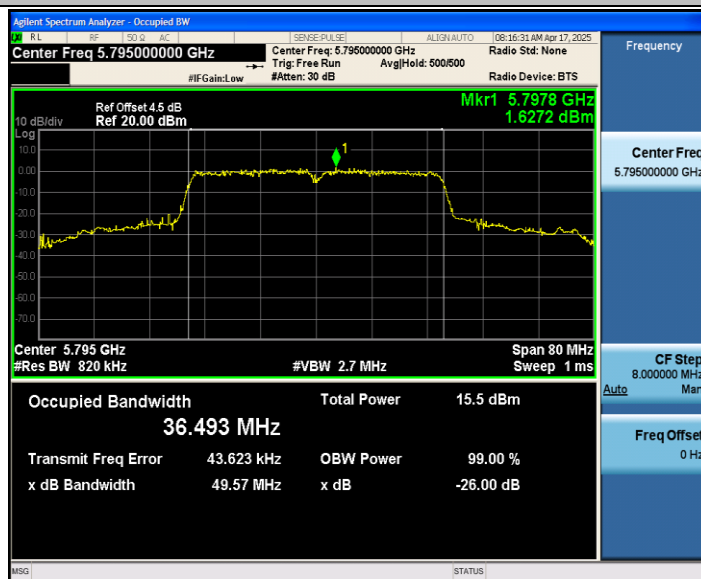


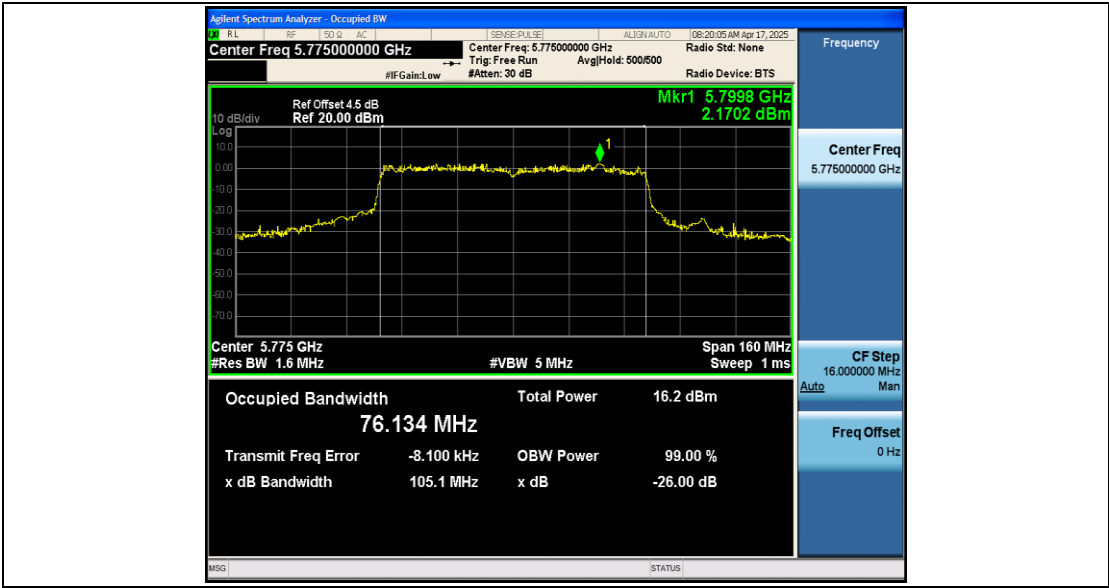
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

