

Case No. : <u>GTS20250825004-3-14</u>
Ambient Condition: <u>22</u> °C, <u>51</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	25.440	5487.760	5513.200	---	---
		5580	25.640	5567.280	5592.920	---	---
		5700	25.560	5687.240	5712.800	---	---
11N20SISO	Ant1	5500	25.960	5487.360	5513.320	---	---
		5580	27.520	5566.120	5593.640	---	---
		5700	26.960	5686.400	5713.360	---	---
11N40SISO	Ant1	5510	46.160	5487.360	5533.520	---	---
		5590	56.160	5558.240	5614.400	---	---
		5670	46.560	5647.200	5693.760	---	---
11AC20SISO	Ant1	5500	25.920	5487.720	5513.640	---	---
		5580	26.520	5566.680	5593.200	---	---
		5700	26.160	5686.920	5713.080	---	---
11AC40SISO	Ant1	5510	47.120	5487.200	5534.320	---	---
		5590	48.400	5565.840	5614.240	---	---
		5670	46.960	5646.720	5693.680	---	---
11AC80SISO	Ant1	5530	87.840	5486.000	5573.840	---	---
		5610	108.160	5556.720	5664.880	---	---
11AX20SISO	Ant1	5500	25.560	5487.800	5513.360	---	---
		5580	25.840	5567.440	5593.280	---	---
		5700	25.480	5687.000	5712.480	---	---
11AX40SISO	Ant1	5510	46.000	5487.600	5533.600	---	---
		5590	46.320	5567.280	5613.600	---	---
		5670	45.600	5647.440	5693.040	---	---
11AX80SISO	Ant1	5530	85.600	5486.960	5572.560	---	---
		5610	87.520	5566.320	5653.840	---	---

Test Graphs





11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



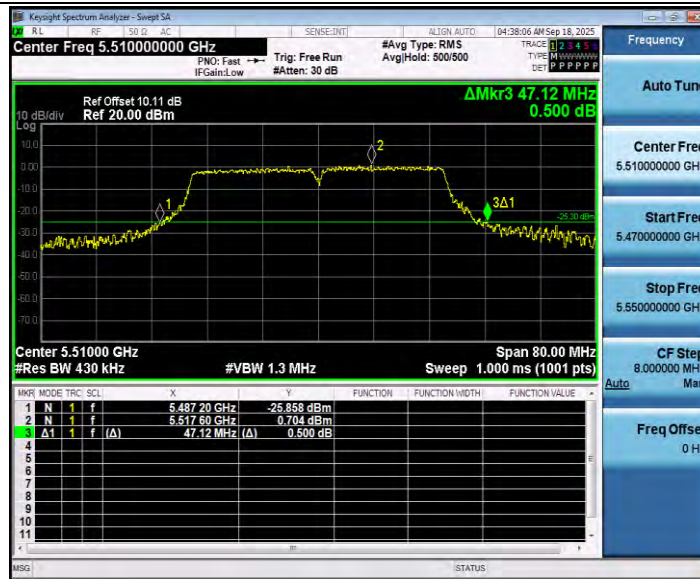
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



