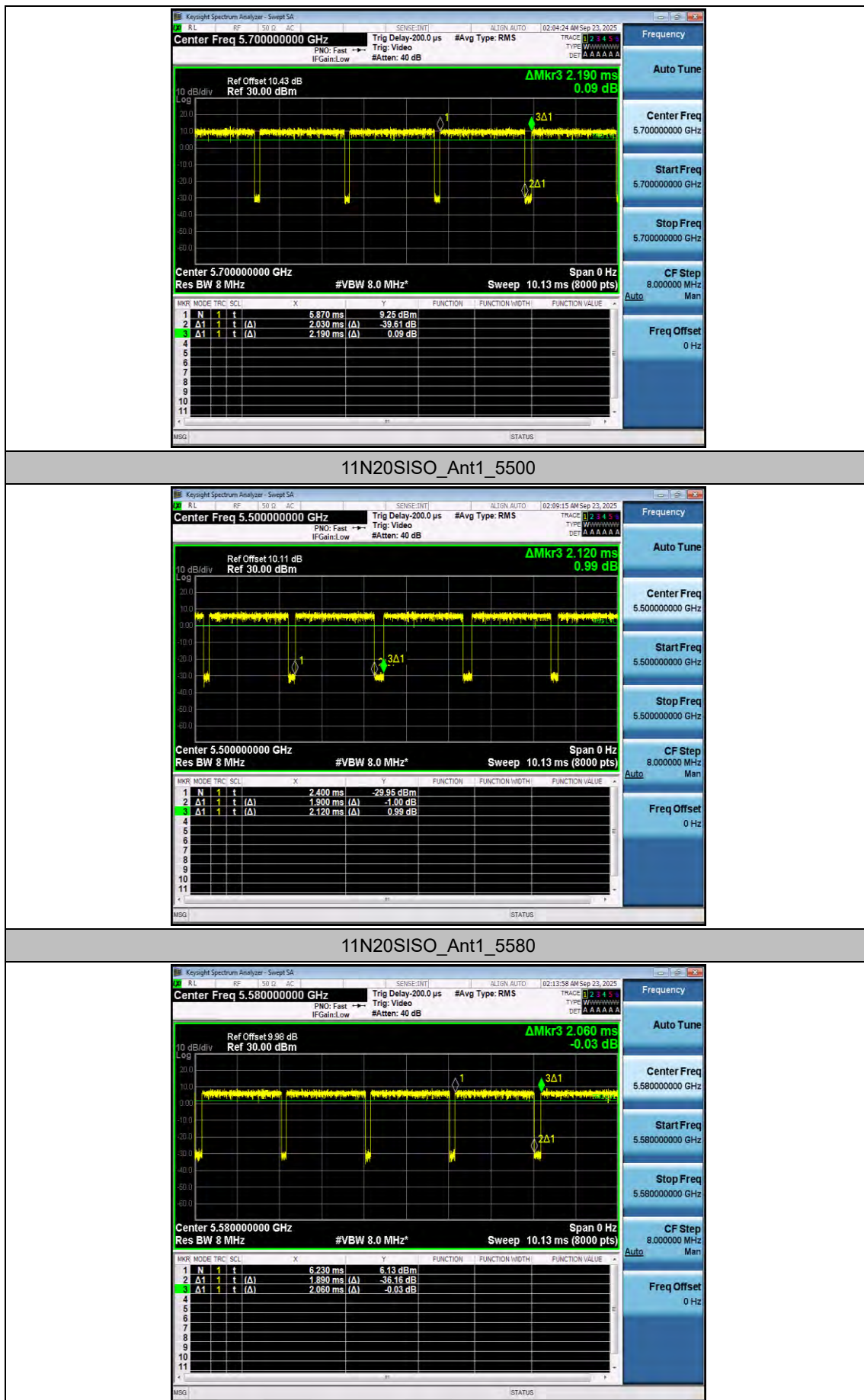
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5.580000000 GHzStop Freq
5.580000000 GHzCF Step
8.0000000 MHz

