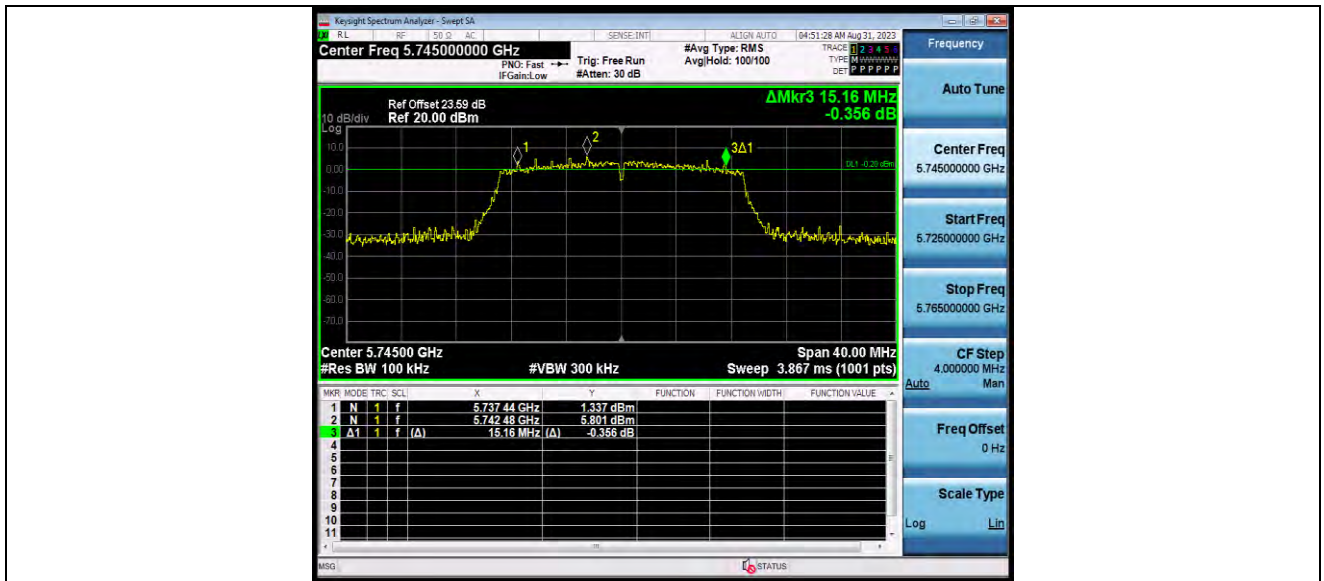


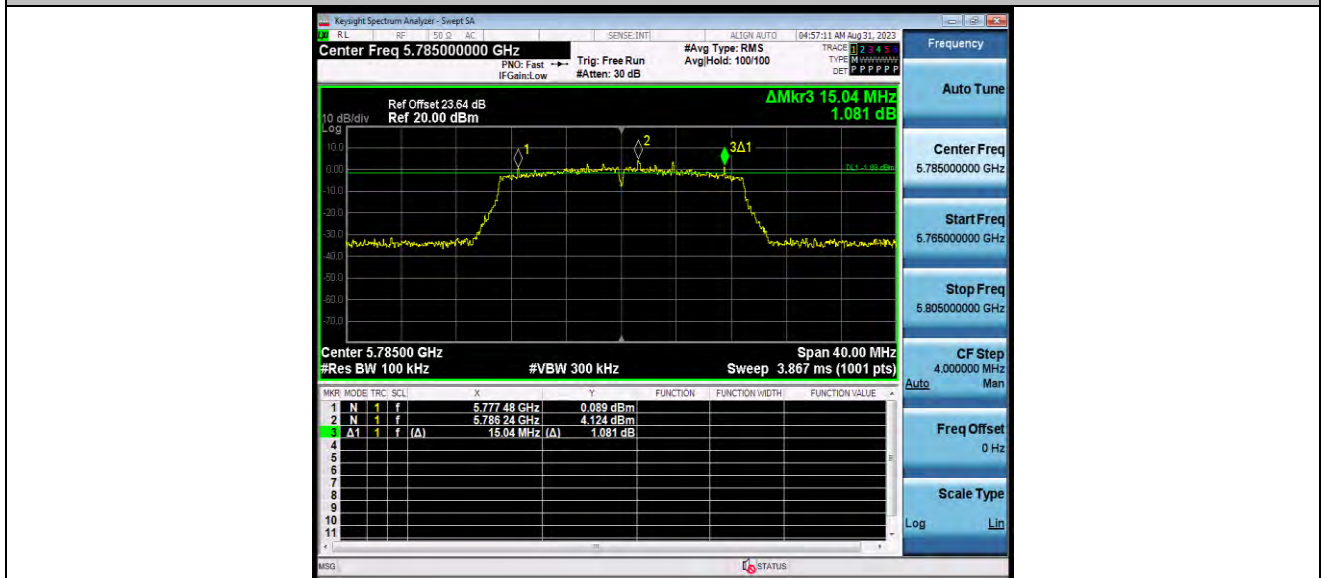


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5785

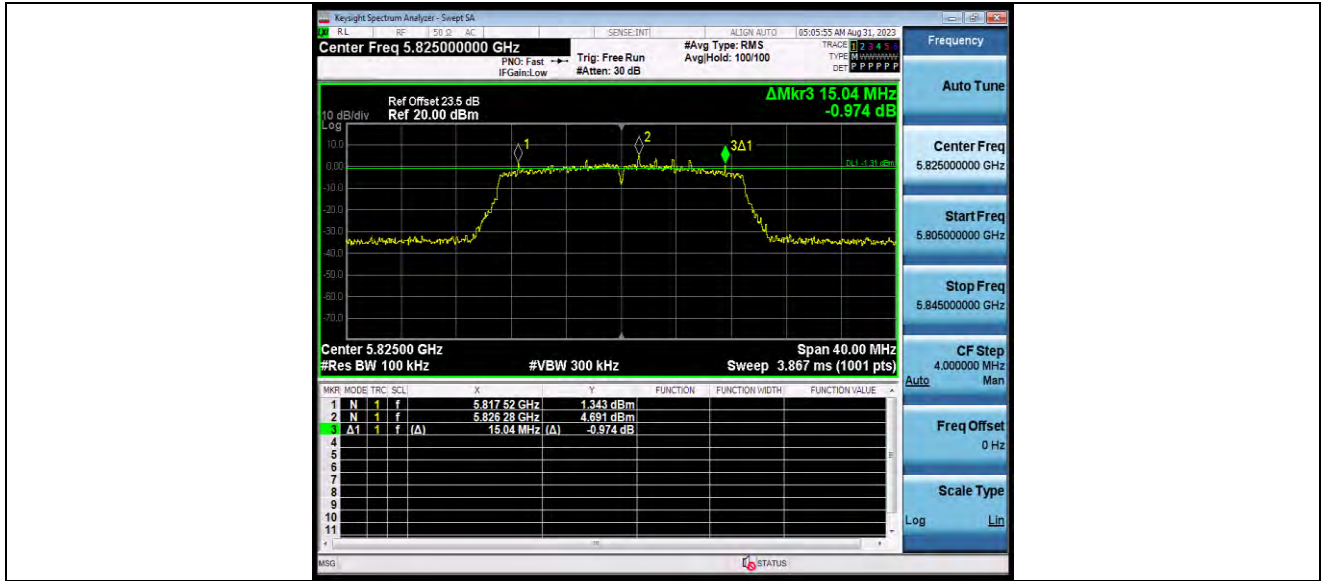


11AC20SISO_Ant1_5825

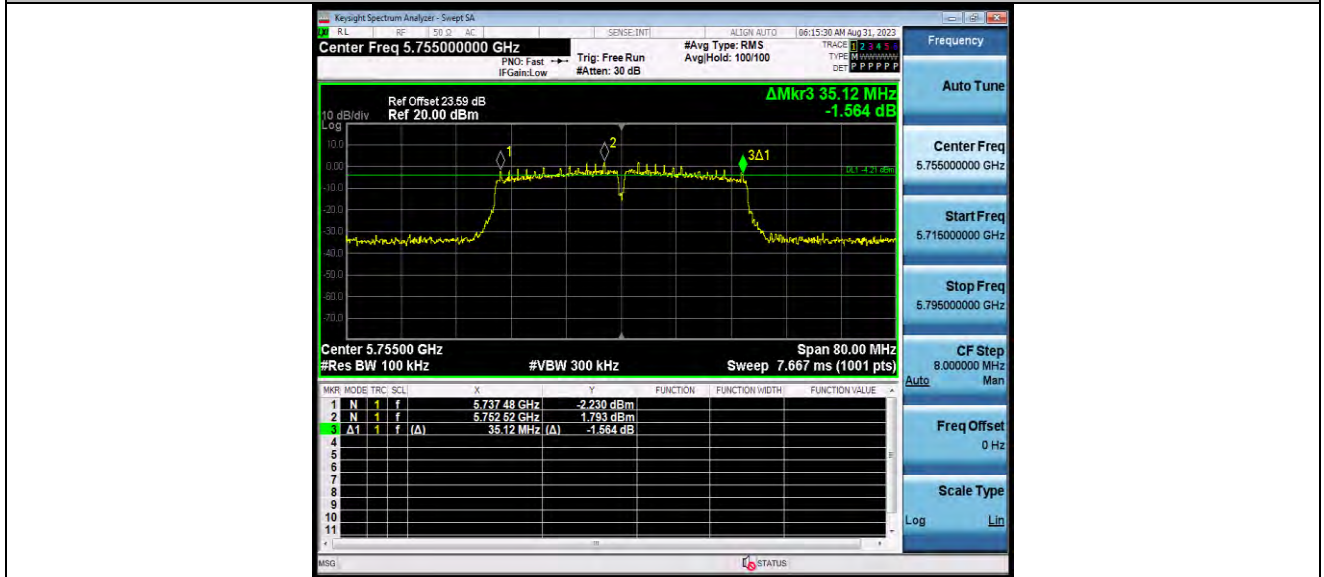


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5755

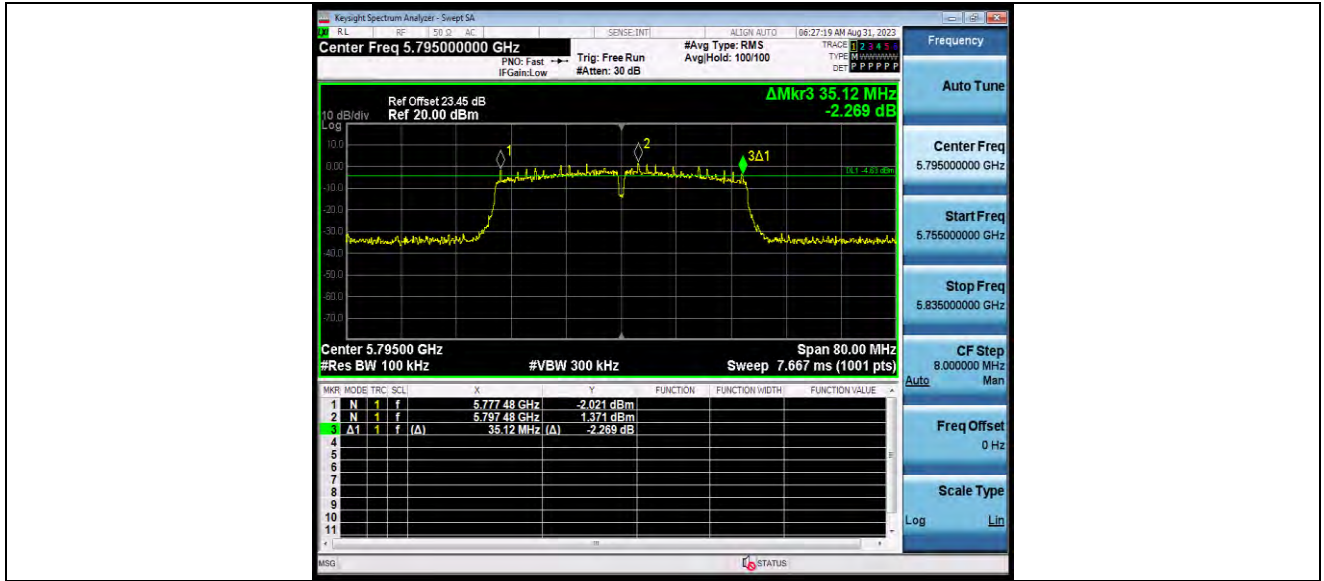


11AC40SISO_Ant1_5795

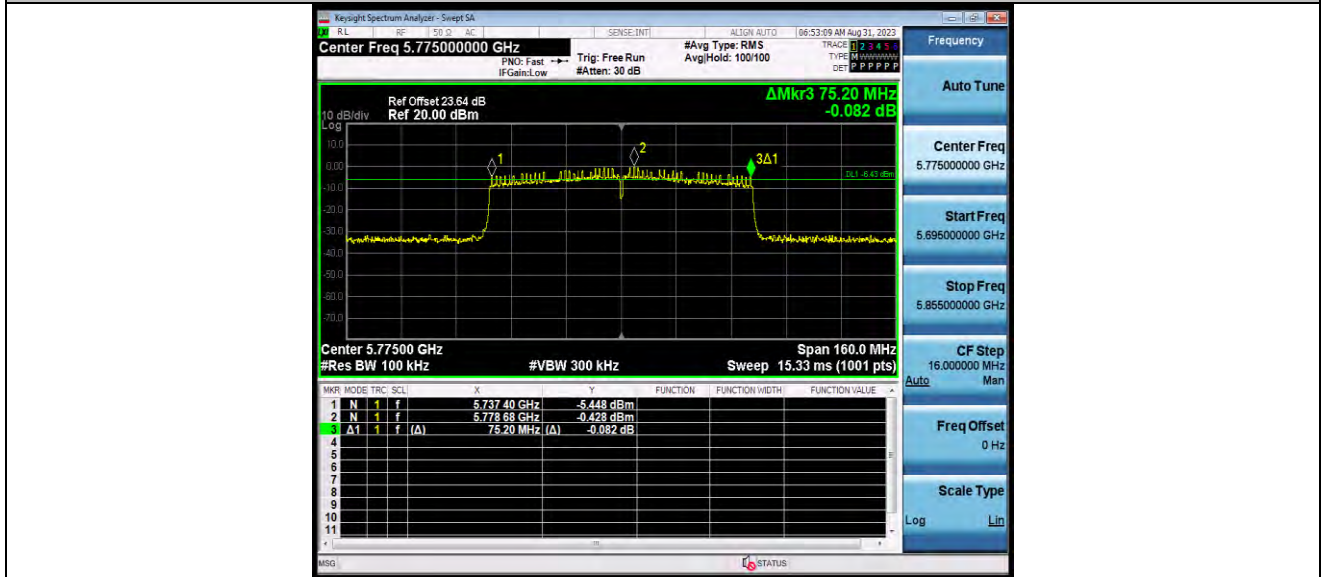


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC80SISO_Ant1_5775





DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.44	97.22
		5200	1.39	1.43	97.20
		5240	1.39	1.43	97.20
		5260	1.39	1.44	96.53
		5300	1.39	1.44	96.53
		5320	1.39	1.43	97.20
		5500	1.40	1.44	97.22
		5580	1.39	1.44	96.53
		5700	1.39	1.43	97.20
		5745	1.39	1.43	97.20
		5785	1.39	1.43	97.20
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.35	96.30
		5260	1.30	1.34	97.01
		5300	1.30	1.35	96.30
		5320	1.30	1.35	96.30
		5500	1.30	1.35	96.30
		5580	1.30	1.34	97.01
		5700	1.30	1.35	96.30
		5745	1.30	1.35	96.30
		5785	1.29	1.34	96.27
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.70	92.86
		5270	0.65	0.70	92.86
		5310	0.64	0.69	92.75
		5510	0.64	0.69	92.75
		5550	0.65	0.69	94.20



		5670	0.65	0.69	94.20
		5755	0.65	0.70	92.86
		5795	0.65	0.70	92.86
11AC20SISO	Ant1	5180	1.32	1.36	97.06
		5200	1.32	1.36	97.06
		5240	1.31	1.36	96.32
		5260	1.31	1.36	96.32
		5300	1.31	1.36	96.32
		5320	1.31	1.36	96.32
		5500	1.32	1.36	97.06
		5580	1.31	1.36	96.32
		5700	1.31	1.35	97.04
		5745	1.31	1.35	97.04
