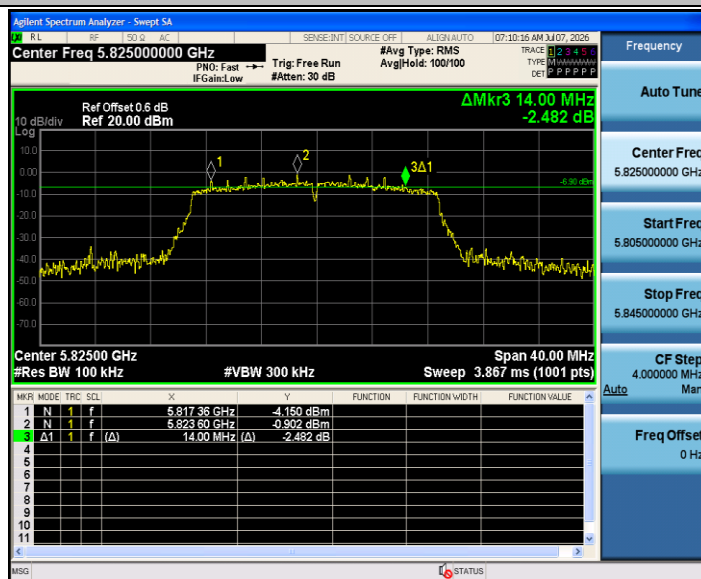
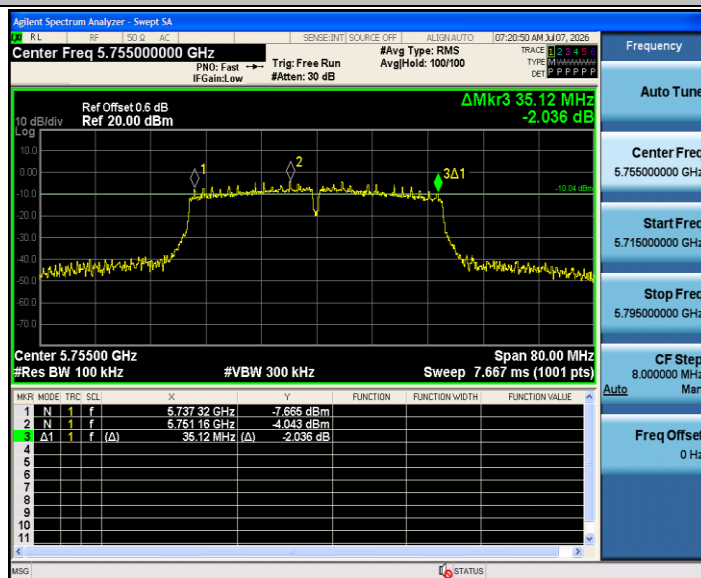


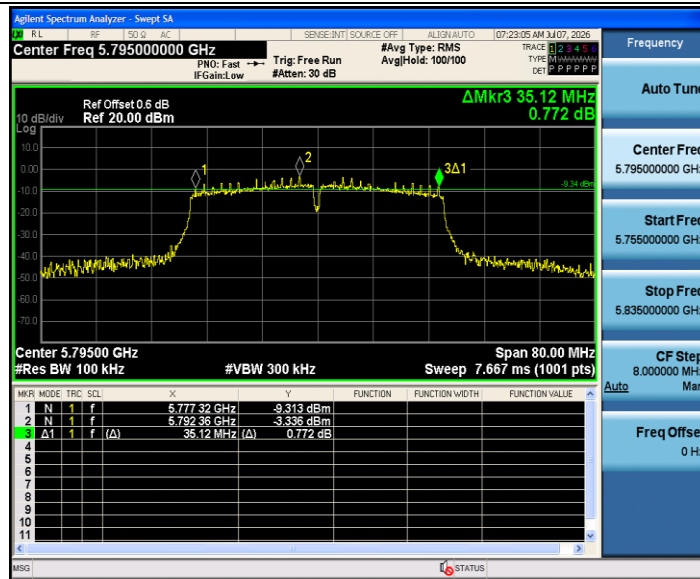
11AC20SISO_Ant1_5825



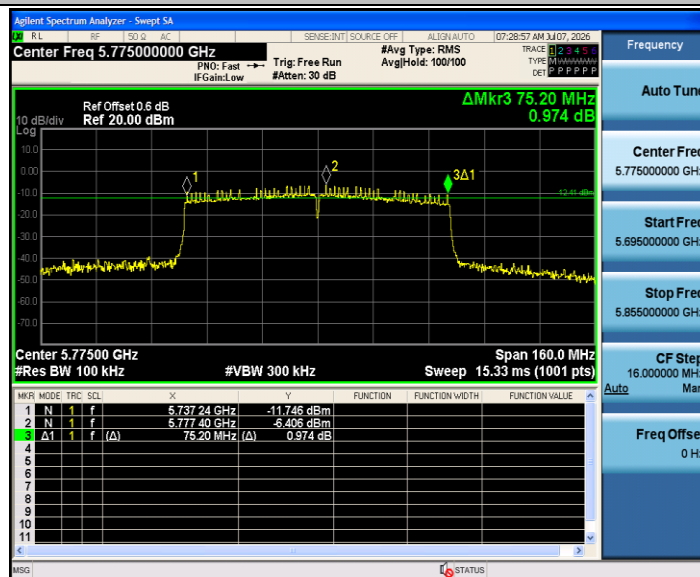
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_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	1.39	1.44	96.53	0.15	---	---
		5220	1.39	1.43	97.20	0.12	---	---
		5240	1.39	1.44	96.53	0.15	---	---
		5745	1.39	1.44	96.53	0.15	---	---
		5785	1.40	1.44	97.22	0.12	---	---
		5825	1.39	1.44	96.53	0.15	---	---
11N20SISO	Ant1	5180	1.30	1.35	96.30	0.16	---	---
		5220	1.29	1.34	96.27	0.17	---	---
		5240	1.29	1.34	96.27	0.17	---	---
		5745	1.29	1.34	96.27	0.17	---	---
		5785	1.30	1.34	97.01	0.13	---	---
		5825	1.31	1.35	97.04	0.13	---	---
11N40SISO	Ant1	5190	0.64	0.69	92.75	0.33	---	---
		5230	0.65	0.69	94.20	0.26	---	---
		5755	0.65	0.70	92.86	0.32	---	---
		5795	0.64	0.69	92.75	0.33	---	---
11AC20SISO	Ant1	5180	1.32	1.36	97.06	0.13	---	---
		5220	1.30	1.35	96.30	0.16	---	---
		5240	1.31	1.36	96.32	0.16	---	---
		5745	1.31	1.36	96.32	0.16	---	---
		5785	1.31	1.35	97.04	0.13	---	---
		5825	1.31	1.36	96.32	0.16	---	---
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26	---	---
		5230	0.65	0.70	92.86	0.32	---	---
		5755	0.65	0.70	92.86	0.32	---	---
		5795	0.65	0.69	94.20	0.26	---	---
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63	---	---
		5775	0.33	0.37	89.19	0.50	---	---

11A_Ant1_5180

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.180000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

#Atten: 30 dB

Ref Offset 0.6 dB

Ref 20.60 dBm

ΔMkr3 1.440 ms

61.40 dB

Center 5.180000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 2.000 ms (1001 pts)

Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	100.0 μs	-47.15 dBm			
2	Δ1	1	t	(Δ)	1.390 ms (Δ)	53.49 dB		
3	Δ1	1	t	(Δ)	1.440 ms (Δ)	61.40 dB		

11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

#Atten: 30 dB

Ref Offset 0.6 dB

Ref 20.60 dBm

ΔMkr3 1.430 ms

-58.76 dB

Center 5.220000000 GHz

Res BW 8 MHz

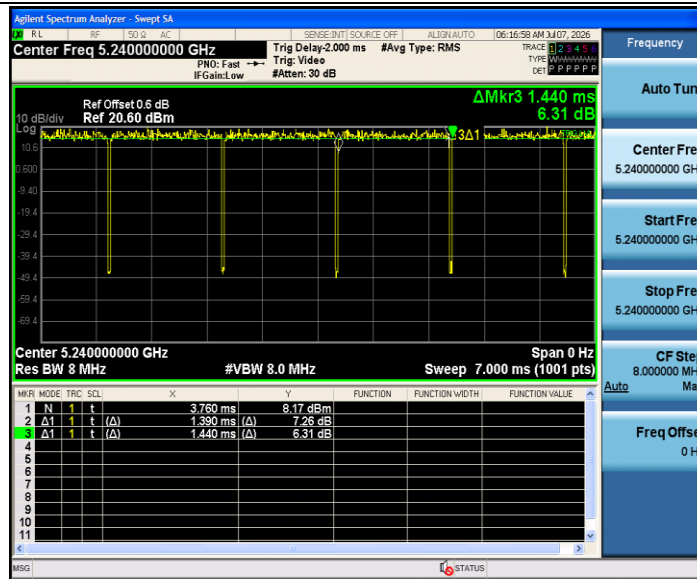
#VBW 8.0 MHz

Sweep 2.000 ms (1001 pts)