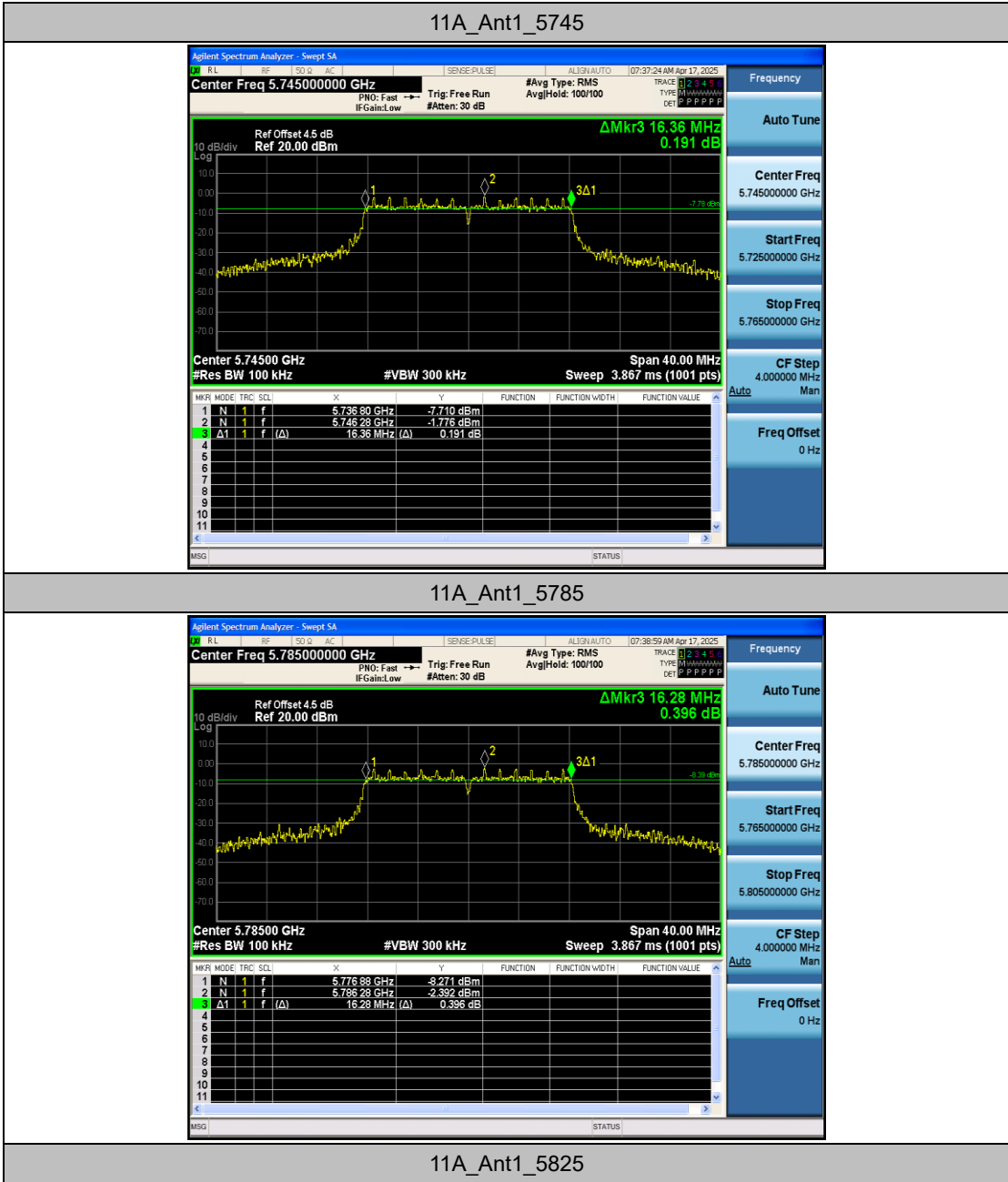


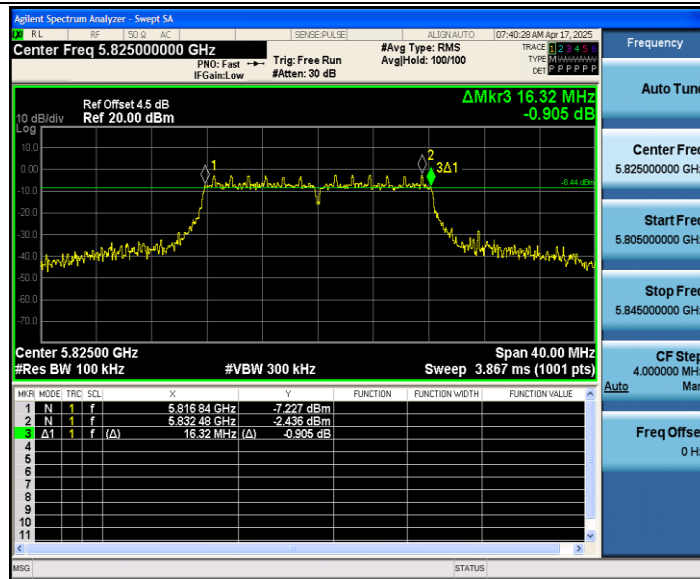
Appendix A3: Min emission bandwidth

Test Result B4

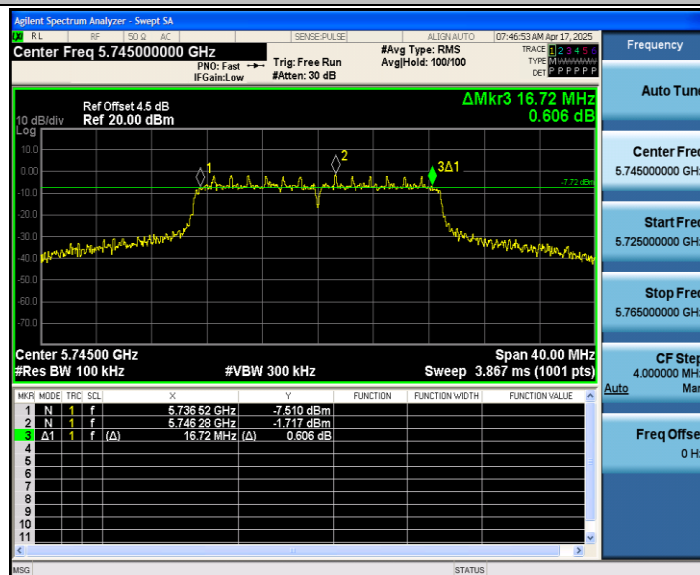
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.280	5776.880	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.720	5736.520	5753.240	0.5	PASS
		5785	16.880	5776.640	5793.520	0.5	PASS
		5825	16.960	5816.400	5833.360	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.840	5736.520	5753.360	0.5	PASS
		5785	17.040	5776.480	5793.520	0.5	PASS
		5825	16.840	5816.520	5833.360	0.5	PASS
11AC40SISO	Ant1	5755	35.440	5737.240	5772.680	0.5	PASS
		5795	35.440	5777.240	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