Auto

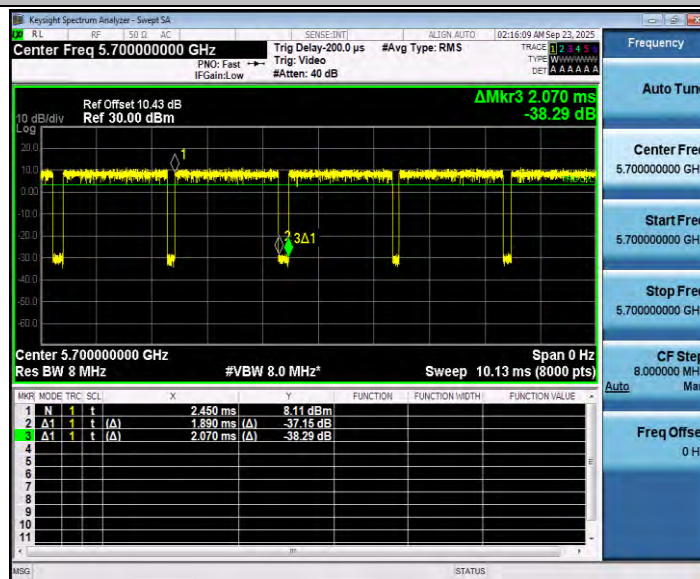
Man

Freq Offset
0 Hz

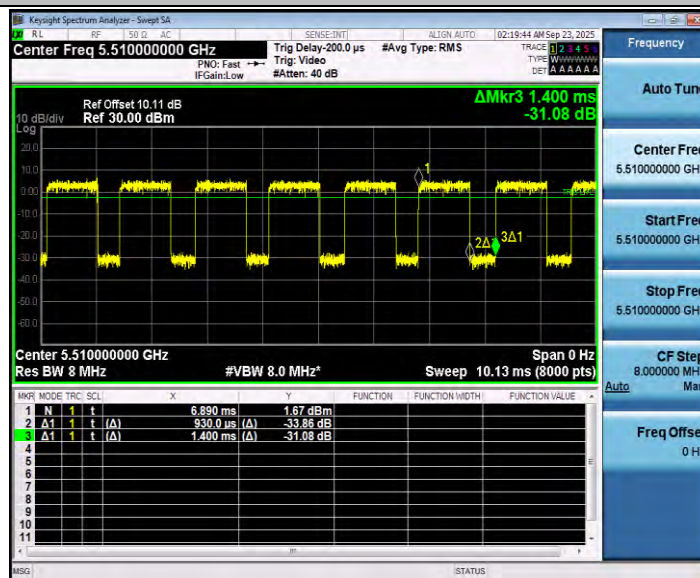
11A_Ant1_5700



