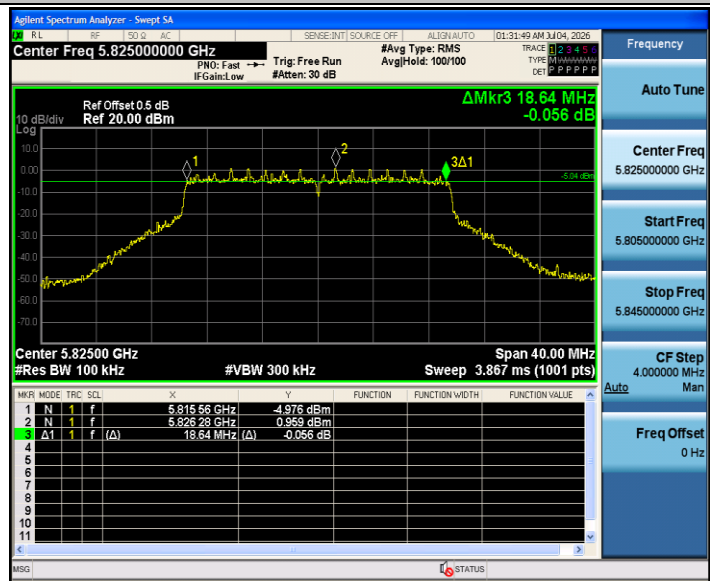
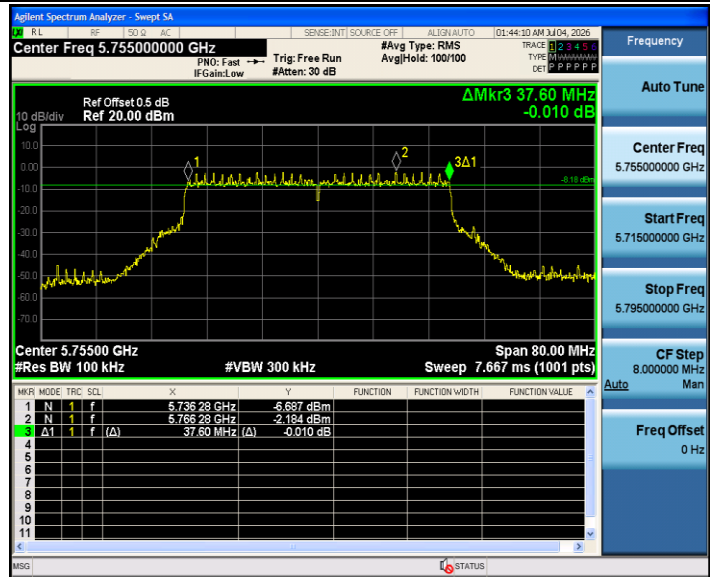


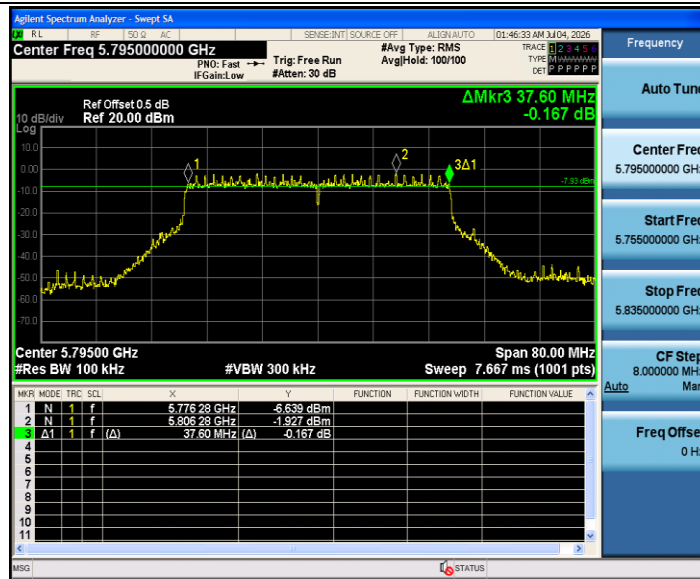
11AC20SISO_Ant1_5825



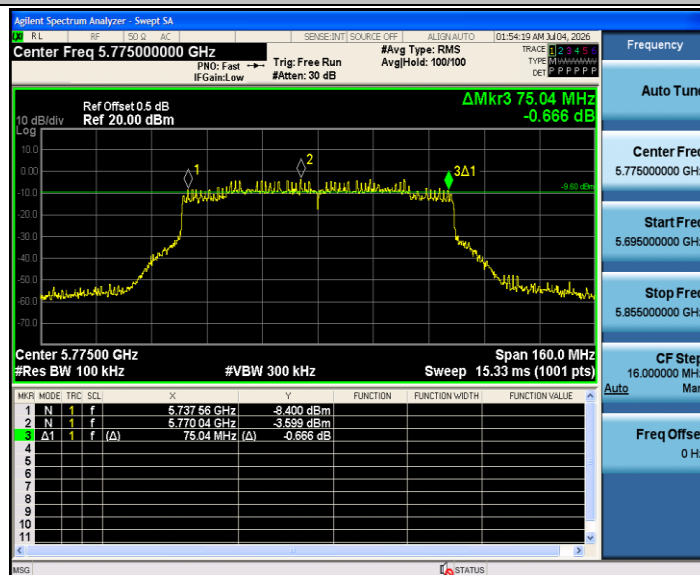
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	Limit	Verdict
11A	Ant1	5180	0.15	0.19	78.95	1.03	---	---
		5220	0.15	0.19	78.95	1.03	---	---
		5240	0.15	0.20	75.00	1.25	---	---
		5745	0.14	0.19	73.68	1.33	---	---
		5785	0.15	0.20	75.00	1.25	---	---
		5825	0.14	0.19	73.68	1.33	---	---
11N20SISO	Ant1	5180	0.18	0.22	81.82	0.87	---	---
		5220	0.17	0.22	77.27	1.12	---	---
		5240	0.18	0.23	78.26	1.06	---	---
		5745	0.18	0.22	81.82	0.87	---	---
		5785	0.18	0.22	81.82	0.87	---	---
		5825	0.17	0.22	77.27	1.12	---	---
11N40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.23	78.26	1.06	---	---
		5755	0.18	0.22	81.82	0.87	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5180	0.26	0.30	86.67	0.62	---	---
		5220	0.25	0.30	83.33	0.79	---	---
		5240	0.26	0.31	83.87	0.76	---	---
		5745	0.26	0.31	83.87	0.76	---	---
		5785	0.26	0.31	83.87	0.76	---	---
		5825	0.26	0.30	86.67	0.62	---	---
11AC40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.17	0.22	77.27	1.12	---	---
		5755	0.17	0.22	77.27	1.12	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC80SISO	Ant1	5210	0.16	0.21	76.19	1.18	---	---
		5775	0.16	0.21	76.19	1.18	---	---

11A_Ant1_5180

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.180000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video

IF Gain: Low #Atten: 30 dB

Ref Offset 0.5 dB Ref 20.50 dBm

ΔMkr3 190.0 μs -63.51 dB

Center 5.180000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 2.000 ms (1001 pts) Span 0 Hz

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		250.0 μs	15.07 dBm		
2	A1	1	t	(Δ)	150.0 μs (Δ)	-64.34 dB		
3	A1	1	t	(Δ)	190.0 μs (Δ)	-63.51 dB		