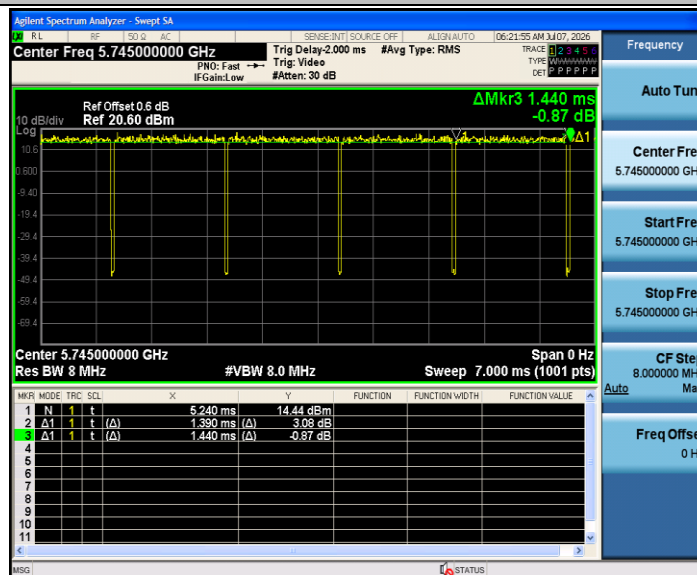
Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	370.0 μs	14.45 dBm			
2	Δ1	1	t	(Δ)	1.390 ms (Δ)	-62.54 dB		
3	Δ1	1	t	(Δ)	1.430 ms (Δ)	-58.76 dB		