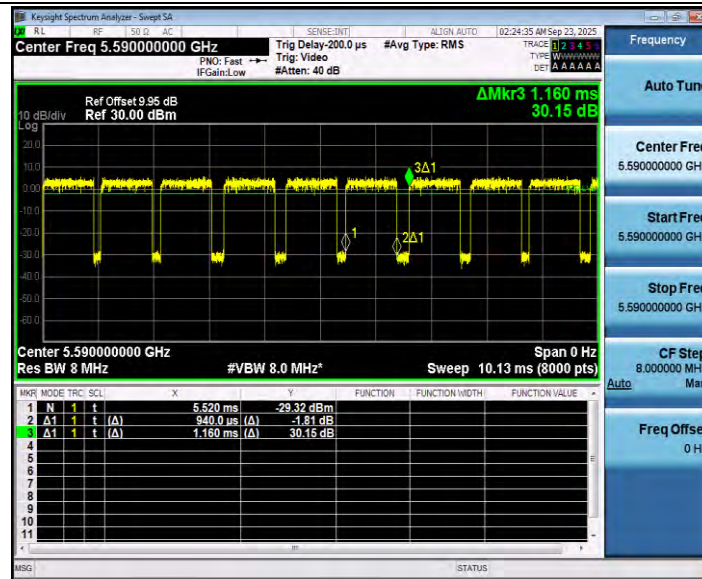
11N20SISO_Ant1_5700



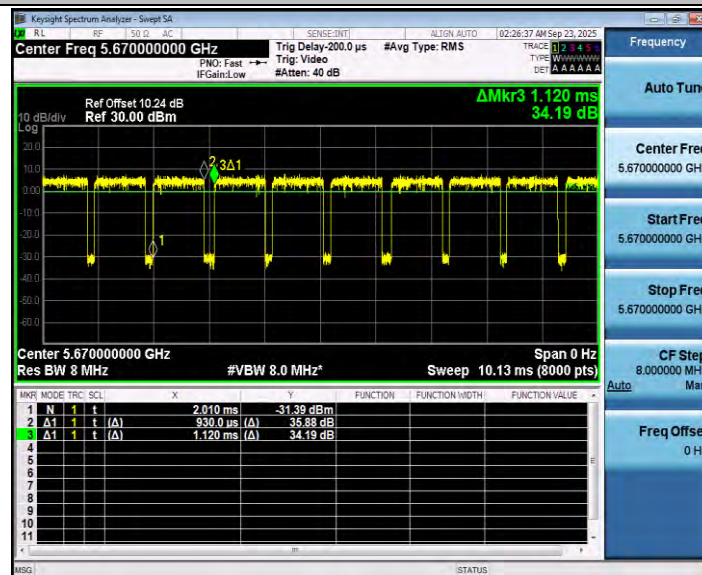
11N40SISO_Ant1_5510



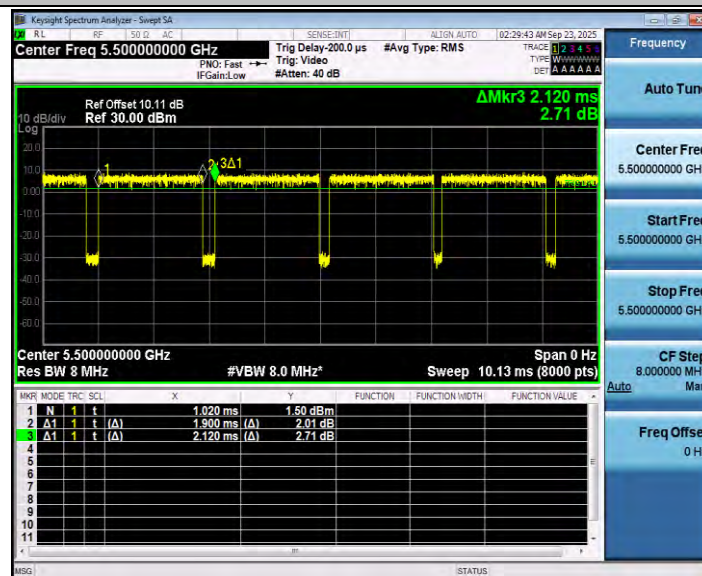