		5785	1.31	1.35	97.04
		5825	1.31	1.36	96.32
11AC40SISO	Ant1	5190	0.66	0.70	94.29
		5230	0.65	0.70	92.86
		5270	0.66	0.70	94.29
		5310	0.65	0.69	94.20
		5510	0.65	0.69	94.20
		5550	0.65	0.70	92.86
		5670	0.65	0.70	92.86
		5755	0.65	0.69	94.20
		5795	0.66	0.70	94.29
11AC80SISO	Ant1	5210	0.32	0.36	88.89
		5290	0.33	0.37	89.19
		5530	0.32	0.37	86.49
		5610	0.32	0.37	86.49
		5775	0.32	0.37	86.49



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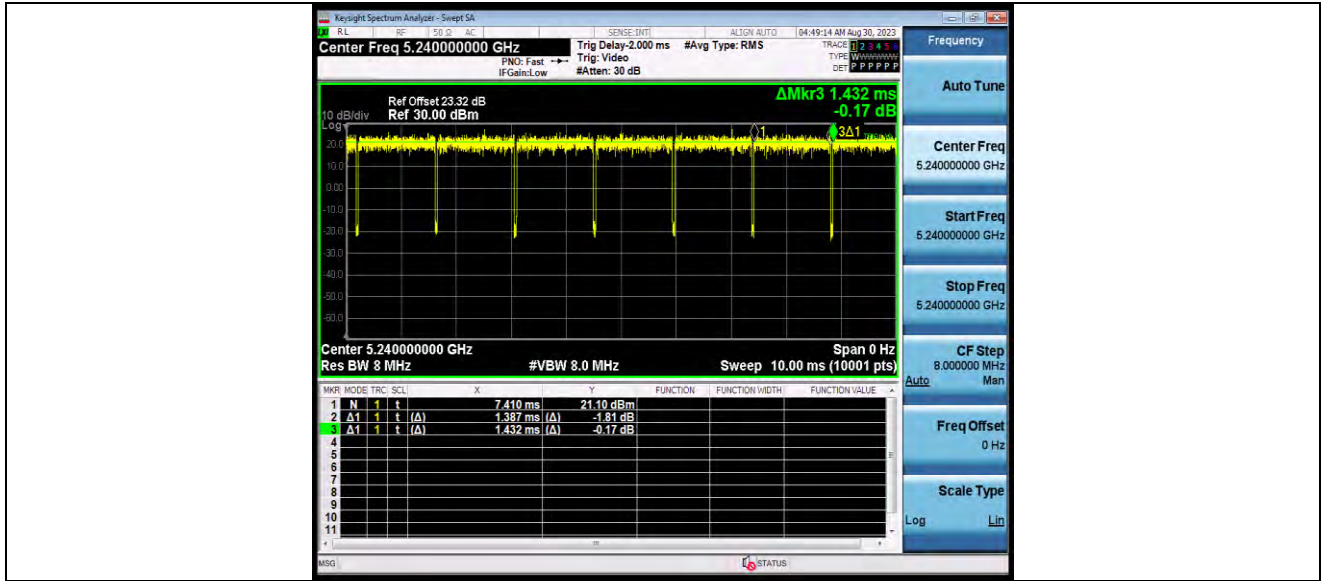
TEST GRAPHS