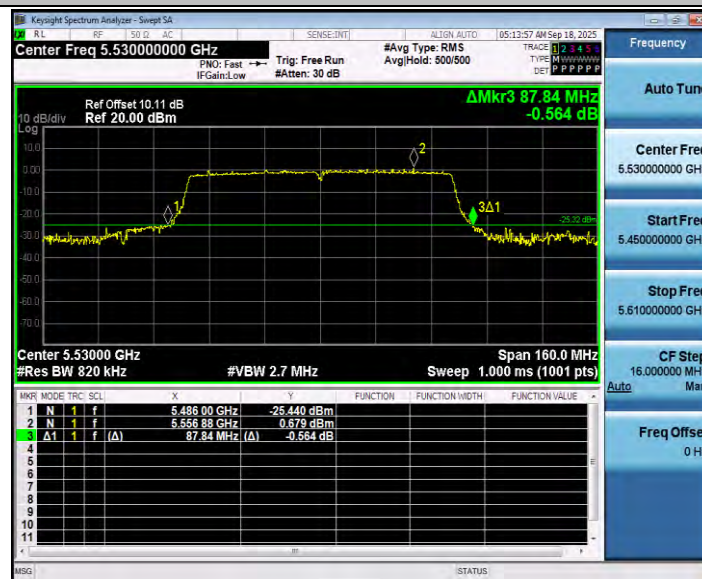
11AC40SISO_Ant1_5590



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



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

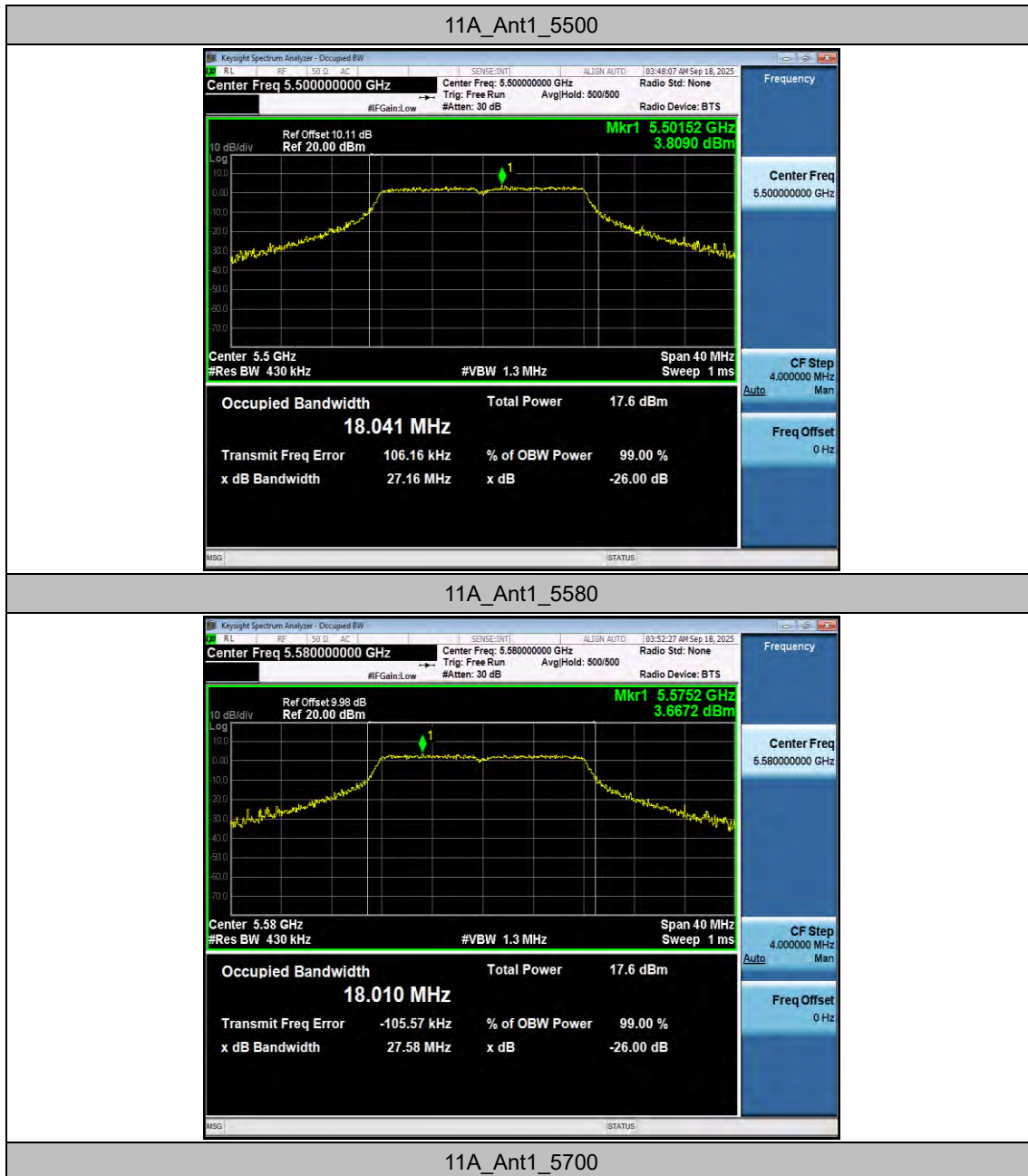


AppendixF.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	18.041	5491.0857	5509.1267	---	---
		5580	18.010	5570.8894	5588.8994	---	---
		5700	17.888	5690.9833	5708.8713	---	---
11N20SISO	Ant1	5500	19.024	5490.6284	5509.6524	---	---
		5580	19.020	5570.4249	5589.4449	---	---
		5700	18.937	5690.5016	5709.4386	---	---
11N40SISO	Ant1	5510	37.714	5491.3476	5529.0616	---	---
		5590	37.833	5571.1348	5608.9678	---	---
		5670	37.442	5651.2830	5688.7250	---	---
11AC20SISO	Ant1	5500	19.092	5490.5867	5509.6787	---	---
		5580	19.022	5570.4387	5589.4607	---	---
		5700	18.966	5690.4902	5709.4562	---	---
11AC40SISO	Ant1	5510	37.665	5491.3936	5529.0586	---	---
		5590	37.746	5571.2085	5608.9545	---	---
		5670	37.728	5651.1324	5688.8604	---	---
11AC80SISO	Ant1	5530	76.533	5491.8557	5568.3887	---	---
		5610	77.144	5571.5034	5648.6474	---	---
11AX20SISO	Ant1	5500	19.788	5490.1940	5509.9820	---	---
		5580	19.703	5570.1342	5589.8372	---	---
		5700	19.663	5690.1476	5709.8106	---	---
11AX40SISO	Ant1	5510	38.498	5490.8800	5529.3780	---	---
		5590	38.549	5570.8094	5609.3584	---	---
		5670	38.452	5650.8208	5689.2728	---	---
11AX80SISO	Ant1	5530	77.725	5491.2615	5568.9865	---	---
		5610	78.378	5570.8653	5649.2433	---	---

Test Graphs

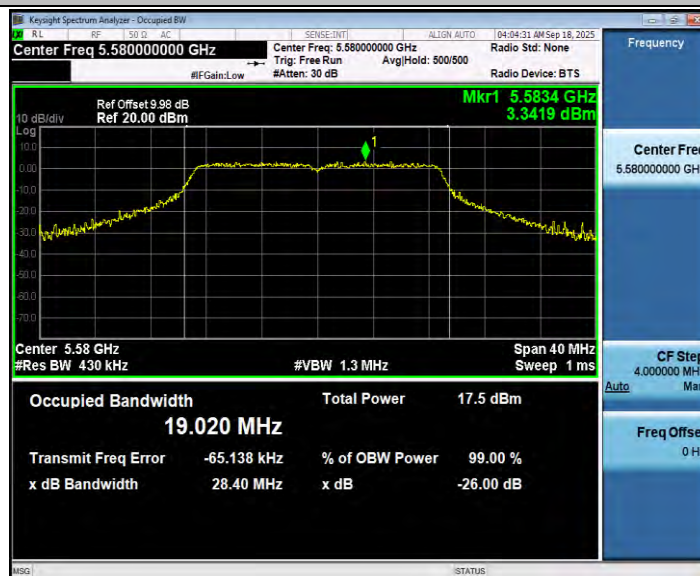




11N20SISO_Ant1_5500



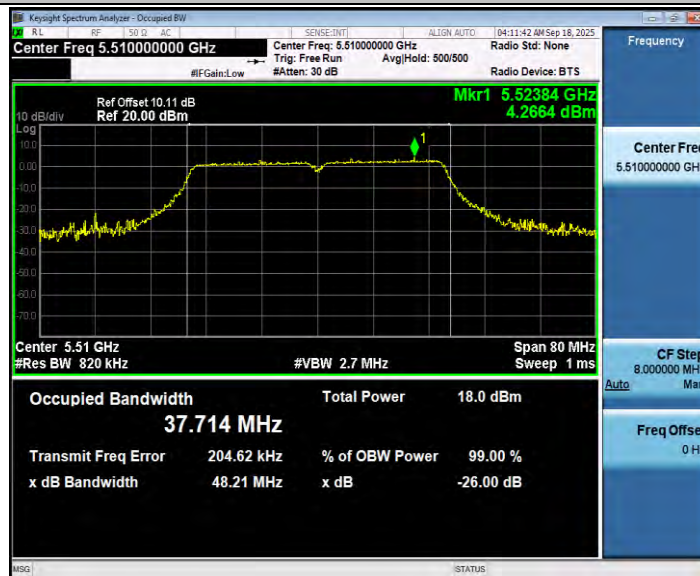
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



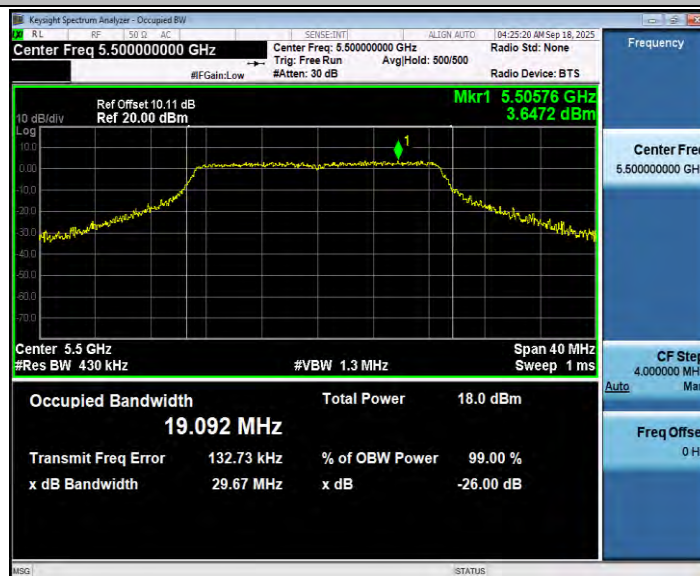
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11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



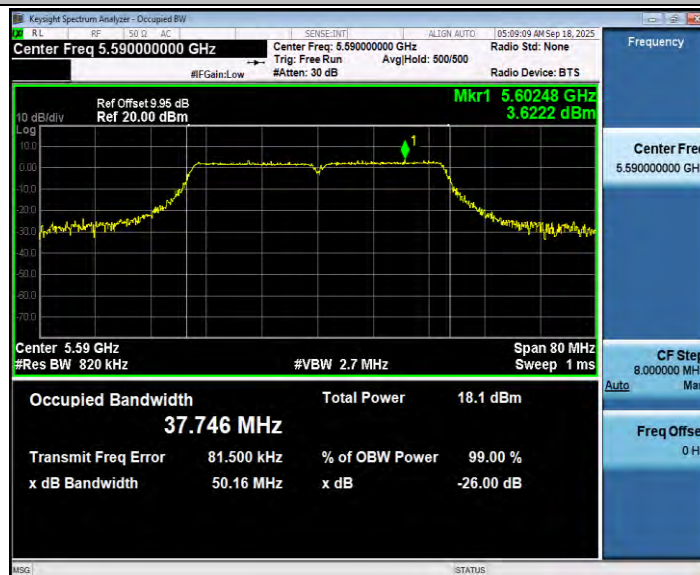
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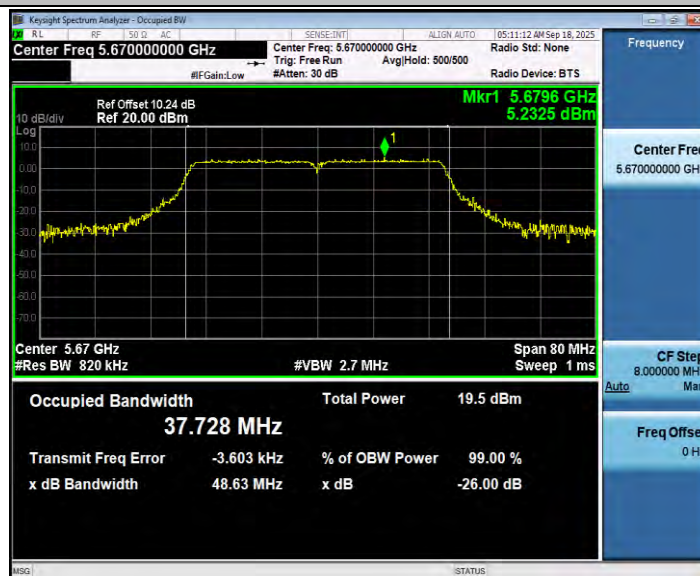
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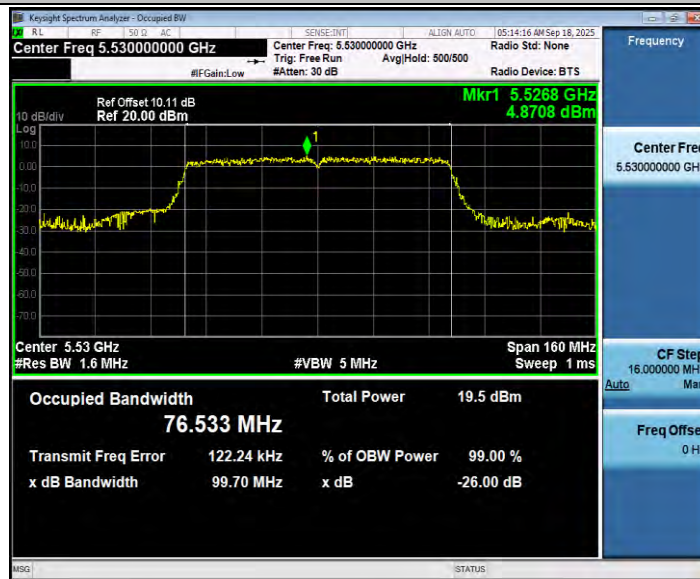
11AC40SISO_Ant1_5590