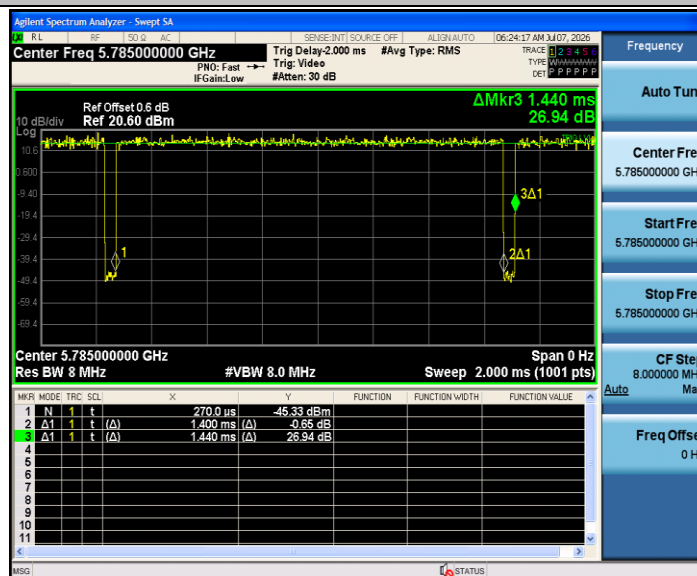
11A_Ant1_5240



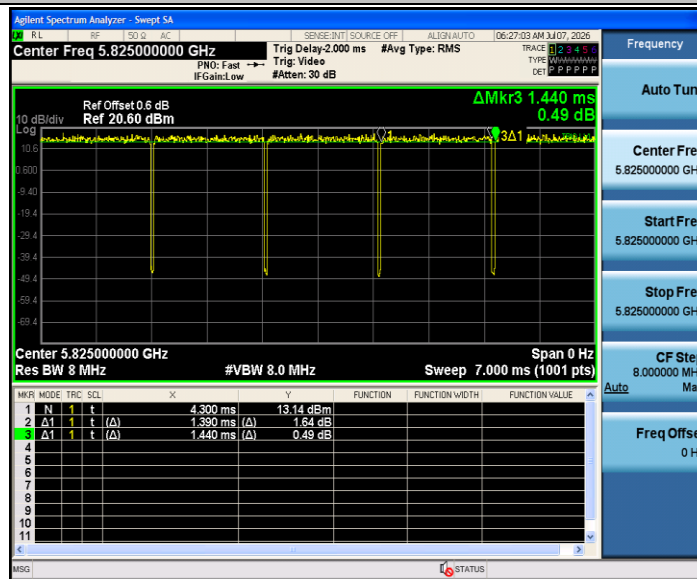
11A_Ant1_5745



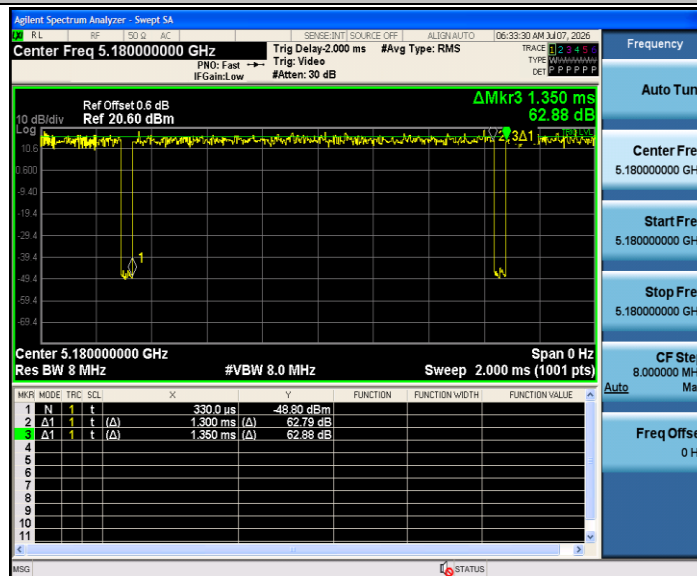
11A_Ant1_5785



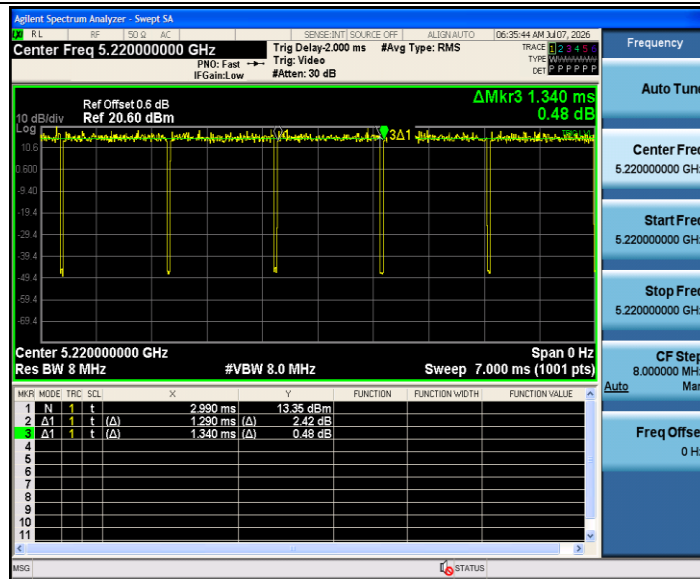
11A_Ant1_5825



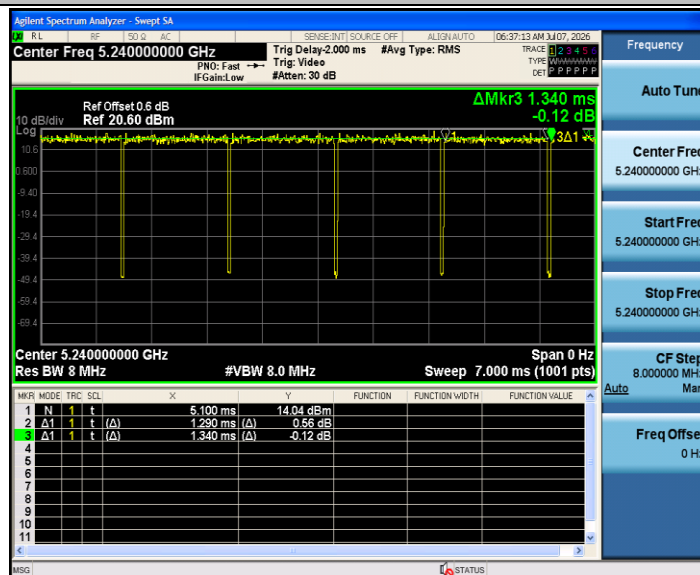
11N20SISO_Ant1_5180



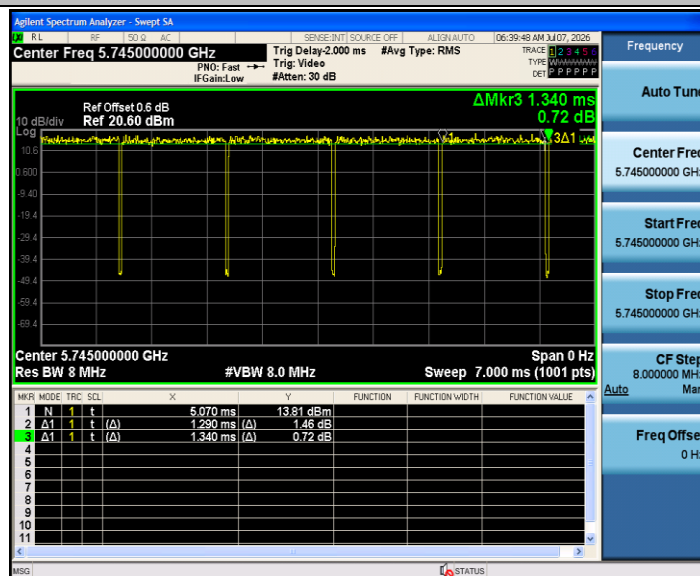
11N20SISO_Ant1_5220



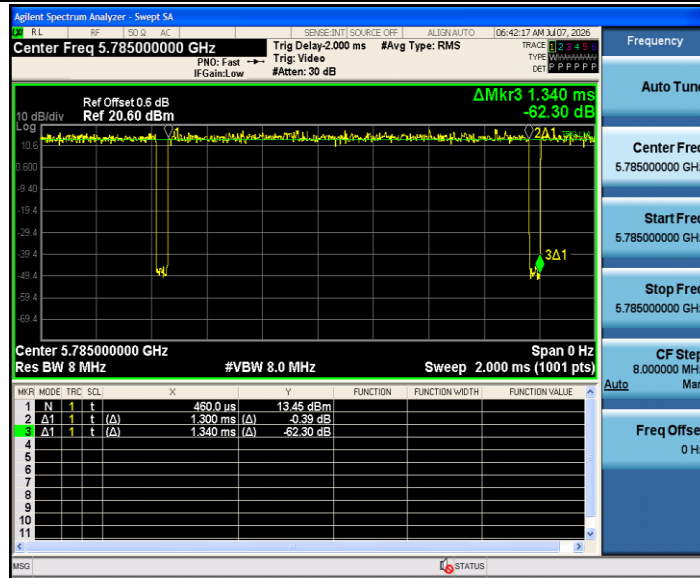
11N20SISO_Ant1_5240



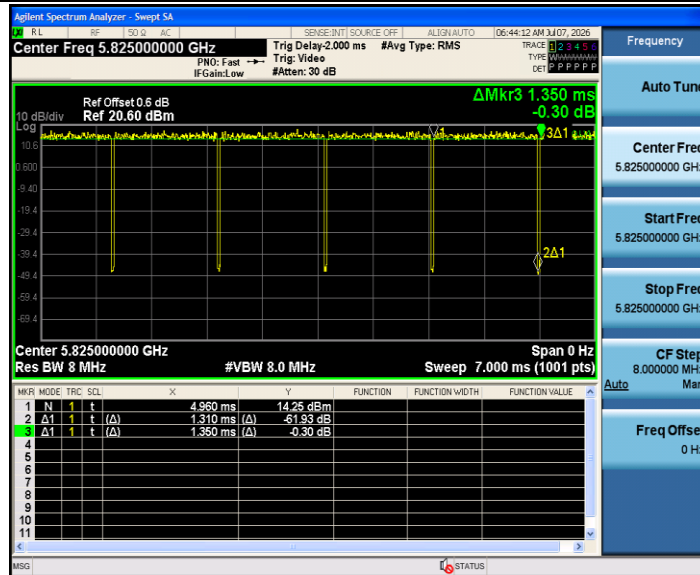
11N20SISO_Ant1_5745



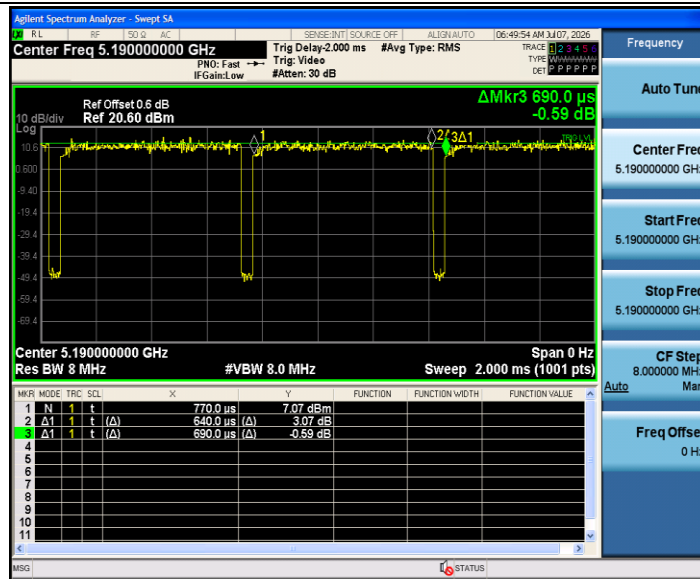
11N20SISO_Ant1_5785



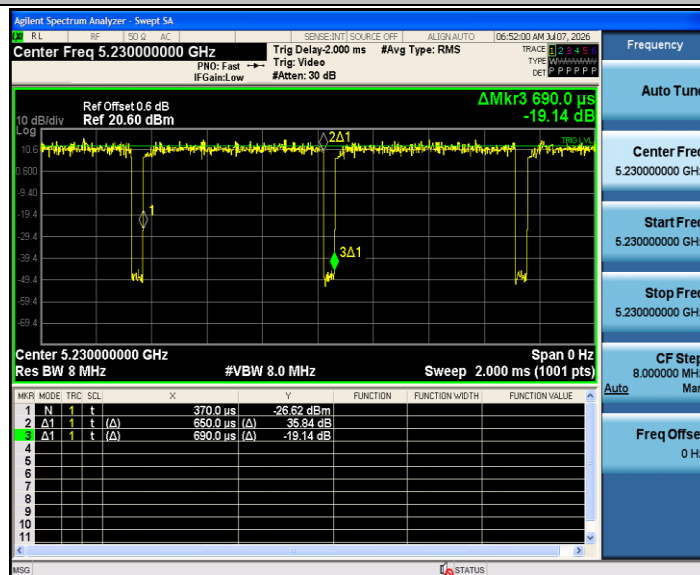
11N20SISO_Ant1_5825



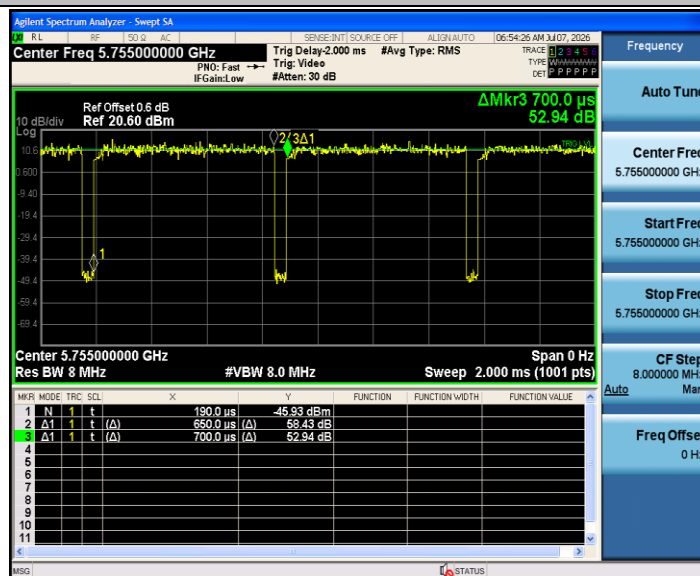
11N40SISO_Ant1_5190



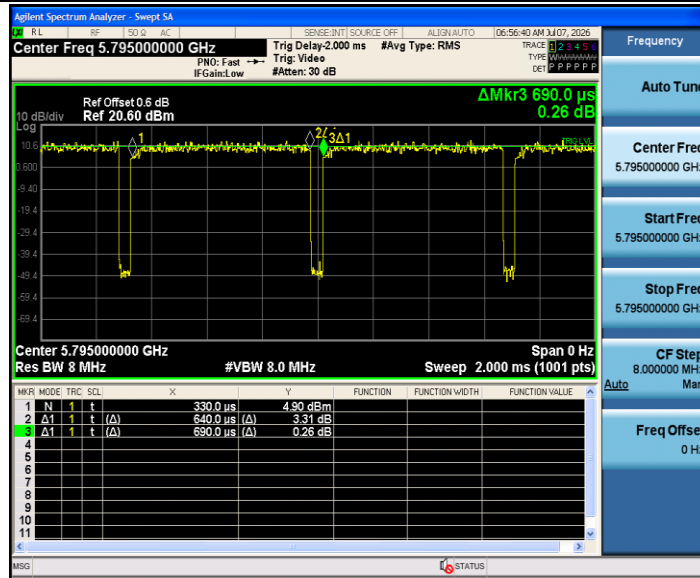
11N40SISO_Ant1_5230



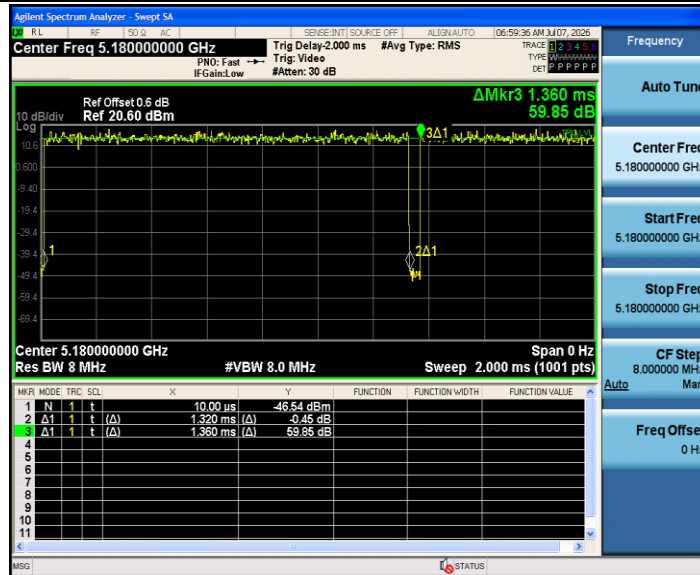
11N40SISO_Ant1_5755



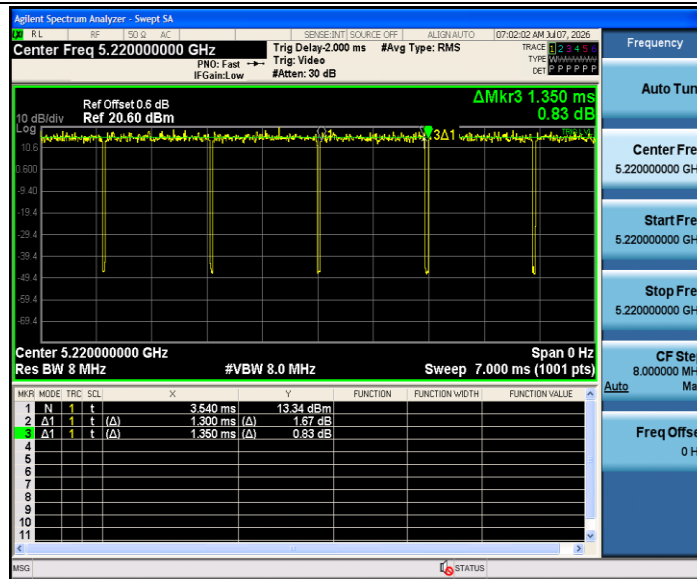
11N40SISO_Ant1_5795



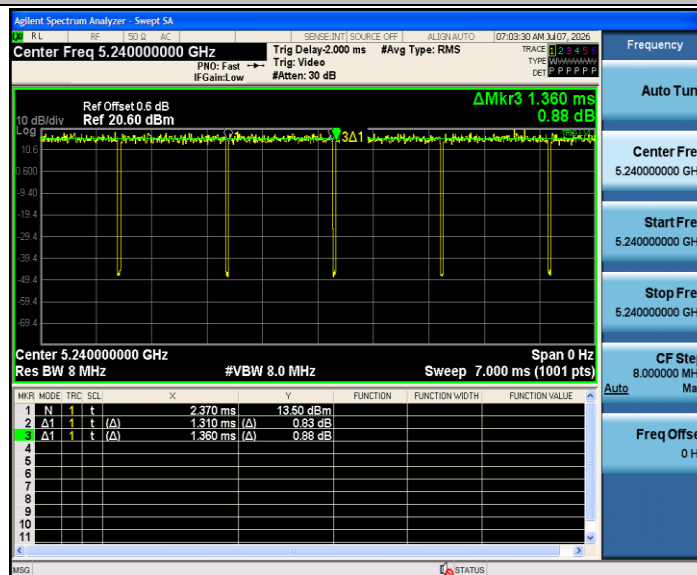
11AC20SISO_Ant1_5180



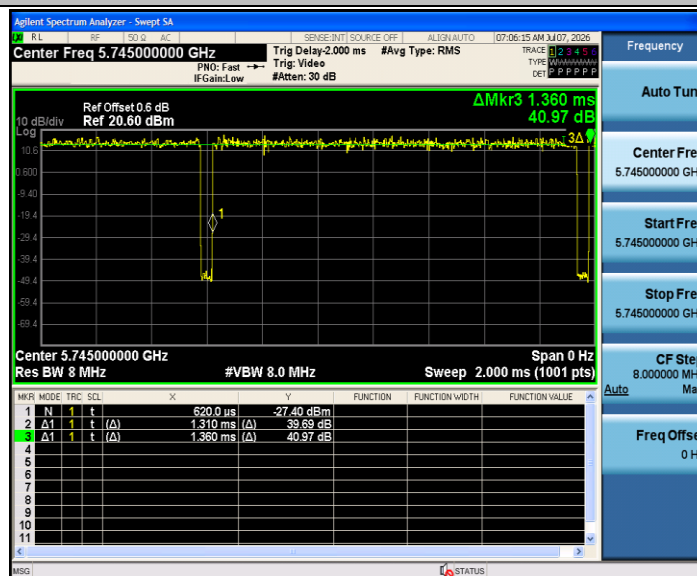
11AC20SISO_Ant1_5220



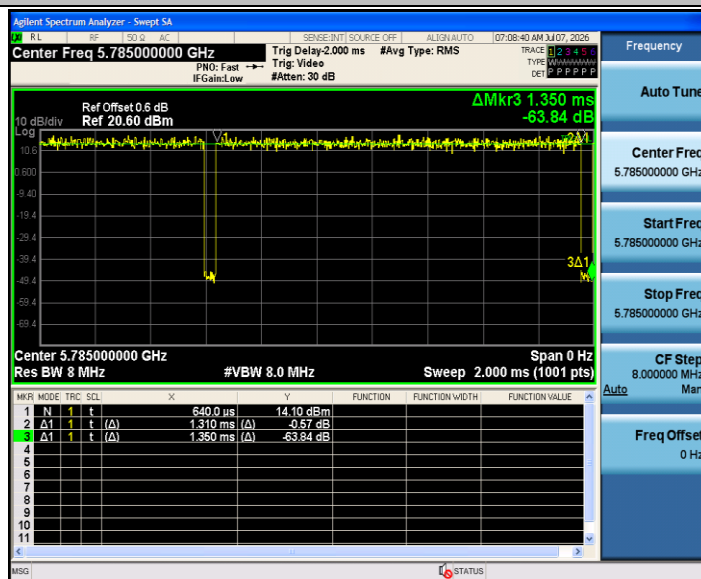
11AC20SISO_Ant1_5240



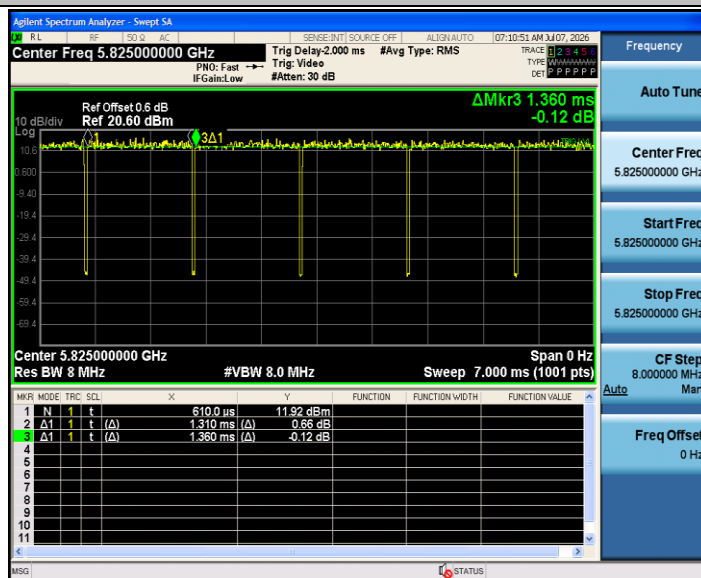
11AC20SISO_Ant1_5745



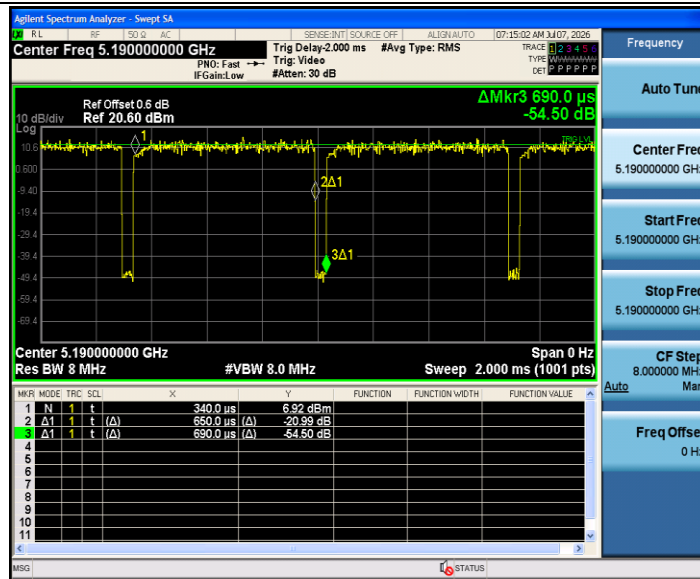
11AC20SISO_Ant1_5785



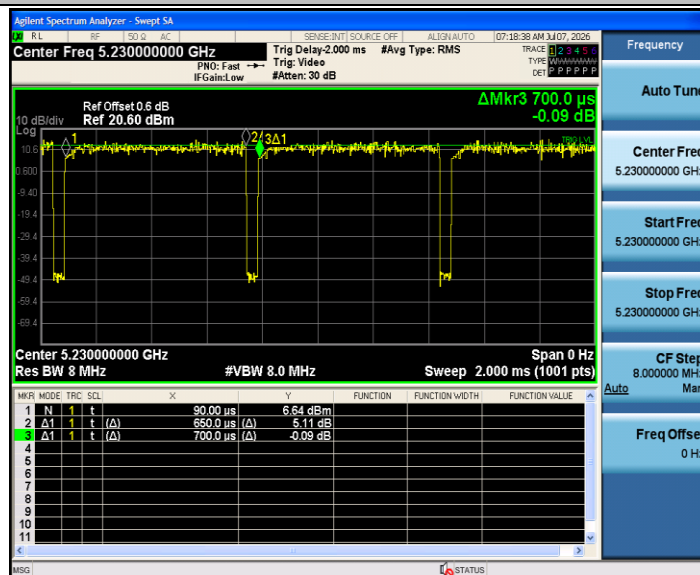
11AC20SISO_Ant1_5825



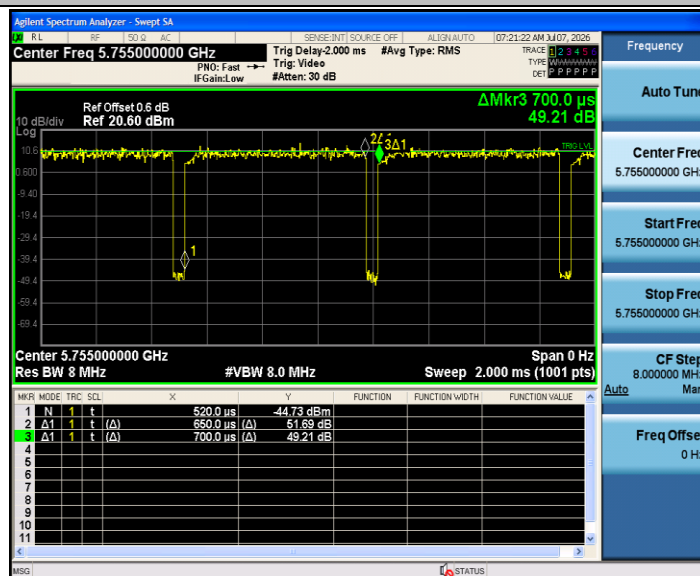
11AC40SISO_Ant1_5190



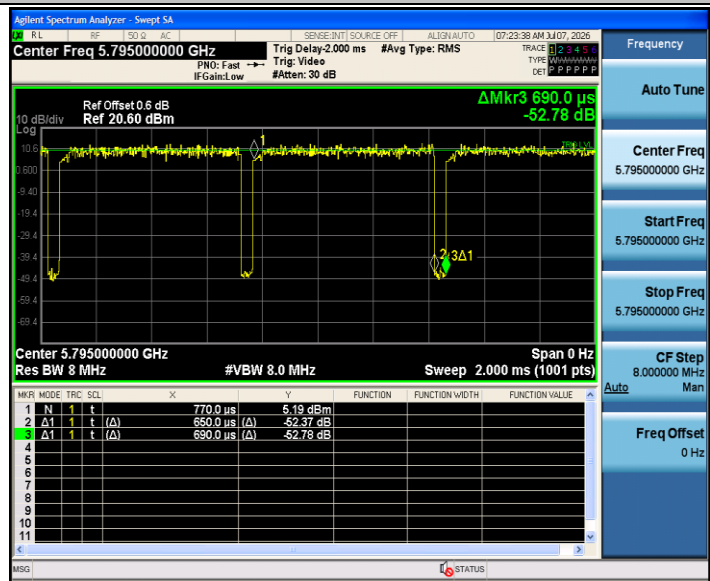
