

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.3.10</u>	Test Engineer: <u>Evan ouyang</u>

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	23.120	5489.000	5512.120	---	---
		5580	23.280	5568.440	5591.720	---	---
		5700	23.200	5688.080	5711.280	---	---
11N20SISO	Ant1	5500	23.440	5488.480	5511.920	---	---
		5580	23.120	5568.480	5591.600	---	---
		5700	22.880	5688.520	5711.400	---	---
11N40SISO	Ant1	5510	42.960	5488.800	5531.760	---	---
		5590	43.440	5568.880	5612.320	---	---
		5670	43.200	5648.480	5691.680	---	---
11AC20SISO	Ant1	5500	22.920	5488.840	5511.760	---	---
		5580	23.280	5568.320	5591.600	---	---
		5700	23.360	5688.240	5711.600	---	---
11AC40SISO	Ant1	5510	42.160	5489.040	5531.200	---	---
		5590	43.200	5568.400	5611.600	---	---
		5670	43.360	5648.000	5691.360	---	---
11AC80SISO	Ant1	5530	83.840	5488.080	5571.920	---	---
		5610	85.920	5567.120	5653.040	---	---
11AX20SISO	Ant1	5500	22.880	5488.960	5511.840	---	---
		5580	22.840	5568.560	5591.400	---	---
		5700	22.720	5688.320	5711.040	---	---
11AX40SISO	Ant1	5510	42.240	5488.960	5531.200	---	---
		5590	42.080	5569.200	5611.280	---	---
		5670	41.360	5649.120	5690.480	---	---
11AX80SISO	Ant1	5530	81.760	5489.040	5570.800	---	---
		5610	83.200	5568.720	5651.920	---	---

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



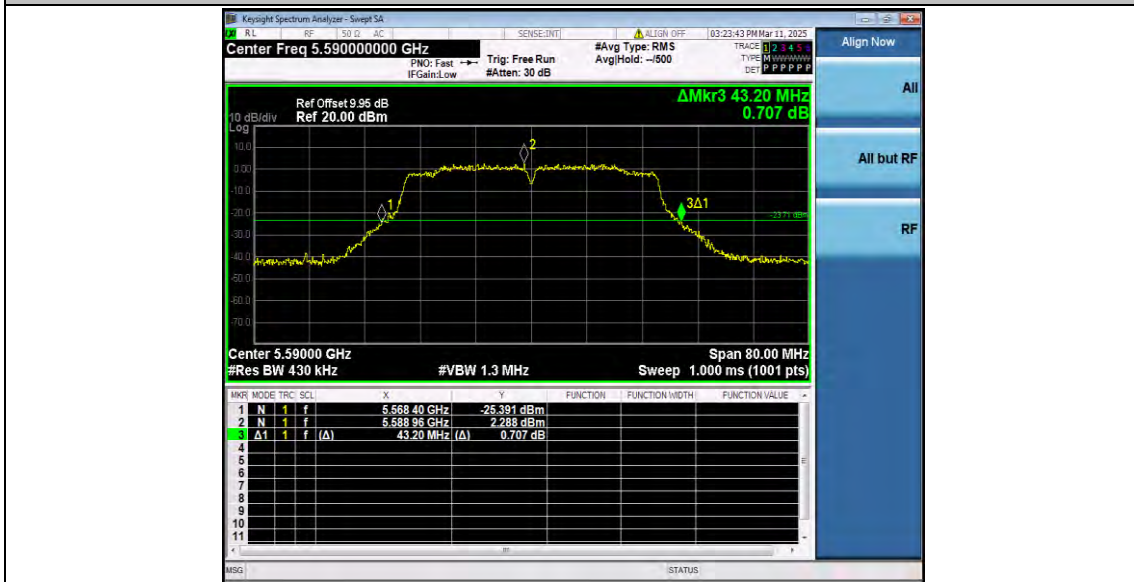
11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



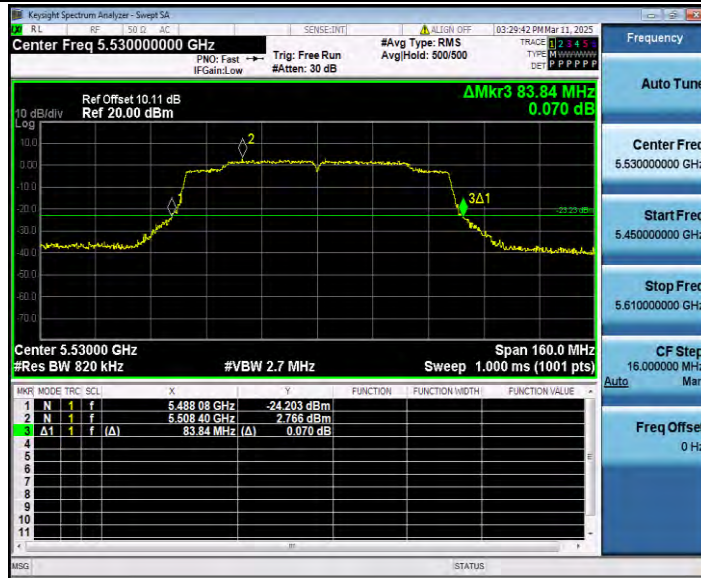
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



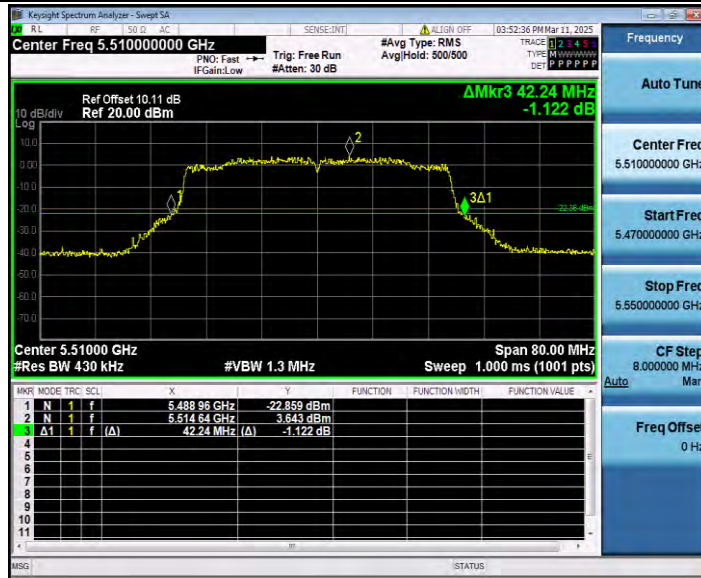
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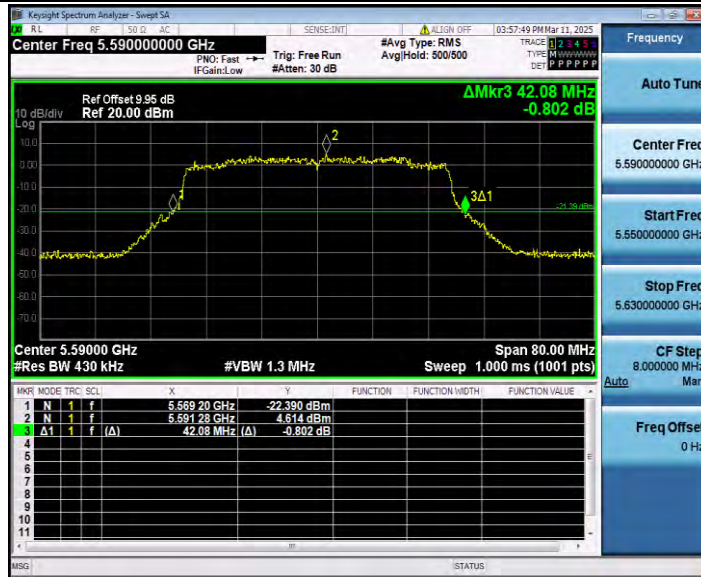
11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



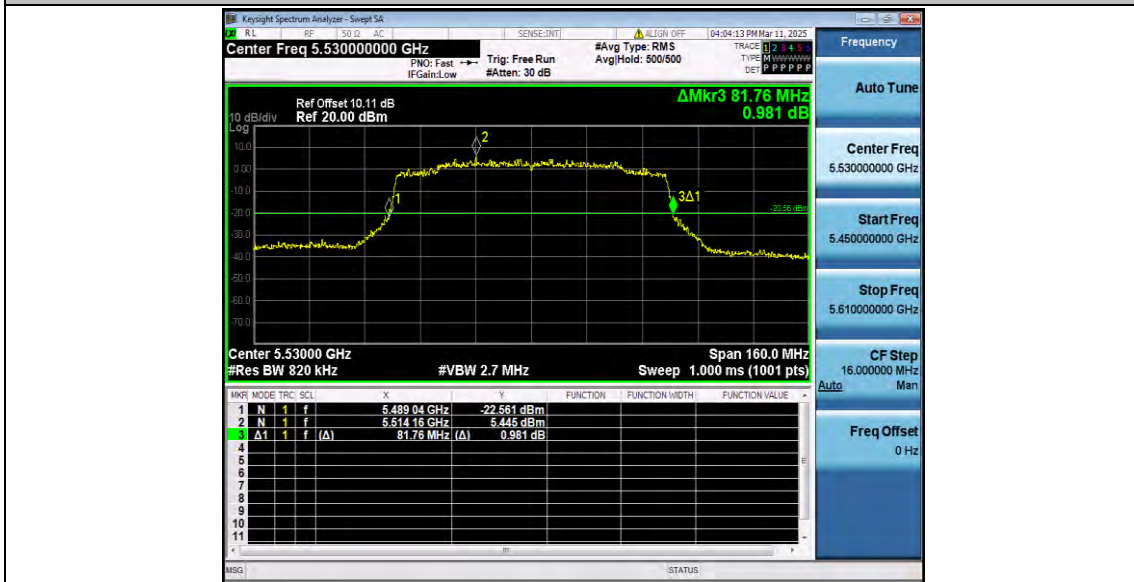
11AX40SISO_Ant1_5590



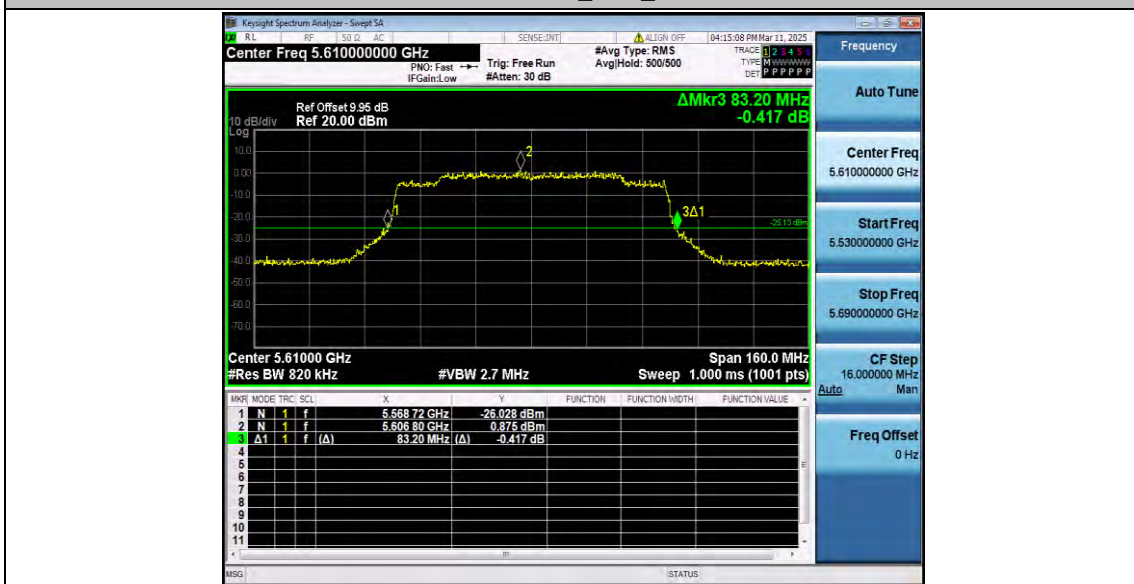
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