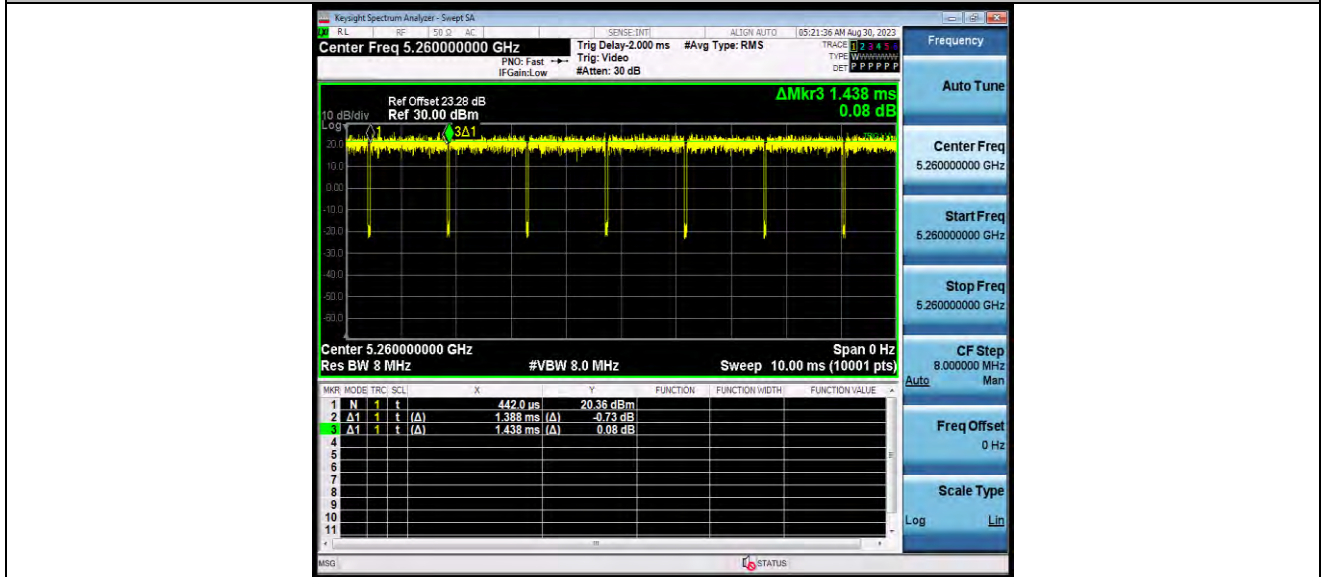


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11A_Ant1_5260

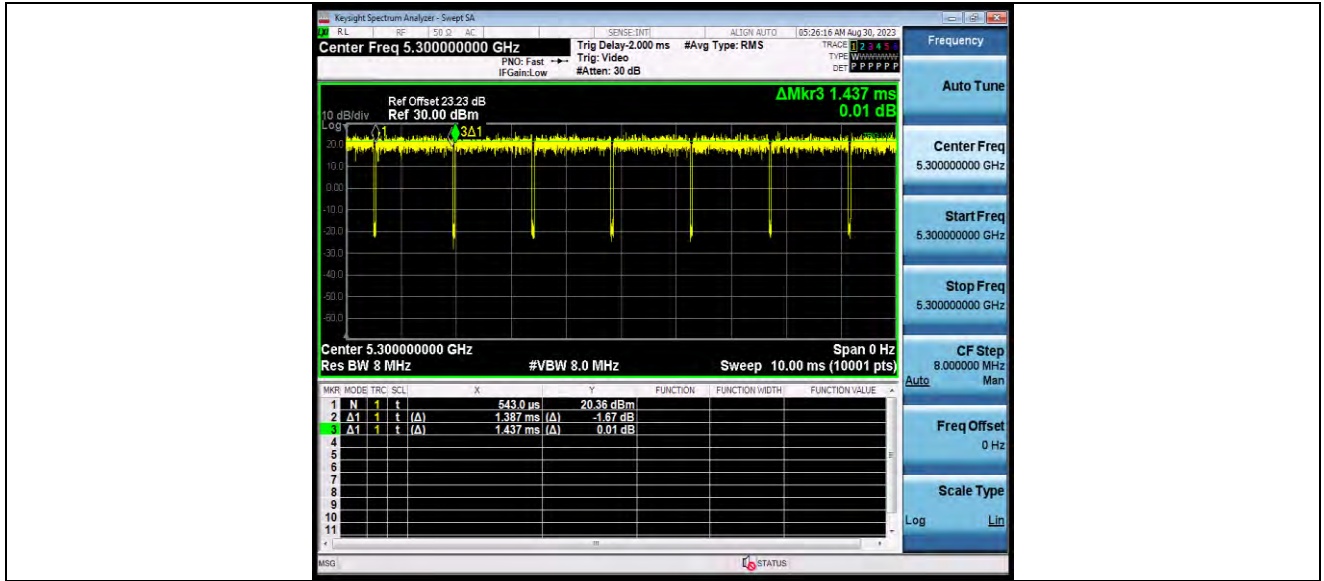


11A_Ant1_5300