11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video

IF Gain: Low #Atten: 30 dB

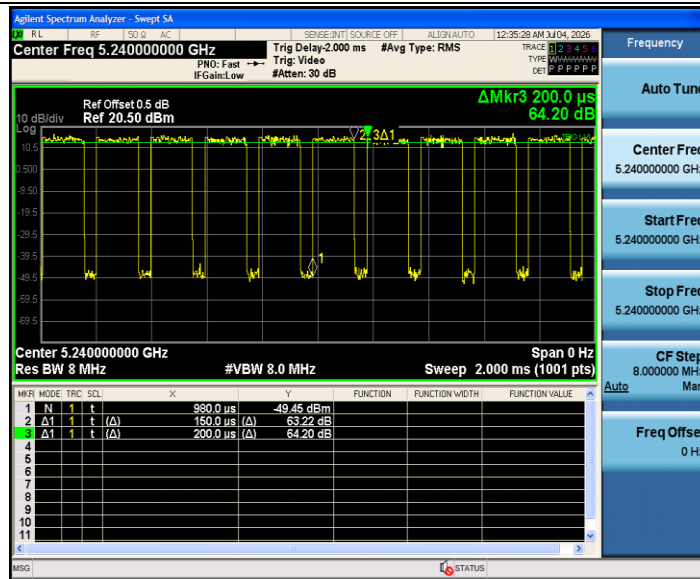
Ref Offset 0.5 dB Ref 20.50 dBm

ΔMkr3 190.0 μs -60.52 dB

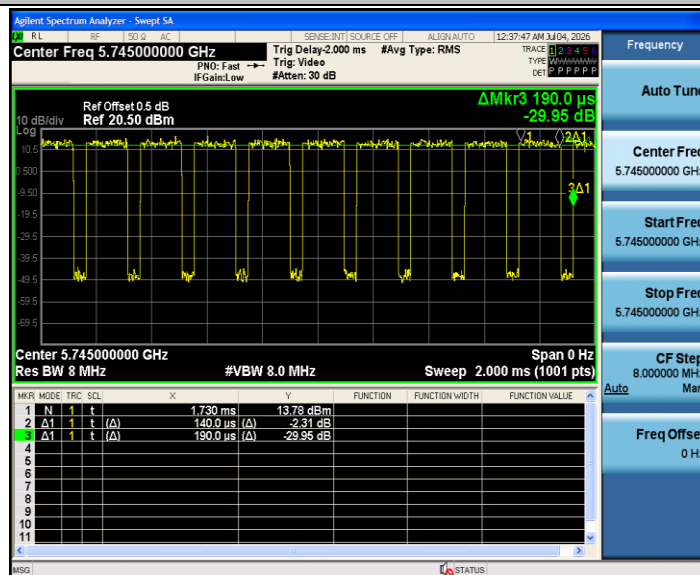
Center 5.220000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 2.000 ms (1001 pts) Span 0 Hz

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.120 ms	15.41 dBm		
2	A1	1	t	(Δ)	150.0 μs (Δ)	-64.41 dB		
3	A1	1	t	(Δ)	190.0 μs (Δ)	-60.52 dB		