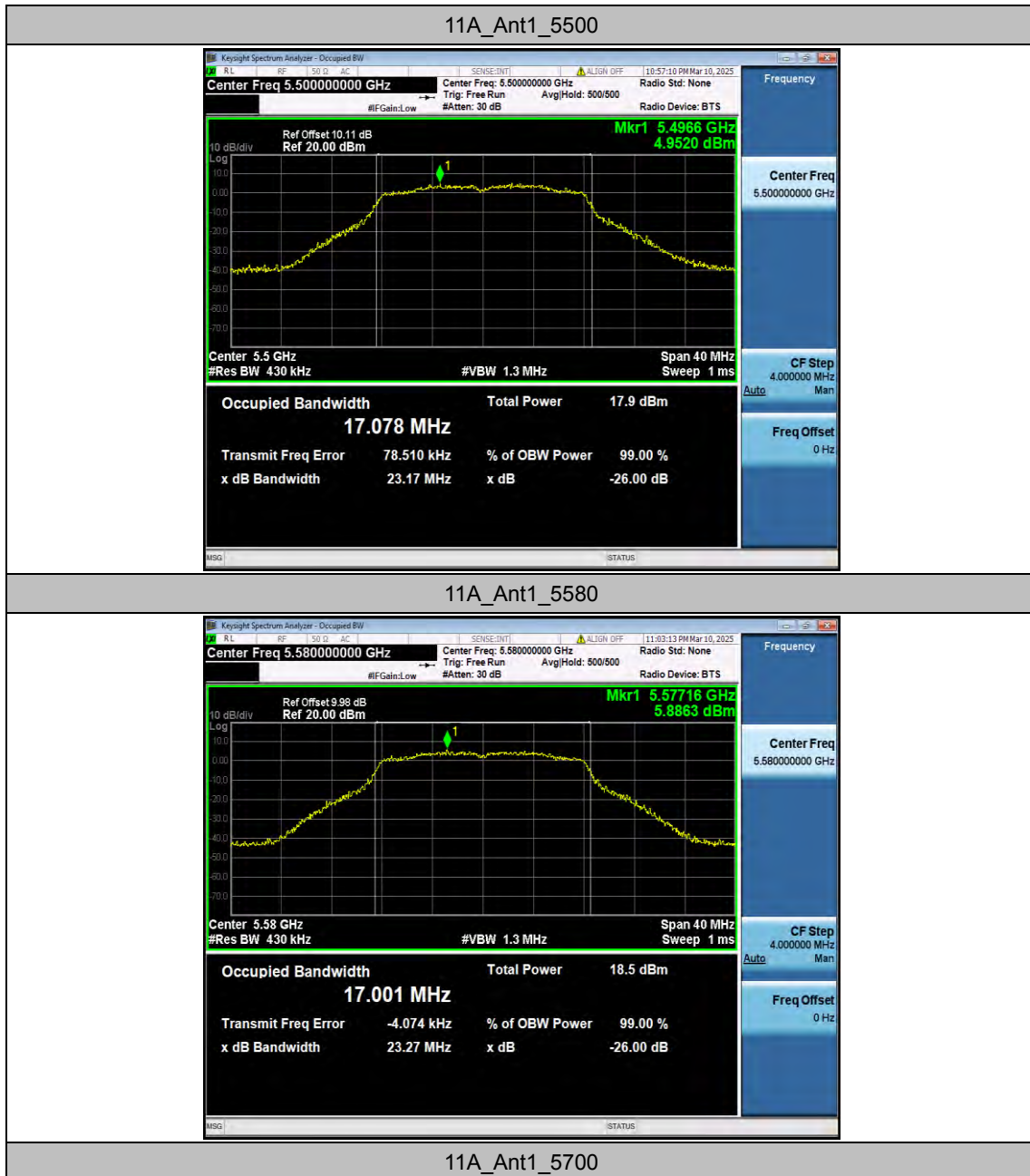


Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.078	5491.5395	5508.6175	---	---
		5580	17.001	5571.4954	5588.4964	---	---
		5700	17.048	5691.4313	5708.4793	---	---
11N20SISO	Ant1	5500	18.044	5491.0774	5509.1214	---	---
		5580	17.951	5570.9781	5588.9291	---	---
		5700	17.997	5690.9189	5708.9159	---	---
11N40SISO	Ant1	5510	36.133	5492.0322	5528.1652	---	---
		5590	36.173	5571.9286	5608.1016	---	---
		5670	36.149	5651.8963	5688.0453	---	---
11AC20SISO	Ant1	5500	18.064	5491.0199	5509.0839	---	---
		5580	18.018	5570.9677	5588.9857	---	---
		5700	17.963	5690.9769	5708.9399	---	---
11AC40SISO	Ant1	5510	36.118	5491.9640	5528.0820	---	---
		5590	36.261	5571.8716	5608.1326	---	---
		5670	36.192	5651.8671	5688.0591	---	---
11AC80SISO	Ant1	5530	75.084	5492.4944	5567.5784	---	---
		5610	75.107	5572.5077	5647.6147	---	---
11AX20SISO	Ant1	5500	18.977	5490.5644	5509.5414	---	---
		5580	18.966	5570.5130	5589.4790	---	---
		5700	19.042	5690.4448	5709.4868	---	---
11AX40SISO	Ant1	5510	37.580	5491.2025	5528.7825	---	---
		5590	37.628	5571.2063	5608.8343	---	---
		5670	37.637	5651.1221	5688.7591	---	---
11AX80SISO	Ant1	5530	76.753	5491.6512	5568.4042	---	---
		5610	76.722	5571.6344	5648.3564	---	---

Test Graphs





11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



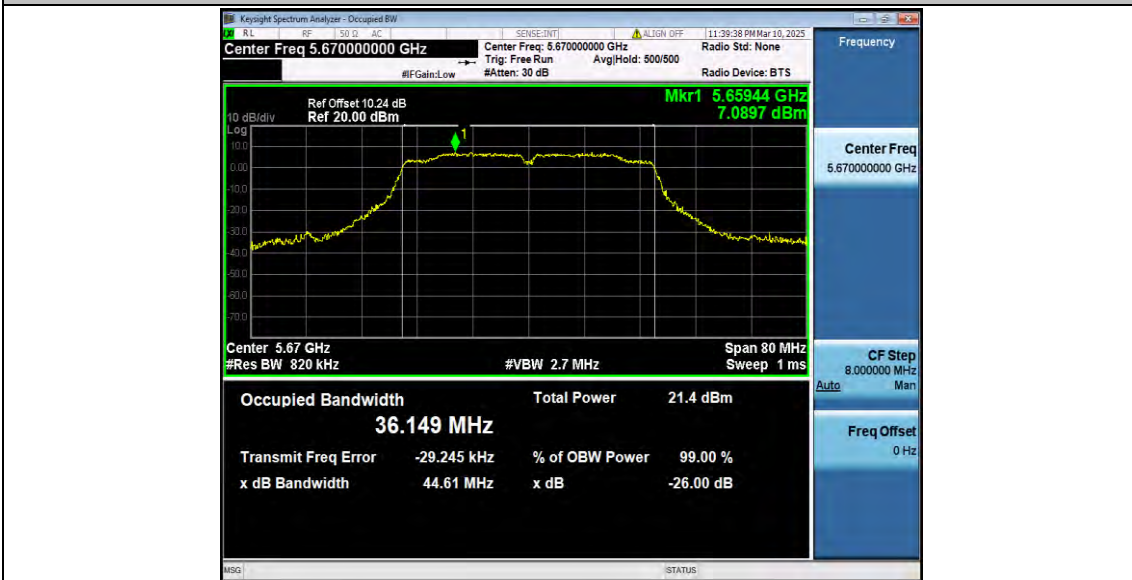
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11A20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



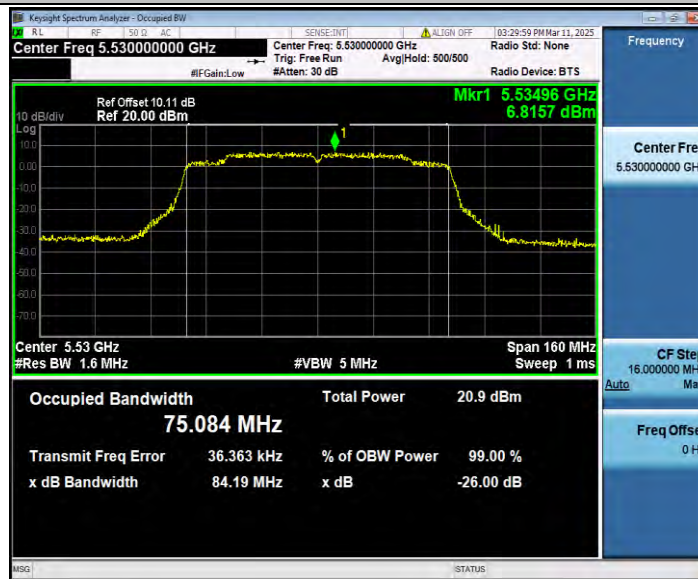
11AC40SISO_Ant1_5590



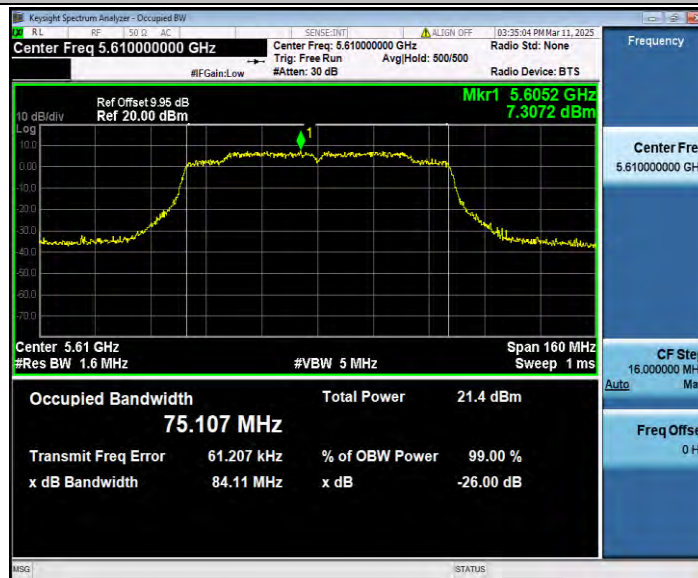
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