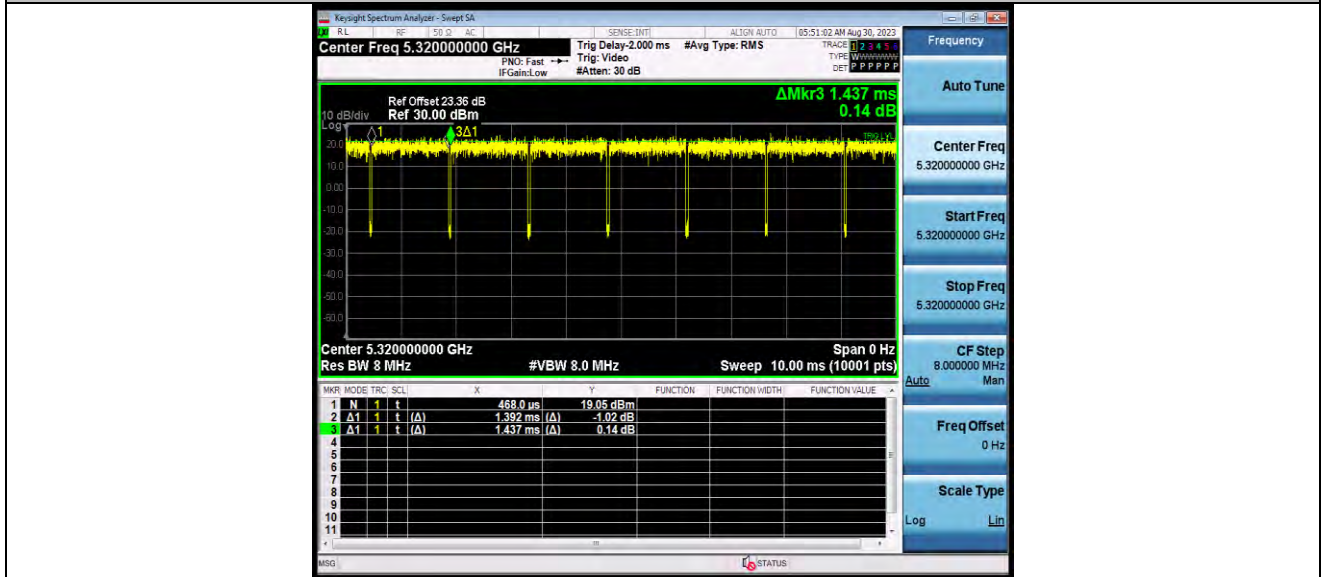


**BUREAU
VERITAS**

Test Report No.: W7L-P23080017RF03



11A_Ant1_5320

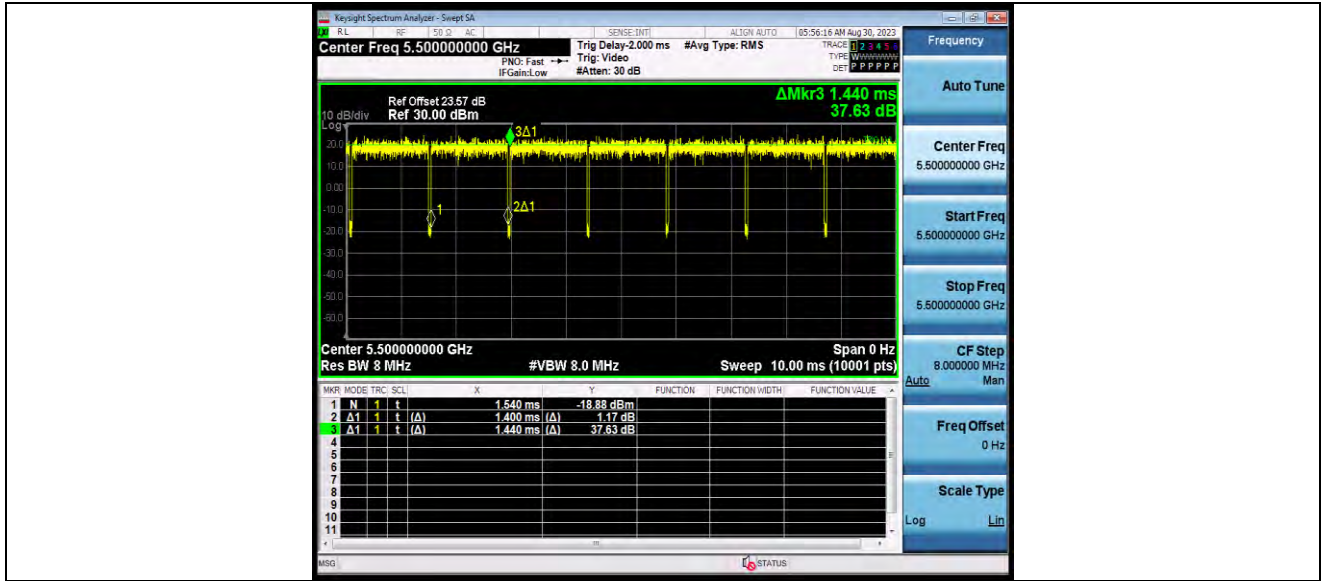


11A_Ant1_5500