11N40SISO_Ant1_5590

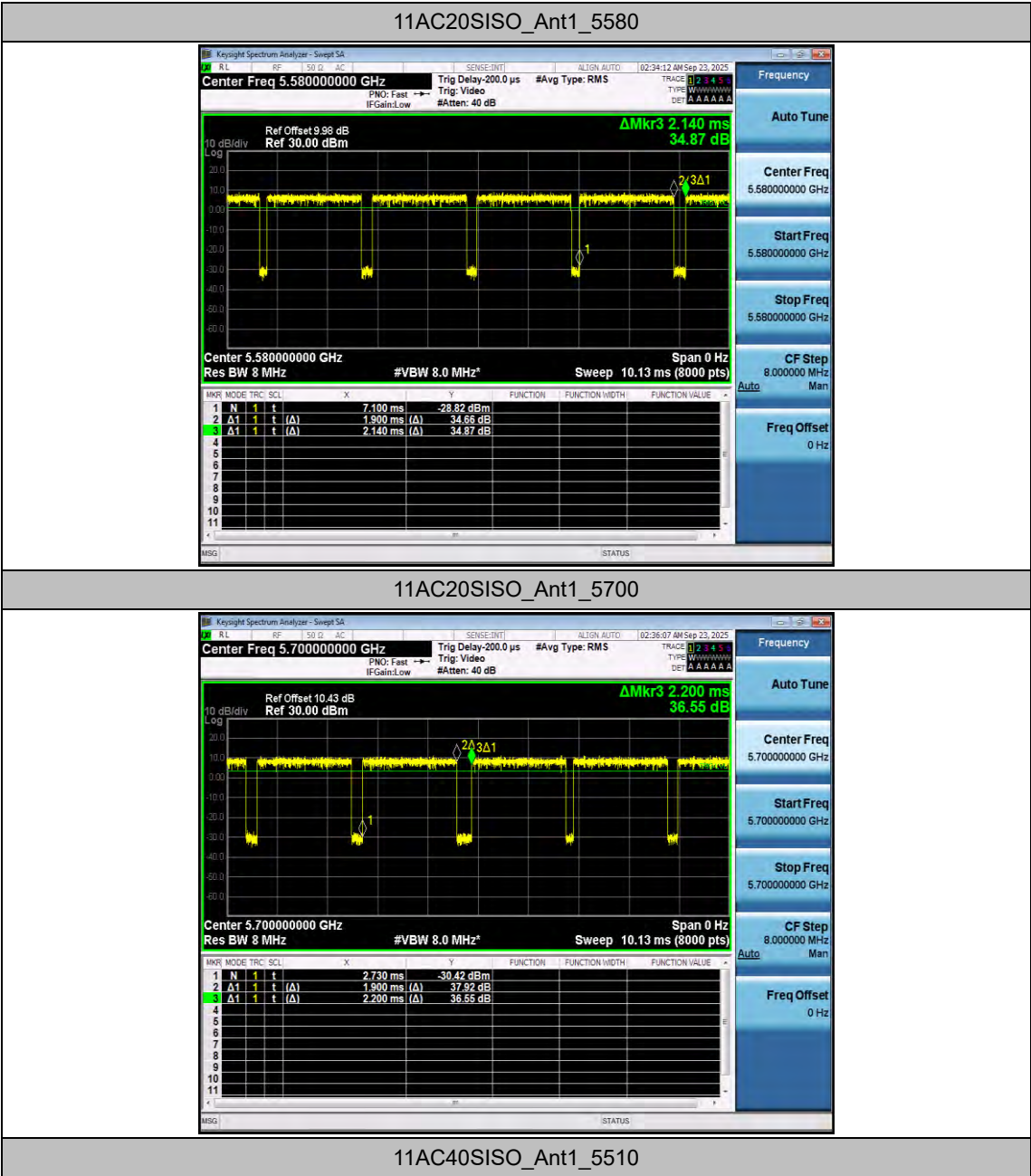


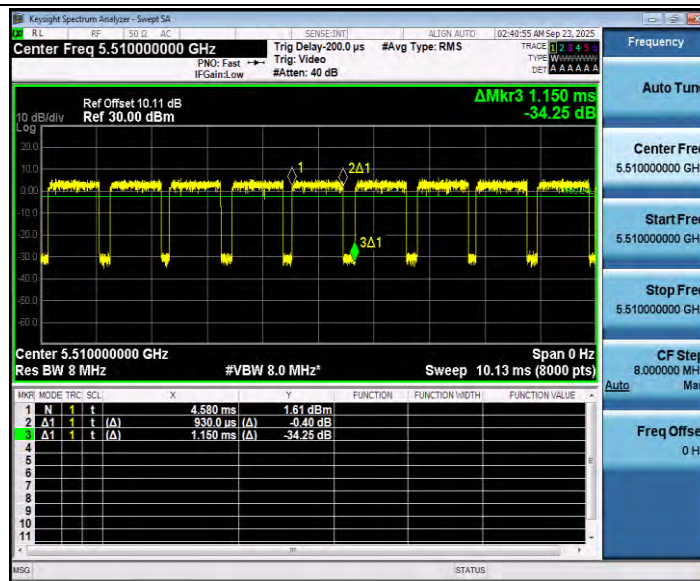
11N40SISO_Ant1_5670