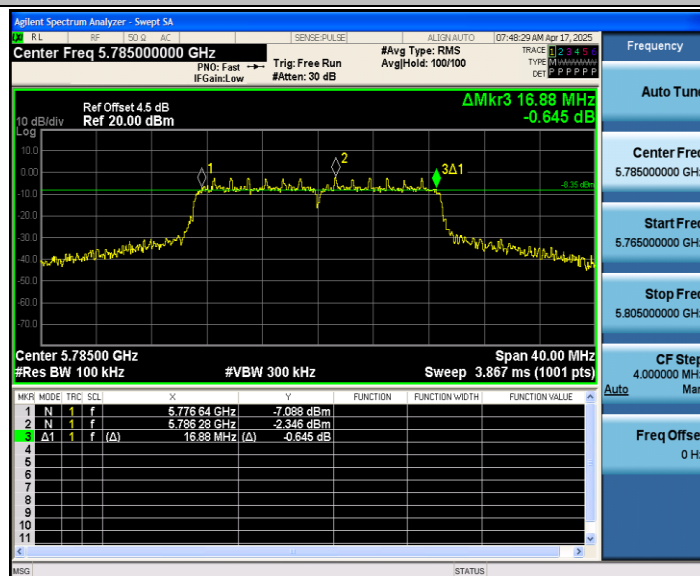




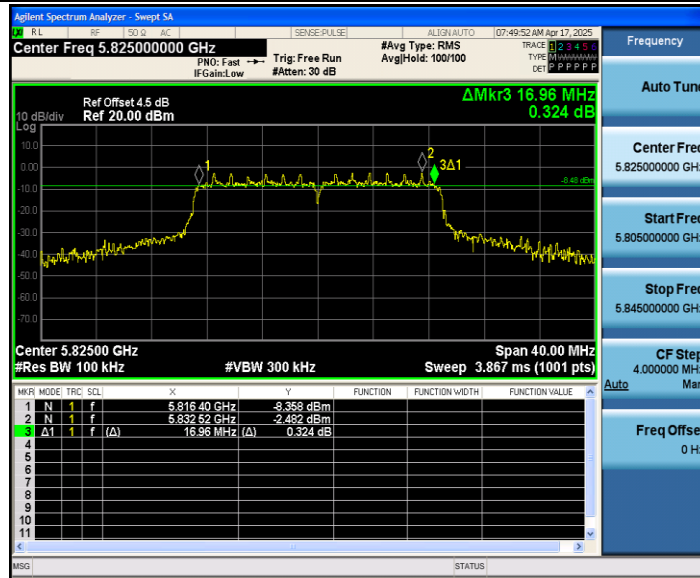
11N20SISO_Ant1_5745



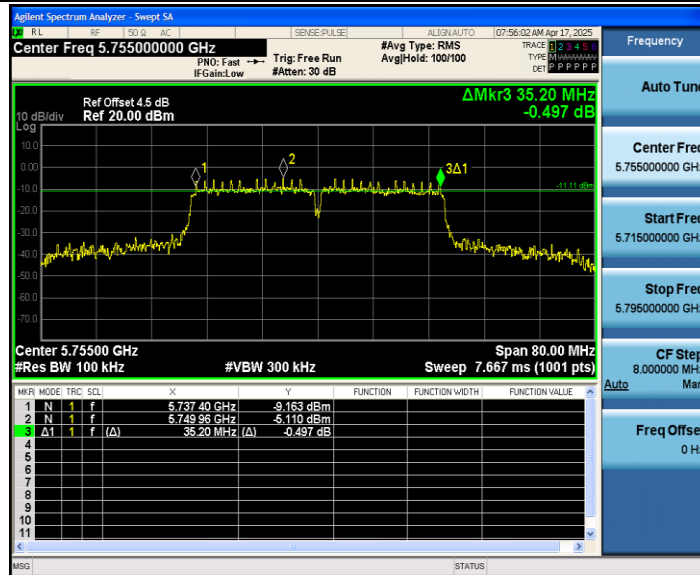
11N20SISO_Ant1_5785



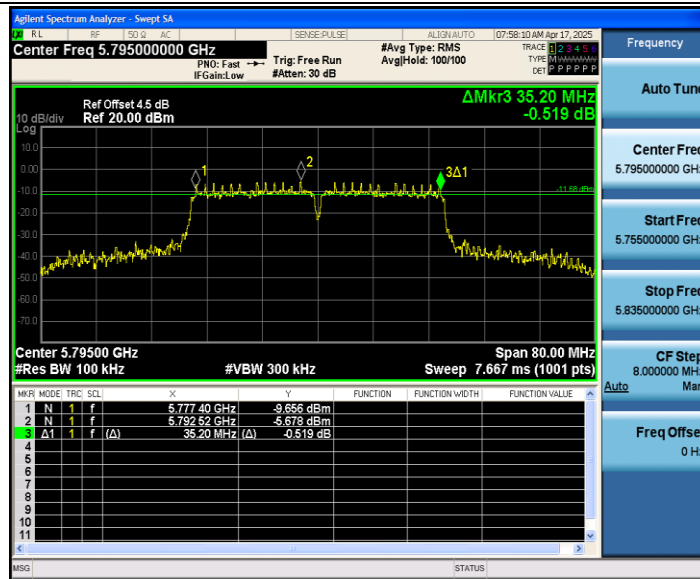
11N20SISO_Ant1_5825



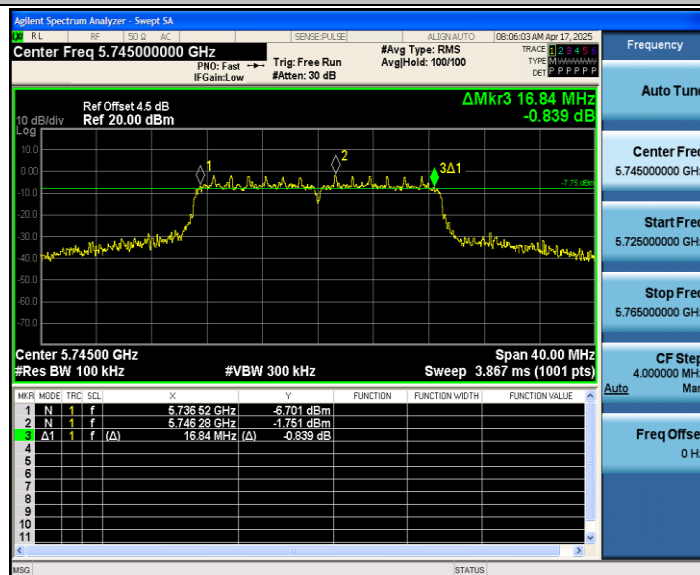
11N40SISO_Ant1_5755



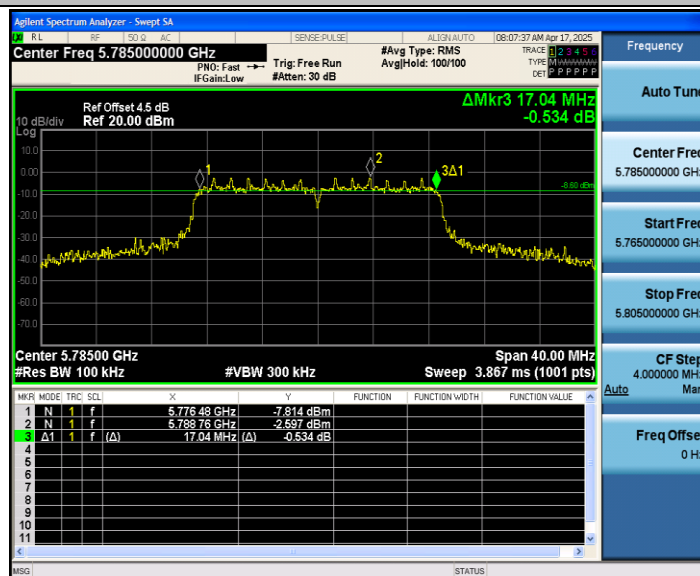
11N40SISO_Ant1_5795



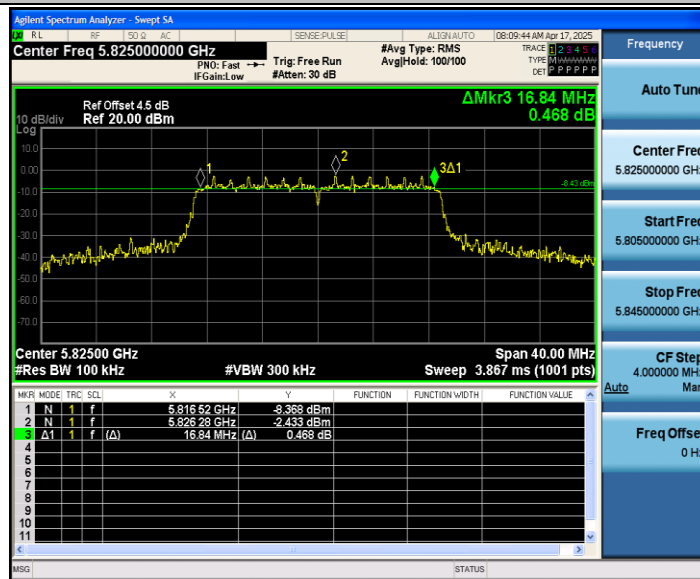
11AC20SISO_Ant1_5745



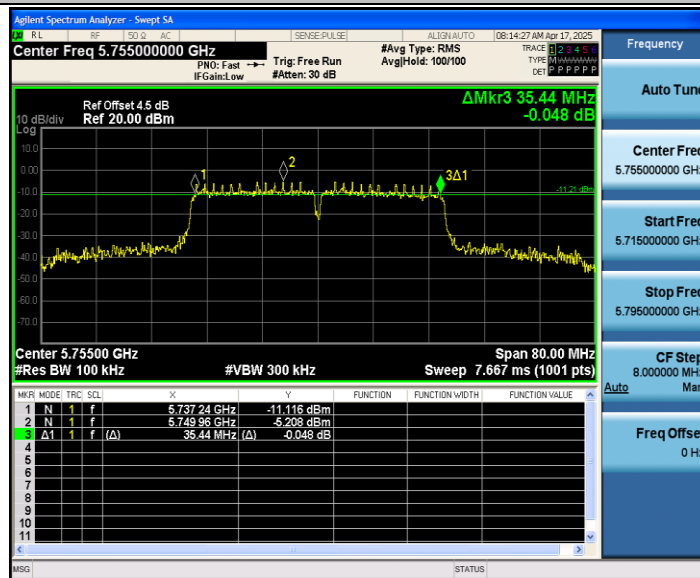
11AC20SISO_Ant1_5785



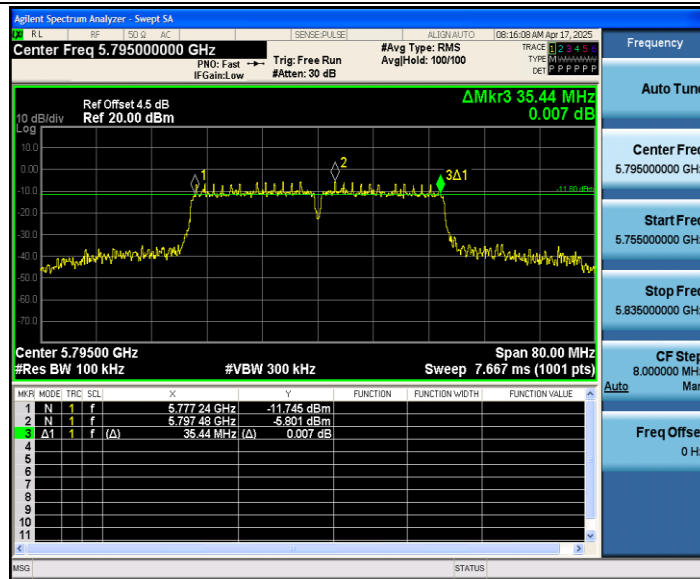
11AC20SISO_Ant1_5825



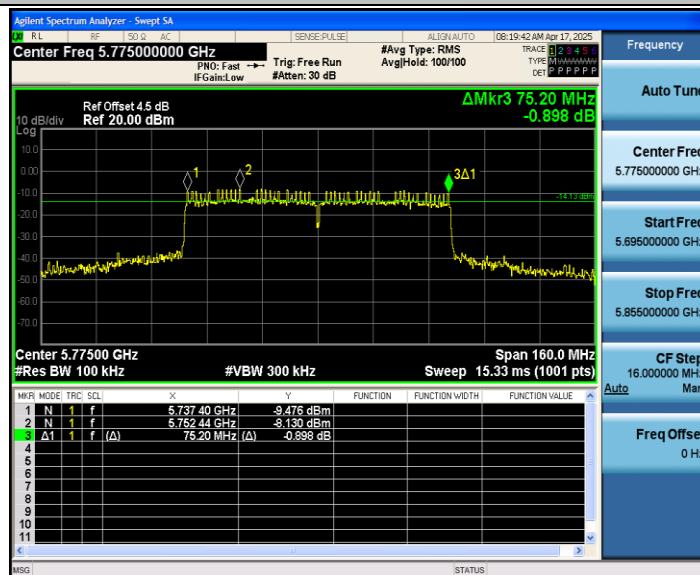
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.29	37.93	4.21	---	---
		5220	0.11	0.23	47.83	3.20	---	---
		5240	0.11	0.29	37.93	4.21	---	---
		5745	0.12	0.32	37.50	4.26	---	---
		5785	0.11	0.30	36.67	4.36	---	---
		5825	0.11	0.28	39.29	4.06	---	---
11N20SISO	Ant1	5180	0.11	0.28	39.29	4.06	---	---
		5220	0.11	0.26	42.31	3.74	---	---
		5240	0.11	0.27	40.74	3.90	---	---
		5745	0.11	0.29	37.93	4.21	---	---
		5785	0.12	0.26	46.15	3.36	---	---
		5825	0.11	0.28	39.29	4.06	---	---
11N40SISO	Ant1	5190	0.07	0.26	26.92	5.70	---	---
		5230	0.07	0.28	25.00	6.02	---	---
		5755	0.07	0.25	28.00	5.53	---	---
		5795	0.07	0.29	24.14	6.17	---	---
11AC20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.12	0.30	40.00	3.98	---	---
		5240	0.12	0.34	35.29	4.52	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.24	50.00	3.01	---	---
		5825	0.12	0.34	35.29	4.52	---	---
11AC40SISO	Ant1	5190	0.08	0.29	27.59	5.59	---	---
		5230	0.08	0.26	30.77	5.12	---	---
		5755	0.08	0.29	27.59	5.59	---	---
		5795	0.08	0.24	33.33	4.77	---	---
11AC80SISO	Ant1	5210	0.06	0.25	24.00	6.20	---	---
		5775	0.05	0.26	19.23	7.16	---	---