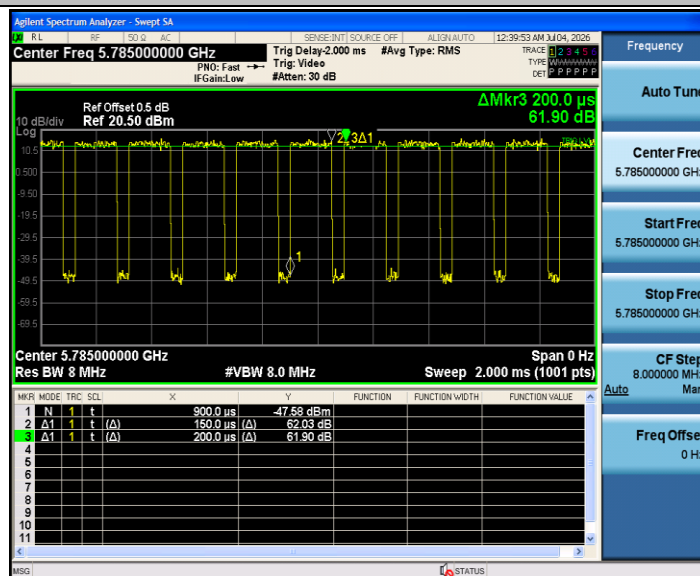
11A_Ant1_5240



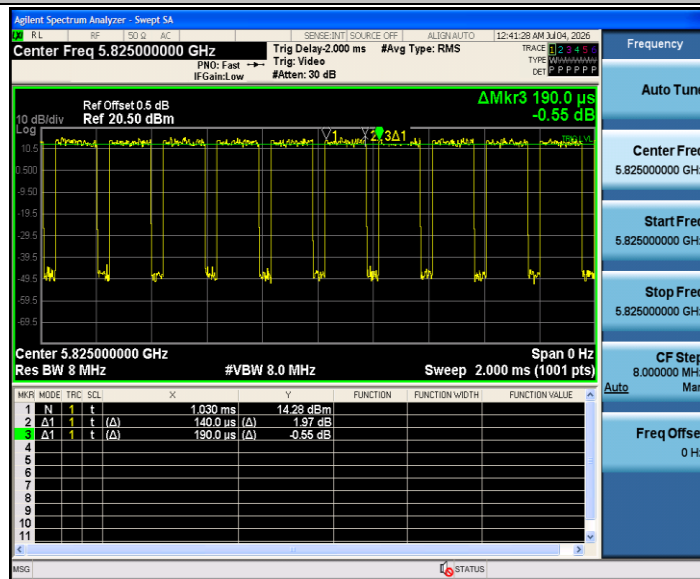
11A_Ant1_5745



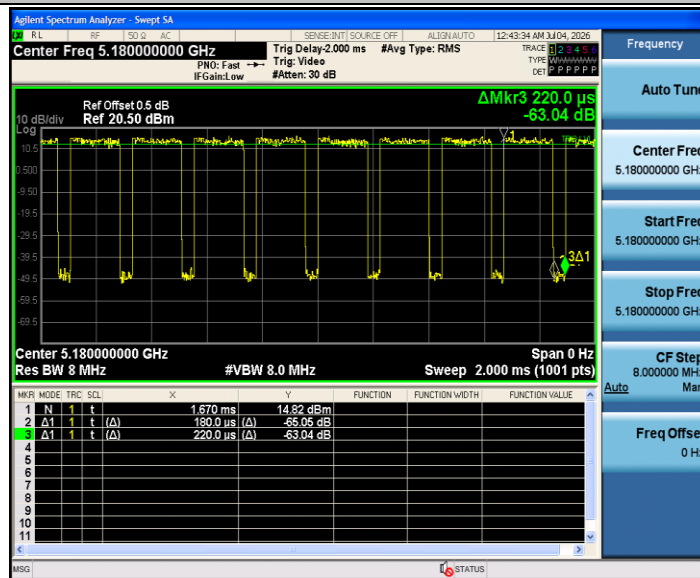
11A_Ant1_5785



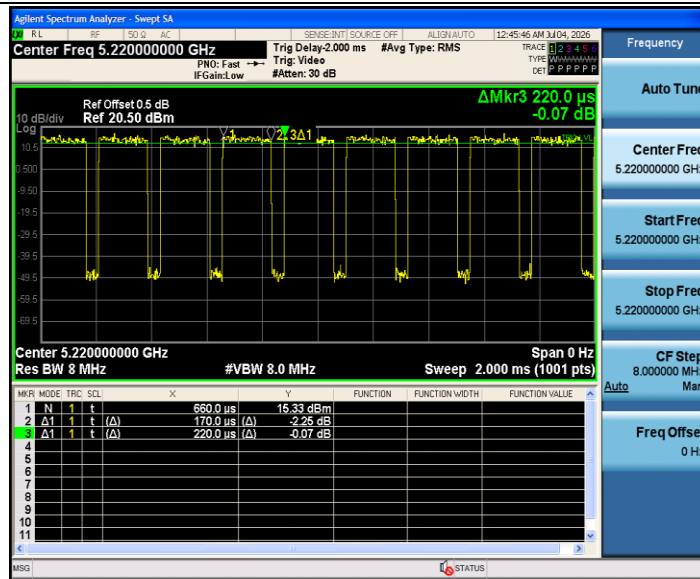
11A_Ant1_5825



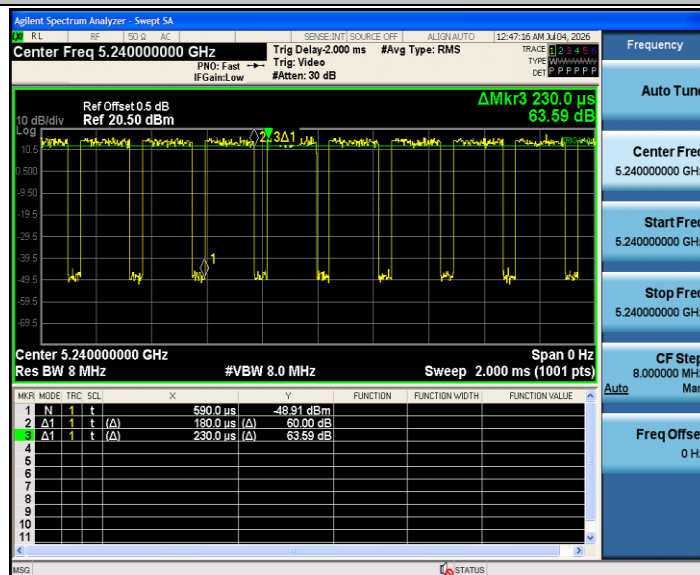
11N20SISO_Ant1_5180



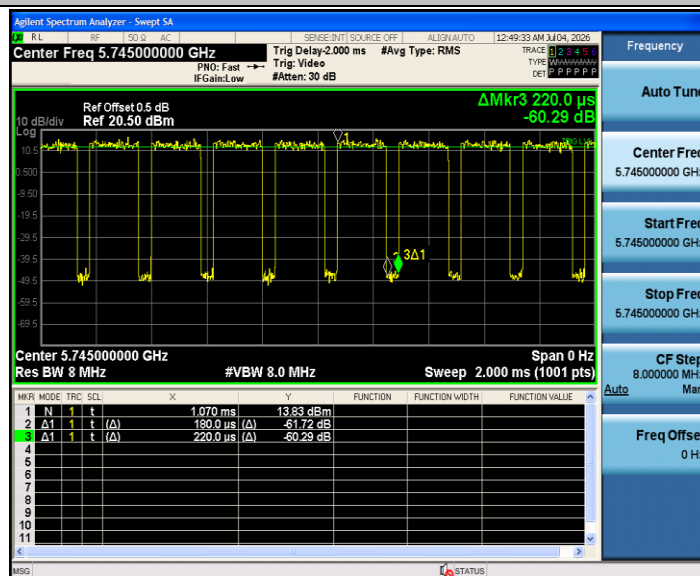
11N20SISO_Ant1_5220



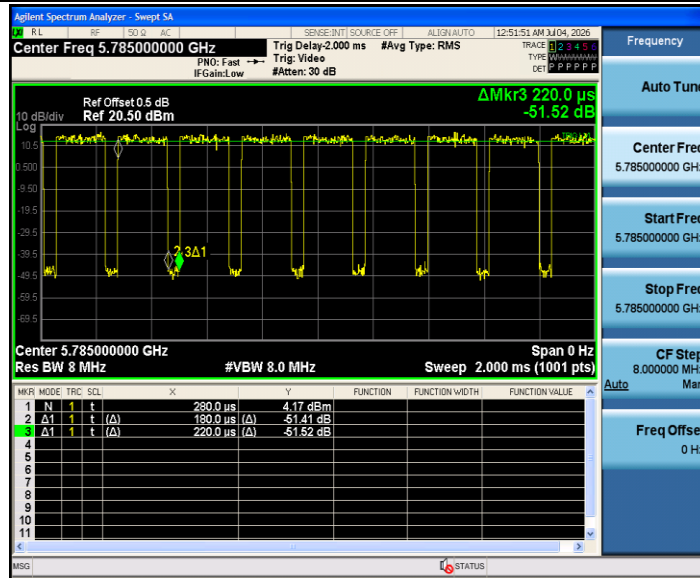
11N20SISO_Ant1_5240



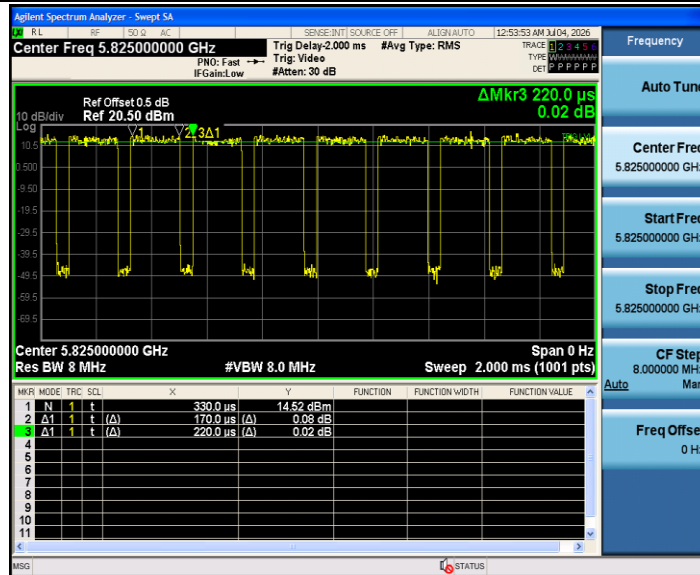
11N20SISO_Ant1_5745



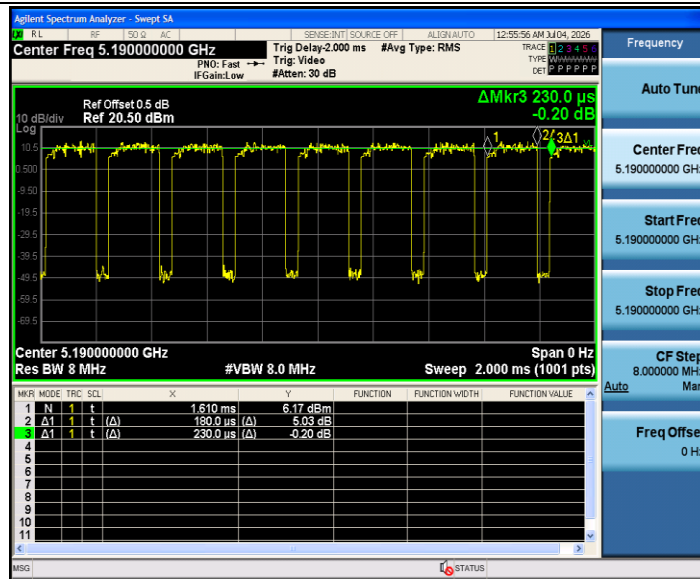
11N20SISO_Ant1_5785



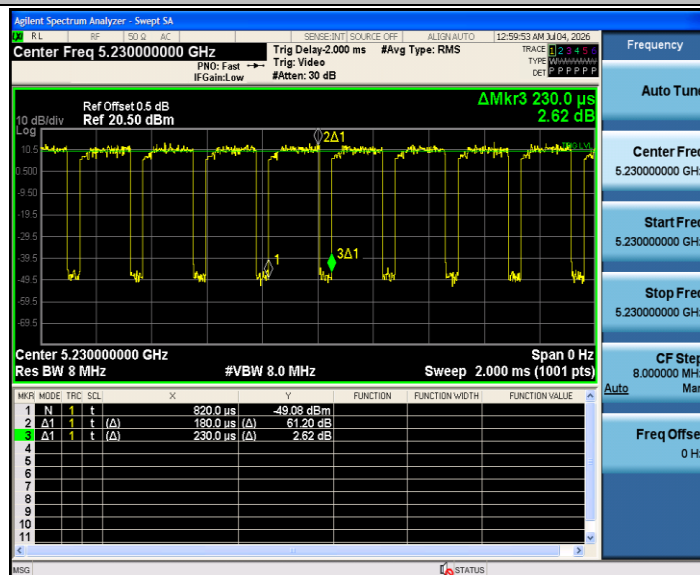
11N20SISO_Ant1_5825



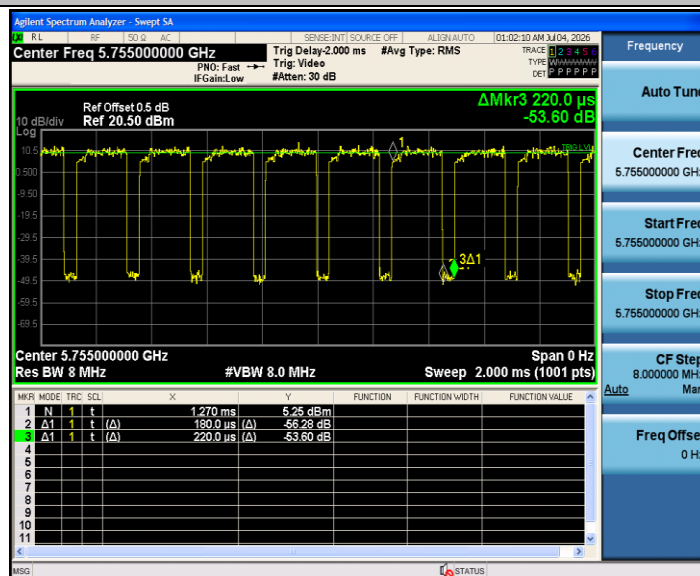
11N40SISO_Ant1_5190



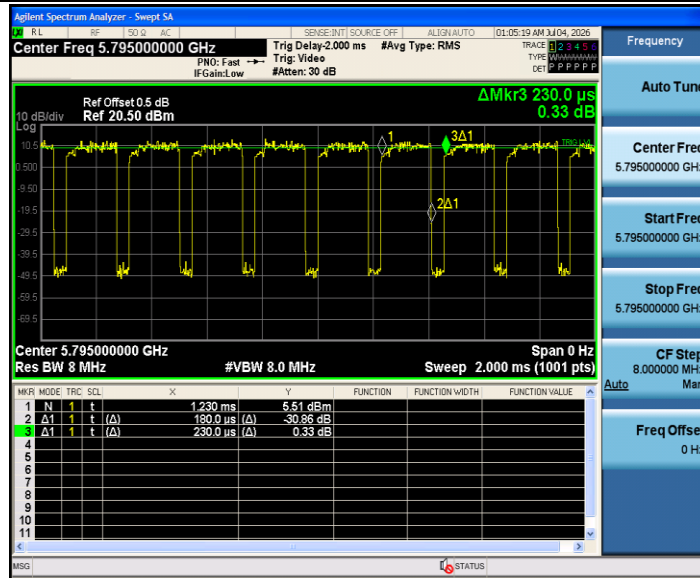
11N40SISO_Ant1_5230



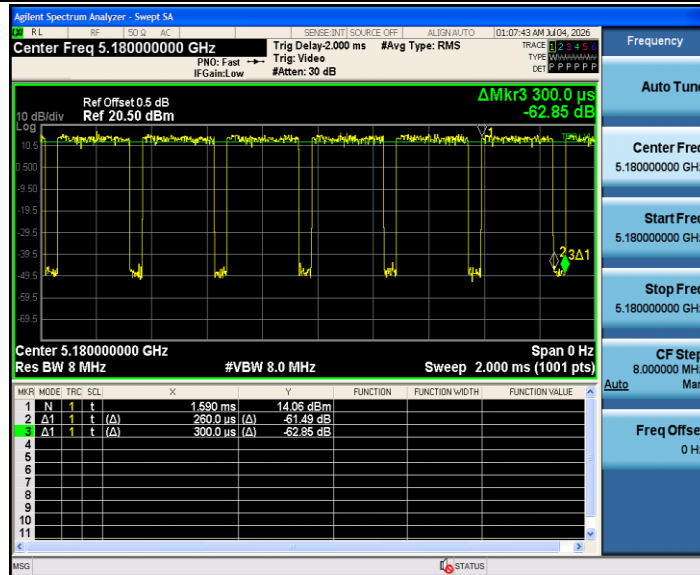
11N40SISO_Ant1_5755



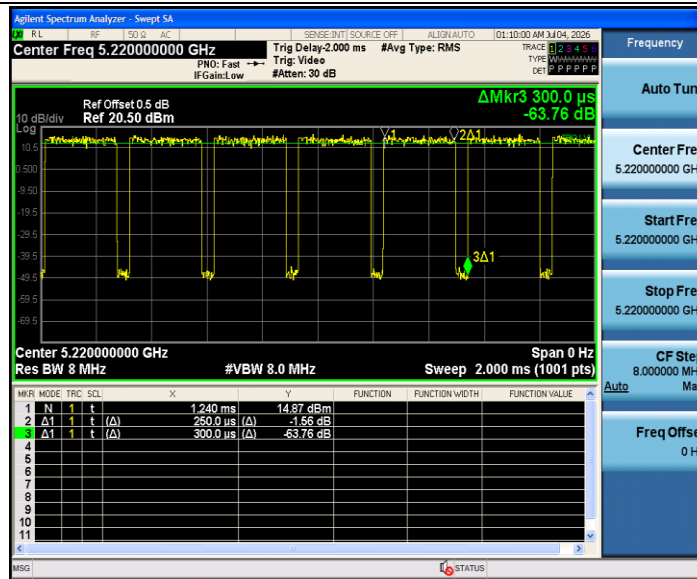
11N40SISO_Ant1_5795



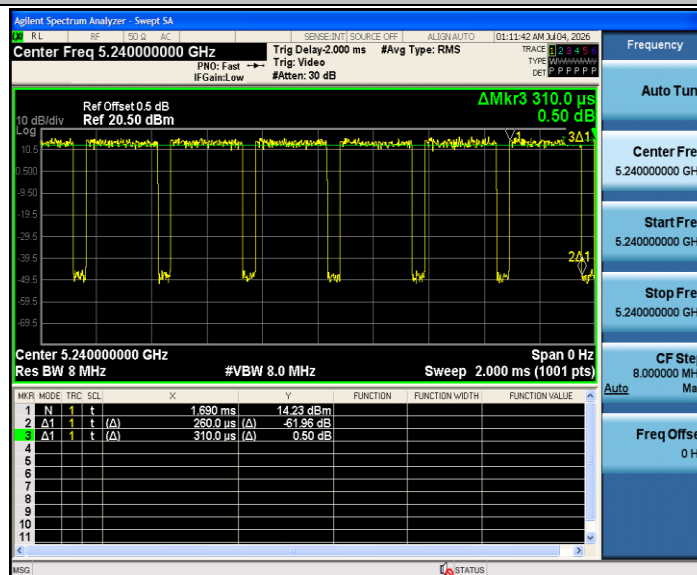
11AC20SISO_Ant1_5180



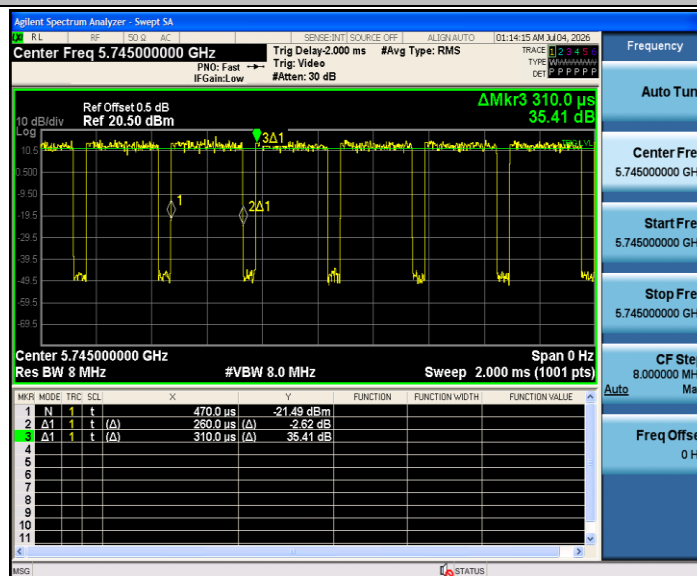
11AC20SISO_Ant1_5220



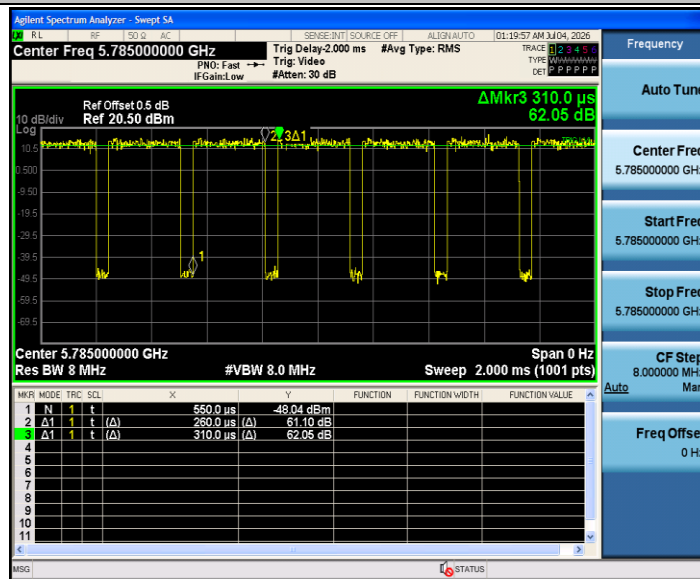
11AC20SISO_Ant1_5240



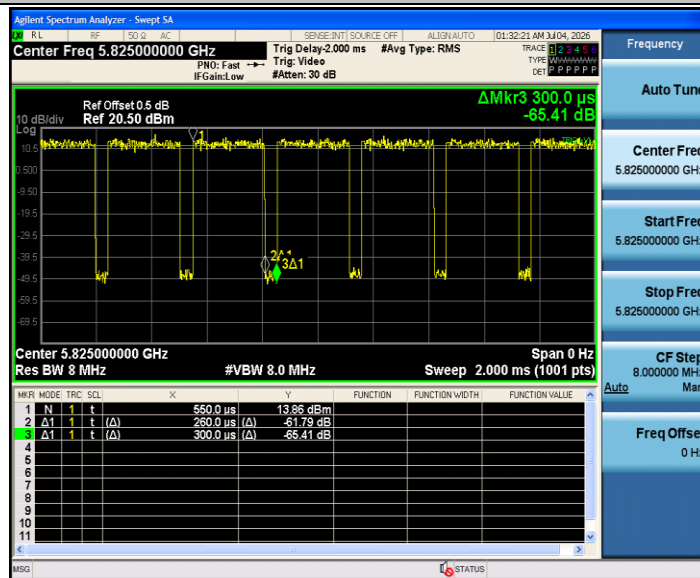
11AC20SISO_Ant1_5745