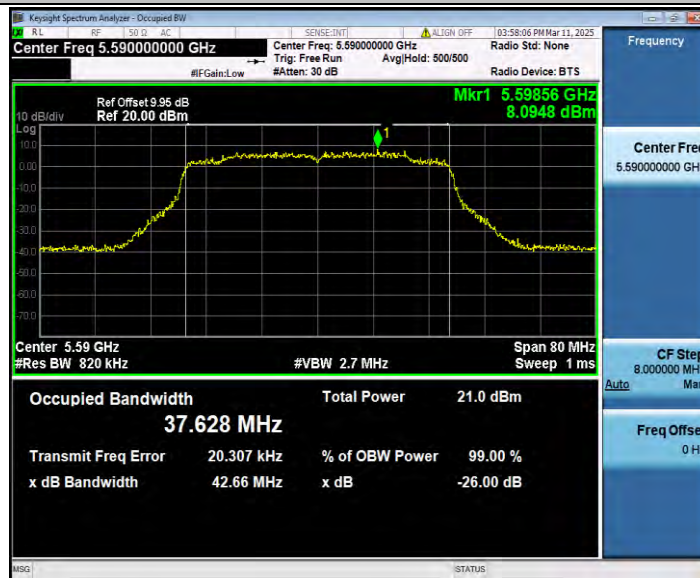
11AX20SISO_Ant1_5700



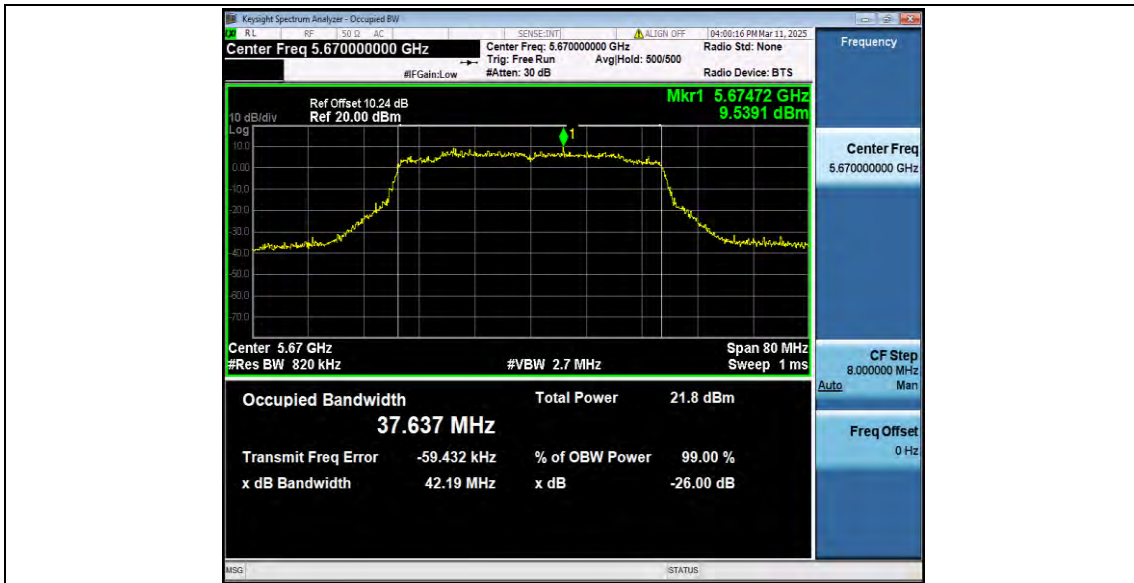
11AX40SISO_Ant1_5510



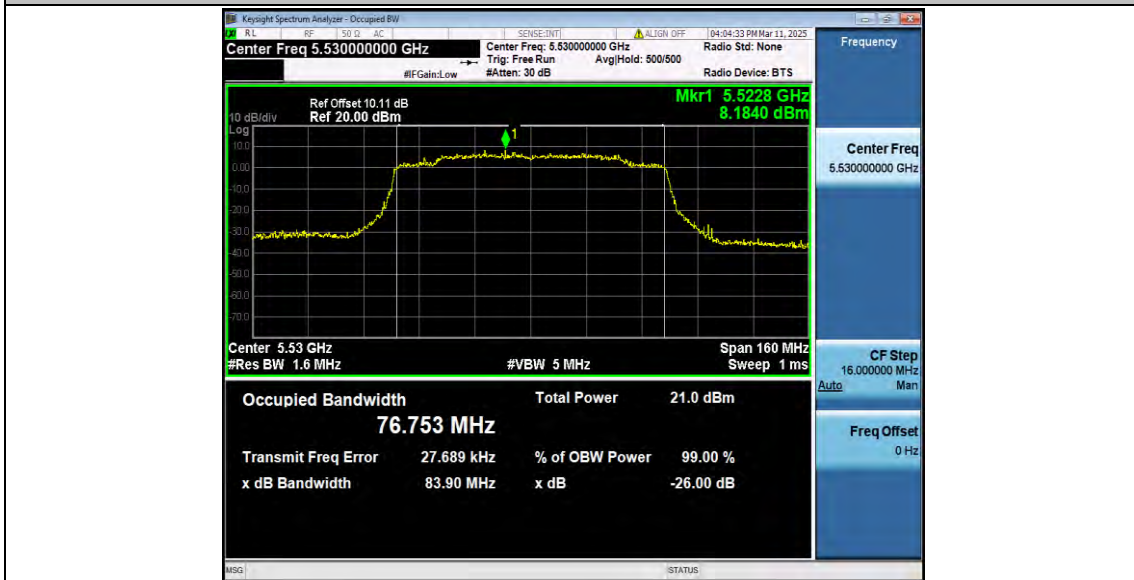
11AX40SISO_Ant1_5590



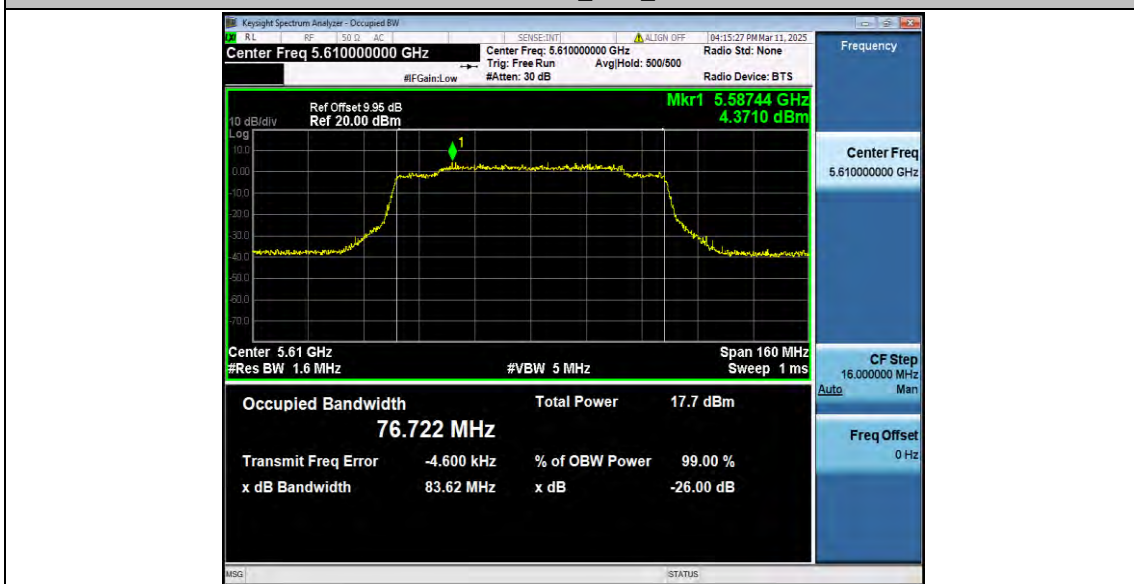
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