11AC40SISO_Ant1_5230



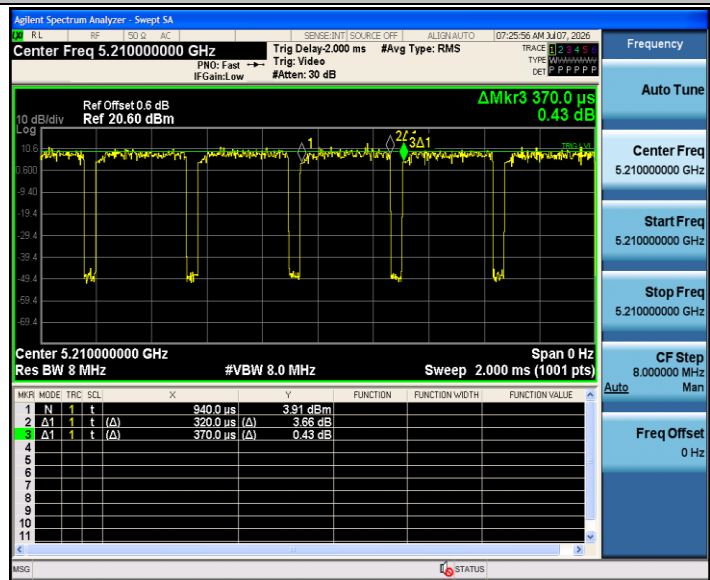
11AC40SISO_Ant1_5755



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	12.10	96.53	0.15	12.25	≤23.98	PASS
		5220	12.26	97.20	0.12	12.38	≤23.98	PASS
		5240	12.14	96.53	0.15	12.29	≤23.98	PASS
		5745	11.54	96.53	0.15	11.69	≤30.00	PASS
		5785	11.70	97.22	0.12	11.82	≤30.00	PASS
		5825	11.56	96.53	0.15	11.71	≤30.00	PASS
11N20SI SO	Ant1	5180	11.83	96.30	0.16	11.99	≤23.98	PASS
		5220	11.35	96.27	0.17	11.52	≤23.98	PASS
		5240	11.54	96.27	0.17	11.71	≤23.98	PASS
		5745	11.58	96.27	0.17	11.75	≤30.00	PASS
		5785	11.45	97.01	0.13	11.58	≤30.00	PASS
		5825	11.32	97.04	0.13	11.45	≤30.00	PASS
11N40SI SO	Ant1	5190	10.96	92.75	0.33	11.29	≤23.98	PASS
		5230	11.23	94.20	0.26	11.49	≤23.98	PASS
		5755	11.00	92.86	0.32	11.32	≤30.00	PASS
		5795	9.29	92.75	0.33	9.62	≤30.00	PASS
11AC20S ISO	Ant1	5180	10.97	97.06	0.13	11.10	≤23.98	PASS
		5220	11.28	96.30	0.16	11.44	≤23.98	PASS
		5240	11.56	96.32	0.16	11.72	≤23.98	PASS
		5745	11.25	96.32	0.16	11.41	≤30.00	PASS
		5785	11.52	97.04	0.13	11.65	≤30.00	PASS
		5825	9.22	96.32	0.16	9.38	≤30.00	PASS
11AC40S ISO	Ant1	5190	10.80	94.20	0.26	11.06	≤23.98	PASS
		5230	11.20	92.86	0.32	11.52	≤23.98	PASS
		5755	9.07	92.86	0.32	9.39	≤30.00	PASS
		5795	9.32	94.20	0.26	9.58	≤30.00	PASS
11AC80S ISO	Ant1	5210	10.74	86.49	0.63	11.37	≤23.98	PASS