11A_Ant1_5180

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.180000000 GHz

Ref Offset 4.5 dB
Ref 24.50 dBm

Trig Delay: 2.000 ms
Trig: Video
#Aven: 30 dB

Span 0 Hz
Sweep 2.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		550.0 μ s			-39.71 dBm
2	A1	1	t	(A)	110.0 μ s (A)			-52.91 dB
3	A1	1	t	(A)	230.0 μ s (A)			-53.07 dB

11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

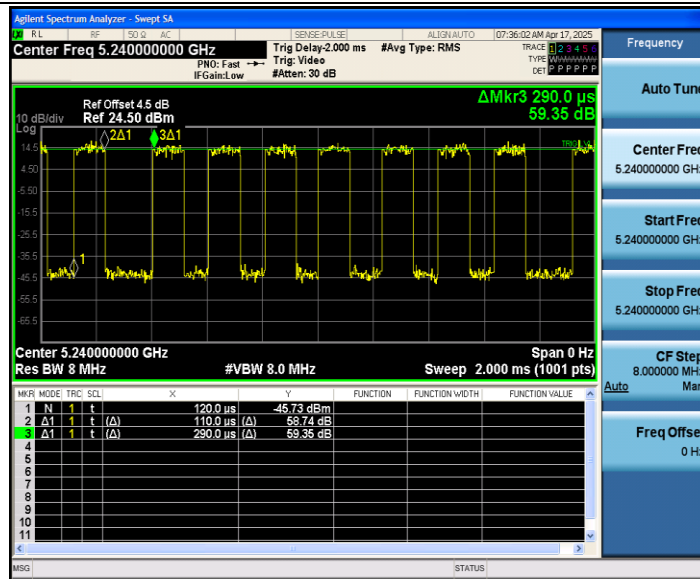
Center Freq 5.220000000 GHz

Ref Offset 4.5 dB
Ref 24.50 dBm

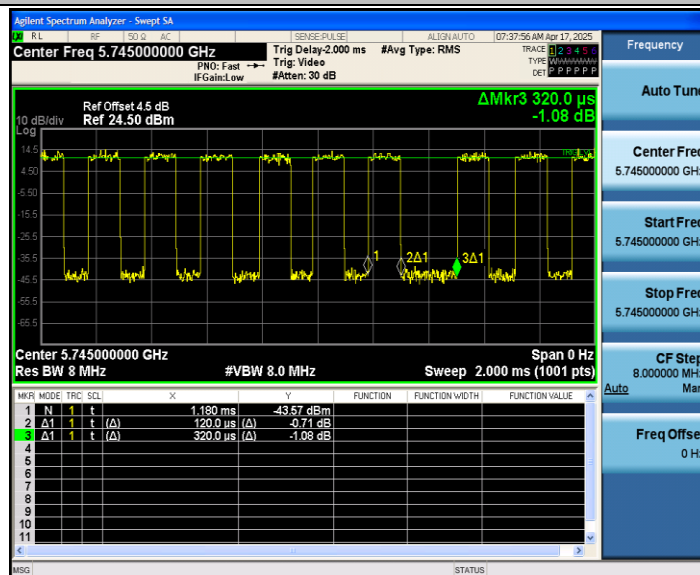
Trig Delay: 2.000 ms
Trig: Video
#Aven: 30 dB

Span 0 Hz
Sweep 2.000 ms (1001 pts)

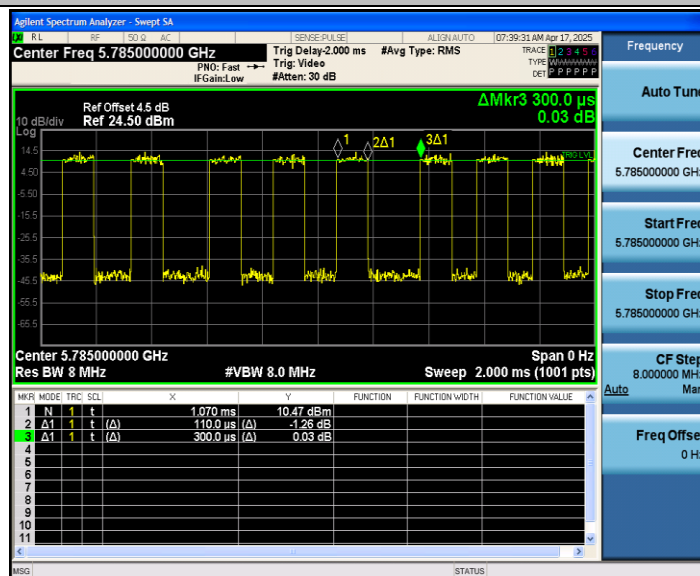
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		700.0 μ s			-13.18 dBm
2	A1	1	t	(A)	110.0 μ s (A)			-57.62 dB
3	A1	1	t	(A)	230.0 μ s (A)			-58.12 dB