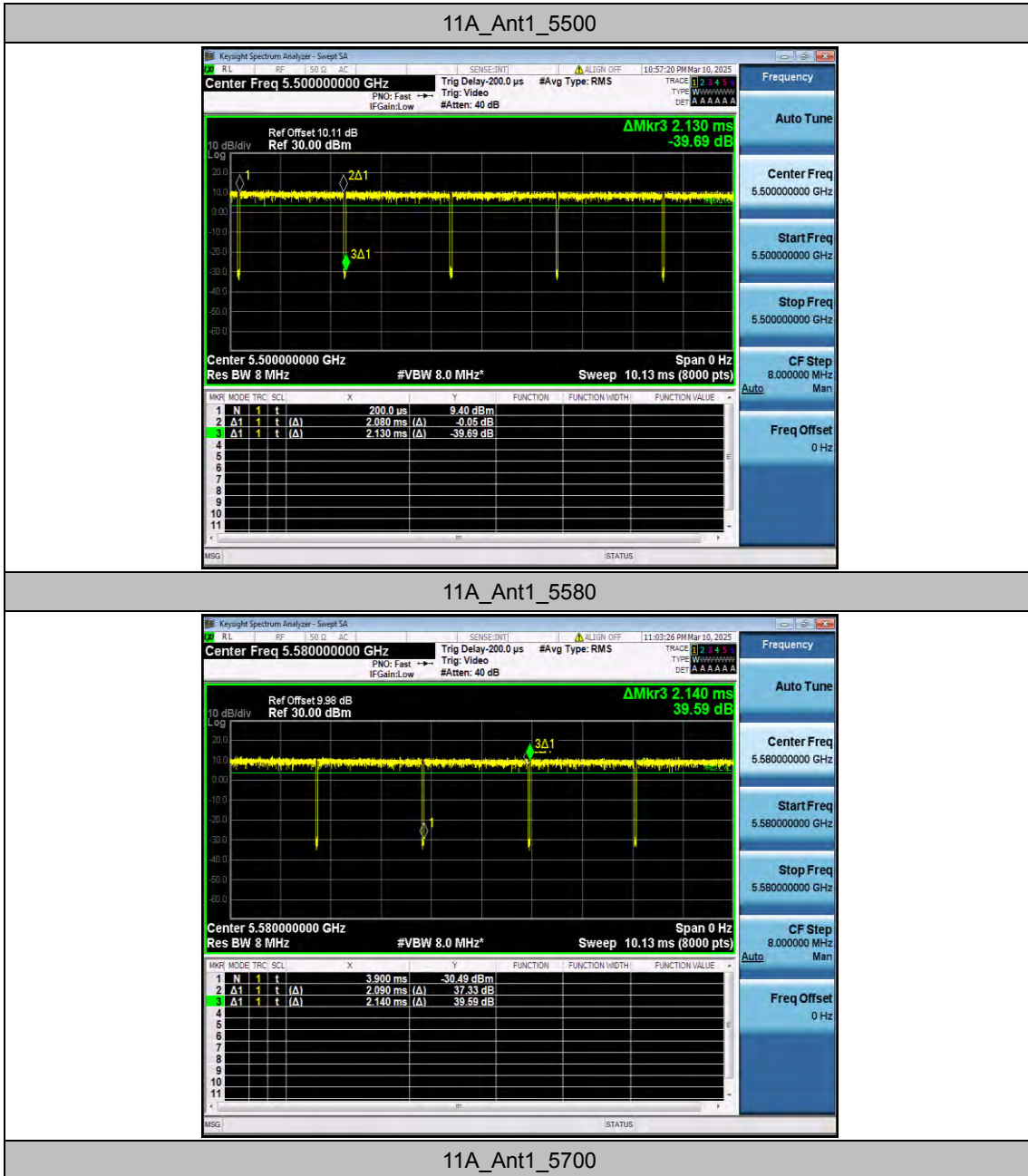


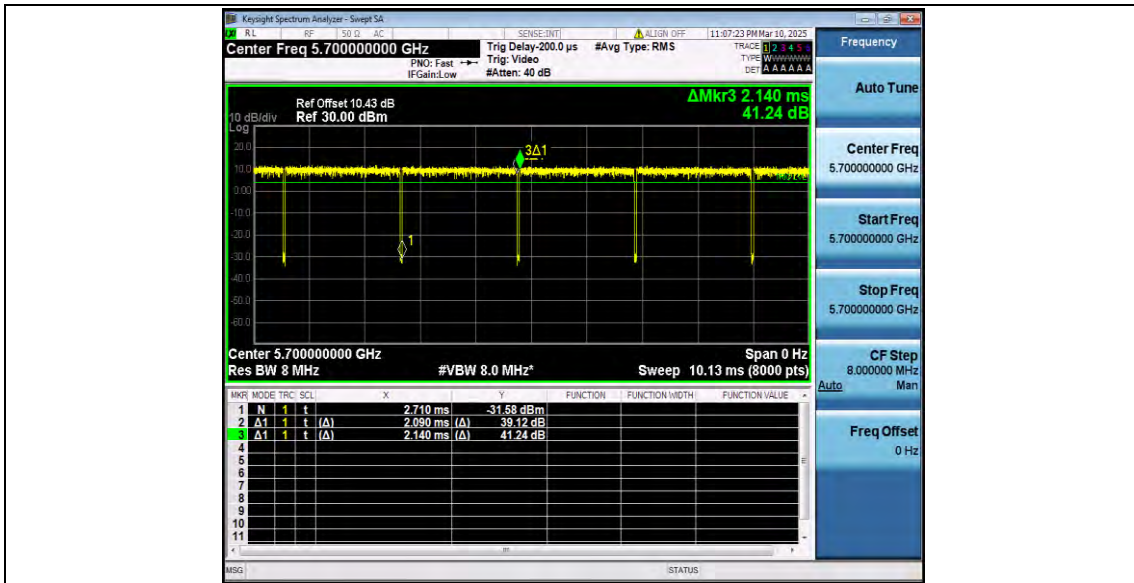
Appendix F.3: Duty Cycle

Test Result

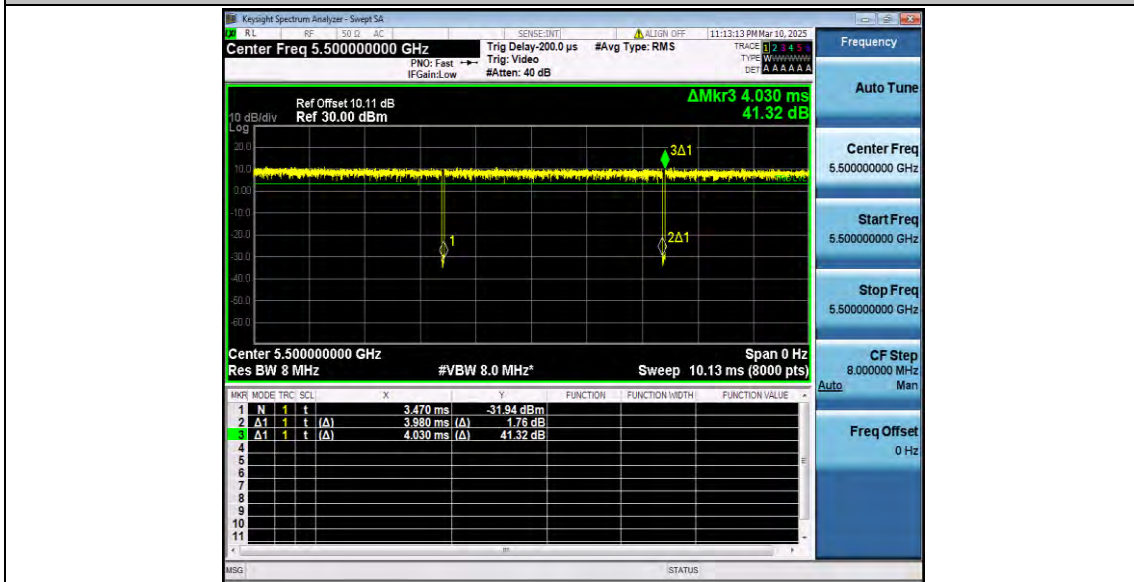
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.08	2.13	97.65	0.10	0.48
		5580	2.09	2.14	97.66	0.10	0.48
		5700	2.09	2.14	97.66	0.10	0.48
11N20SISO	Ant1	5500	3.98	4.03	98.76	0.05	0.25
		5580	0.18	0.23	78.26	1.06	5.56
		5700	0.18	0.23	78.26	1.06	5.56
11N40SISO	Ant1	5510	0.18	0.23	78.26	1.06	5.56
		5590	0.18	0.23	78.26	1.06	5.56
		5670	0.18	0.23	78.26	1.06	5.56
11AC20SISO	Ant1	5500	0.17	0.21	80.95	0.92	5.88
		5580	0.16	0.21	76.19	1.18	6.25
		5700	0.17	0.22	77.27	1.12	5.88
11AC40SISO	Ant1	5510	0.16	0.21	76.19	1.18	6.25
		5590	3.96	4.00	99.00	0.04	0.25
		5670	3.96	4.01	98.75	0.05	0.25
11AC80SISO	Ant1	5530	3.96	4.01	98.75	0.05	0.25
		5610	3.97	4.01	99.00	0.04	0.25
11AX20SISO	Ant1	5500	3.98	4.03	98.76	0.05	0.25
		5580	3.98	4.03	98.76	0.05	0.25
		5700	3.99	4.03	99.01	0.04	0.25
11AX40SISO	Ant1	5510	3.98	4.03	98.76	0.05	0.25
		5590	3.99	4.03	99.01	0.04	0.25
		5670	3.98	4.03	98.76	0.05	0.25
11AX80SISO	Ant1	5530	3.98	4.03	98.76	0.05	0.25
		5610	3.98	4.03	98.76	0.05	0.25