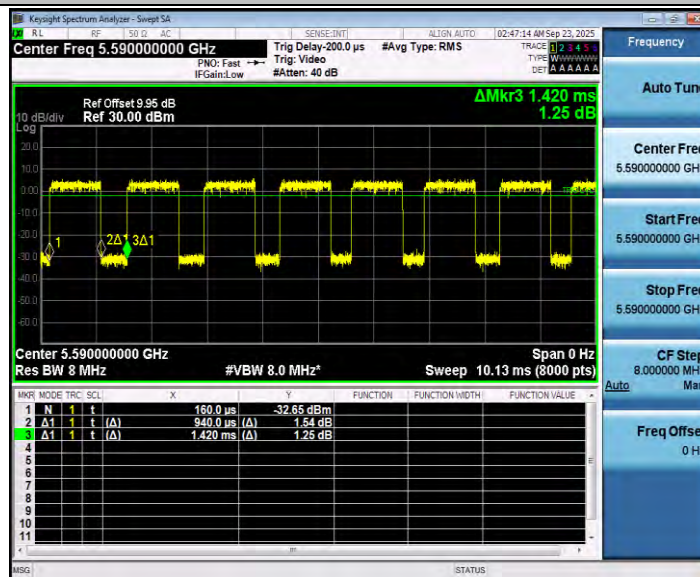
11AC20SISO_Ant1_5500



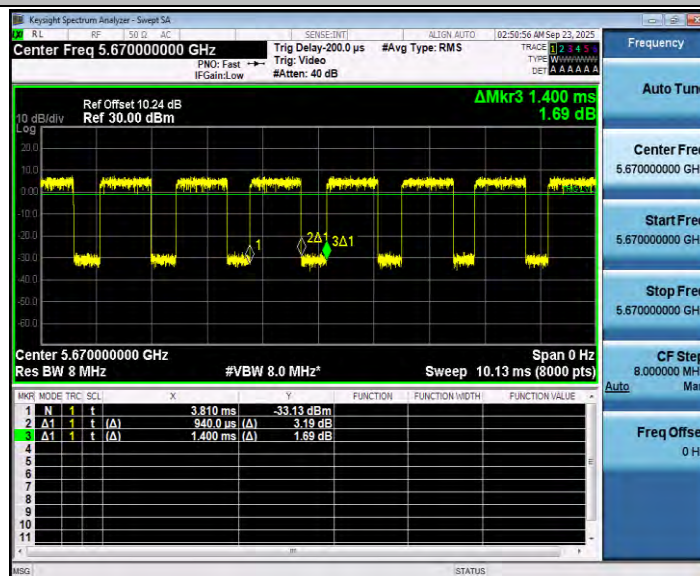




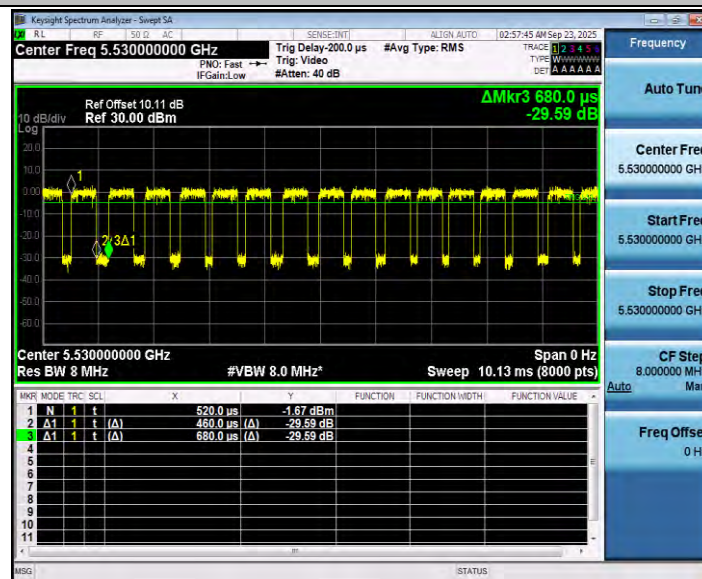