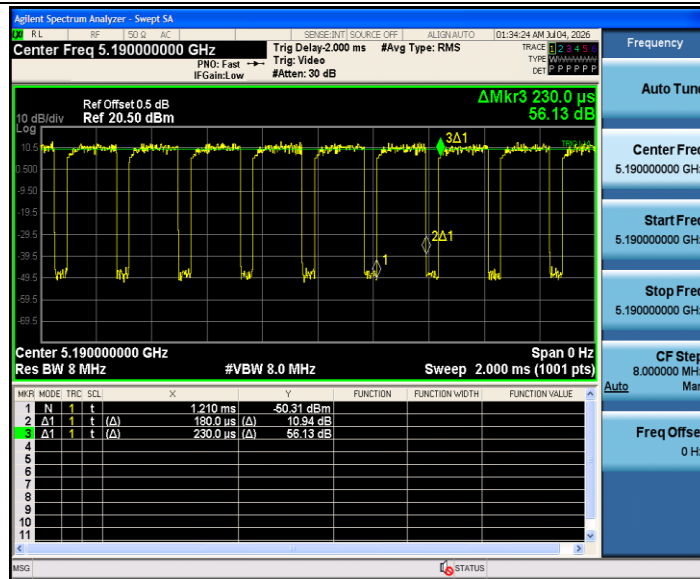
11AC20SISO_Ant1_5785



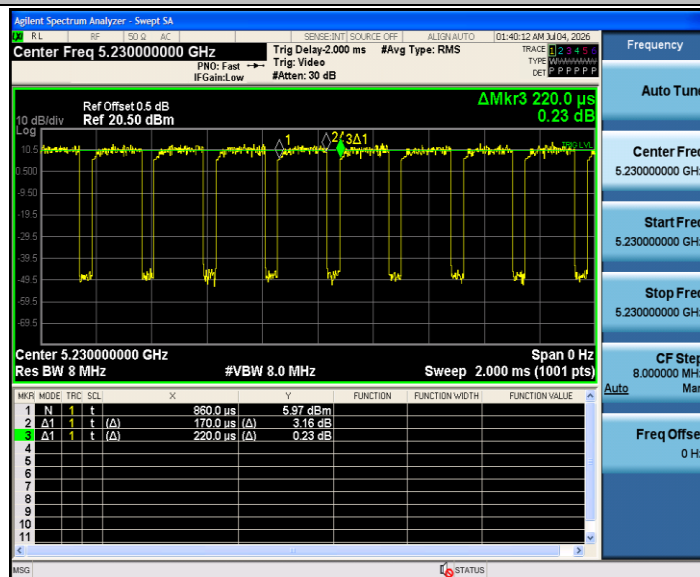
11AC20SISO_Ant1_5825



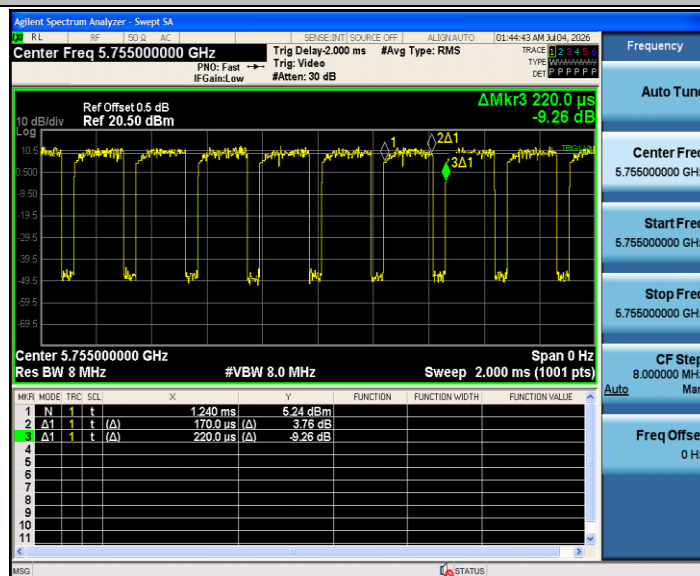
11AC40SISO_Ant1_5190



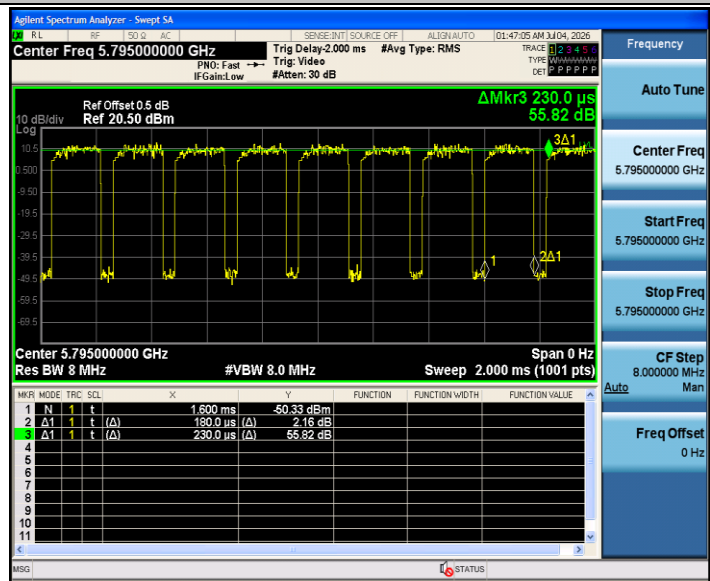
11AC40SISO_Ant1_5230



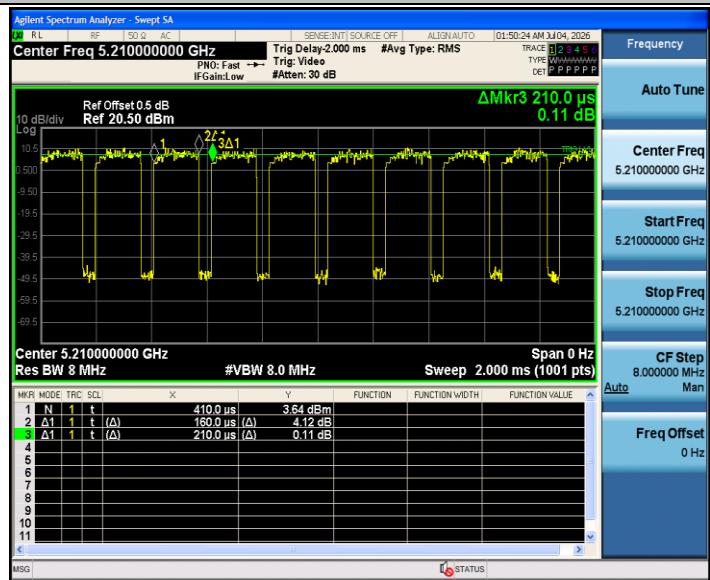
11AC40SISO_Ant1_5755



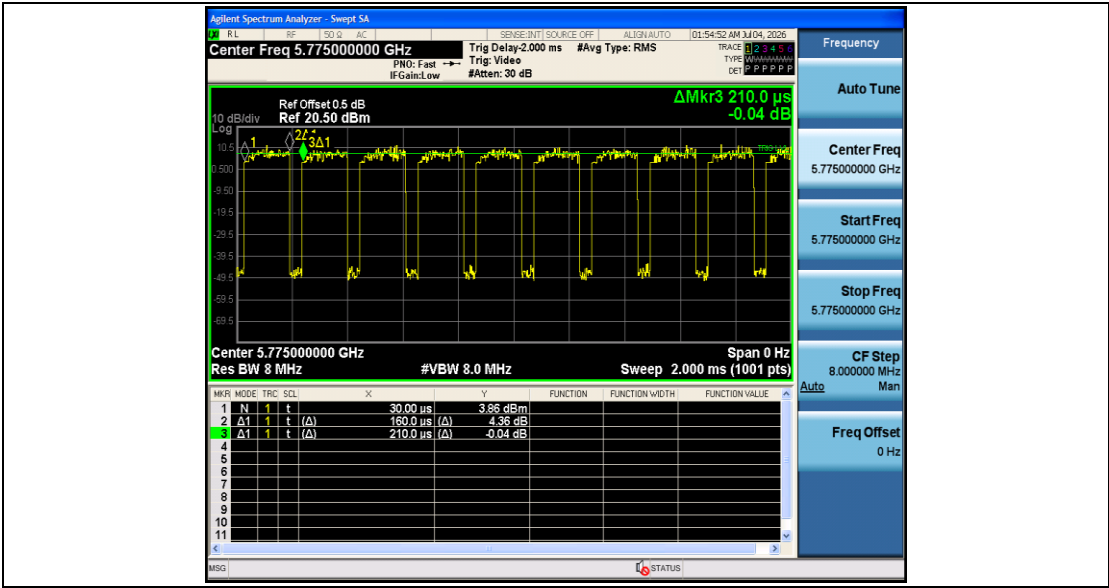
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.95	78.95	1.03	12.98	≤23.98	PASS
		5220	11.06	78.95	1.03	12.09	≤23.98	PASS
		5240	10.91	75.00	1.25	12.16	≤23.98	PASS
		5745	10.72	73.68	1.33	12.05	≤30.00	PASS
		5785	10.93	75.00	1.25	12.18	≤30.00	PASS
		5825	10.69	73.68	1.33	12.02	≤30.00	PASS
11N20SIS O	Ant1	5180	10.99	81.82	0.87	11.86	≤23.98	PASS
		5220	11.13	77.27	1.12	12.25	≤23.98	PASS
		5240	11.02	78.26	1.06	12.08	≤23.98	PASS
		5745	10.91	81.82	0.87	11.78	≤30.00	PASS
		5785	11.08	81.82	0.87	11.95	≤30.00	PASS
		5825	10.82	77.27	1.12	11.94	≤30.00	PASS
11N40SIS O	Ant1	5190	11.12	78.26	1.06	12.18	≤23.98	PASS
		5230	11.17	78.26	1.06	12.23	≤23.98	PASS
		5755	10.03	81.82	0.87	10.9	≤30.00	PASS
		5795	10.25	78.26	1.06	11.31	≤30.00	PASS
11AC20SIS O	Ant1	5180	10.98	86.67	0.62	11.6	≤23.98	PASS