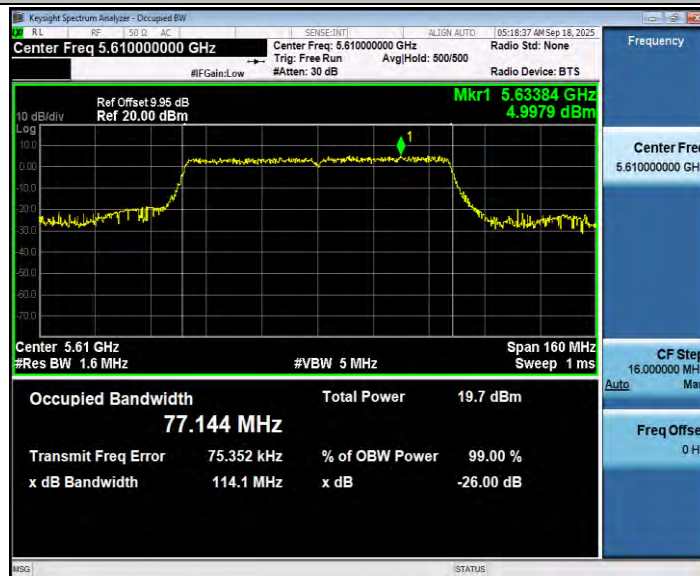
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11AC80SISO_Ant1_5530



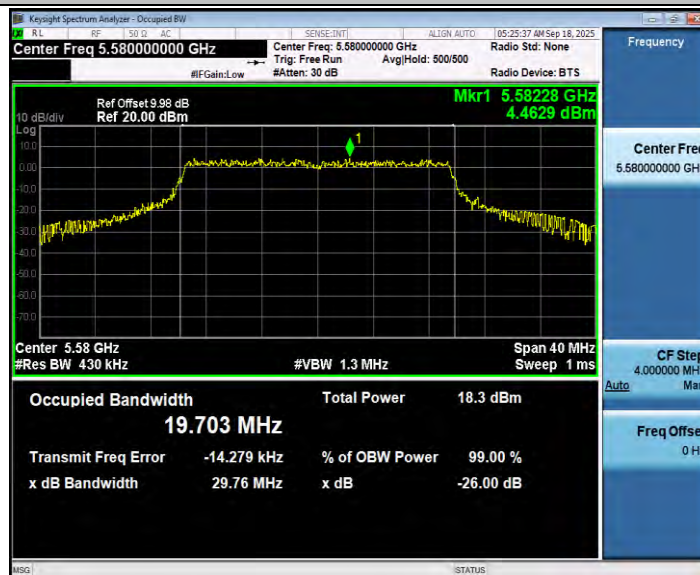
11AC80SISO_Ant1_5610



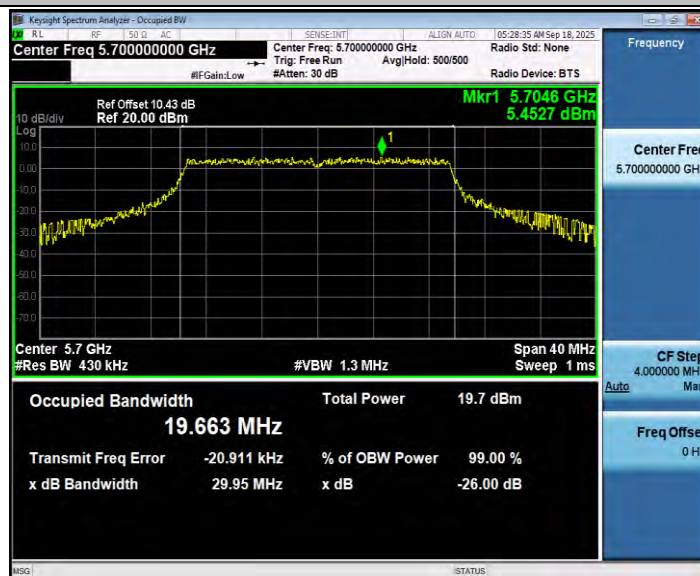
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



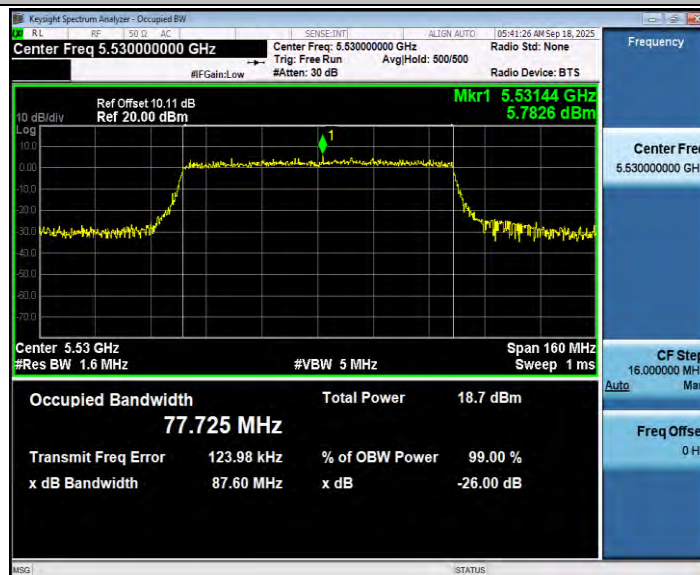
11AX40SISO_Ant1_5590



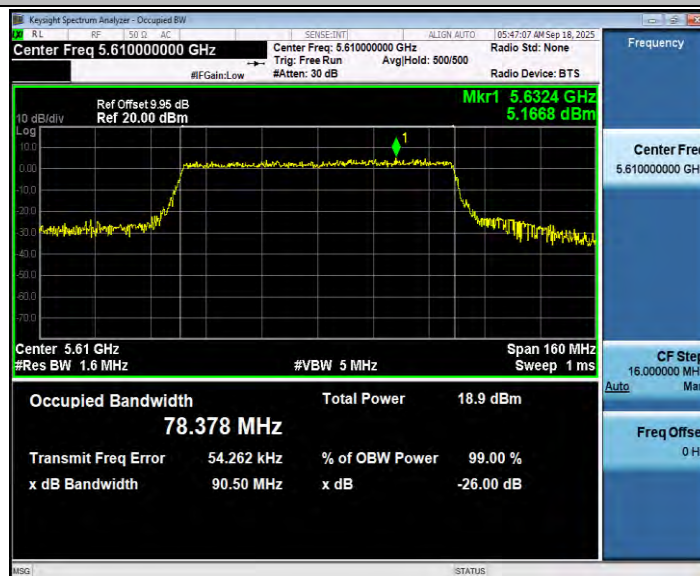
11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