Test Graphs

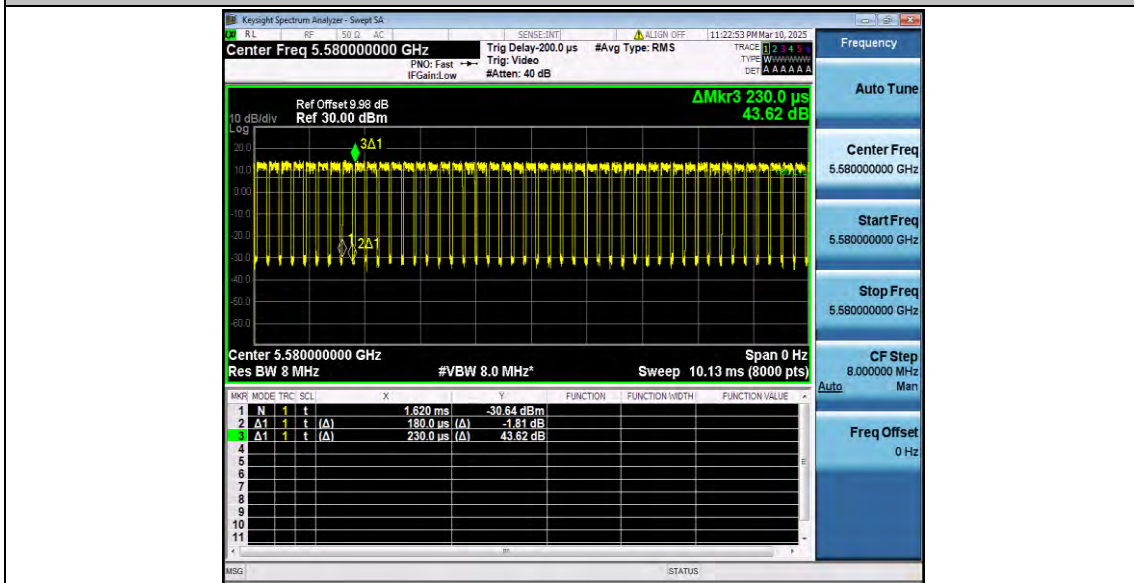




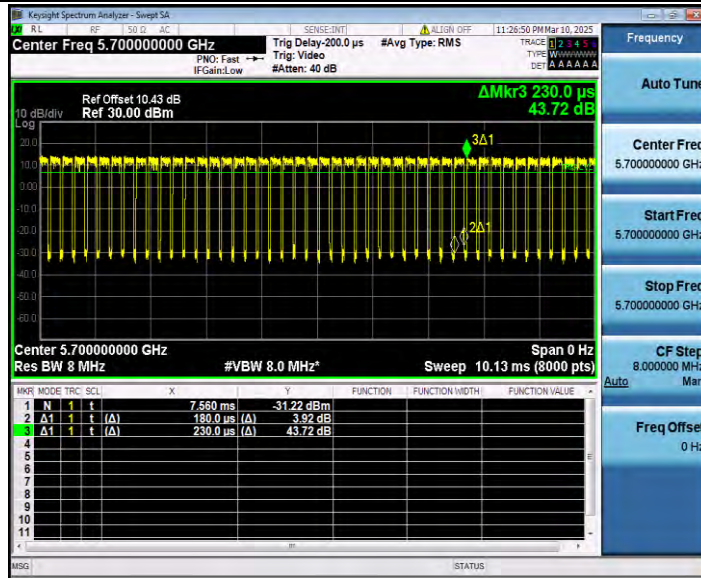
11N20SISO_Ant1_5500



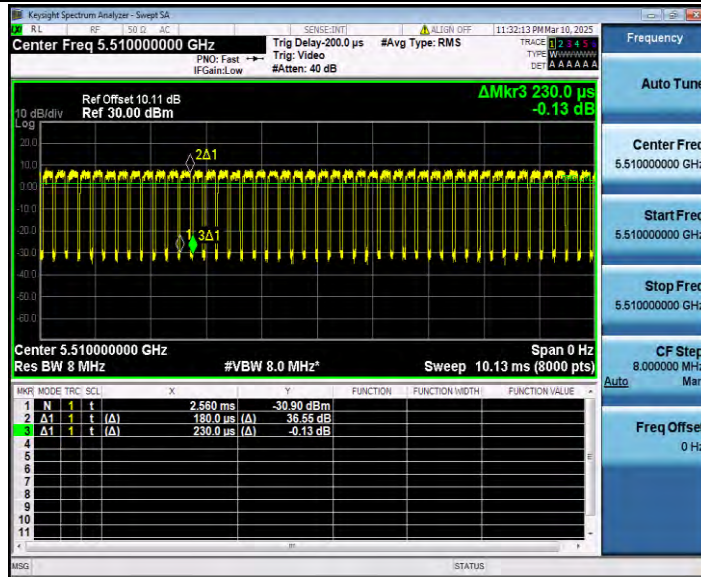
11N20SISO_Ant1_5580



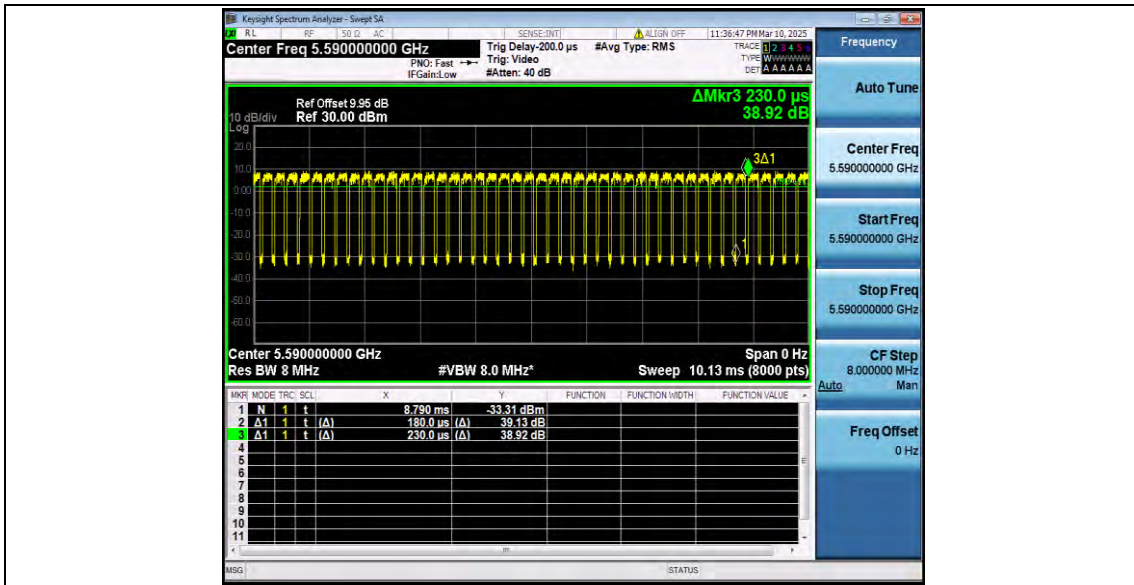
11N20SISO_Ant1_5700



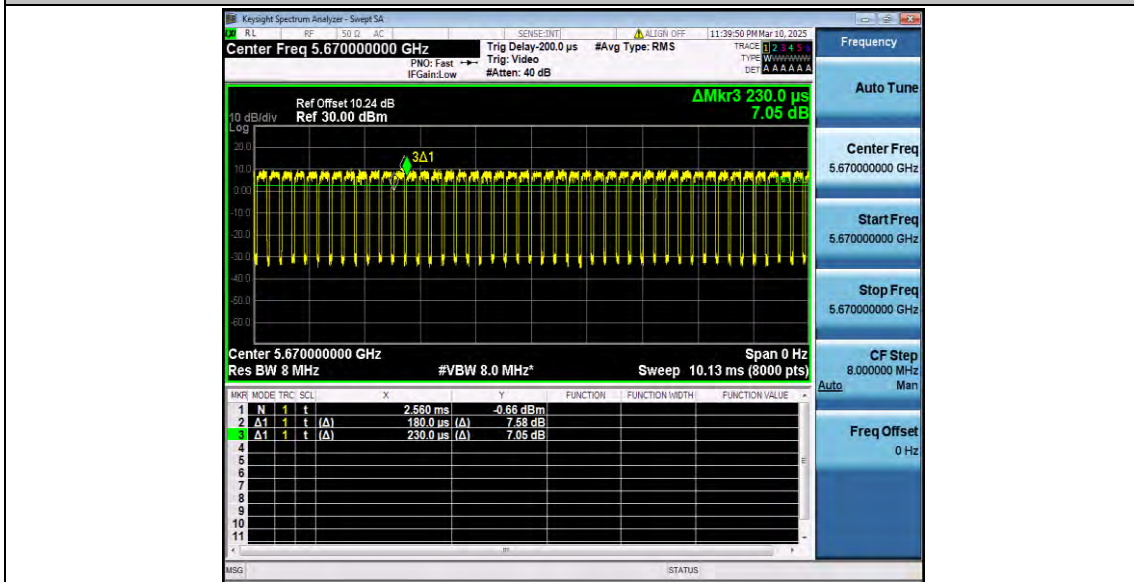
11N40SISO_Ant1_5510



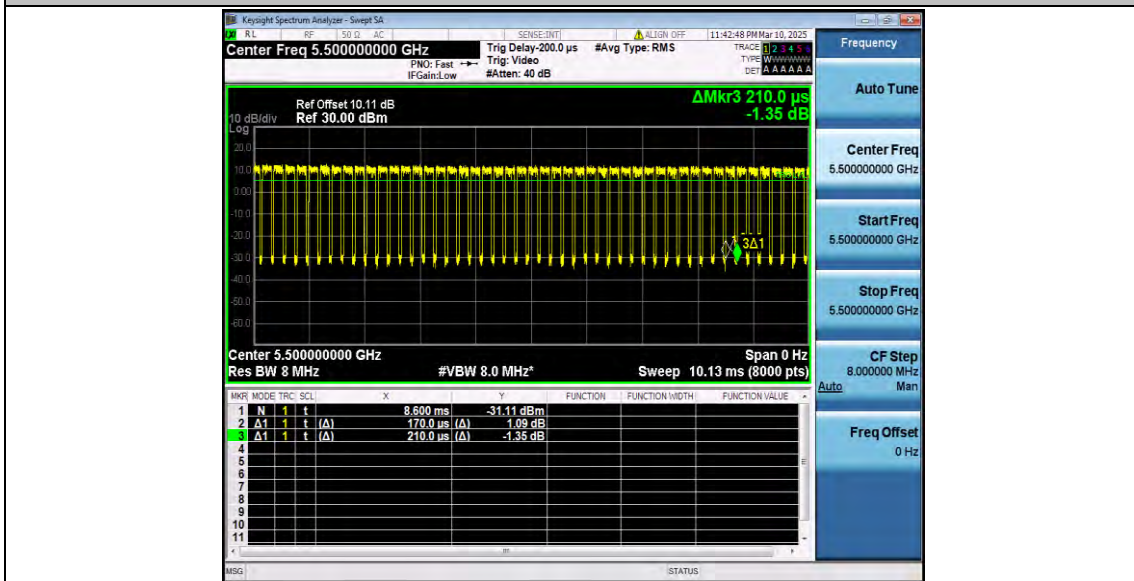
11N40SISO_Ant1_5590



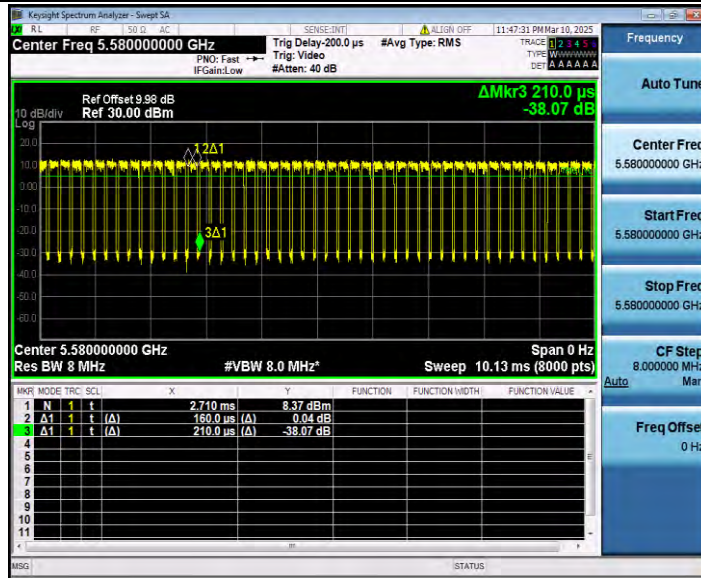
11N40SISO_Ant1_5670



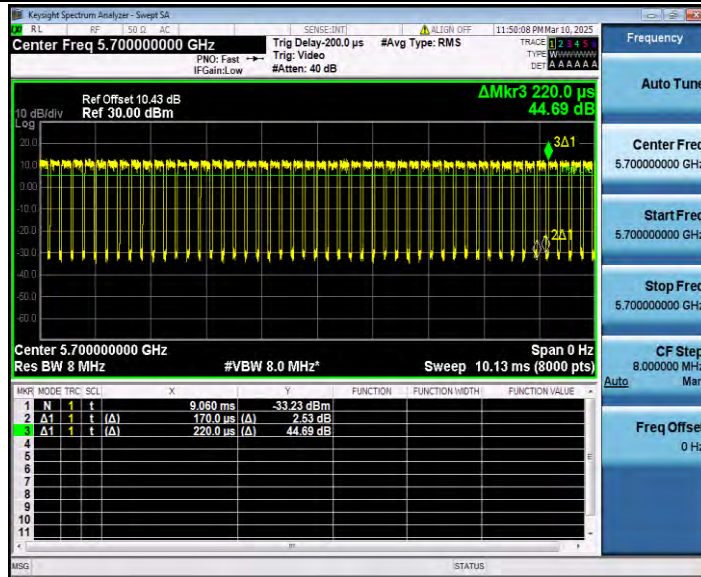