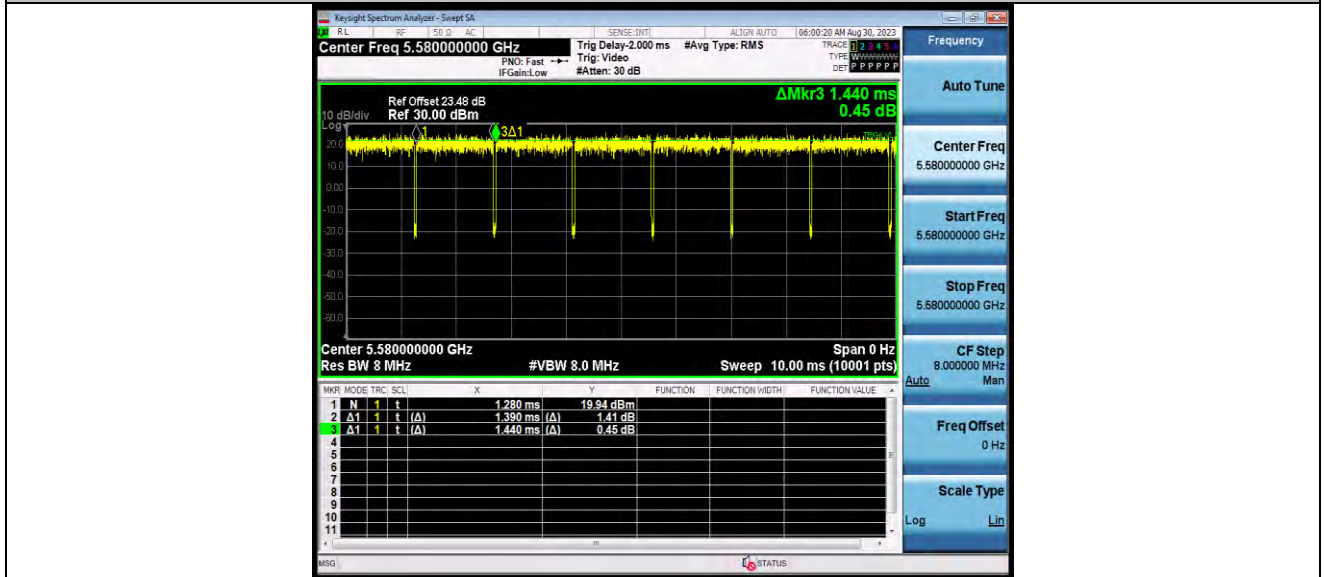


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11A_Ant1_5580

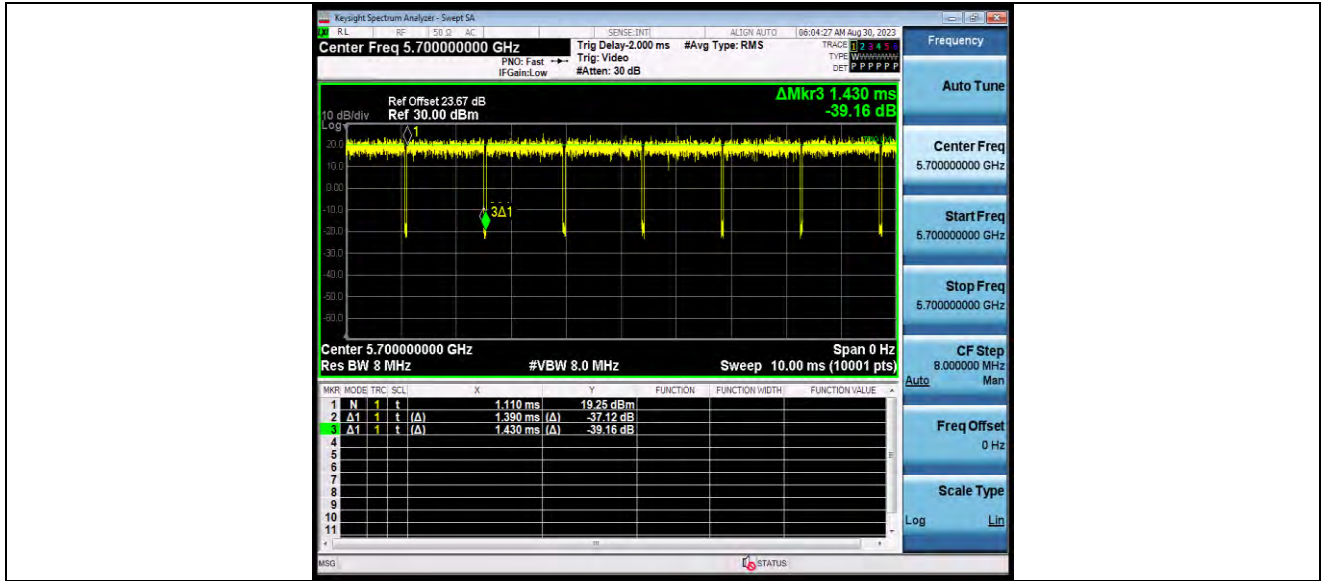


11A_Ant1_5700