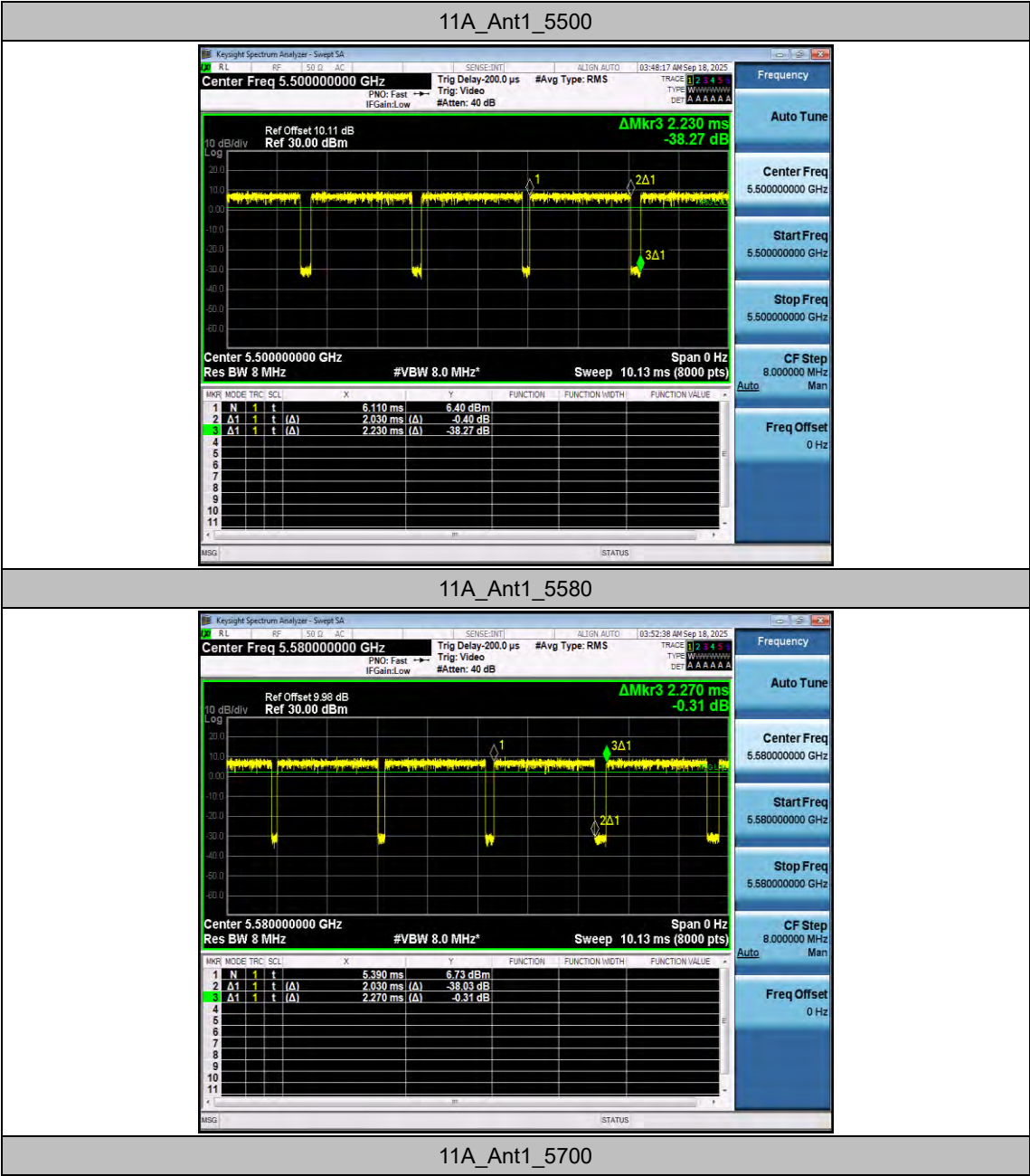


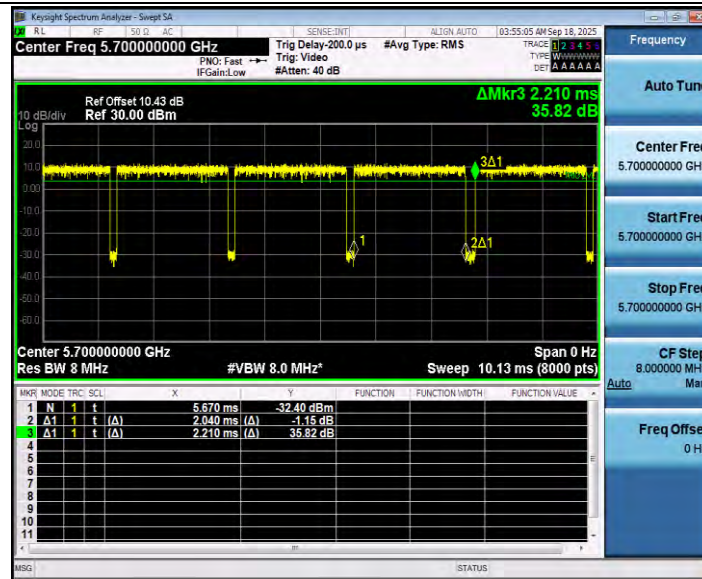
Appendix F.3: Duty Cycle

Test Result

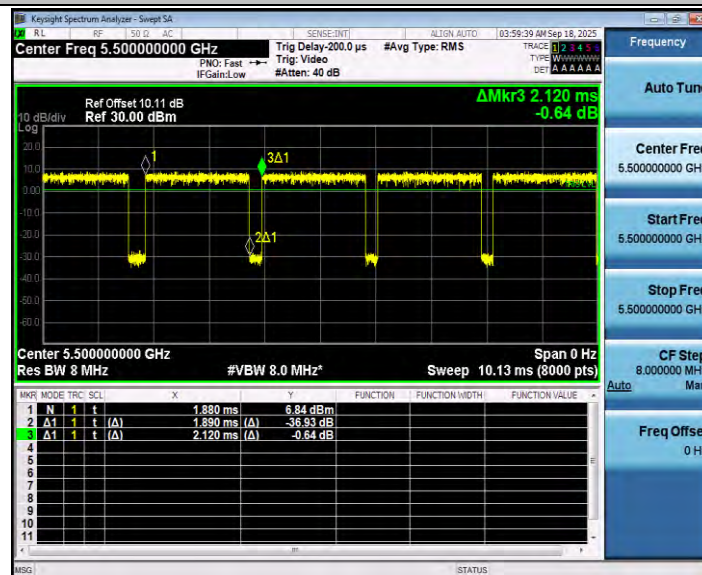
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	2.23	91.03	0.41	0.49
		5580	2.03	2.27	89.43	0.49	0.49
		5700	2.04	2.21	92.31	0.35	0.49
11N20SISO	Ant1	5500	1.89	2.12	89.15	0.50	0.53
		5580	1.89	2.06	91.75	0.37	0.53
		5700	1.90	2.12	89.62	0.48	0.53
11N40SISO	Ant1	5510	0.93	1.40	66.43	1.78	1.08
		5590	0.93	1.42	65.49	1.84	1.08
		5670	0.93	1.42	65.49	1.84	1.08
11AC20SISO	Ant1	5500	1.90	2.10	90.48	0.43	0.53
		5580	1.90	2.35	80.85	0.92	0.53
		5700	1.90	2.08	91.35	0.39	0.53
11AC40SISO	Ant1	5510	0.93	1.13	82.30	0.85	1.08
		5590	0.94	1.42	66.20	1.79	1.06
		5670	0.94	1.17	80.34	0.95	1.06
11AC80SISO	Ant1	5530	0.46	0.67	68.66	1.63	2.17
		5610	0.45	0.67	67.16	1.73	2.22
11AX20SISO	Ant1	5500	1.46	1.70	85.88	0.66	0.68
		5580	1.46	1.65	88.48	0.53	0.68
		5700	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	5510	0.77	1.25	61.60	2.10	1.30
		5590	0.77	1.25	61.60	2.10	1.30
		5670	0.76	1.24	61.29	2.13	1.32
11AX80SISO	Ant1	5530	0.40	0.89	44.94	3.47	2.50
		5610	0.40	0.63	63.49	1.97	2.50