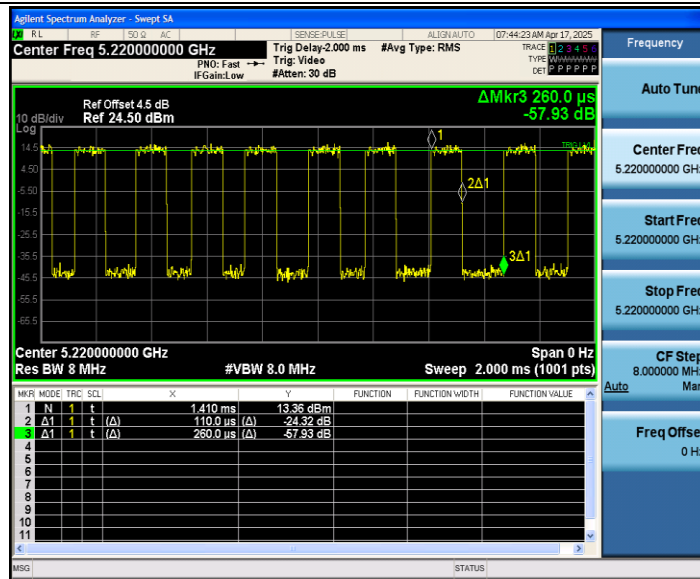


11A_Ant1_5745

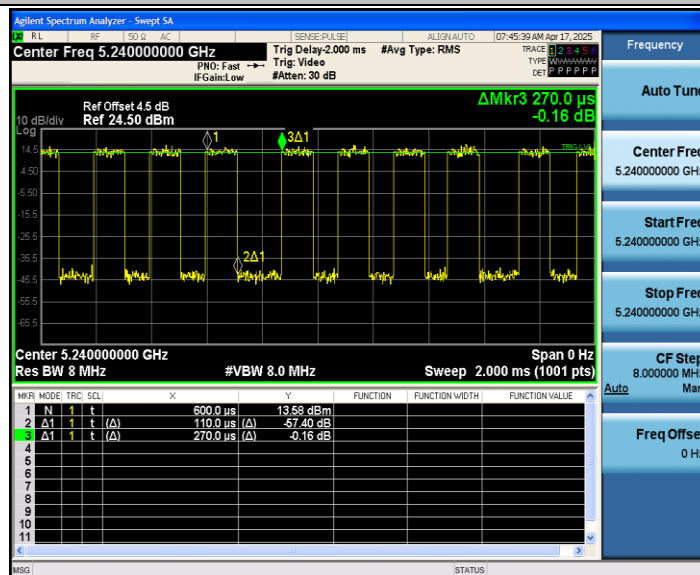


11A_Ant1_5785

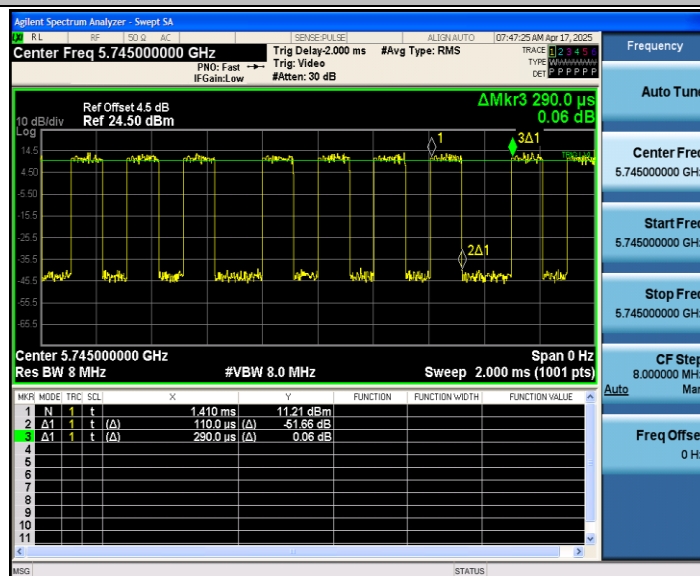


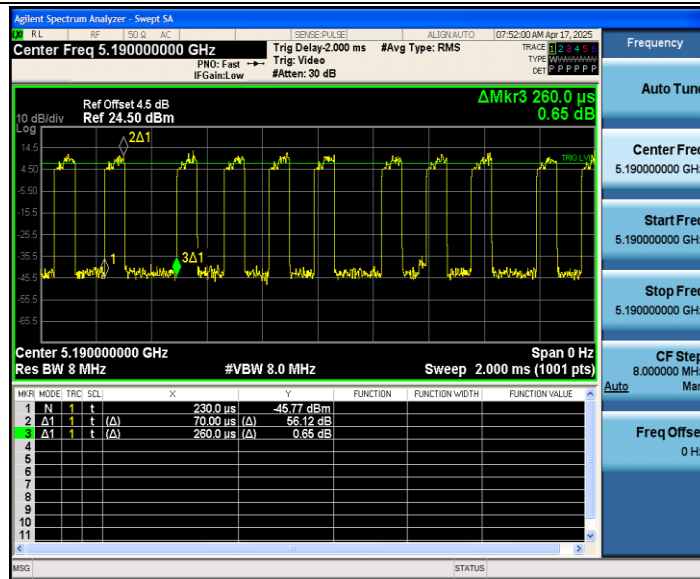


11N20SISO_Ant1_5240

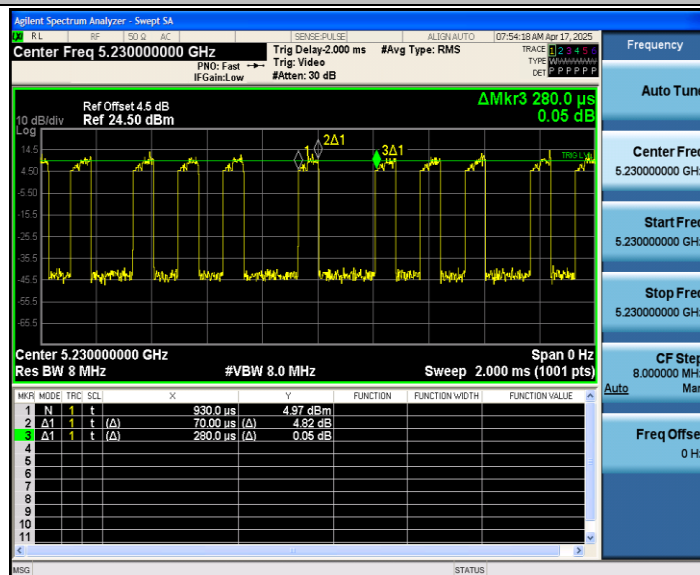


11N20SISO_Ant1_5745

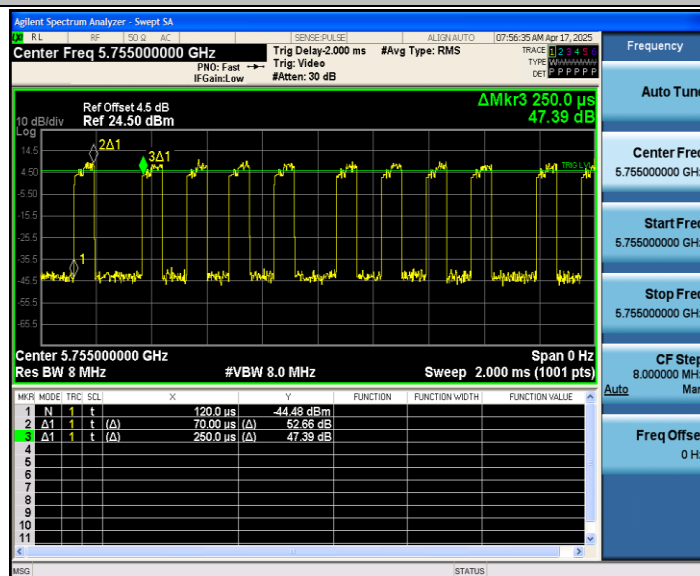




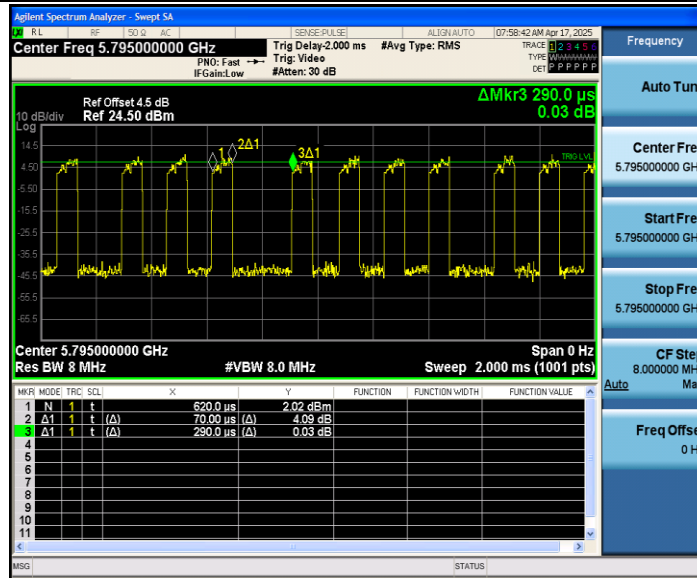
11N40SISO_Ant1_5230



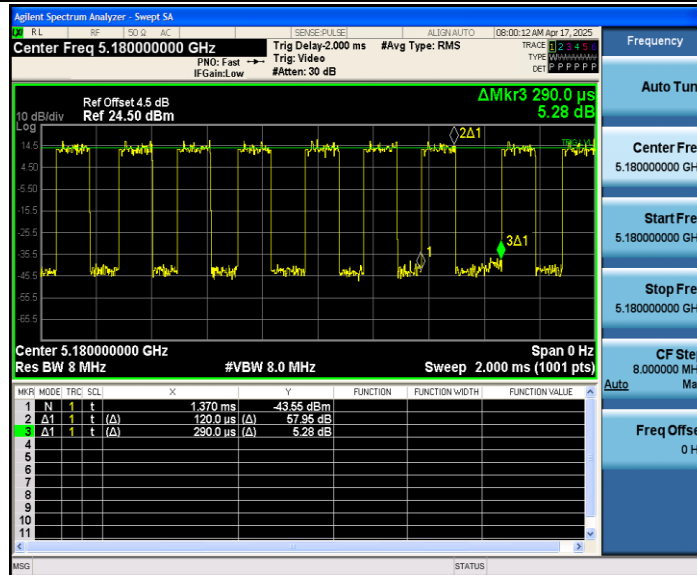
11N40SISO_Ant1_5755



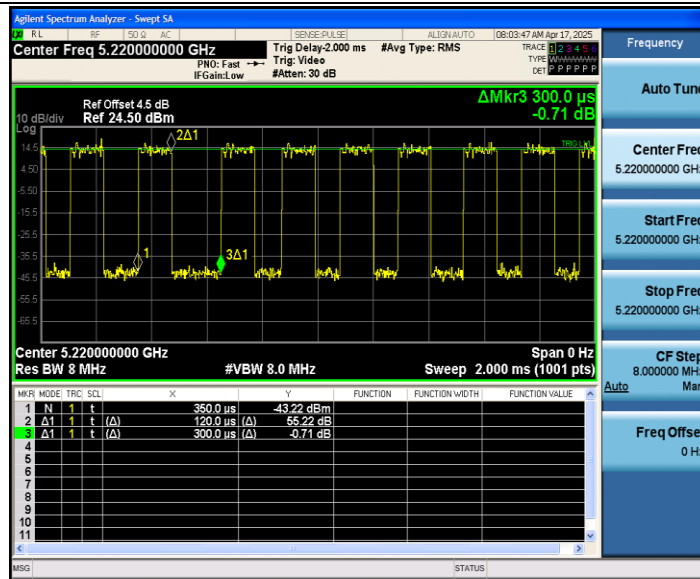
11N40SISO_Ant1_5795



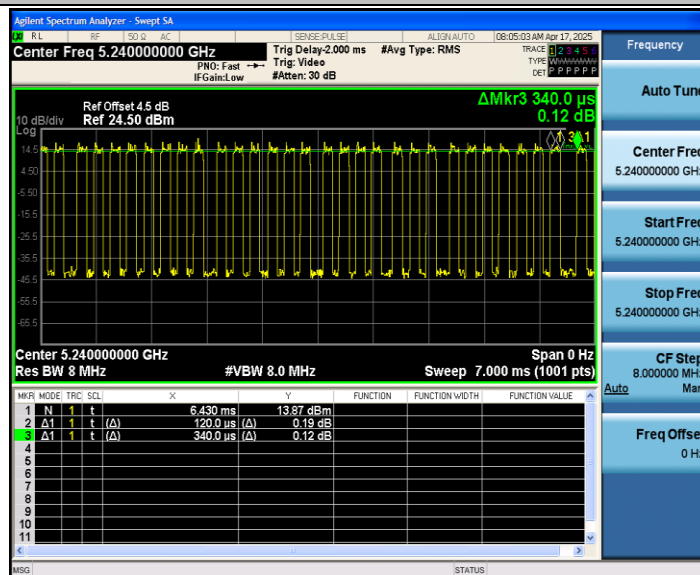
11AC20SISO_Ant1_5180



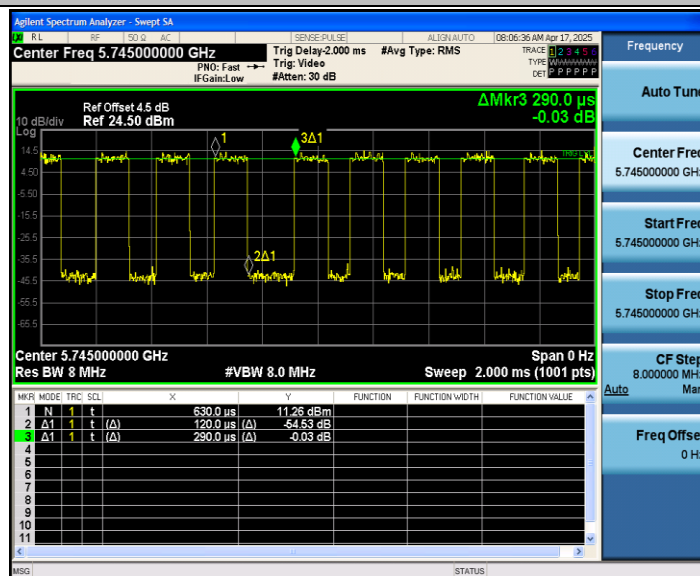
11AC20SISO_Ant1_5220



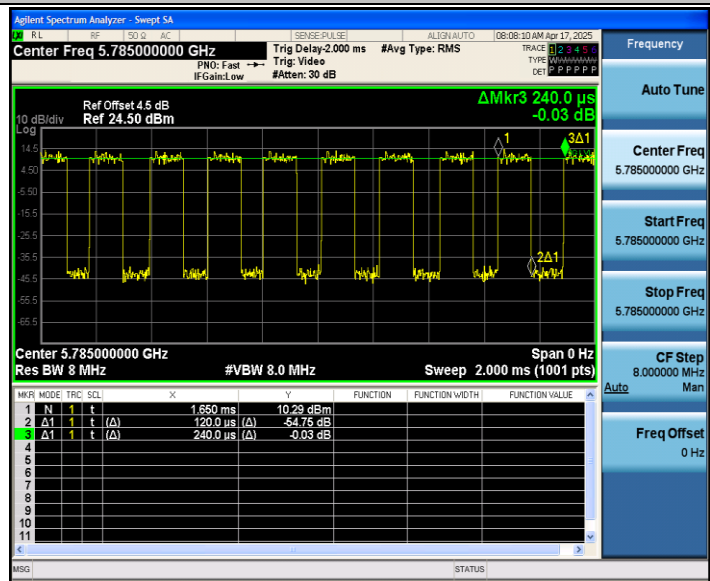
11AC20SISO_Ant1_5240



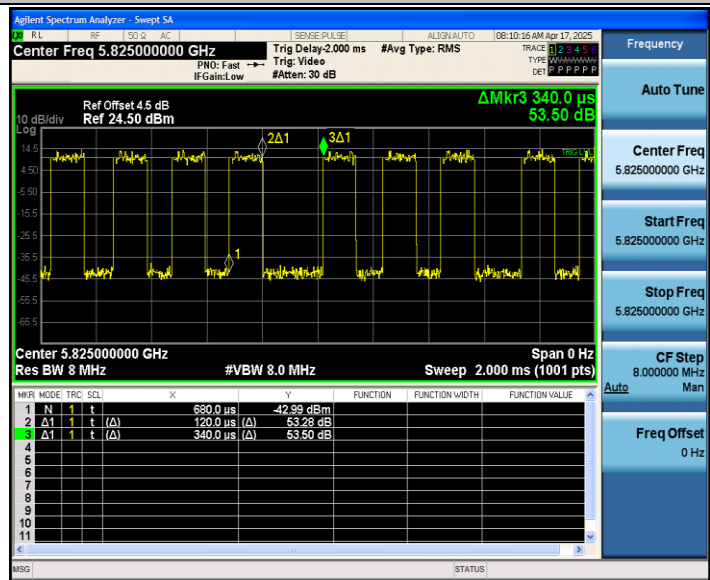
11AC20SISO_Ant1_5745



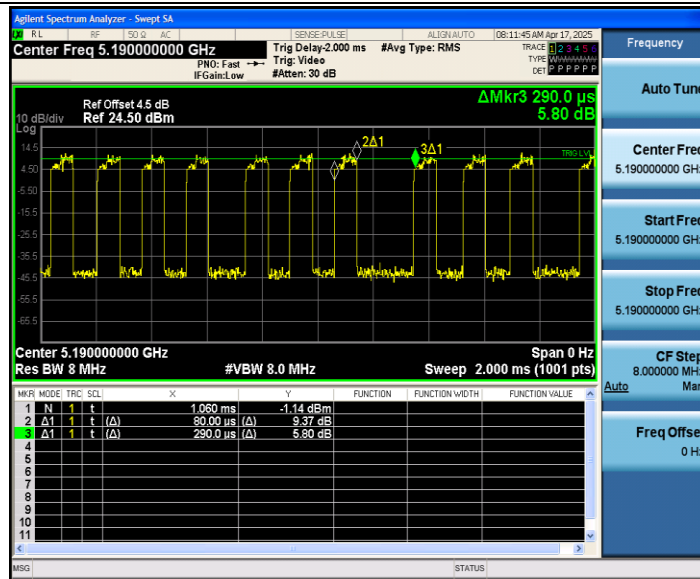