		5775	8.85	89.19	0.50	9.35	≤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	2.23	0.15	0.00	2.38	≤11.00	PASS
		5220	1.99	0.12	0.00	2.11	≤11.00	PASS
		5240	2.07	0.15	0.00	2.22	≤11.00	PASS
		5745	-3.22	0.15	2.22	-0.85	≤30.00	PASS
		5785	-3.32	0.12	2.22	-0.98	≤30.00	PASS
		5825	-3.62	0.15	2.22	-1.25	≤30.00	PASS
11N20SISO	Ant1	5180	1.14	0.16	0.00	1.30	≤11.00	PASS
		5220	0.81	0.17	0.00	0.98	≤11.00	PASS
		5240	1.24	0.17	0.00	1.41	≤11.00	PASS
		5745	-3.69	0.17	2.22	-1.30	≤30.00	PASS
		5785	-3.88	0.13	2.22	-1.53	≤30.00	PASS
		5825	-3.97	0.13	2.22	-1.62	≤30.00	PASS
11N40SISO	Ant1	5190	-2.07	0.33	0.00	-1.74	≤11.00	PASS
		5230	-1.93	0.26	0.00	-1.67	≤11.00	PASS
		5755	-7.21	0.32	2.22	-4.67	≤30.00	PASS
		5795	-9.01	0.33	2.22	-6.46	≤30.00	PASS
11AC20SISO	Ant1	5180	0.67	0.13	0.00	0.80	≤11.00	PASS
		5220	1.06	0.16	0.00	1.22	≤11.00	PASS
		5240	1.37	0.16	0.00	1.53	≤11.00	PASS
		5745	-4.04	0.16	2.22	-1.66	≤30.00	PASS
		5785	-3.92	0.13	2.22	-1.57	≤30.00	PASS
		5825	-6.13	0.16	2.22	-3.75	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.06	0.26	0.00	-1.80	≤11.00	PASS
		5230	-2	0.32	0.00	-1.68	≤11.00	PASS
		5755	-9	0.32	2.22	-6.46	≤30.00	PASS
		5795	-9.01	0.26	2.22	-6.53	≤30.00	PASS
11AC80SISO	Ant1	5210	-5.31	0.63	0.00	-4.68	≤11.00	PASS
		5775	-12.29	0.50	2.22	-9.57	≤30.00	PASS

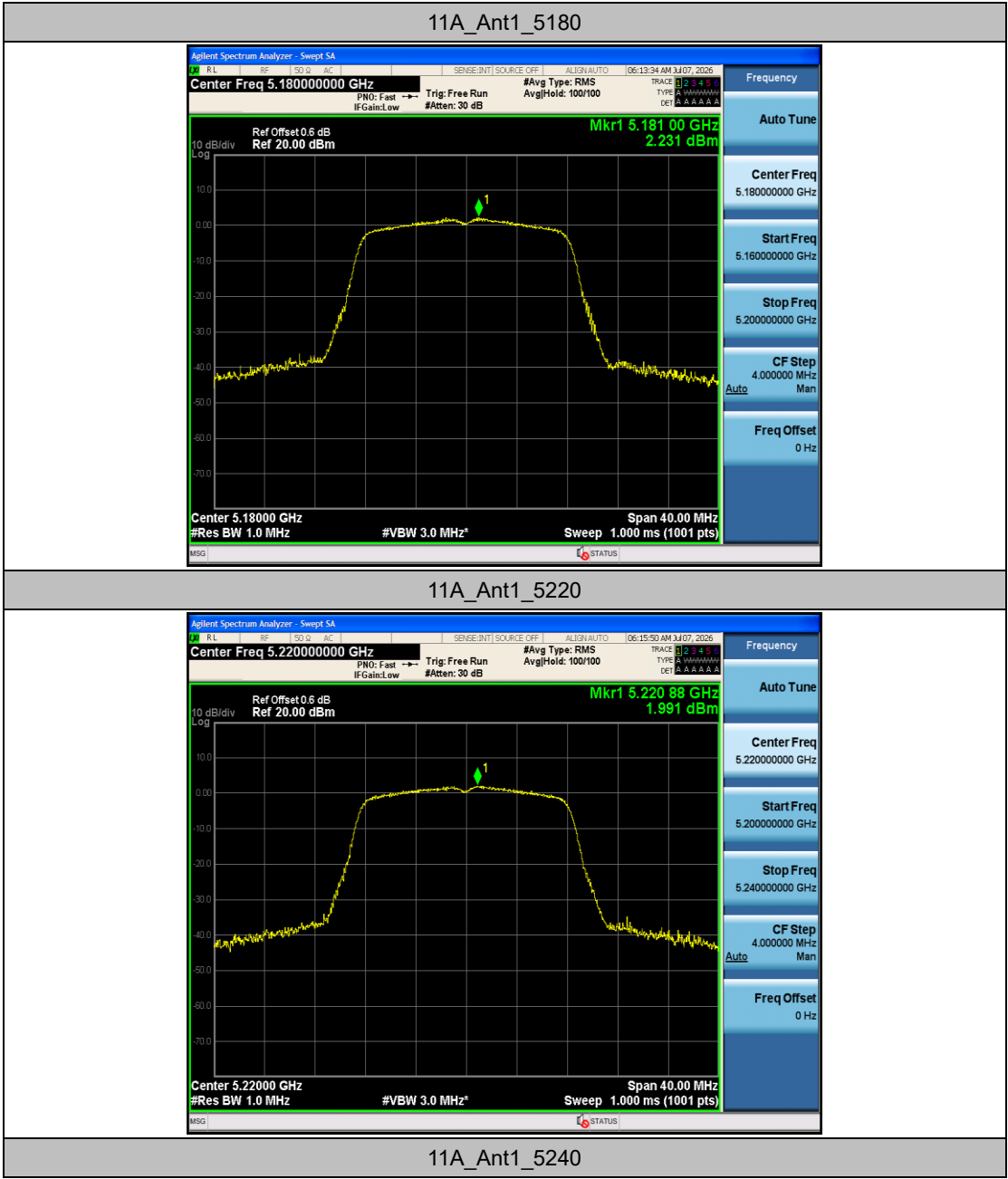
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