Test Graphs

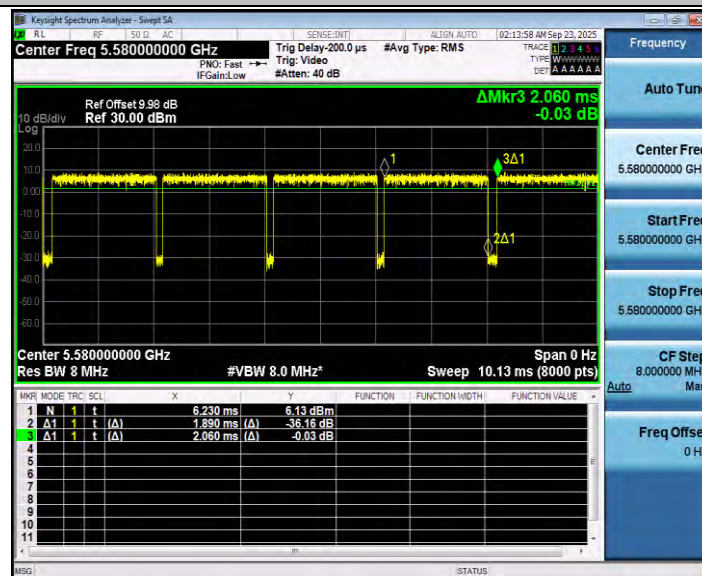




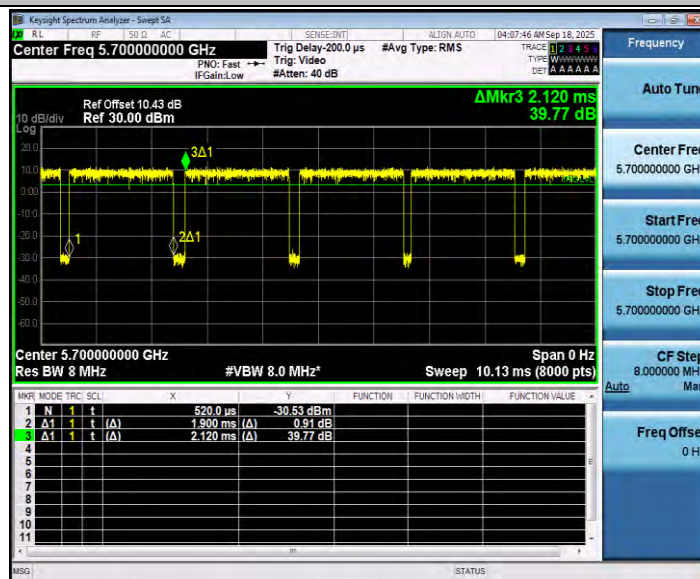
11N20SISO_Ant1_5500



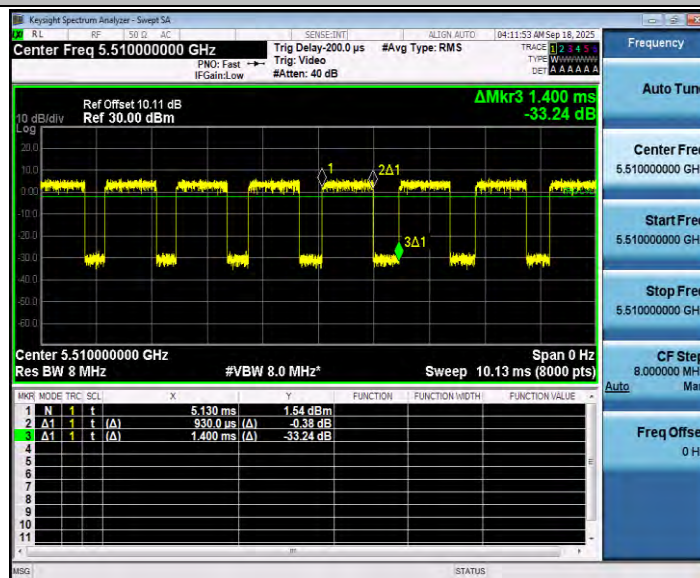
11N20SISO_Ant1_5580



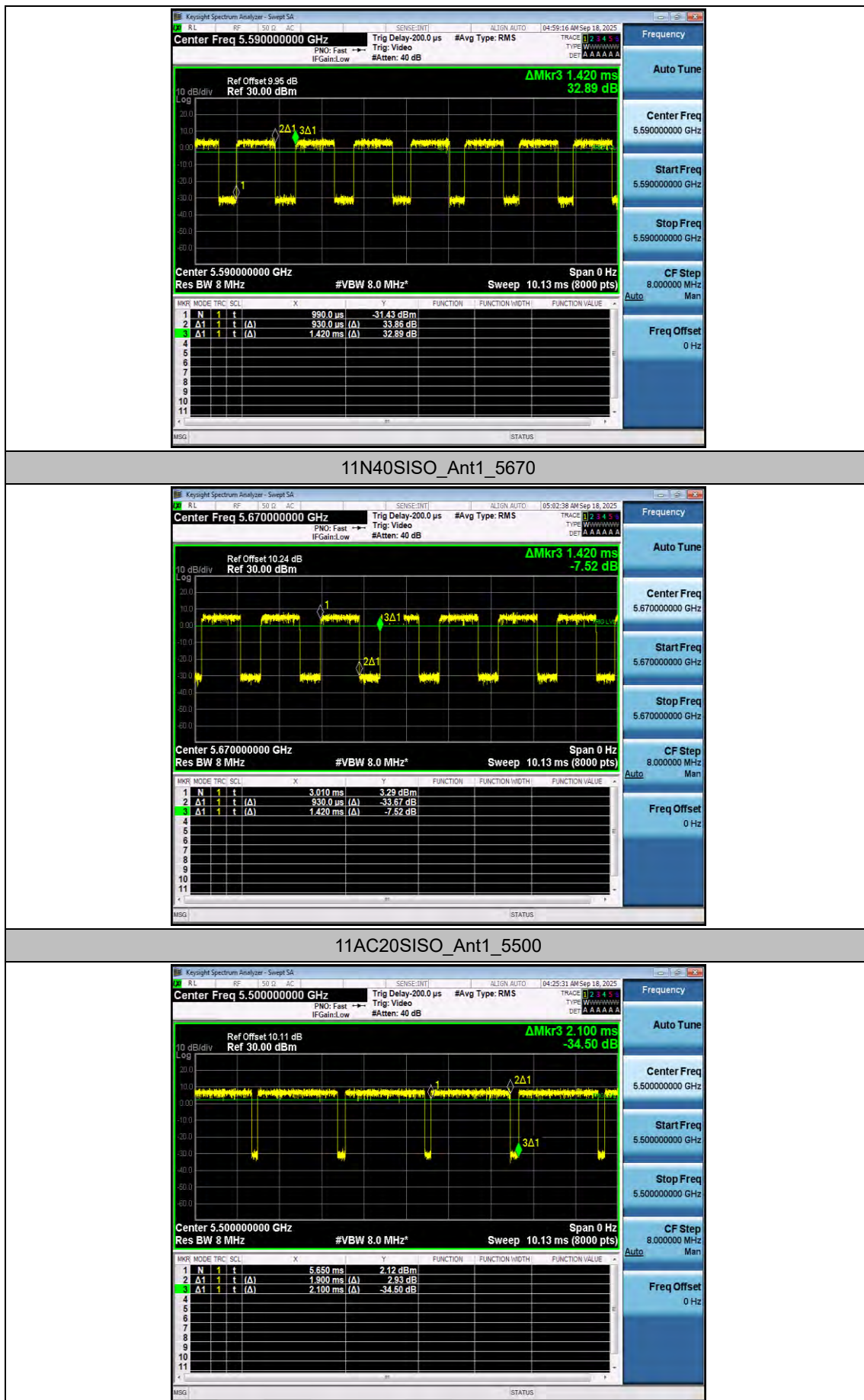
11N20SISO_Ant1_5700



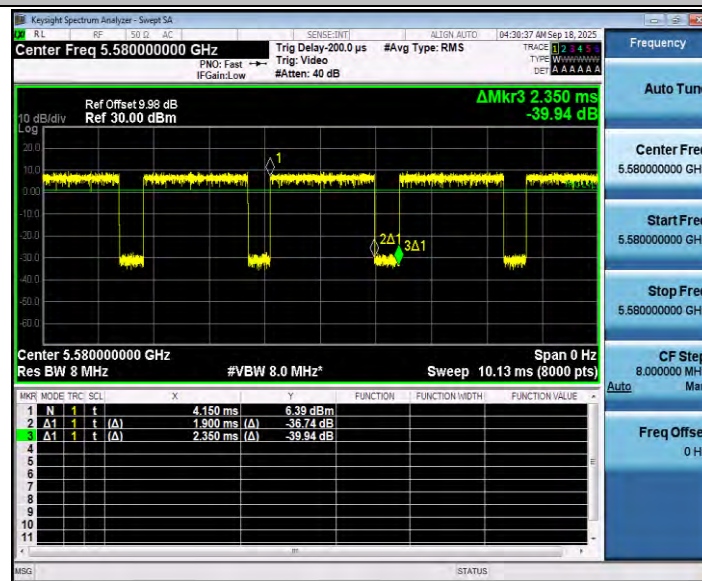
11N40SISO_Ant1_5510



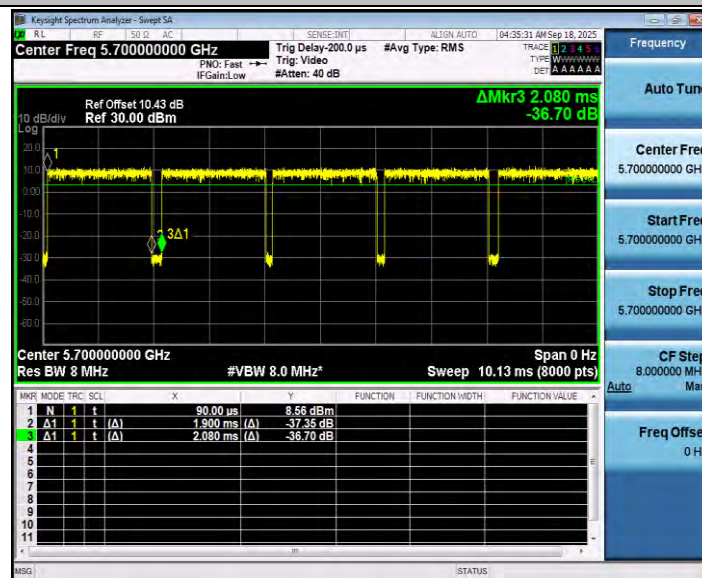
11N40SISO_Ant1_5590



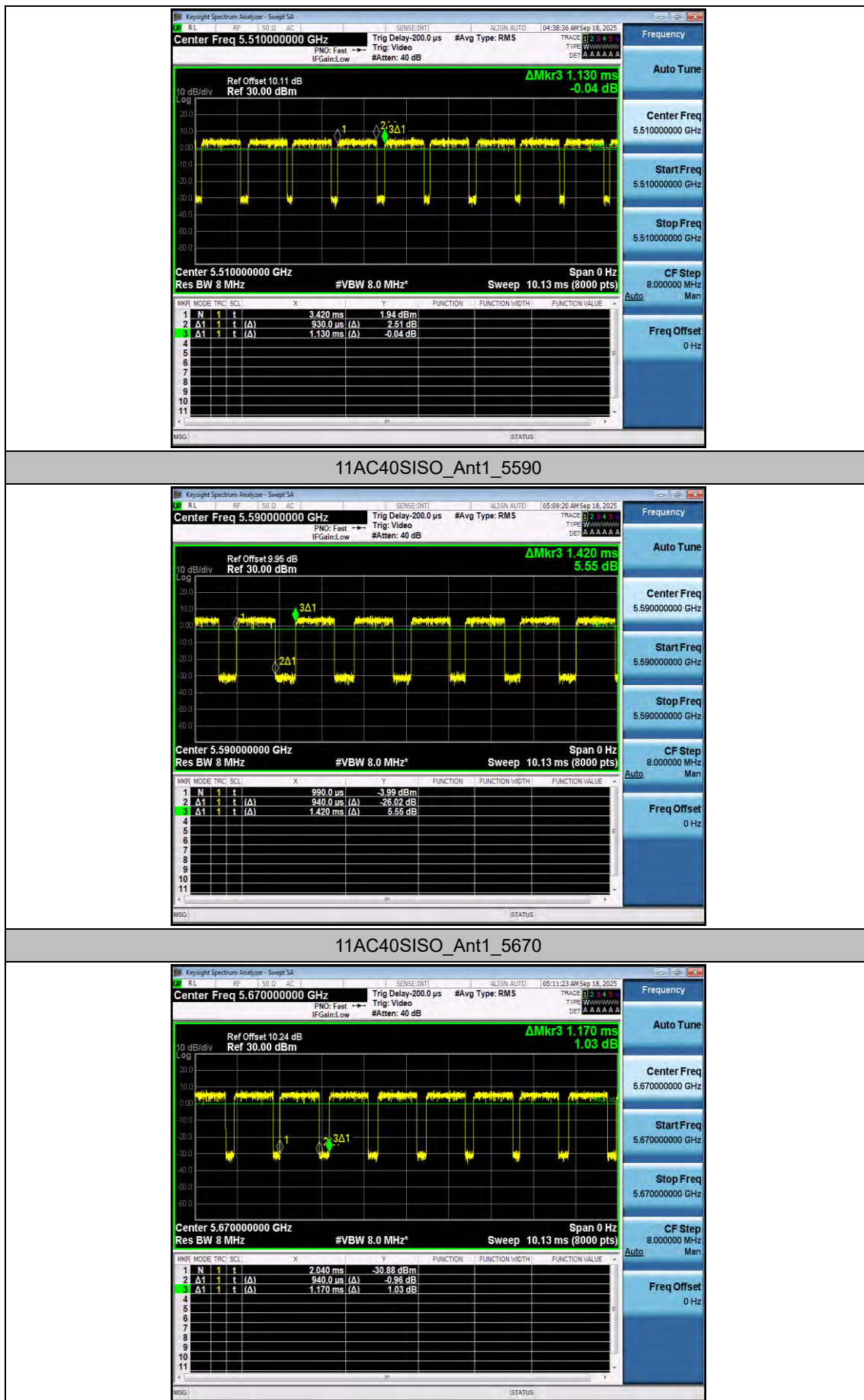
11AC20SISO_Ant1_5580



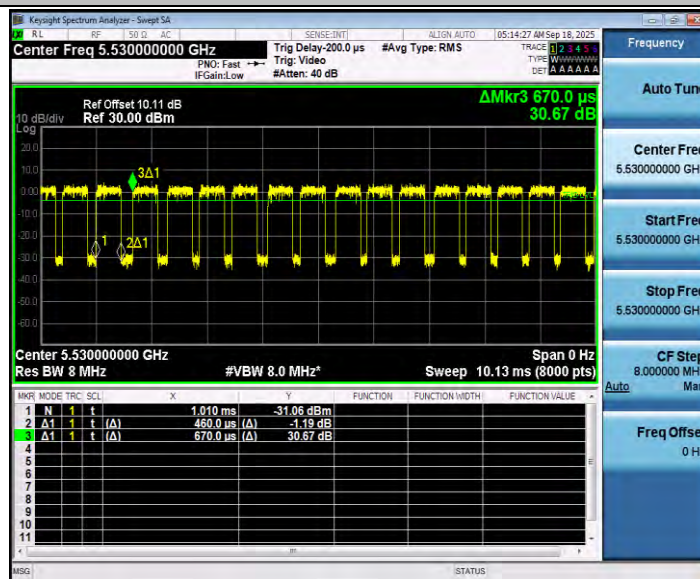
11AC20SISO_Ant1_5700



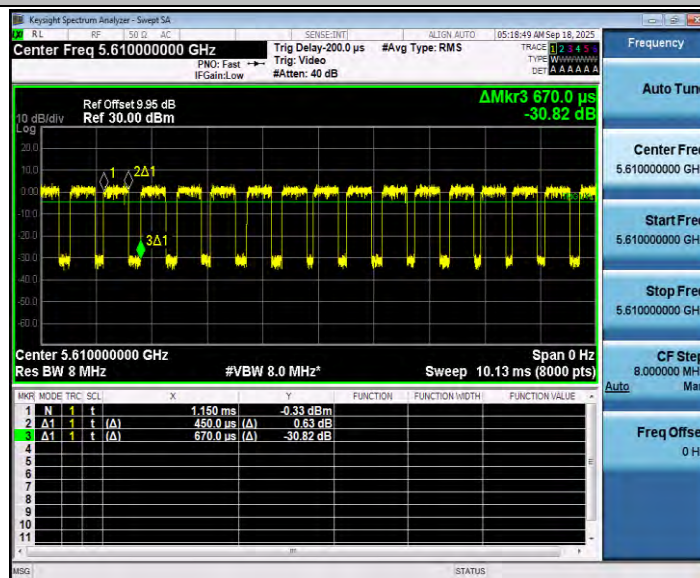
11AC40SISO_Ant1_5510



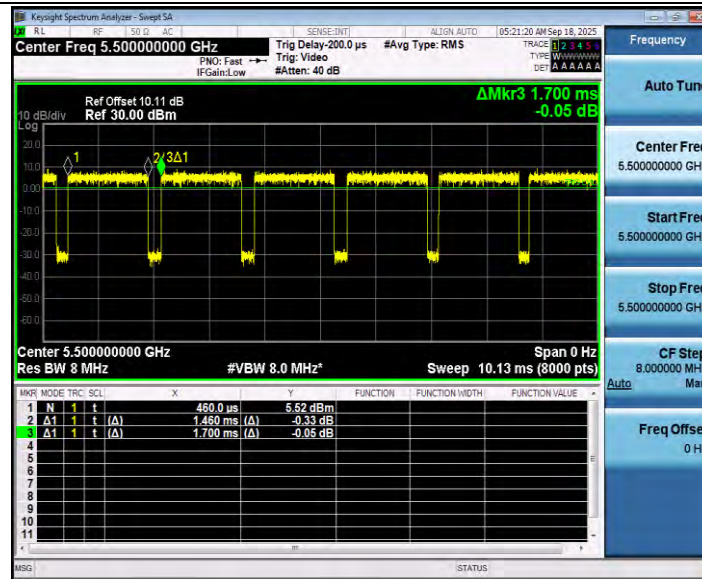
11AC80SISO_Ant1_5530



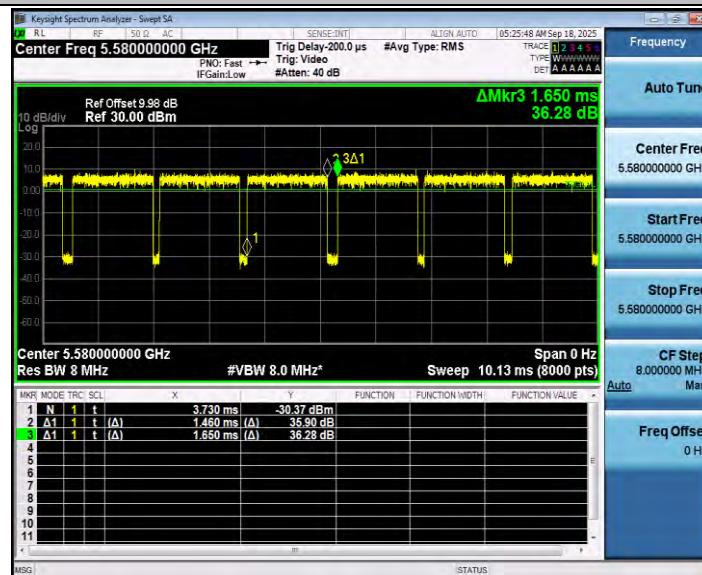
11AC80SISO_Ant1_5610



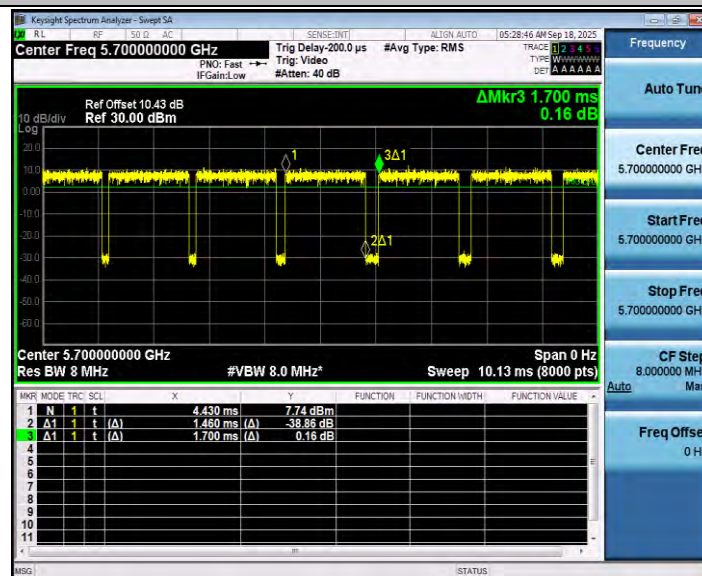
11AX20SISO_Ant1_5500



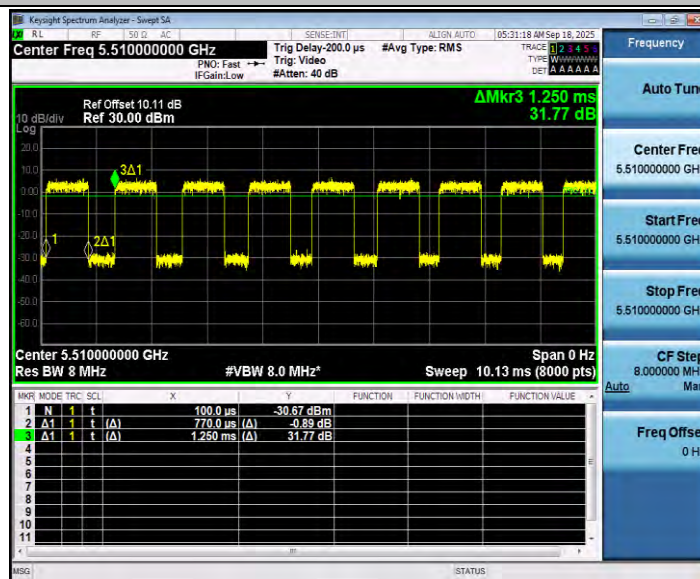