11AC20SISO_Ant1_5785



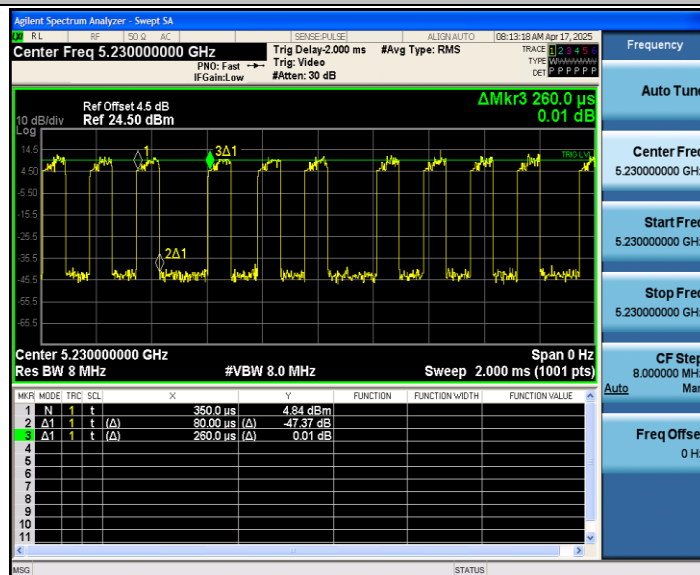
11AC20SISO_Ant1_5825



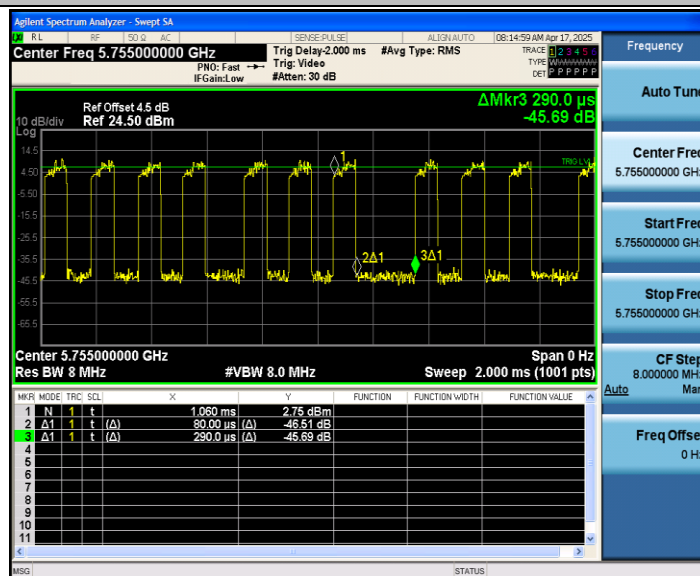
11AC40SISO_Ant1_5190



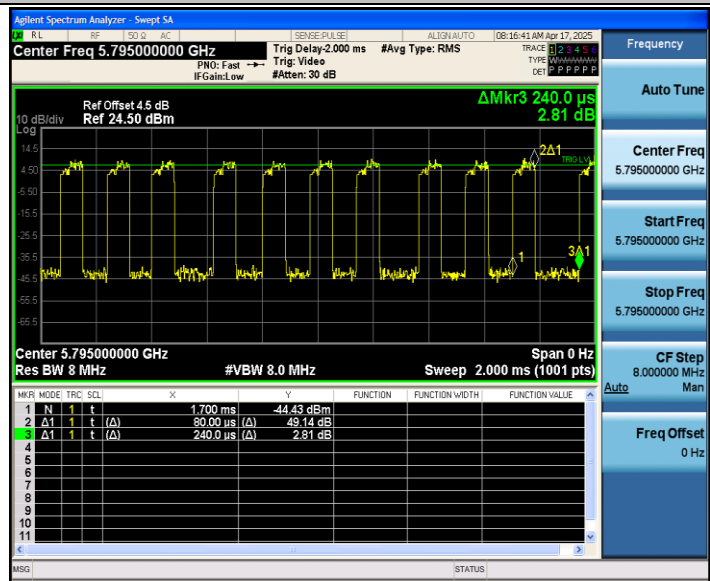
11AC40SISO_Ant1_5230



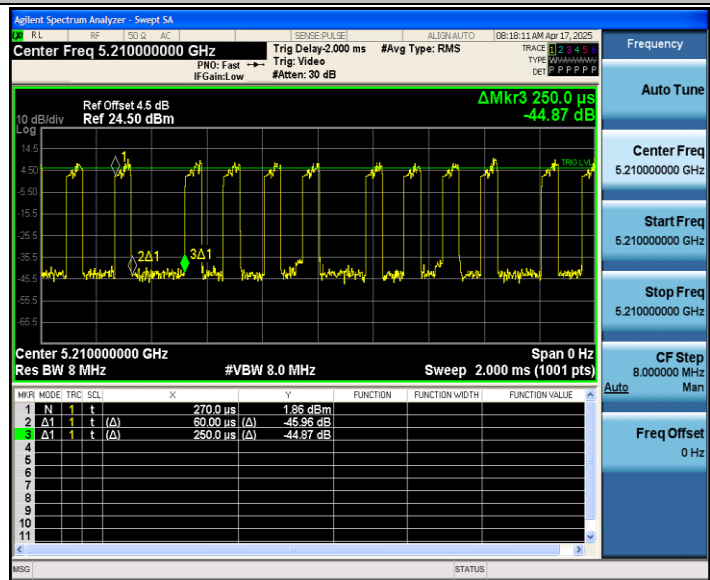
11AC40SISO_Ant1_5755



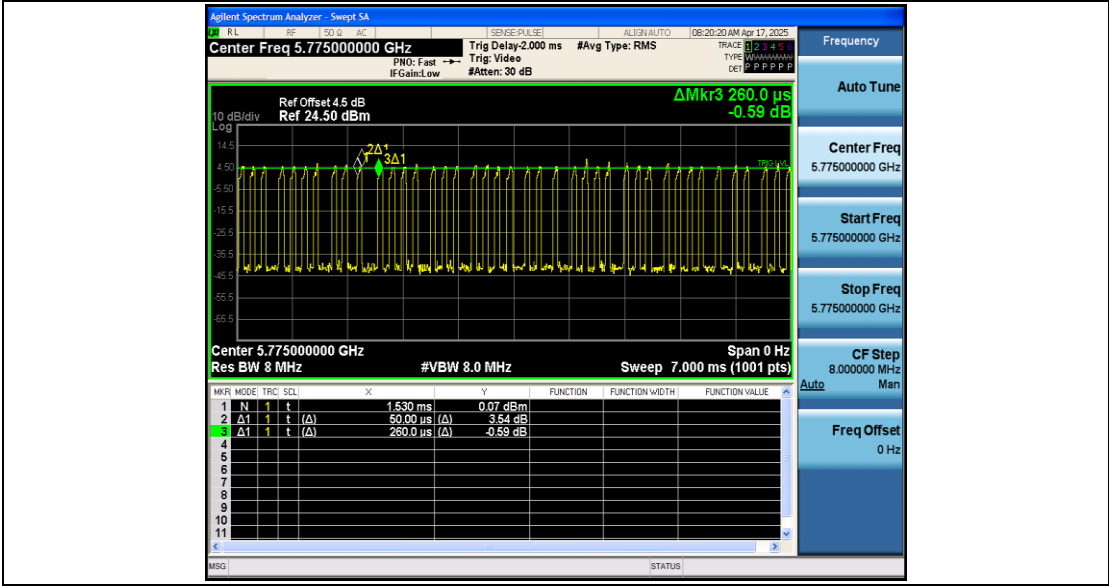
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix C: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.36	37.93	4.21	12.57	≤23.98	PASS
		5220	8.91	47.83	3.20	12.11	≤23.98	PASS
		5240	8.83	37.93	4.21	13.04	≤23.98	PASS
		5745	6.30	37.50	4.26	10.56	≤30.00	PASS
		5785	5.80	36.67	4.36	10.16	≤30.00	PASS
		5825	5.76	39.29	4.06	9.82	≤30.00	PASS
11N20SISO	Ant1	5180	8.05	39.29	4.06	12.11	≤23.98	PASS
		5220	8.67	42.31	3.74	12.41	≤23.98	PASS
		5240	8.83	40.74	3.90	12.73	≤23.98	PASS