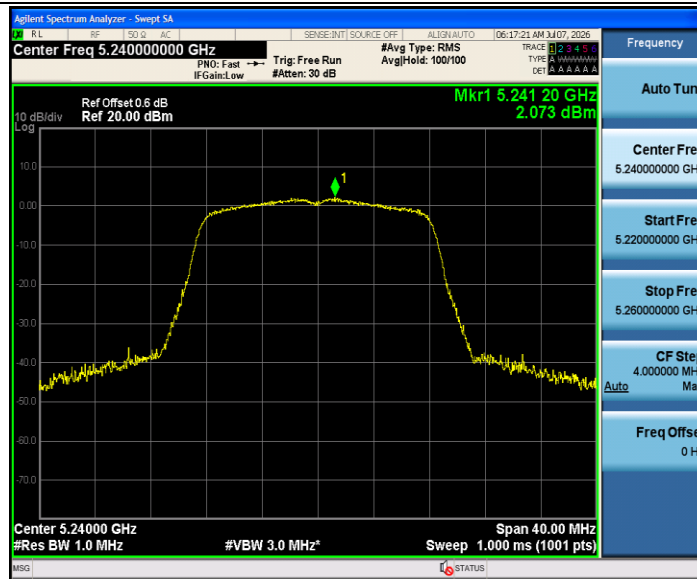
Total Power Spectral Density (dBm/MHz)= Power Spectral Density (dBm/MHz)+ Duty Factor (dB)

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

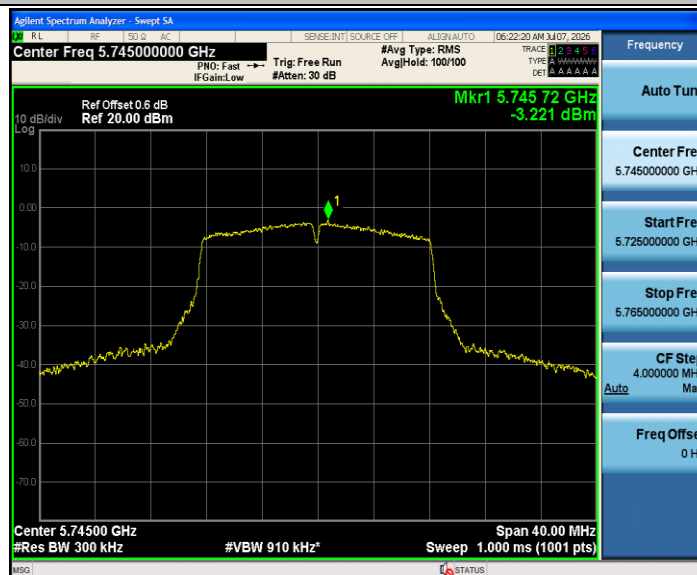
RBW factor = 10 log (500 KHz / 300 KHz) = 2.22 dB

Test Graphs

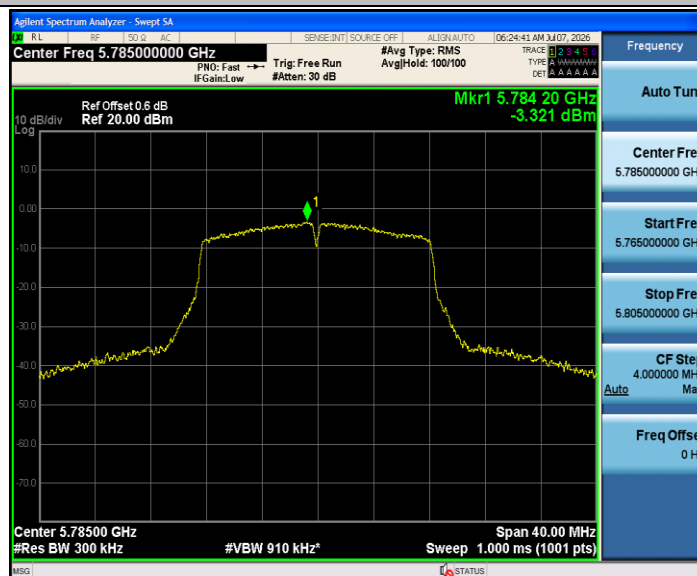




11A_Ant1_5745



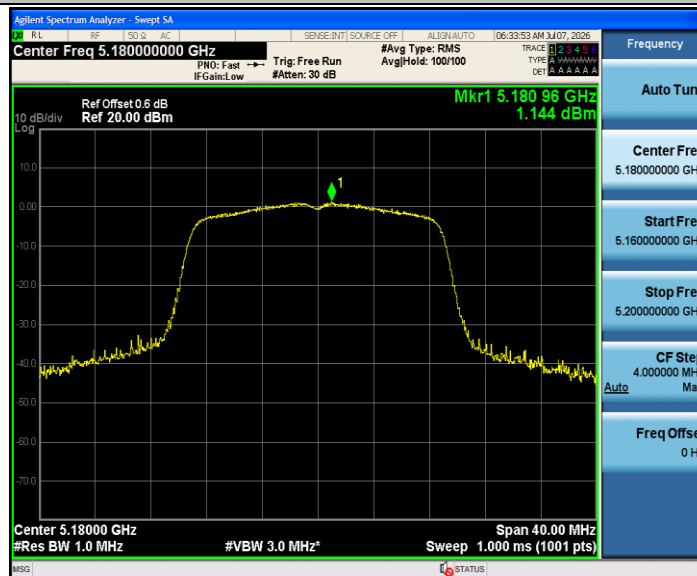
11A_Ant1_5785



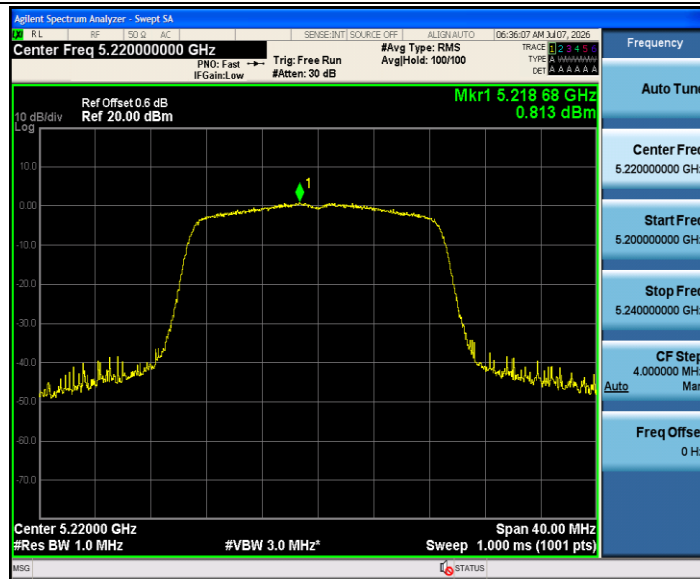
11A_Ant1_5825



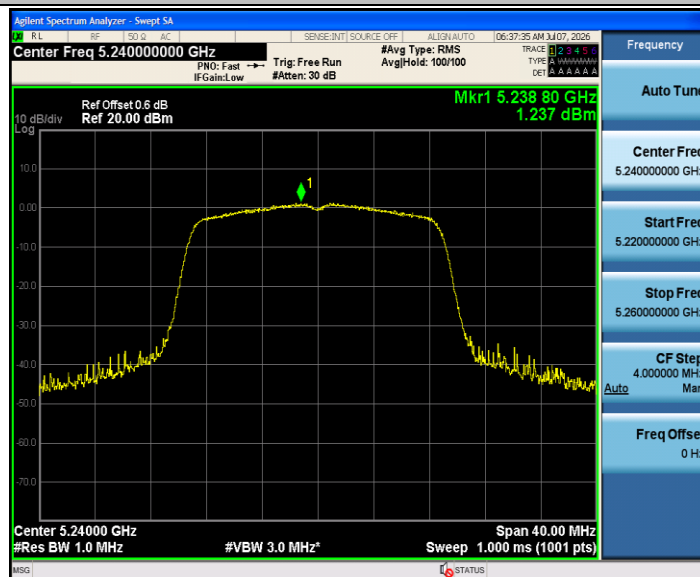
11N20SISO_Ant1_5180



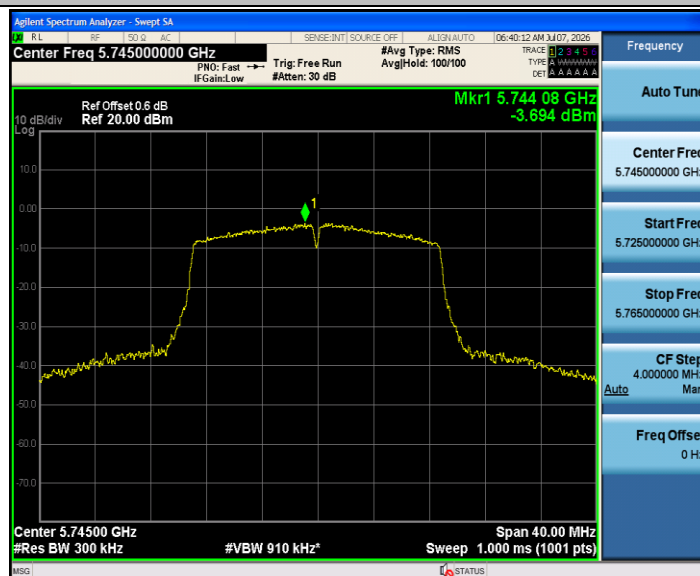
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