11AX20SISO_Ant1_5580



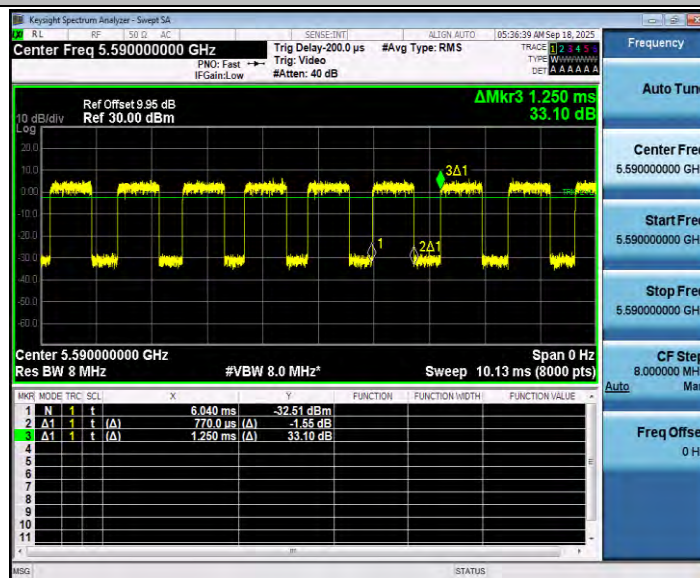
11AX20SISO_Ant1_5700



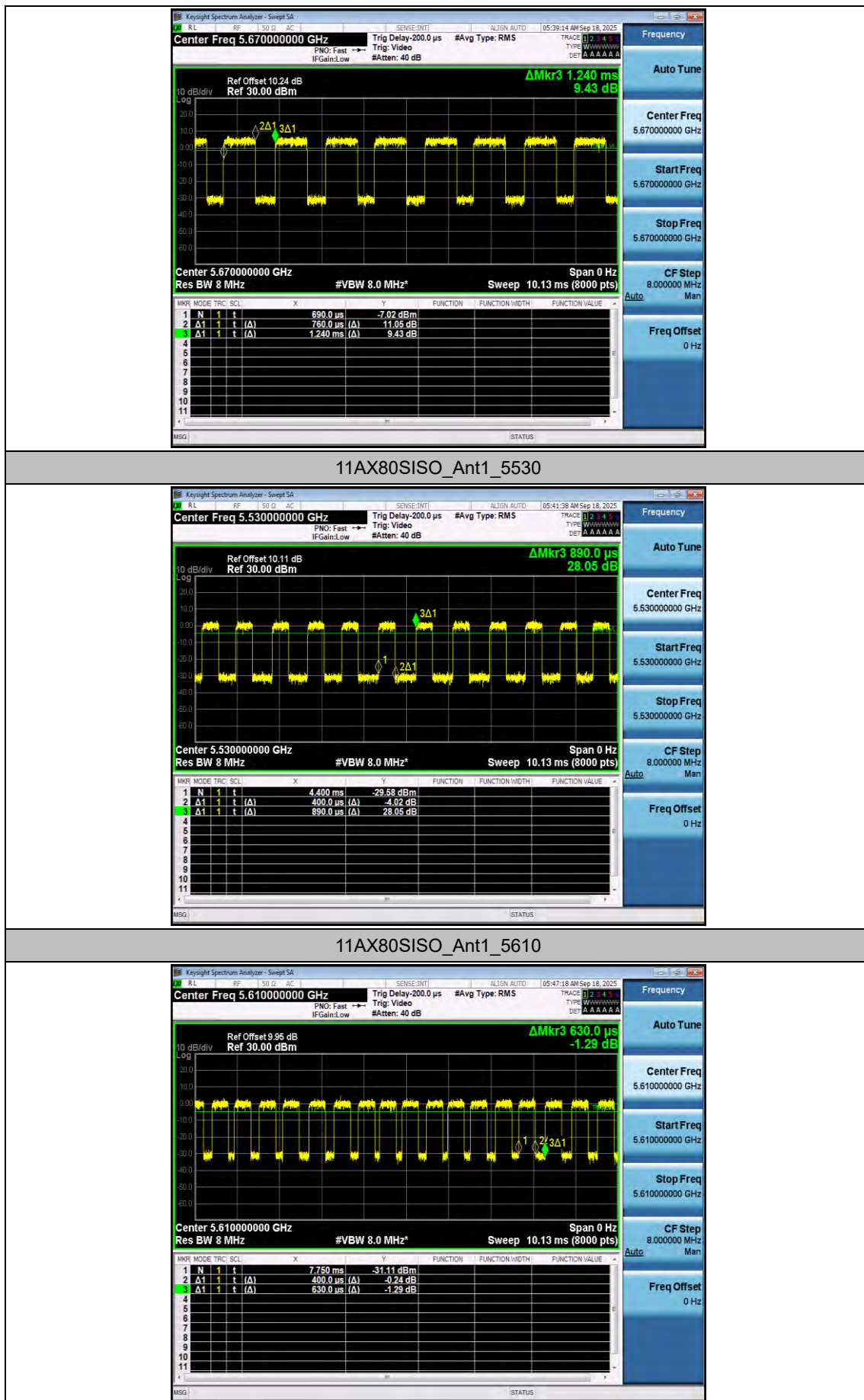
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



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	10.48	91.03	0.41	10.89	≤23.98	PASS
		5580	10.49	89.43	0.49	10.98	≤23.98	PASS
		5700	11.96	92.31	0.35	12.31	≤23.98	PASS
11N20SISO	Ant1	5500	10.05	89.15	0.50	10.55	≤23.98	PASS
		5580	10.71	91.75	0.37	11.08	≤23.98	PASS
		5700	11.97	89.62	0.48	12.45	≤23.98	PASS
11N40SISO	Ant1	5510	9.83	66.43	1.78	11.61	≤23.98	PASS
		5590	9.89	65.49	1.84	11.73	≤23.98	PASS
		5670	10.55	65.49	1.84	12.39	≤23.98	PASS
11AC20SISO	Ant1	5500	10.71	90.48	0.43	11.14	≤23.98	PASS
		5580	10.27	80.85	0.92	11.19	≤23.98	PASS
		5700	12.03	91.35	0.39	12.42	≤23.98	PASS
11AC40SISO	Ant1	5510	9.86	82.30	0.85	10.71	≤23.98	PASS