		5220	11.24	83.33	0.79	12.03	≤23.98	PASS
		5240	11.12	83.87	0.76	11.88	≤23.98	PASS
		5745	11.03	83.87	0.76	11.79	≤30.00	PASS
		5785	11.19	83.87	0.76	11.95	≤30.00	PASS
		5825	10.98	86.67	0.62	11.6	≤30.00	PASS
11AC40SIS O	Ant1	5190	10.69	78.26	1.06	11.75	≤23.98	PASS
		5230	10.78	77.27	1.12	11.9	≤23.98	PASS
		5755	10.62	77.27	1.12	11.74	≤30.00	PASS
		5795	10.9	78.26	1.06	11.96	≤30.00	PASS
11AC80SIS O	Ant1	5210	10.88	76.19	1.18	12.06	≤23.98	PASS
		5775	10.67	76.19	1.18	11.85	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	RawData [dBm/MHz]	DC Factor [dBm]	RBW Factor [dBm]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	0.81	1.03	0.00	1.84	≤11.00	PASS
		5220	0.7	1.03	0.00	1.73	≤11.00	PASS
		5240	0.73	1.25	0.00	1.98	≤11.00	PASS
		5745	-4.74	1.33	2.22	-1.19	≤30.00	PASS
		5785	-4.27	1.25	2.22	-0.80	≤30.00	PASS
		5825	-4.71	1.33	2.22	-1.16	≤30.00	PASS
11N20SISO	Ant1	5180	1.03	0.87	0.00	1.90	≤11.00	PASS
		5220	0.87	1.12	0.00	1.99	≤11.00	PASS
		5240	0.66	1.06	0.00	1.72	≤11.00	PASS
		5745	-4.42	0.87	2.22	-1.33	≤30.00	PASS
		5785	-4.45	0.87	2.22	-1.36	≤30.00	PASS
		5825	-4.98	1.12	2.22	-1.64	≤30.00	PASS