11AC20SISO_Ant1_5500



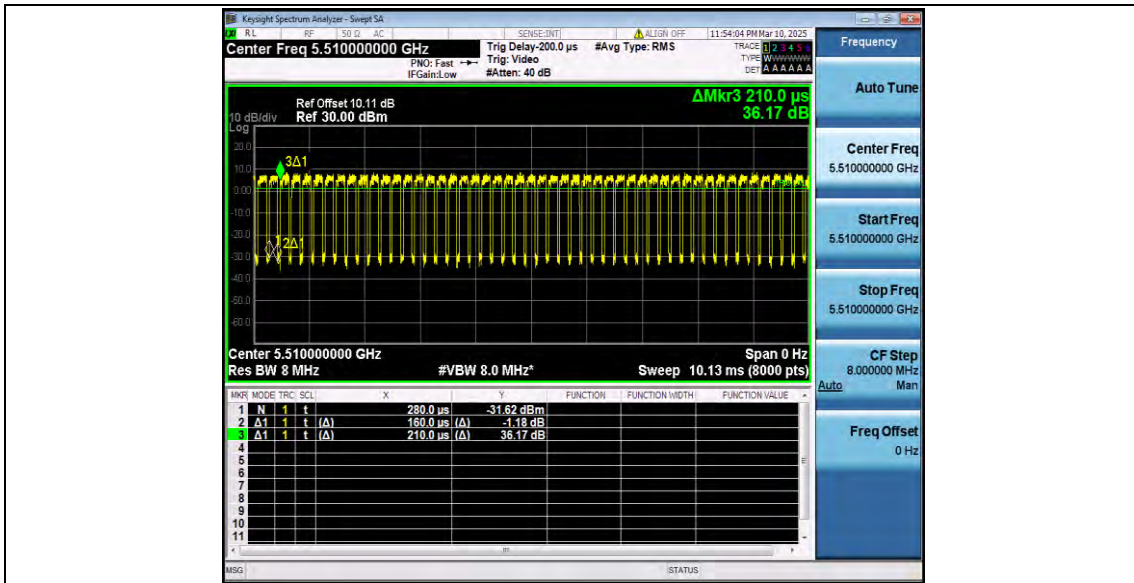
11AC20SISO_Ant1_5580



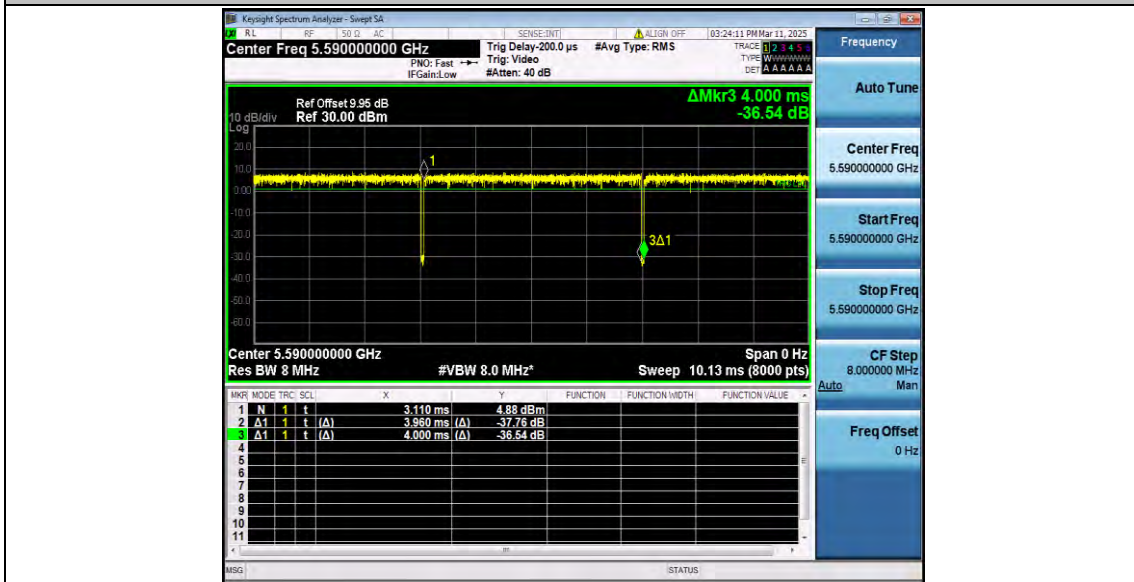
11AC20SISO_Ant1_5700



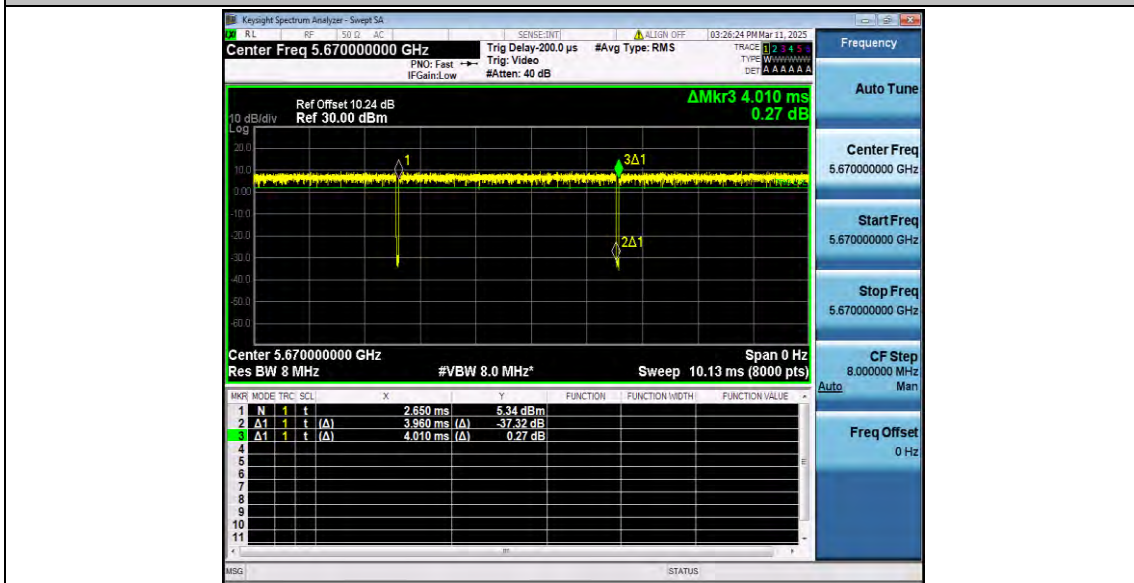
11AC40SISO_Ant1_5510



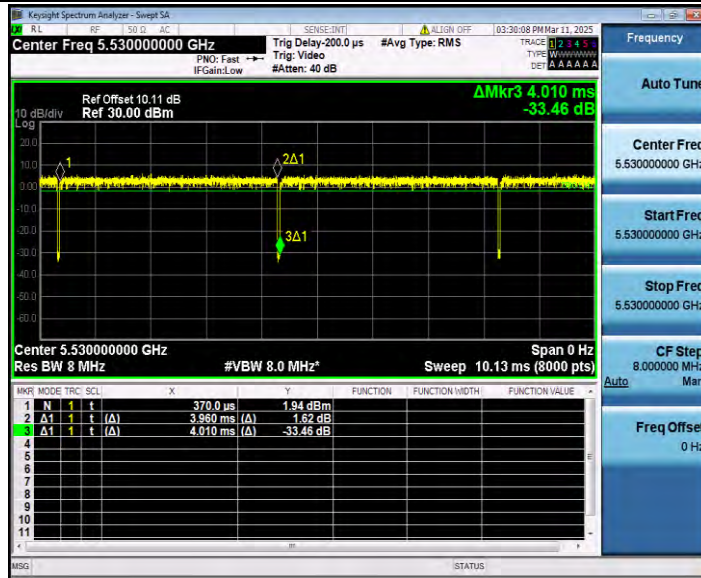
11AC40SISO_Ant1_5590



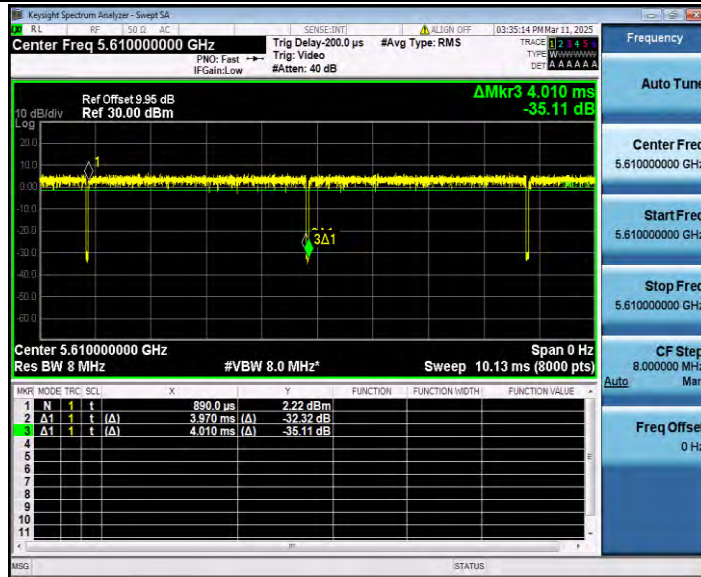
11AC40SISO_Ant1_5670



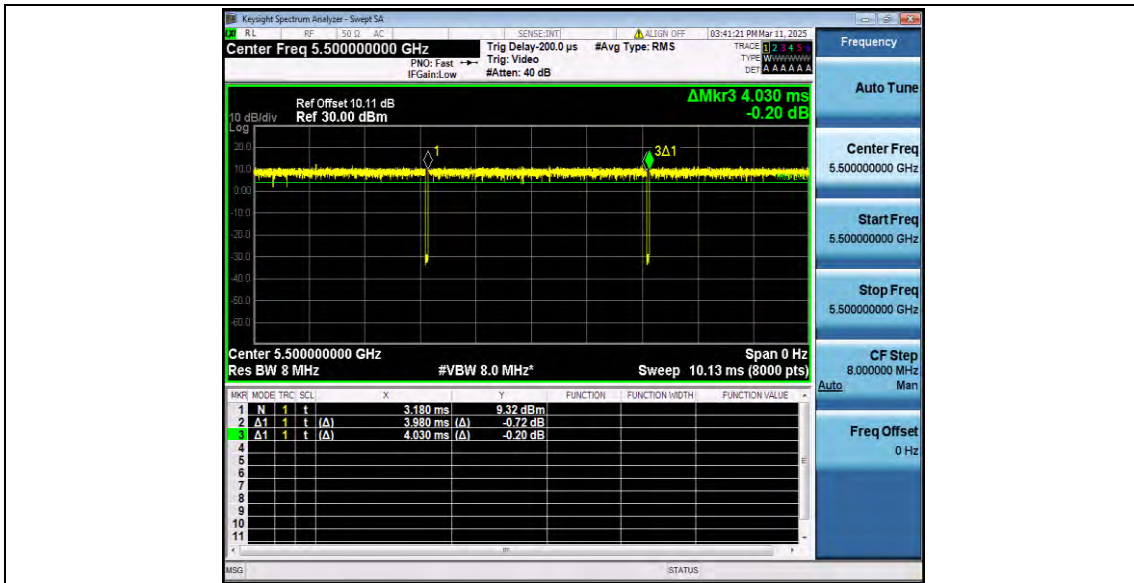
11AC80SISO_Ant1_5530



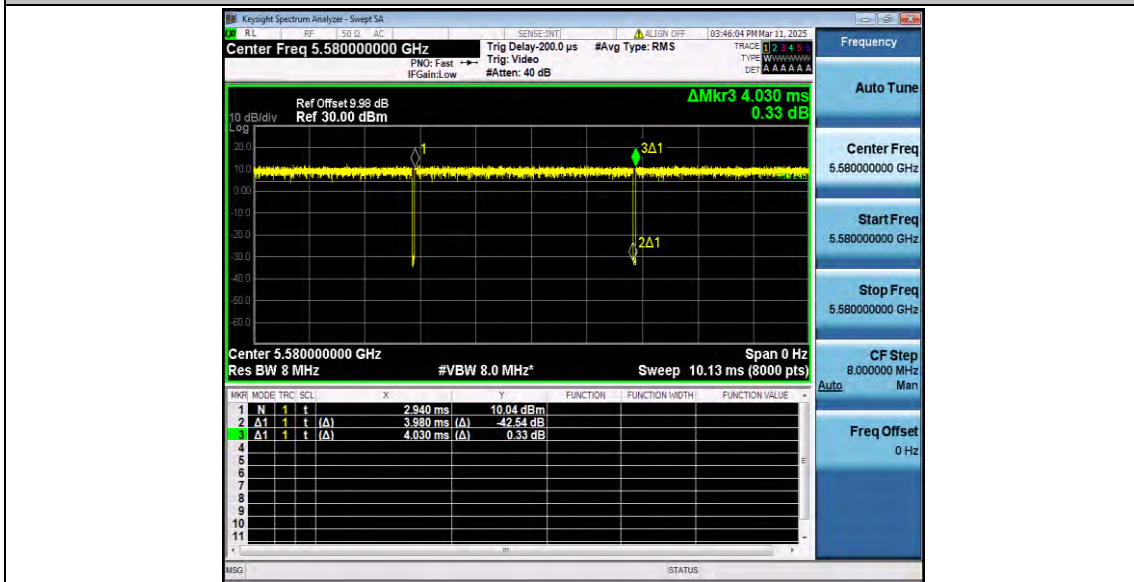