		5745	6.31	37.93	4.21	10.52	≤30.00	PASS
		5785	5.82	46.15	3.36	9.18	≤30.00	PASS
		5825	5.77	39.29	4.06	9.83	≤30.00	PASS
11N40SISO	Ant1	5190	6.50	26.92	5.70	12.20	≤23.98	PASS
		5230	7.18	25.00	6.02	13.20	≤23.98	PASS
		5755	4.54	28.00	5.53	10.07	≤30.00	PASS
		5795	4.16	24.14	6.17	10.33	≤30.00	PASS
11AC20SISO	Ant1	5180	8.31	41.38	3.83	12.14	≤23.98	PASS
		5220	8.85	40.00	3.98	12.83	≤23.98	PASS
		5240	8.95	35.29	4.52	13.47	≤23.98	PASS
		5745	6.45	41.38	3.83	10.28	≤30.00	PASS
		5785	5.94	50.00	3.01	8.95	≤30.00	PASS
		5825	5.88	35.29	4.52	10.40	≤30.00	PASS
11AC40SISO	Ant1	5190	6.84	27.59	5.59	12.43	≤23.98	PASS
		5230	7.44	30.77	5.12	12.56	≤23.98	PASS
		5755	4.84	27.59	5.59	10.43	≤30.00	PASS
		5795	4.42	33.33	4.77	9.19	≤30.00	PASS
11AC80SISO	Ant1	5210	6.17	24.00	6.20	12.37	≤23.98	PASS
		5775	3.75	19.23	7.16	10.91	≤30.00	PASS