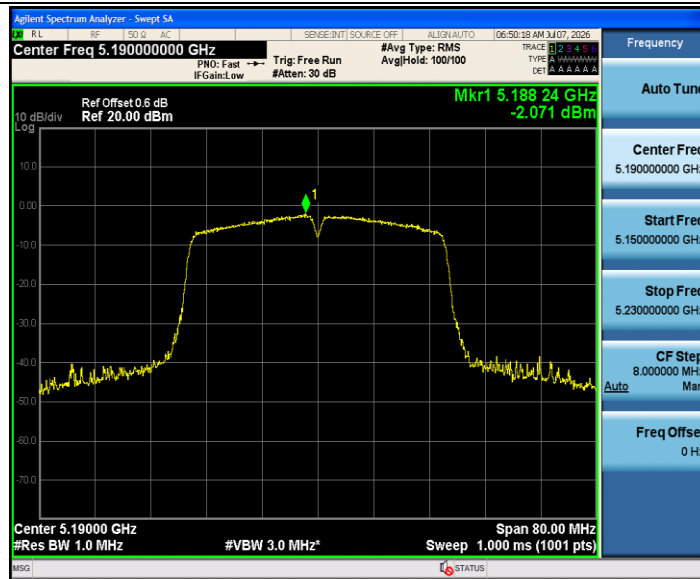
11N20SISO_Ant1_5785



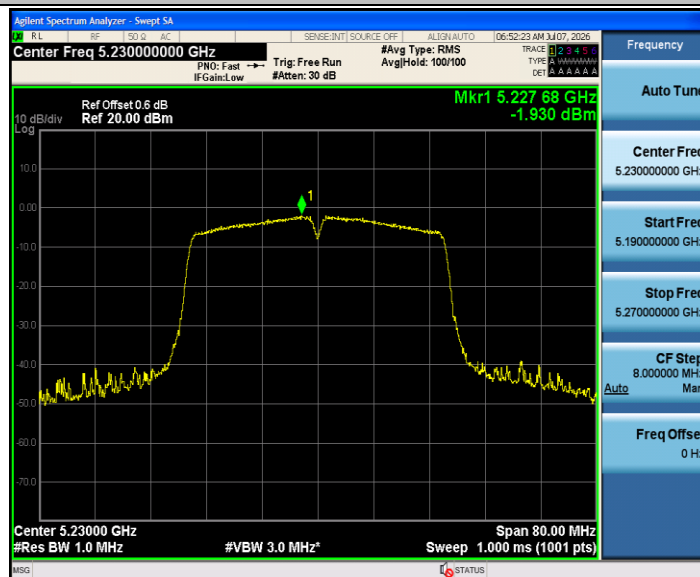
11N20SISO_Ant1_5825



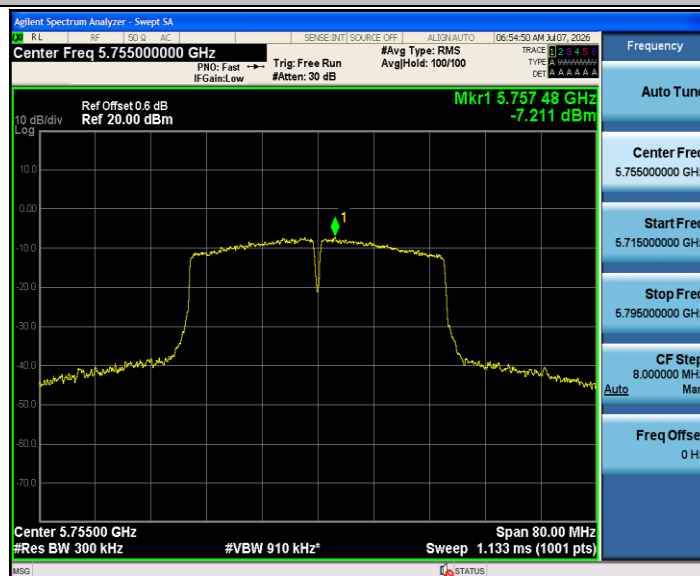
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



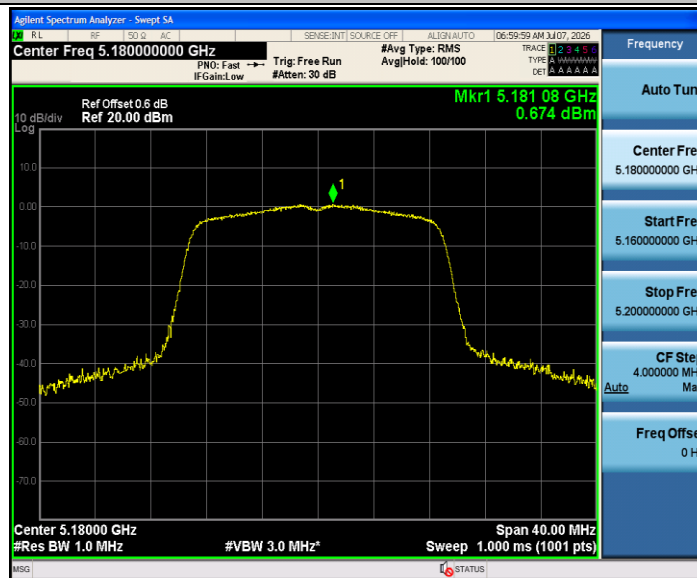
11N40SISO_Ant1_5755



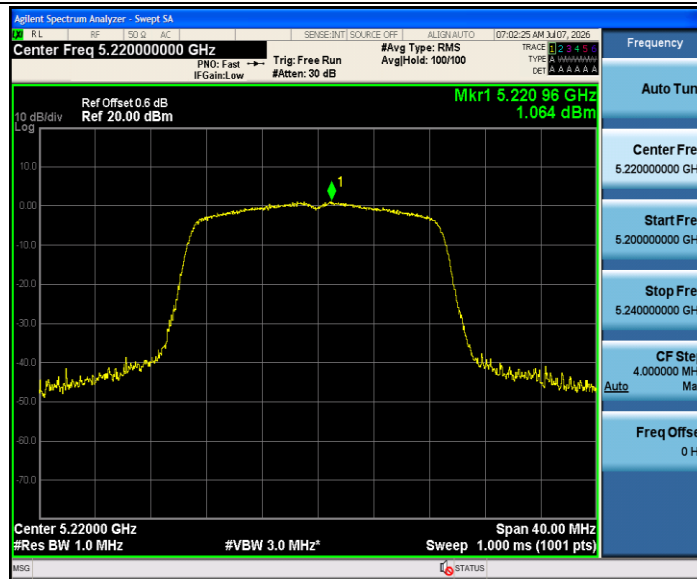
11N40SISO_Ant1_5795



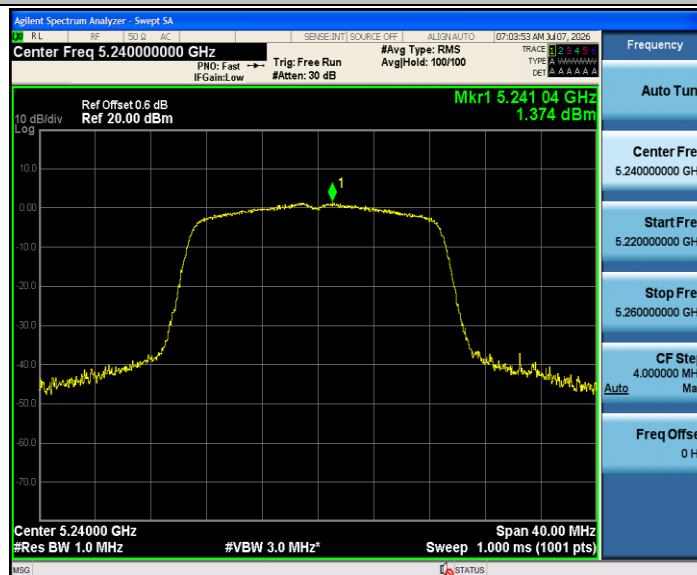
11AC20SISO_Ant1_5180



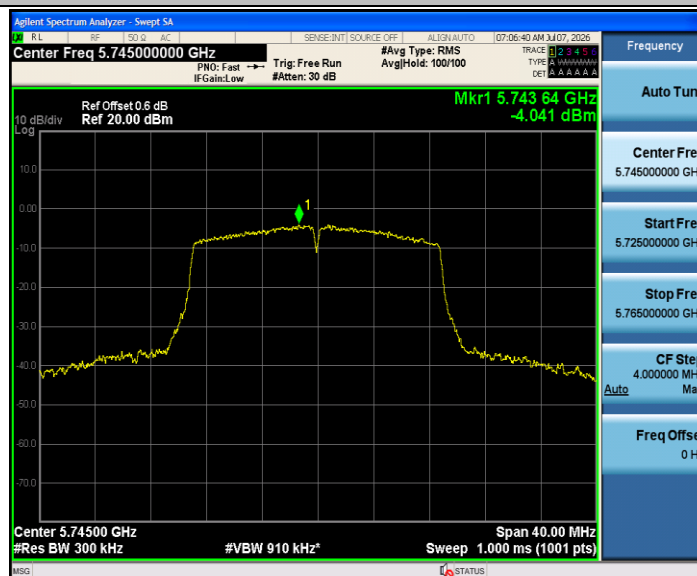
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