11AC80SISO_Ant1_5610



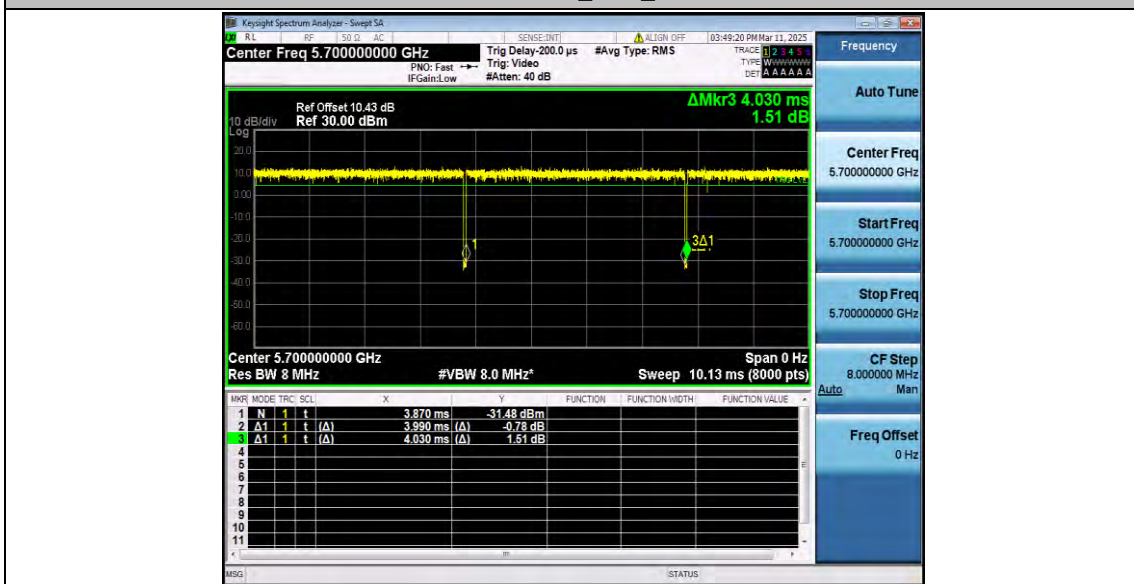
11AX20SISO_Ant1_5500



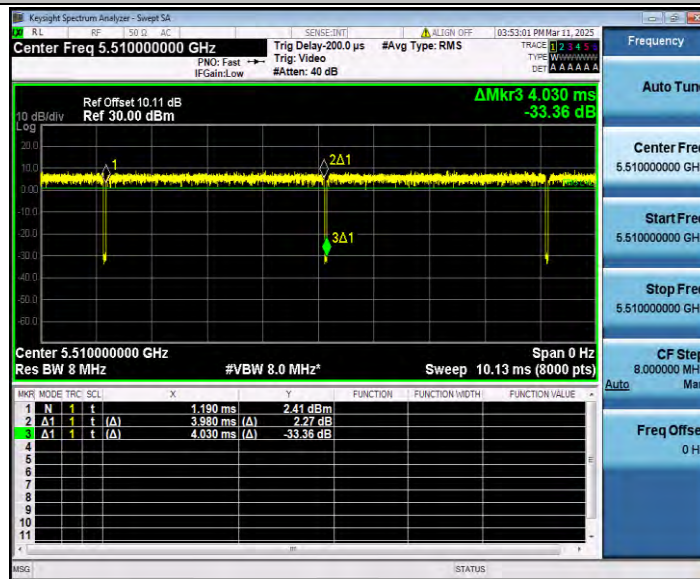
11AX20SISO_Ant1_5580



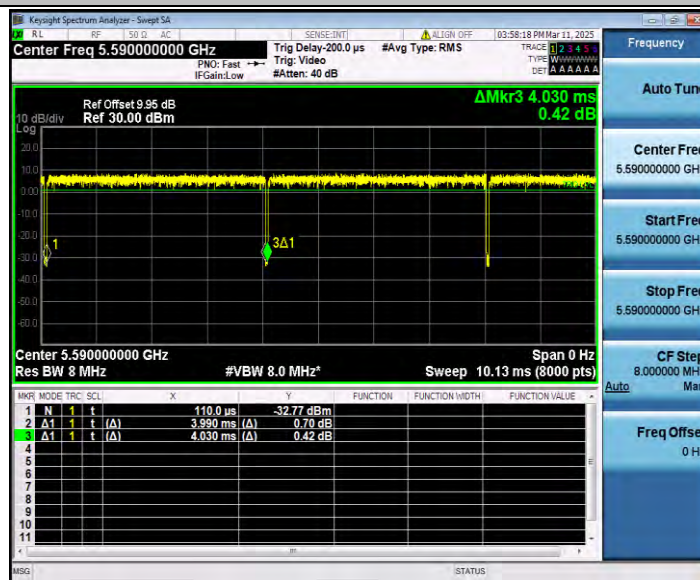
11AX20SISO_Ant1_5700



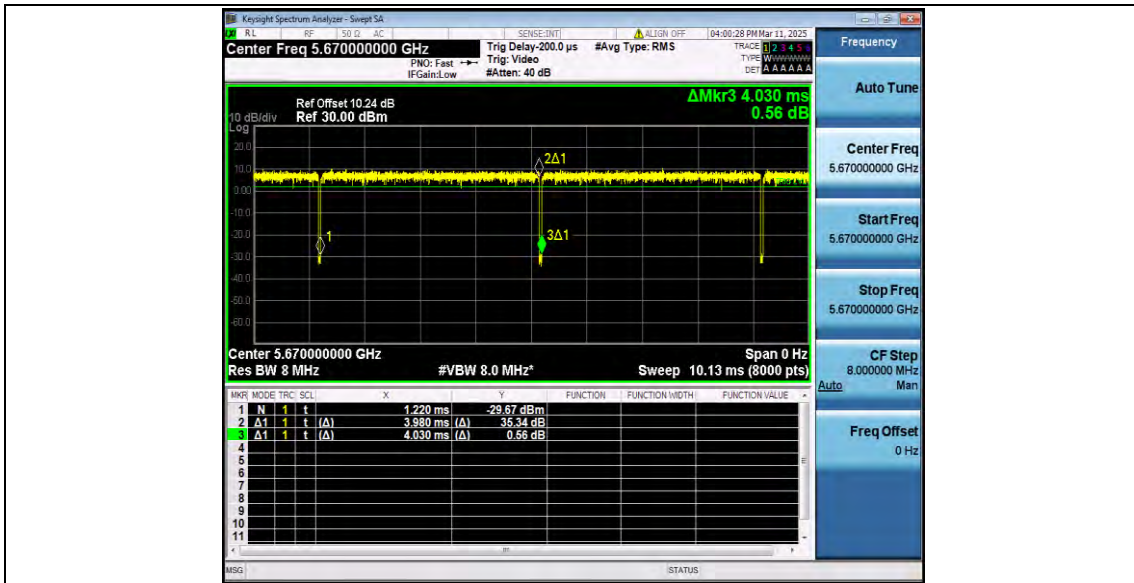
11AX40SISO_Ant1_5510



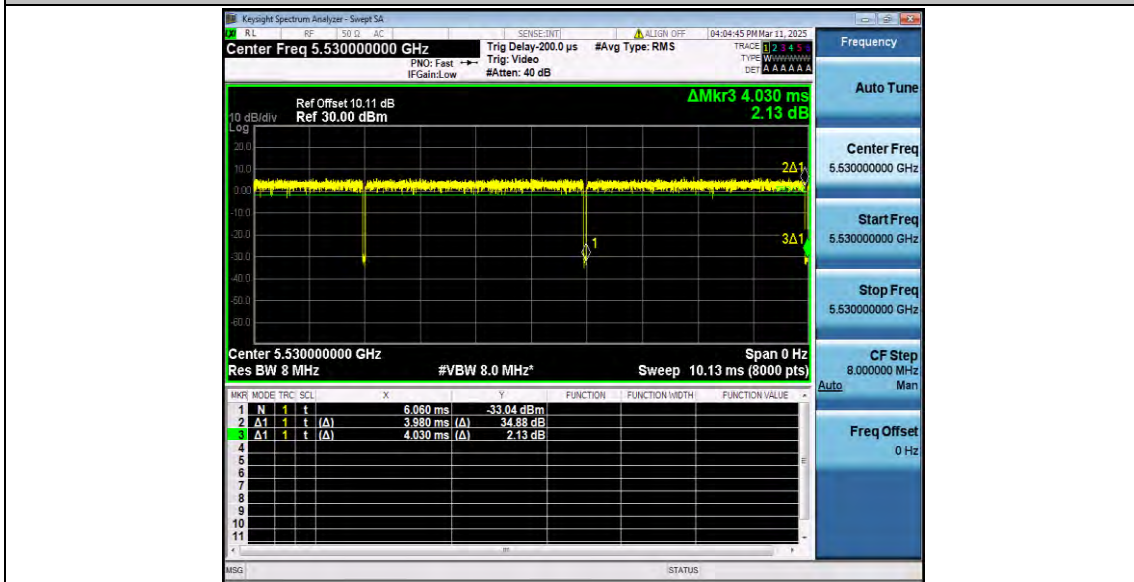
11AX40SISO_Ant1_5590



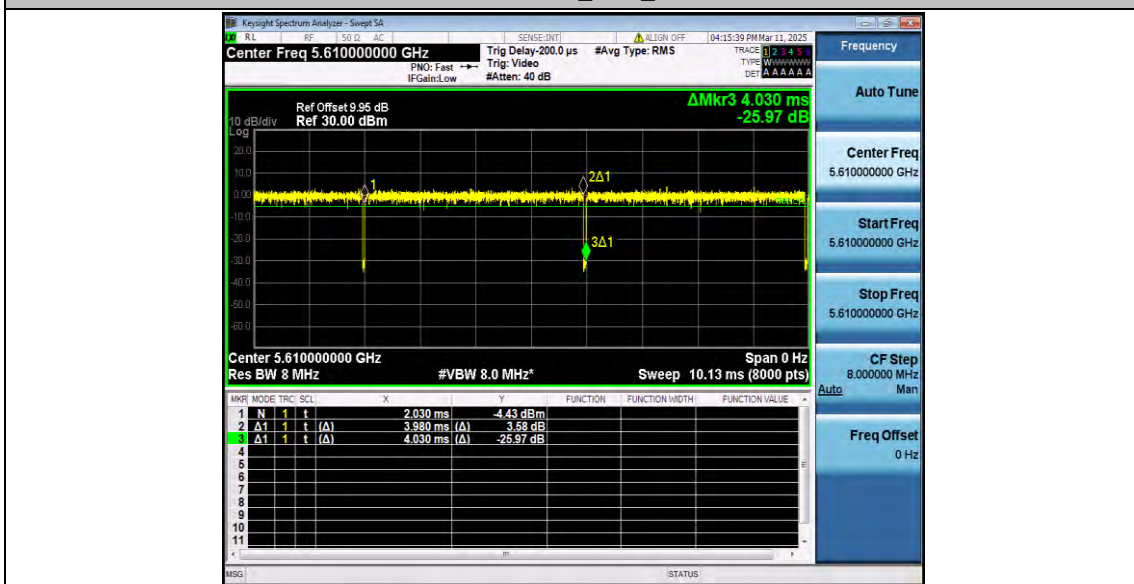
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610