11N40SISO	Ant1	5190	-2.4	1.06	0.00	-1.34	≤11.00	PASS
		5230	-2.48	1.06	0.00	-1.42	≤11.00	PASS
		5755	-7.75	0.87	2.22	-4.66	≤30.00	PASS
		5795	-7.62	1.06	2.22	-4.34	≤30.00	PASS
11AC20SISO	Ant1	5180	0.39	0.62	0.00	1.01	≤11.00	PASS
		5220	0.81	0.79	0.00	1.60	≤11.00	PASS
		5240	0.95	0.76	0.00	1.71	≤11.00	PASS
		5745	-5.16	0.76	2.22	-2.18	≤30.00	PASS
		5785	-4.83	0.76	2.22	-1.85	≤30.00	PASS
		5825	-5.03	0.62	2.22	-2.19	≤30.00	PASS
11AC40SISO	Ant1	5190	-3.14	1.06	0.00	-2.08	≤11.00	PASS
		5230	-3.09	1.12	0.00	-1.97	≤11.00	PASS
		5755	-8.48	1.12	2.22	-5.14	≤30.00	PASS
		5795	-8.18	1.06	2.22	-4.90	≤30.00	PASS
11AC80SISO	Ant1	5210	-5.8	1.18	0.00	-4.62	≤11.00	PASS
		5775	-10.61	1.18	2.22	-7.21	≤30.00	PASS

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

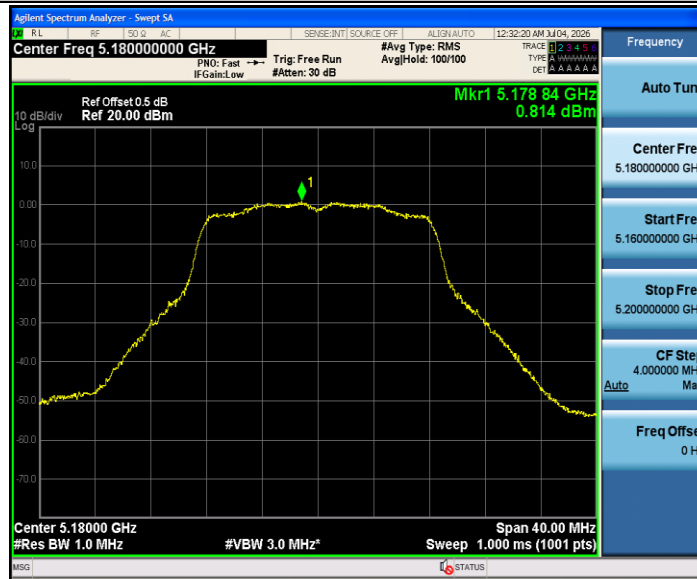
Total Power Spectral Density (dBm/MHz)= Power Spectral Density (dBm/MHz)+ Duty Factor (dB)

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

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

Test Graphs

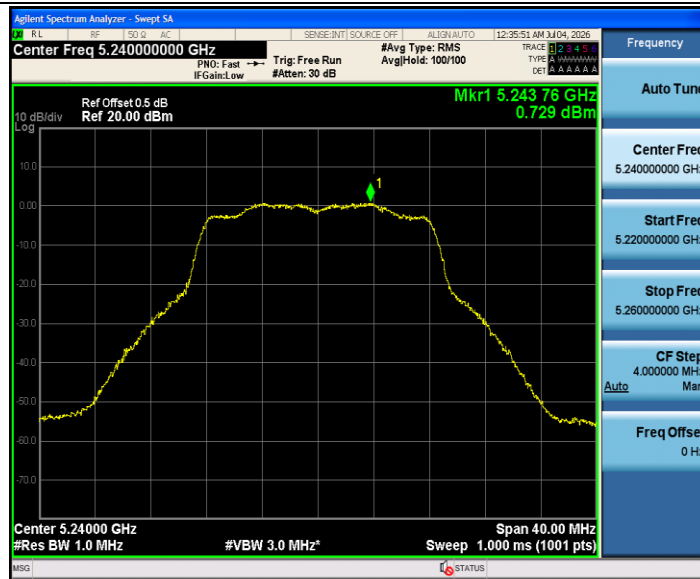
11A_Ant1_5180



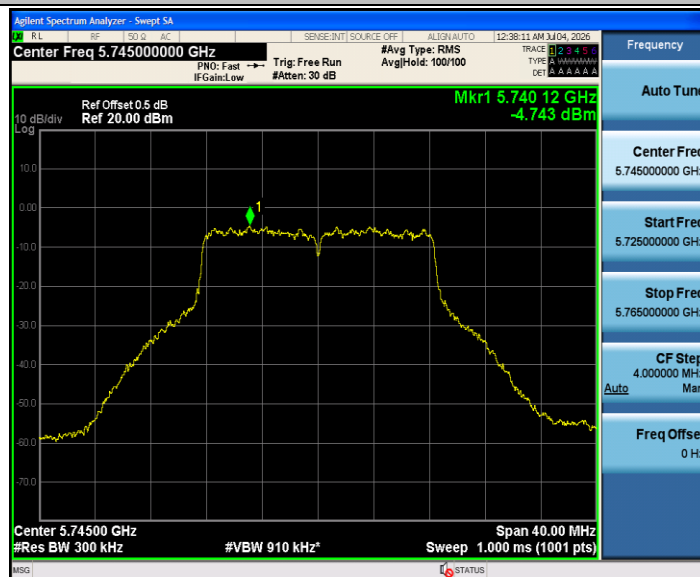
11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