		5590	9.17	66.20	1.79	10.96	≤23.98	PASS
		5670	10.59	80.34	0.95	11.54	≤23.98	PASS
11AC80SISO	Ant1	5530	7.99	68.66	1.63	9.62	≤23.98	PASS
		5610	9.59	67.16	1.73	11.32	≤23.98	PASS
11AX20SISO	Ant1	5500	9.35	85.88	0.66	10.01	≤23.98	PASS
		5580	9.43	88.48	0.53	9.96	≤23.98	PASS
		5700	11.04	85.88	0.66	11.70	≤23.98	PASS
11AX40SISO	Ant1	5510	8.94	61.60	2.10	11.04	≤23.98	PASS
		5590	7.92	61.60	2.10	10.02	≤23.98	PASS
		5670	9.56	61.29	2.13	11.69	≤23.98	PASS
11AX80SISO	Ant1	5530	6.64	44.94	3.47	10.11	≤23.98	PASS
		5610	8.29	63.49	1.97	10.26	≤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	-0.67	≤11.00	PASS
		5580	-0.79	≤11.00	PASS
		5700	0.84	≤11.00	PASS
11N20SISO	Ant1	5500	-1.06	≤11.00	PASS
		5580	-0.70	≤11.00	PASS
		5700	0.60	≤11.00	PASS
11N40SISO	Ant1	5510	-2.30	≤11.00	PASS
		5590	-2.58	≤11.00	PASS