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	10.88	97.65	0.10	10.98	≤23.98	PASS
		5580	11.55	97.66	0.10	11.65	≤23.98	PASS
		5700	11.54	97.66	0.10	11.64	≤23.98	PASS
11N20SISO	Ant1	5500	10.79	98.76	0.05	10.84	≤23.98	PASS
		5580	13.55	78.26	1.06	14.61	≤23.98	PASS
		5700	13.63	78.26	1.06	14.69	≤23.98	PASS
11N40SISO	Ant1	5510	11.53	78.26	1.06	12.59	≤23.98	PASS
		5590	12.35	78.26	1.06	13.41	≤23.98	PASS
		5670	12.95	78.26	1.06	14.01	≤23.98	PASS
11AC20SISO	Ant1	5500	11.67	80.95	0.92	12.59	≤23.98	PASS
		5580	11.95	76.19	1.18	13.13	≤23.98	PASS
		5700	12.11	77.27	1.12	13.23	≤23.98	PASS
11AC40SISO	Ant1	5510	11.26	76.19	1.18	12.44	≤23.98	PASS
		5590	12.50	99.00	0.04	12.54	≤23.98	PASS
		5670	13.28	98.75	0.05	13.33	≤23.98	PASS
11AC80SISO	Ant1	5530	11.89	98.75	0.05	11.94	≤23.98	PASS
		5610	12.52	99.00	0.04	12.56	≤23.98	PASS
11AX20SISO	Ant1	5500	11.94	98.76	0.05	11.99	≤23.98	PASS
		5580	12.43	98.76	0.05	12.48	≤23.98	PASS
		5700	12.47	99.01	0.04	12.51	≤23.98	PASS
11AX40SISO	Ant1	5510	11.88	98.76	0.05	11.93	≤23.98	PASS
		5590	12.31	99.01	0.04	12.35	≤23.98	PASS
		5670	13.22	98.76	0.05	13.27	≤23.98	PASS
11AX80SISO	Ant1	5530	11.81	98.76	0.05	11.86	≤23.98	PASS
		5610	8.47	98.76	0.05	8.52	≤23.98	PASS

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-0.02	≤11.00	PASS
		5580	0.50	≤11.00	PASS
		5700	0.81	≤11.00	PASS
11N20SISO	Ant1	5500	-0.40	≤11.00	PASS
		5580	3.38	≤11.00	PASS
		5700	3.76	≤11.00	PASS
11N40SISO	Ant1	5510	-1.43	≤11.00	PASS
		5590	-0.72	≤11.00	PASS
		5670	-0.39	≤11.00	PASS
11AC20SISO	Ant1	5500	1.50	≤11.00	PASS
		5580	1.95	≤11.00	PASS
		5700	2.12	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.74	≤11.00	PASS
		5590	-1.85	≤11.00	PASS
		5670	-1.00	≤11.00	PASS
11AC80SISO	Ant1	5530	-4.74	≤11.00	PASS
		5610	-4.42	≤11.00	PASS
11AX20SISO	Ant1	5500	0.53	≤11.00	PASS
		5580	0.91	≤11.00	PASS
		5700	1.43	≤11.00	PASS
11AX40SISO	Ant1	5510	-2.56	≤11.00	PASS
		5590	-2.19	≤11.00	PASS
		5670	-1.28	≤11.00	PASS
11AX80SISO	Ant1	5530	-5.15	≤11.00	PASS
		5610	-8.44	≤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

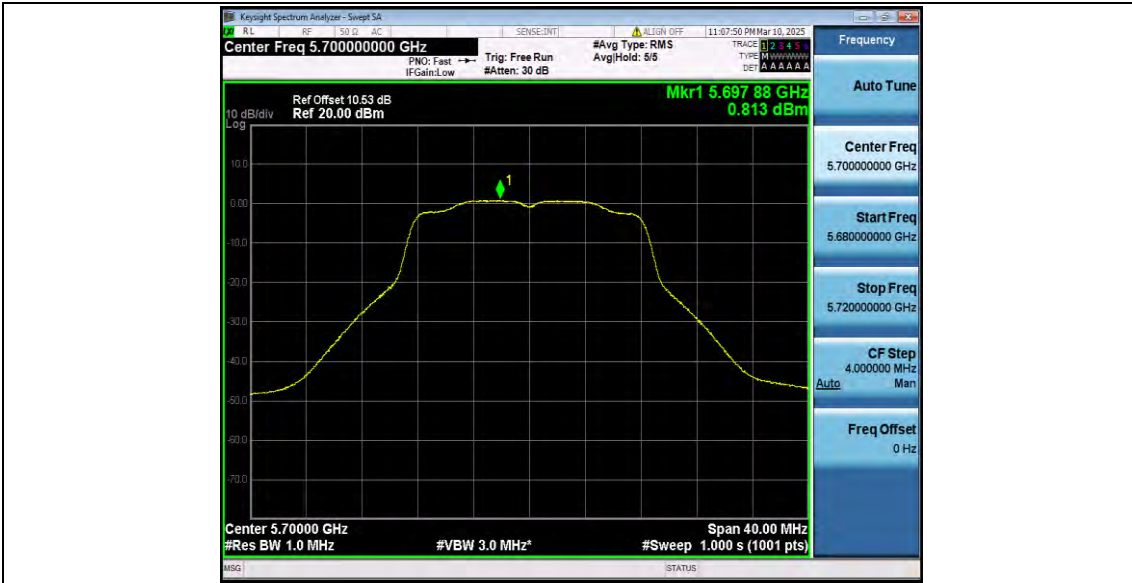
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



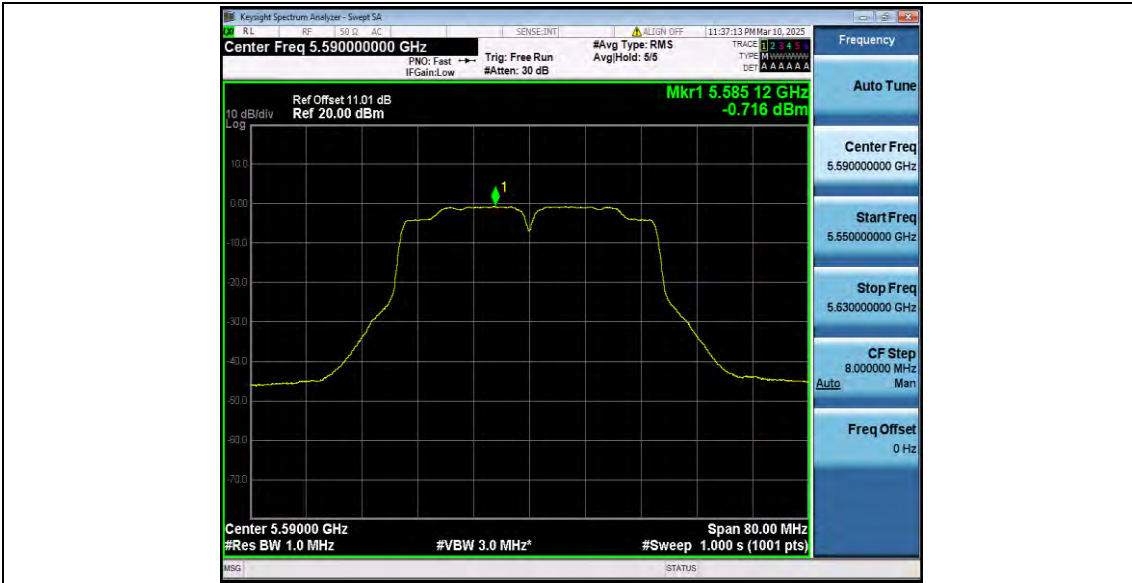
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



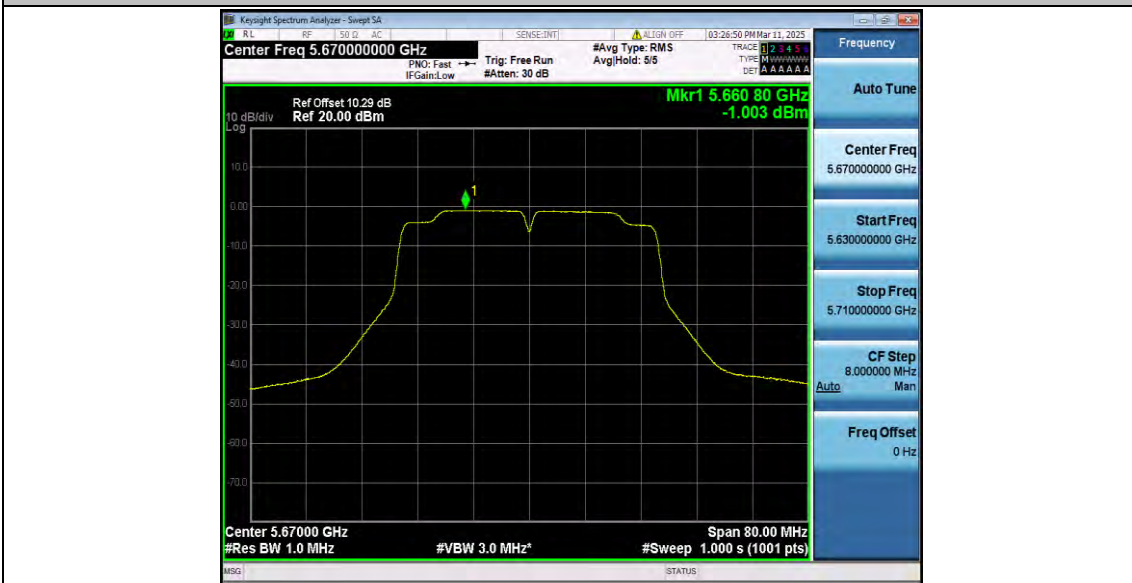
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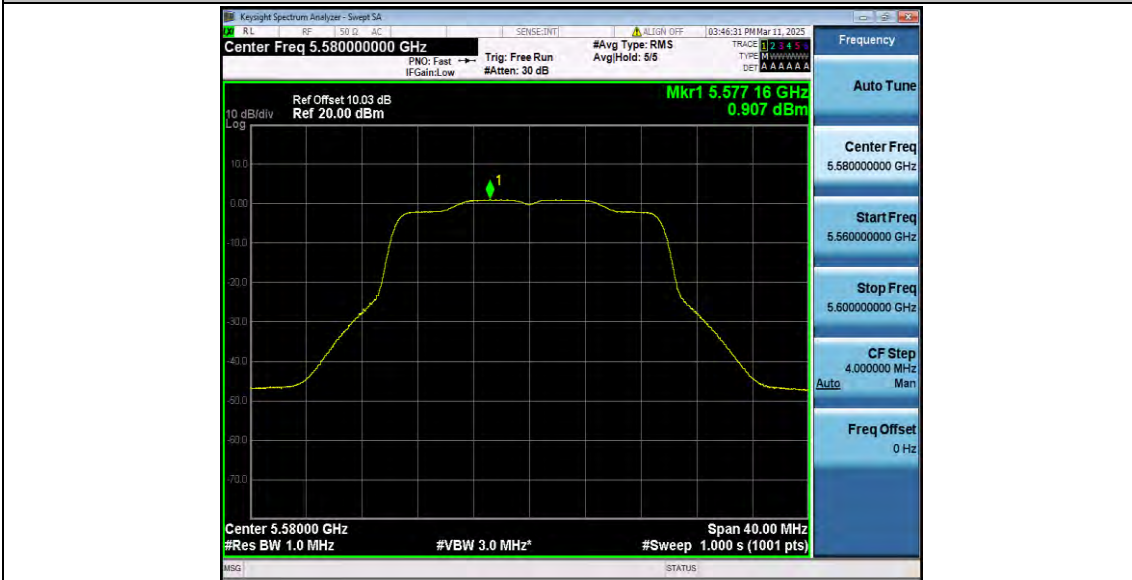
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11AX20SISO_Ant1_5500



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11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