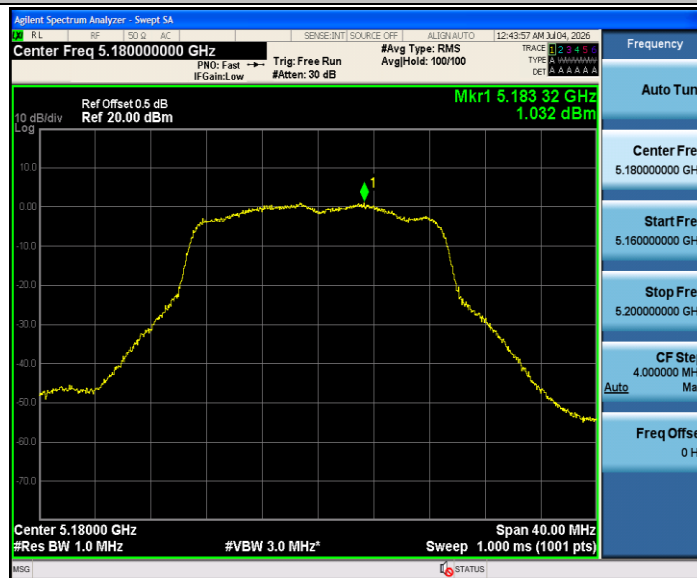
11A_Ant1_5785



11A_Ant1_5825



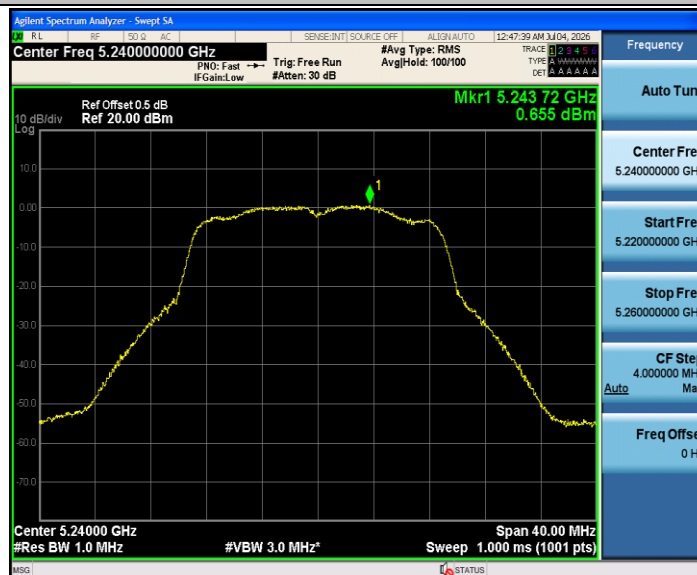
11N20SISO_Ant1_5180



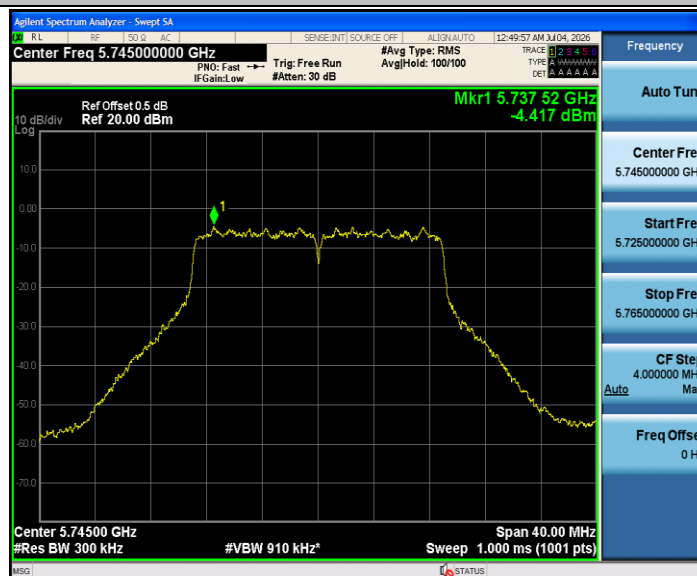
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



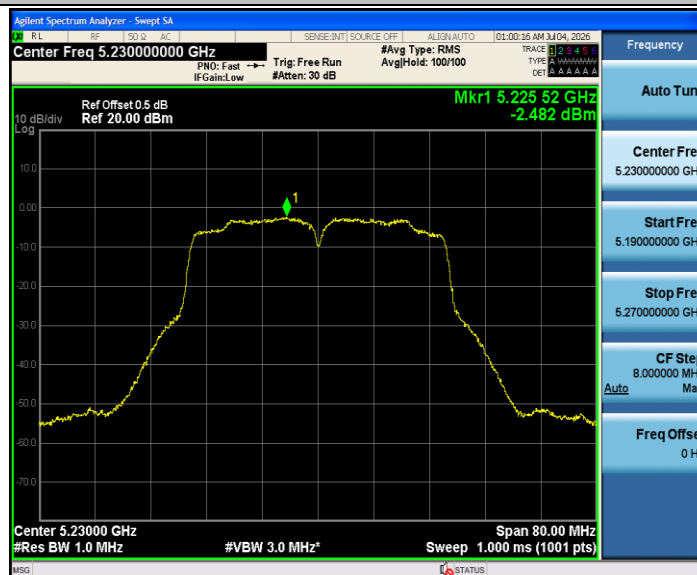
11N20SISO_Ant1_5825



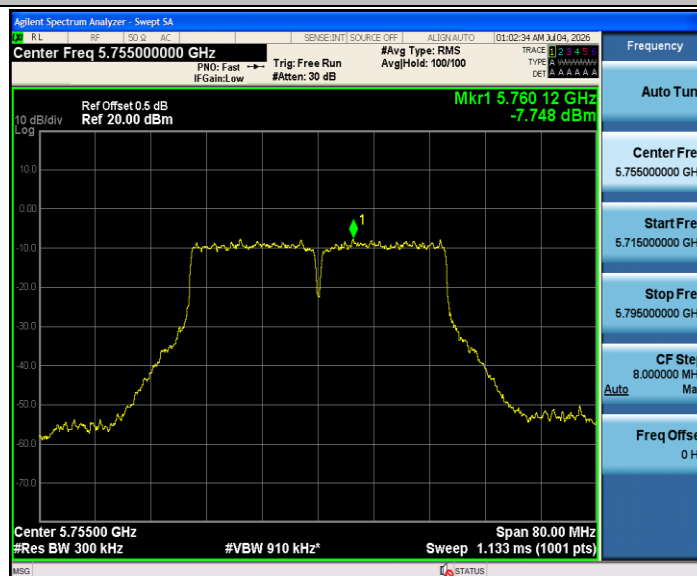
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