11AC40SISO_Ant1_5590



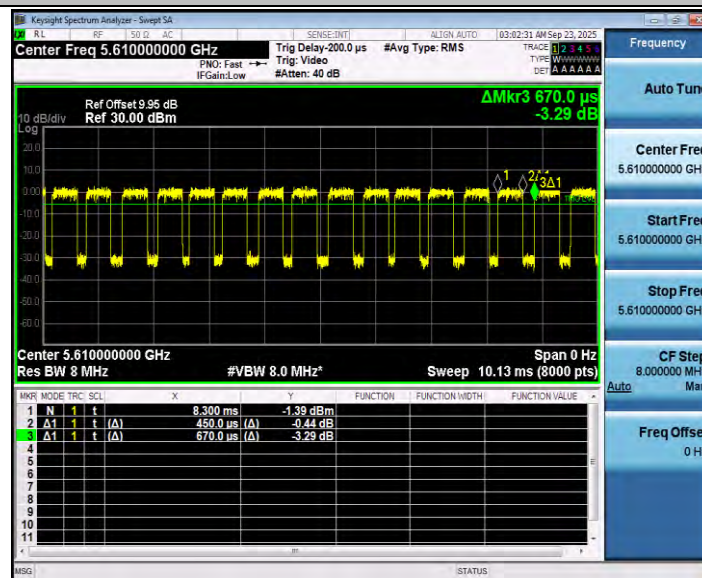
11AC40SISO_Ant1_5670



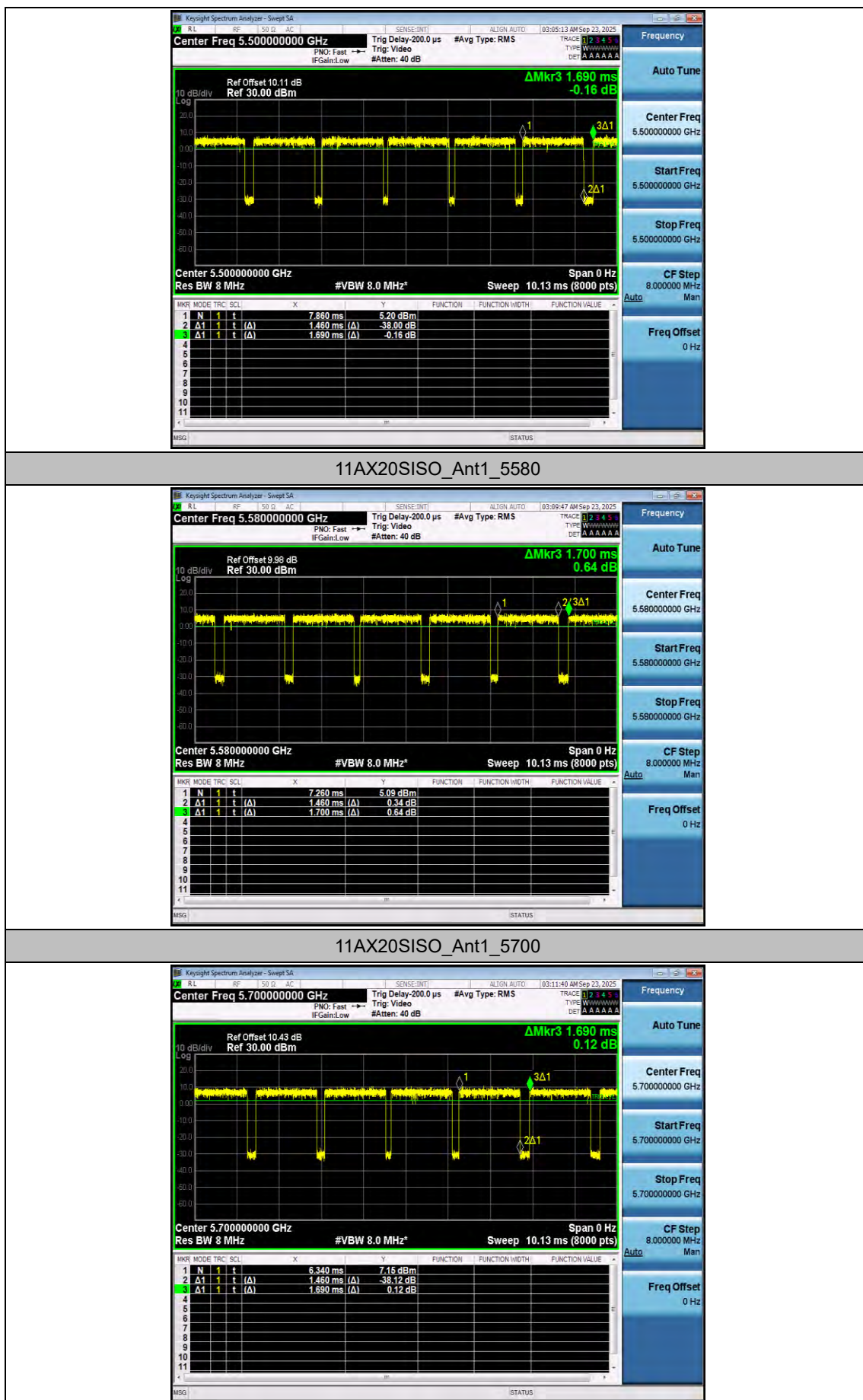
11AC80SISO_Ant1_5530