		5670	-1.44	≤11.00	PASS
11AC20SISO	Ant1	5500	-0.66	≤11.00	PASS
		5580	-0.66	≤11.00	PASS
		5700	0.54	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.11	≤11.00	PASS
		5590	-2.52	≤11.00	PASS
		5670	-2.12	≤11.00	PASS
11AC80SISO	Ant1	5530	-5.67	≤11.00	PASS
		5610	-5.46	≤11.00	PASS
11AX20SISO	Ant1	5500	-1.93	≤11.00	PASS
		5580	-2.26	≤11.00	PASS
		5700	-0.38	≤11.00	PASS
11AX40SISO	Ant1	5510	-3.26	≤11.00	PASS
		5590	-3.80	≤11.00	PASS
		5670	-2.65	≤11.00	PASS
11AX80SISO	Ant1	5530	-6.31	≤11.00	PASS
		5610	-6.94	≤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



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



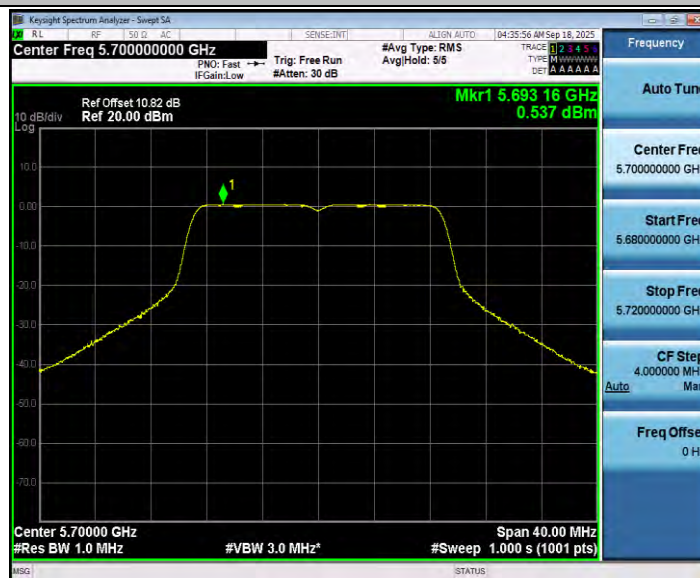
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



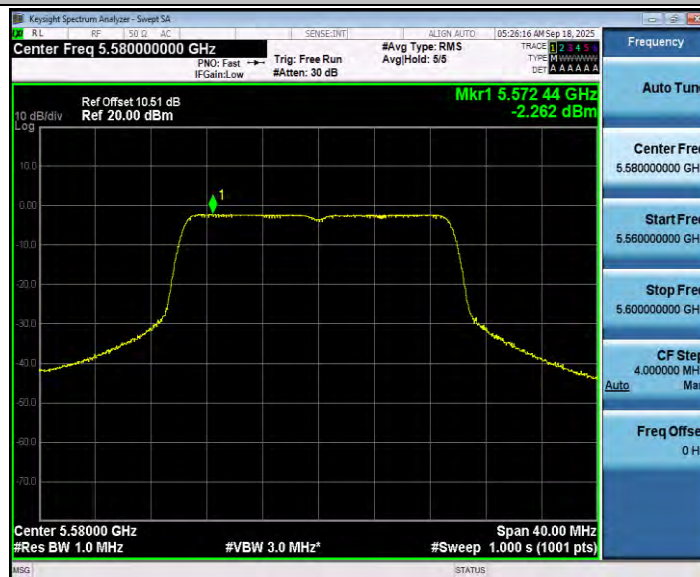
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