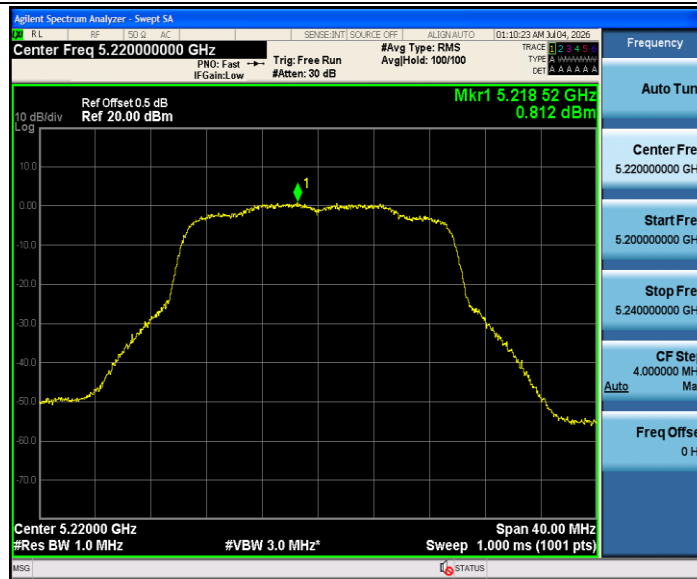
11N40SISO_Ant1_5795



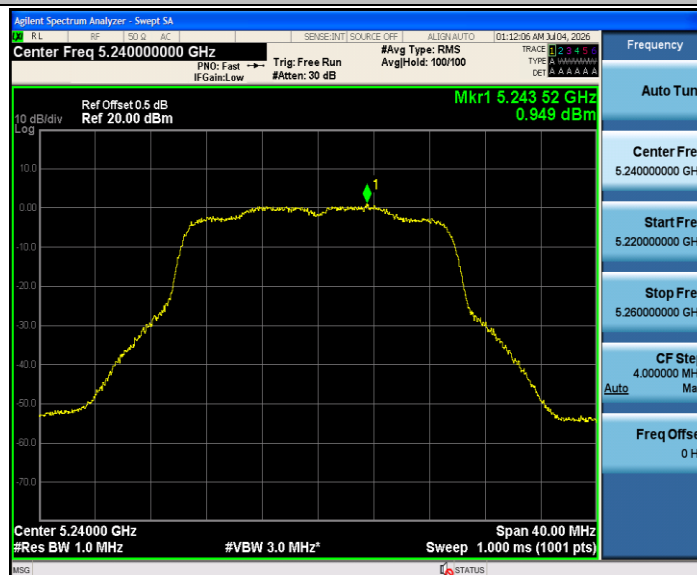
11AC20SISO_Ant1_5180



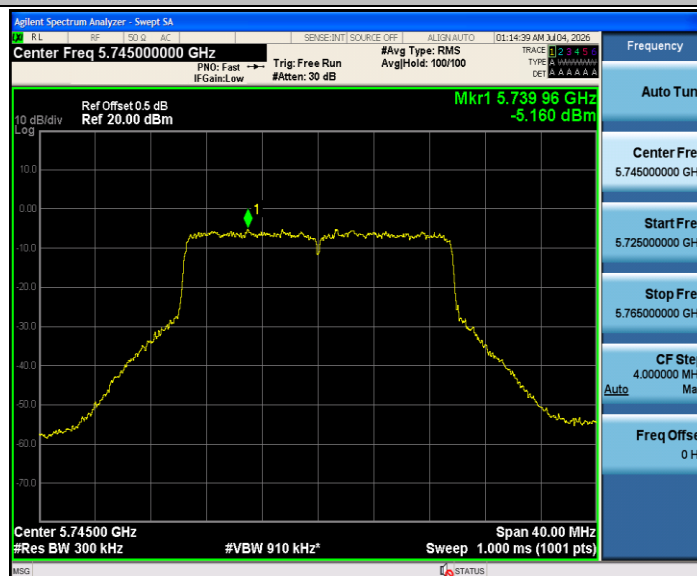
11AC20SISO_Ant1_5220



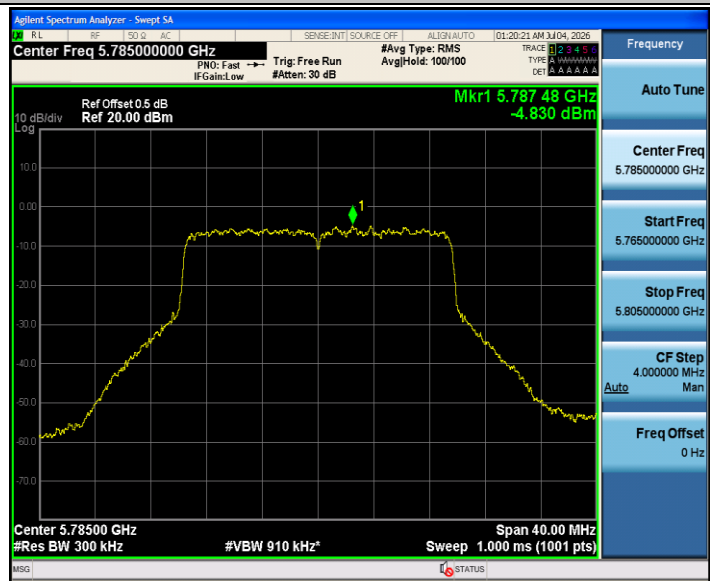
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



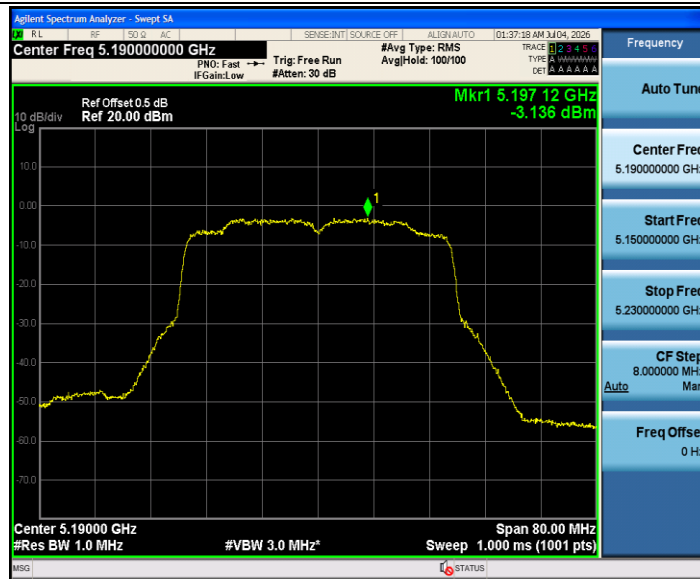
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



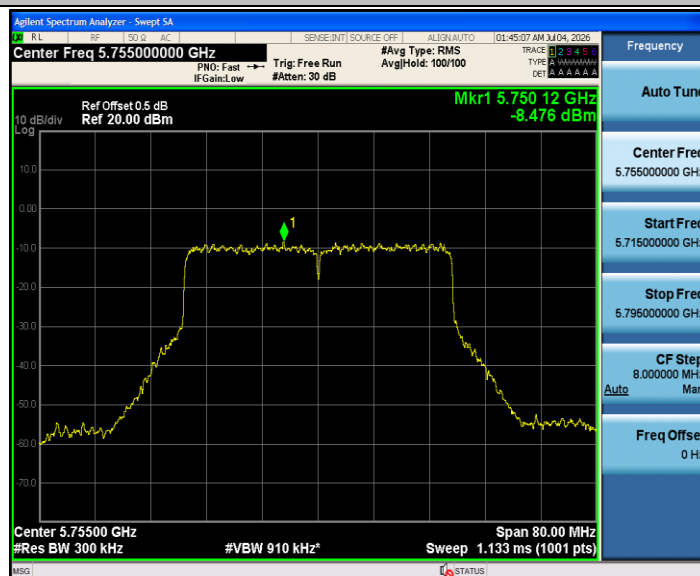
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-46.28	≤ -27	PASS
		High	5240	-49.29	≤ -27	PASS
11N20SISO	Ant1	Low	5180	-46.14	≤ -27	PASS
		High	5240	-48.84	≤ -27	PASS
11N40SISO	Ant1	Low	5190	-42.25	≤ -27	PASS
		High	5230	-49.49	≤ -27	PASS
11AC20SISO	Ant1	Low	5180	-45.91	≤ -27	PASS
		High	5240	-48.91	≤ -27	PASS
11AC40SISO	Ant1	Low	5190	-40.62	≤ -27	PASS
		High	5230	-47.95	≤ -27	PASS
11AC80SISO	Ant1	Low	5210	-39.62	≤ -27	PASS
		High	5210	-49.07	≤ -27	PASS

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5645~5650	-48.37	≤ -27	PASS
				5650~5700	-47.32	≤ -26.27	PASS
				5700~5720	-47.77	≤ 10.02	PASS
				5720~5725	-47.33	≤ 16.60	PASS
		High	5825	5850~5855	-48.92	≤ 15.73	PASS
				5855~5875	-49.98	≤ 10.21	PASS
				5875~5925	-51.72	≤ -26.81	PASS
				5925~5935	-50.33	≤ -27	PASS
11N20SISO	Ant1	Low	5745	5645~5650	-48.88	≤ -27	PASS
				5650~5700	-49.19	≤ -26.70	PASS
				5700~5720	-48.3	≤ 10.89	PASS
				5720~5725	-44.38	≤ 18.44	PASS
		High	5825	5850~5855	-48.95	≤ 15.73	PASS
				5855~5875	-49.45	≤ 10.63	PASS
				5875~5925	-50.35	≤ -25.51	PASS
				5925~5935	-50.53	≤ -27	PASS
11N40SISO	Ant1	Low	5755	5645~5650	-47.7	≤ -27	PASS
				5650~5700	-48.47	≤ -26.20	PASS
				5700~5720	-39.32	≤ 15.01	PASS
				5720~5725	-38.93	≤ 16.66	PASS

		High	5795	5850~5855	-49.66	≤15.66	PASS
				5855~5875	-49.22	≤10.39	PASS
				5875~5925	-50.16	≤-26.71	PASS
				5925~5935	-49.8	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5645~5650	-47.94	≤-27	PASS
				5650~5700	-48.74	≤-26.10	PASS
				5700~5720	-46.82	≤11.05	PASS
				5720~5725	-44.76	≤16.60	PASS
		High	5825	5850~5855	-41.86	≤21.88	PASS
				5855~5875	-49.35	≤10.21	PASS
				5875~5925	-50.75	≤-26.51	PASS
				5925~5935	-50.39	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5645~5650	-48.41	≤-27	PASS
				5650~5700	-49.61	≤-26.90	PASS
				5700~5720	-39.82	≤14.97	PASS
				5720~5725	-41.81	≤15.74	PASS
		High	5795	5850~5855	-51.25	≤15.66	PASS
				5855~5875	-49.22	≤11.03	PASS
				5875~5925	-50.84	≤-26.34	PASS
				5925~5935	-49.81	≤-27	PASS
11AC80S ISO	Ant1	Low	5775	5645~5650	-46.98	≤-27	PASS
				5650~5700	-47.06	≤-26.34	PASS
				5700~5720	-43.12	≤10.05	PASS
				5720~5725	-42.36	≤15.65	PASS
		High	5775	5850~5855	-45.38	≤16.26	PASS
				5855~5875	-48.76	≤10.60	PASS
				5875~5925	-50.7	≤-26.46	PASS
				5925~5935	-49.67	≤-27	PASS

Test Graphs B1