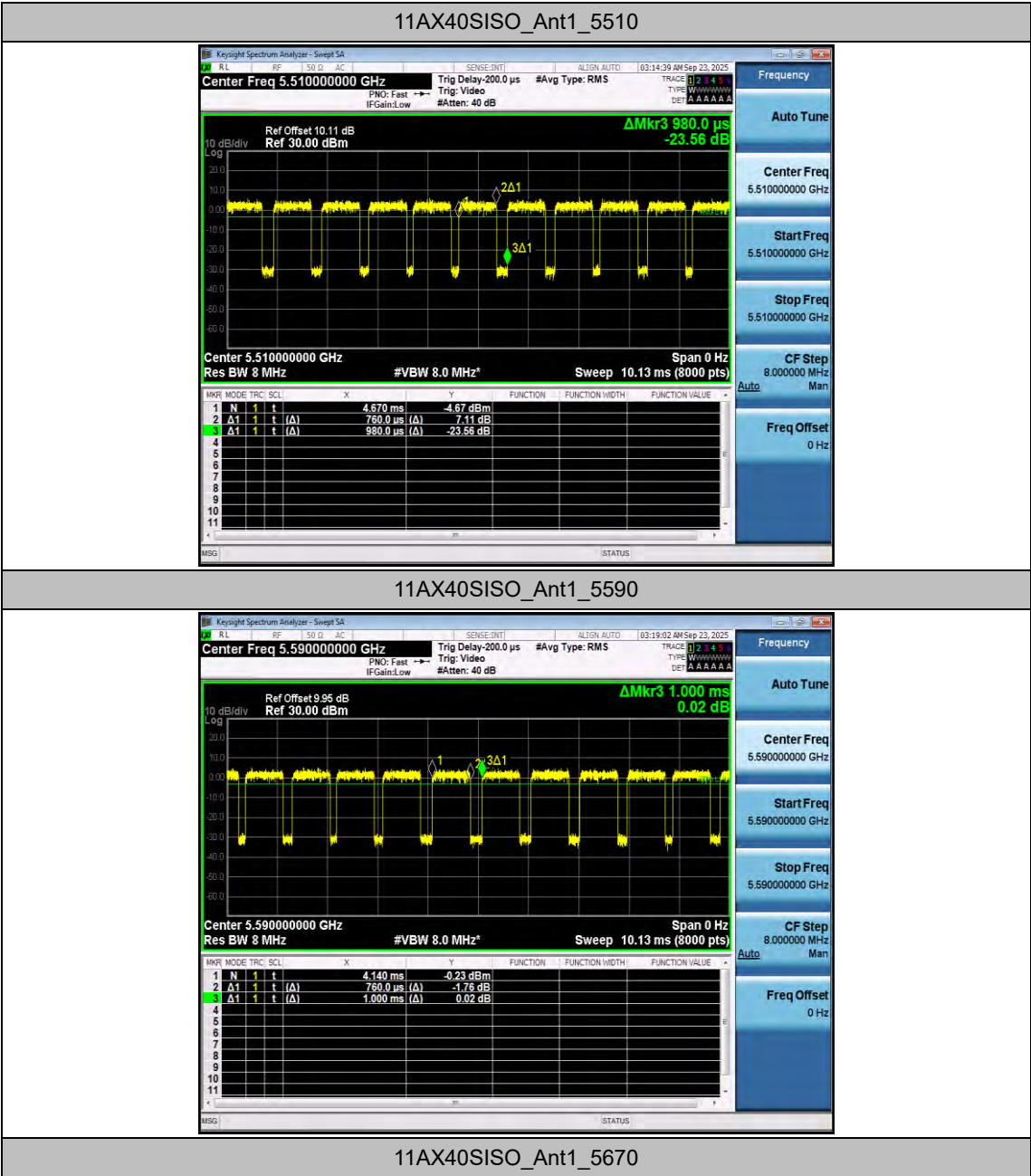


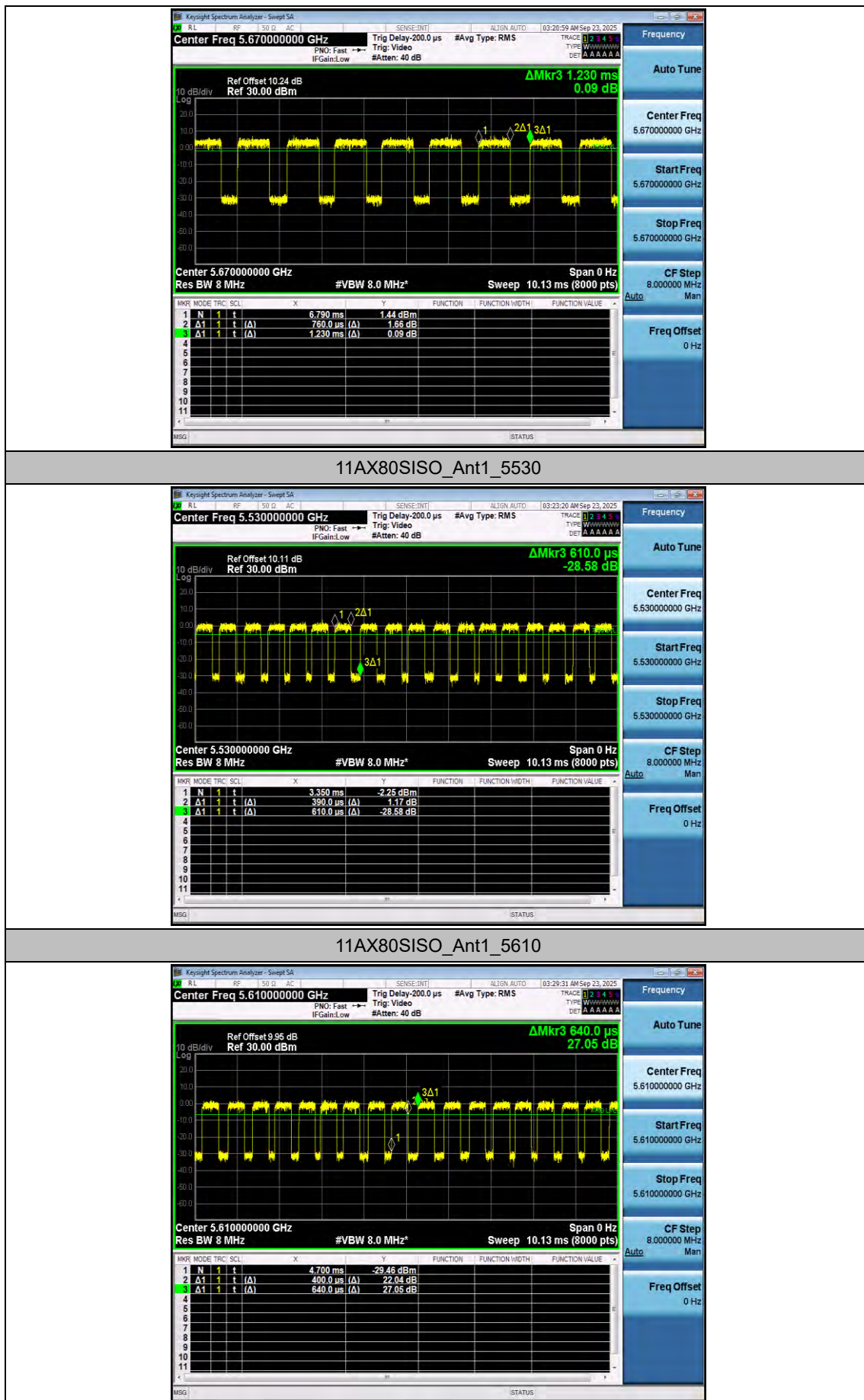
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500