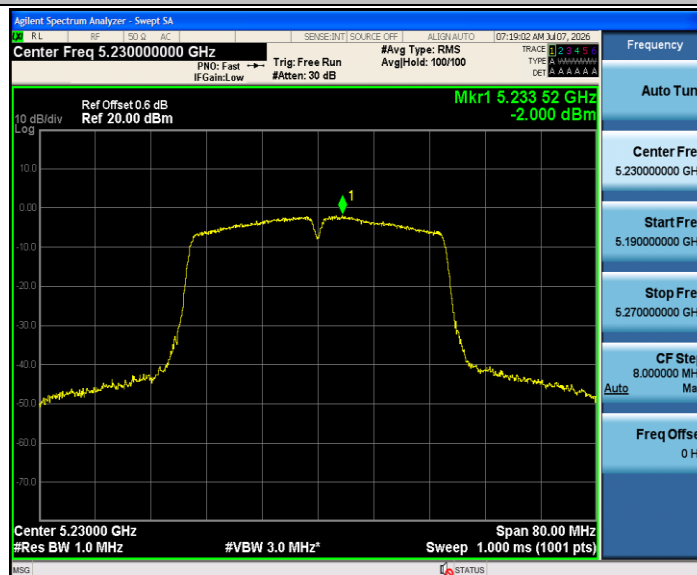
11AC20SISO_Ant1_5825



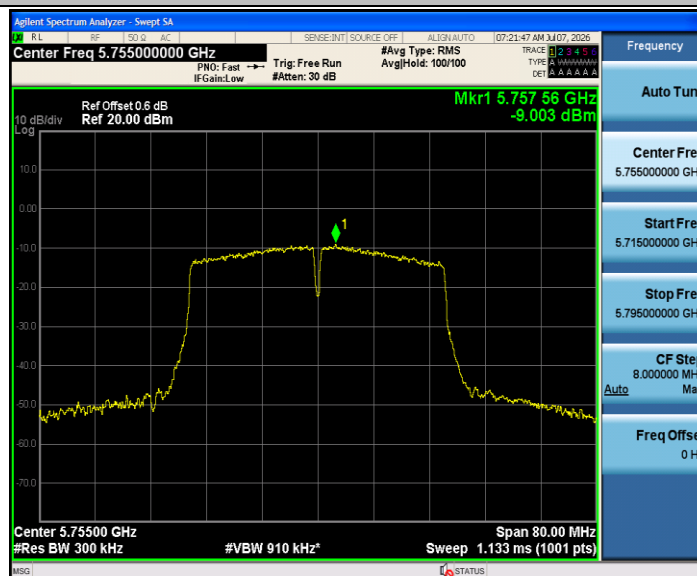
11AC40SISO_Ant1_5190



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	-35.45	≤-27	PASS
		High	5240	-47.36	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.66	≤-27	PASS
		High	5240	-47.89	≤-27	PASS
11N40SISO	Ant1	Low	5190	-27.95	≤-27	PASS
		High	5230	-48.15	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-37	≤-27	PASS
		High	5240	-48.43	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-30.53	≤-27	PASS
		High	5230	-48.2	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-30.86	≤-27	PASS
		High	5210	-42.67	≤-27	PASS

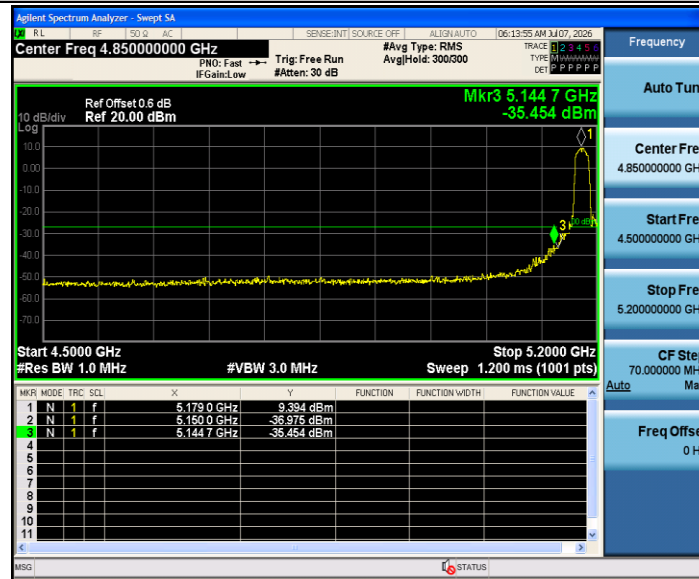
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5645~5650	-46.22	≤-27	PASS
				5650~5700	-47.92	≤-26.87	PASS
				5700~5720	-27.78	≤15.53	PASS
				5720~5725	-28.3	≤16.87	PASS
		High	5825	5850~5855	-34.57	≤15.73	PASS
				5855~5875	-32.36	≤14.90	PASS
				5875~5925	-50.28	≤-25.91	PASS
				5925~5935	-49.42	≤-27	PASS
11N20SISO	Ant1	Low	5745	5645~5650	-46.79	≤-27	PASS
				5650~5700	-47.02	≤-26.87	PASS
				5700~5720	-25.67	≤15.50	PASS
				5720~5725	-26.05	≤15.82	PASS
		High	5825	5850~5855	-31.27	≤15.73	PASS
				5855~5875	-34.71	≤12.97	PASS
				5875~5925	-51.01	≤-26.31	PASS
				5925~5935	-49.83	≤-27	PASS
11N40SISO	Ant1	Low	5755	5645~5650	-46.43	≤-27	PASS
				5650~5700	-43.69	≤-24.31	PASS
				5700~5720	-20.19	≤15.47	PASS
				5720~5725	-20.18	≤15.74	PASS

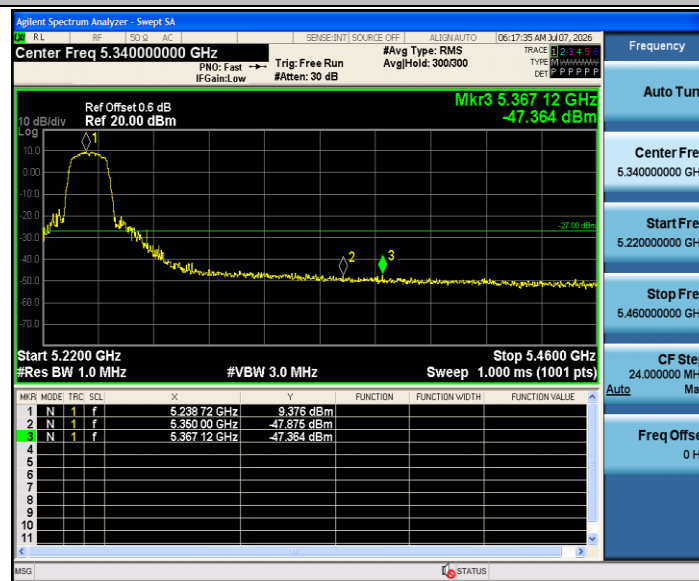
		High	5795	5850~5855	-40.19	≤ 15.66	PASS
				5855~5875	-41.03	≤ 12.33	PASS
				5875~5925	-51.35	≤ -26.95	PASS
				5925~5935	-50.04	≤ -27	PASS
11AC20S ISO	Ant1	Low	5745	5645~5650	-47.13	≤ -27	PASS
				5650~5700	-47.4	≤ -26.87	PASS
				5700~5720	-28.3	≤ 15.59	PASS
				5720~5725	-23.4	≤ 18.96	PASS
		High	5825	5850~5855	-37.91	≤ 17.57	PASS
				5855~5875	-36.74	≤ 15.39	PASS
				5875~5925	-50.63	≤ -26.61	PASS
				5925~5935	-50.07	≤ -27	PASS
11AC40S ISO	Ant1	Low	5755	5645~5650	-47.56	≤ -27	PASS
				5650~5700	-46.42	≤ -26.20	PASS
				5700~5720	-28.09	≤ 13.99	PASS
				5720~5725	-27.42	≤ 17.58	PASS
		High	5795	5850~5855	-42.24	≤ 17.91	PASS
				5855~5875	-39.16	≤ 15.51	PASS
				5875~5925	-50.04	≤ -25.49	PASS
				5925~5935	-50.57	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5645~5650	-41.18	≤ -27	PASS
				5650~5700	-42.37	≤ -26.34	PASS
				5700~5720	-29.35	≤ 10.88	PASS
				5720~5725	-28.26	≤ 15.65	PASS
		High	5775	5850~5855	-36.59	≤ 15.84	PASS
				5855~5875	-35.62	≤ 11.74	PASS
				5875~5925	-48.13	≤ -25.36	PASS
				5925~5935	-50.6	≤ -27	PASS

Test Graphs B1

11A_Ant1_Low_5180



11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180