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

Appendix D: Maximum power spectral density

Test Result

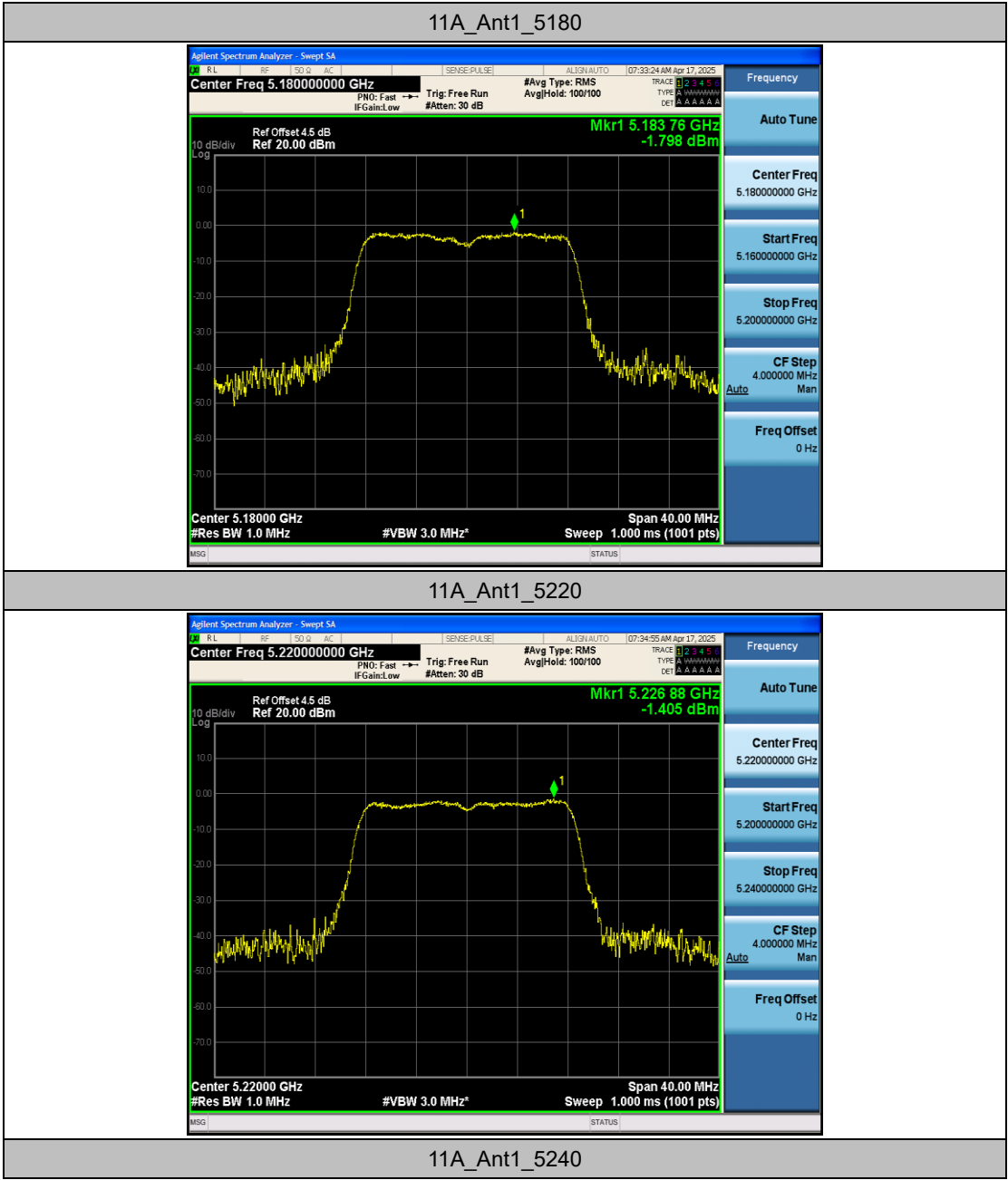
TestMode	Antenna	Freq(MHz)	Result [dBm/300KHz] [dBm/1MHz]	RBW Factor (dB)	Duty factor (dB)	Result [dBm/500KHz]	Limit [dBm/1MHz] [dBm/500KHz]	Verdict
11A	Ant1	5180	-1.798	/	4.21	2.41	≤11.00	PASS
		5220	-1.405	/	3.20	1.79	≤11.00	PASS
		5240	-1.546	/	4.21	2.66	≤11.00	PASS
		5745	-8.609	2.22	4.26	-2.13	≤30.00	PASS
		5785	-9.176	2.22	4.36	-2.60	≤30.00	PASS
		5825	-9.127	2.22	4.06	-2.85	≤30.00	PASS
11N20SISO	Ant1	5180	-2.650	/	4.06	1.41	≤11.00	PASS
		5220	-2.235	/	3.74	1.50	≤11.00	PASS
		5240	-1.976	/	3.90	1.92	≤11.00	PASS
		5745	-8.143	2.22	4.21	-1.71	≤30.00	PASS
		5785	-9.262	2.22	3.36	-3.68	≤30.00	PASS
		5825	-9.341	2.22	4.06	-3.06	≤30.00	PASS
11N40SISO	Ant1	5190	-6.422	/	5.70	-0.72	≤11.00	PASS
		5230	-6.284	/	6.02	-0.26	≤11.00	PASS
		5755	-12.373	2.22	5.53	-4.62	≤30.00	PASS
		5795	-13.191	2.22	6.17	-4.80	≤30.00	PASS
11AC20SISO	Ant1	5180	-2.020	/	3.83	1.81	≤11.00	PASS
		5220	-1.519	/	3.98	2.46	≤11.00	PASS
		5240	-1.790	/	4.52	2.73	≤11.00	PASS
		5745	-8.406	2.22	3.83	-2.36	≤30.00	PASS
		5785	-9.073	2.22	3.01	-3.84	≤30.00	PASS
		5825	-9.322	2.22	4.52	-2.58	≤30.00	PASS
11AC40SISO	Ant1	5190	-6.533	/	5.59	-0.94	≤11.00	PASS
		5230	-6.120	/	5.12	-1.00	≤11.00	PASS
		5755	-12.614	2.22	5.59	-4.80	≤30.00	PASS
		5795	-12.958	2.22	4.77	-5.97	≤30.00	PASS
11AC80SISO	Ant1	5210	-9.750	/	6.20	-3.55	≤11.00	PASS
		5775	-16.635	2.22	7.16	-7.26	≤30.00	PASS

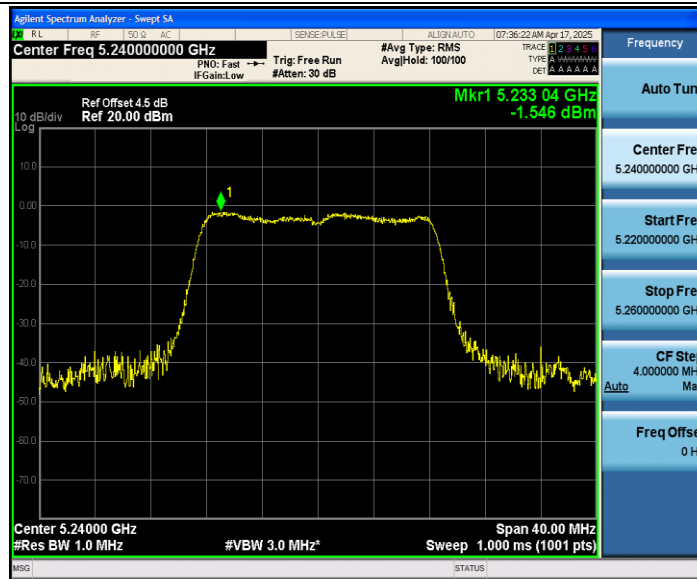
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

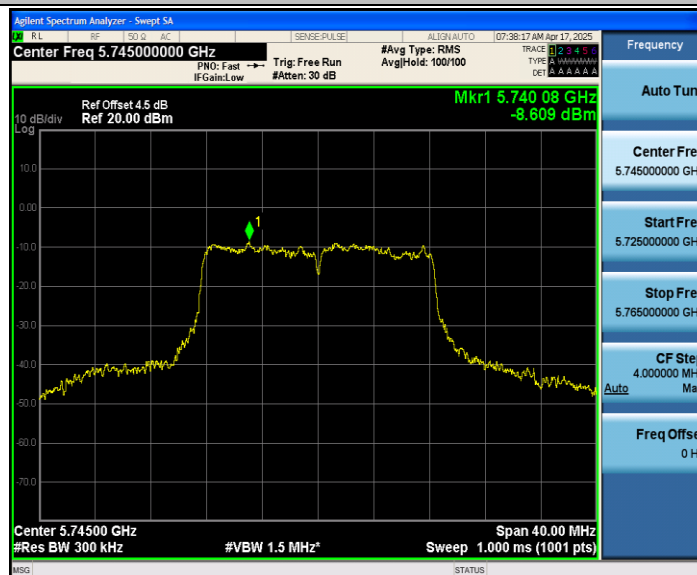
2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB

Test Graphs





11A_Ant1_5745



11A_Ant1_5785