Appendix F.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	Ant1	5500	8.87	89.82	0.47	9.34	≤23.98	PASS
		5580	11.09	92.27	0.35	11.44	≤23.98	PASS
		5700	13.02	92.69	0.33	13.35	≤23.98	PASS
11N20SISO	Ant1	5500	9.85	89.62	0.48	10.33	≤23.98	PASS
		5580	10.24	91.75	0.37	10.61	≤23.98	PASS
		5700	11.98	91.30	0.40	12.38	≤23.98	PASS
11N40SISO	Ant1	5510	9.64	66.43	1.78	11.42	≤23.98	PASS
		5590	9.60	81.03	0.91	10.51	≤23.98	PASS
		5670	10.95	83.04	0.81	11.76	≤23.98	PASS
11AC20SISO	Ant1	5500	10.02	89.62	0.48	10.50	≤23.98	PASS
		5580	10.12	88.79	0.52	10.64	≤23.98	PASS
		5700	11.90	86.36	0.64	12.54	≤23.98	PASS
11AC40SISO	Ant1	5510	9.54	80.87	0.92	10.46	≤23.98	PASS
		5590	9.26	66.20	1.79	11.05	≤23.98	PASS
		5670	10.95	67.14	1.73	12.68	≤23.98	PASS
11AC80SISO	Ant1	5530	8.17	67.65	1.70	9.87	≤23.98	PASS
		5610	8.56	67.16	1.73	10.29	≤23.98	PASS
11AX20SISO	Ant1	5500	9.08	86.39	0.64	9.72	≤23.98	PASS
		5580	9.14	85.88	0.66	9.80	≤23.98	PASS
		5700	10.83	86.39	0.64	11.47	≤23.98	PASS
11AX40SISO	Ant1	5510	7.85	77.55	1.10	8.95	≤23.98	PASS
		5590	7.98	76.00	1.19	9.17	≤23.98	PASS
		5670	9.55	61.79	2.09	11.64	≤23.98	PASS
11AX80SISO	Ant1	5530	5.90	63.93	1.94	7.84	≤23.98	PASS
		5610	7.50	62.50	2.04	9.54	≤23.98	PASS

AppendixF.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-2.24	≤11.00	PASS
		5580	-0.33	≤11.00	PASS
		5700	1.60	≤11.00	PASS
11N20SISO	Ant1	5500	-1.47	≤11.00	PASS
		5580	-1.51	≤11.00	PASS
		5700	0.29	≤11.00	PASS
11N40SISO	Ant1	5510	-2.67	≤11.00	PASS
		5590	-3.91	≤11.00	PASS
		5670	-2.88	≤11.00	PASS
11AC20SISO	Ant1	5500	-1.35	≤11.00	PASS
		5580	-1.44	≤11.00	PASS
		5700	0.40	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.70	≤11.00	PASS
		5590	-3.10	≤11.00	PASS
		5670	-1.87	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.81	≤11.00	PASS
		5610	-6.59	≤11.00	PASS
11AX20SISO	Ant1	5500	-2.30	≤11.00	PASS
		5580	-2.44	≤11.00	PASS
		5700	-0.87	≤11.00	PASS
11AX40SISO	Ant1	5510	-4.97	≤11.00	PASS
		5590	-5.55	≤11.00	PASS
		5670	-3.44	≤11.00	PASS
11AX80SISO	Ant1	5530	-7.77	≤11.00	PASS
		5610	-7.87	≤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 Factoriscompensatedinthe graph.

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



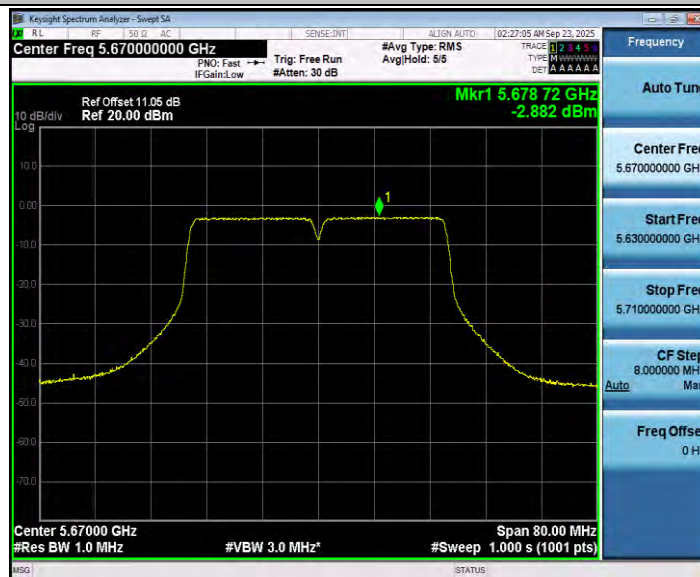
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11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