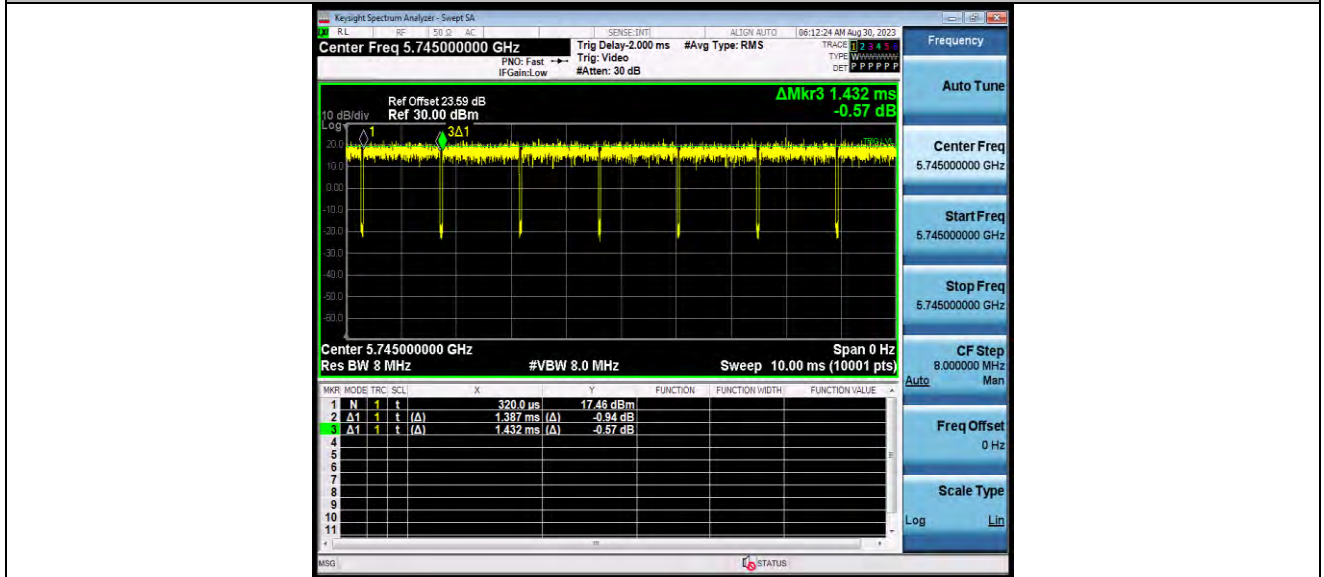


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11A_Ant1_5745

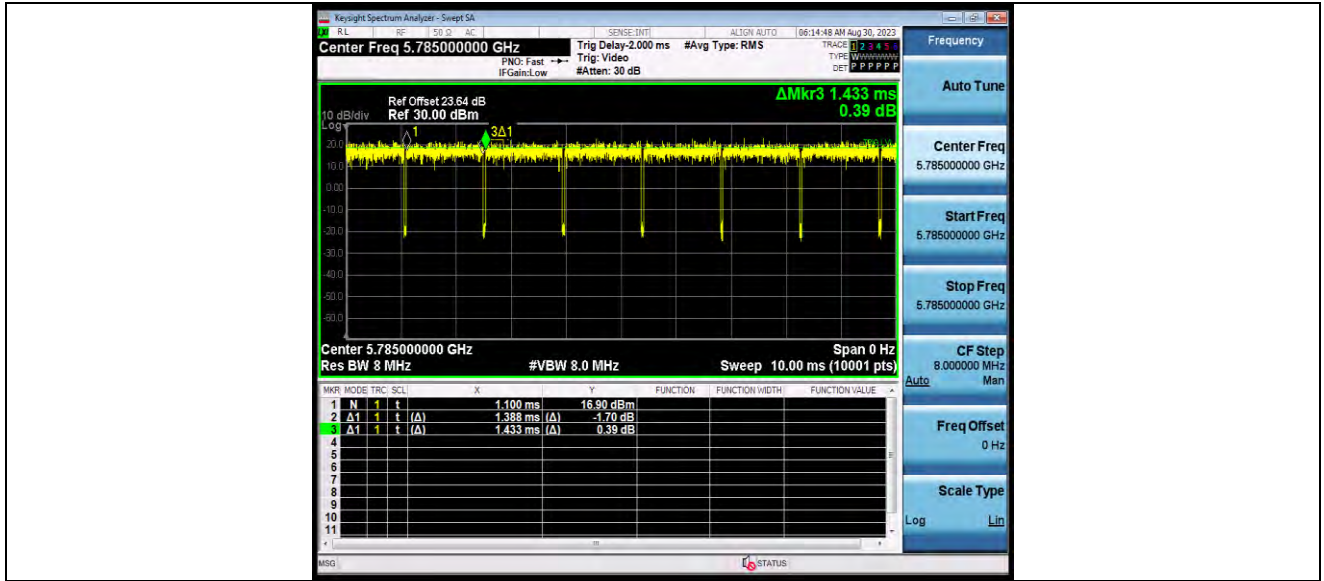


11A_Ant1_5785

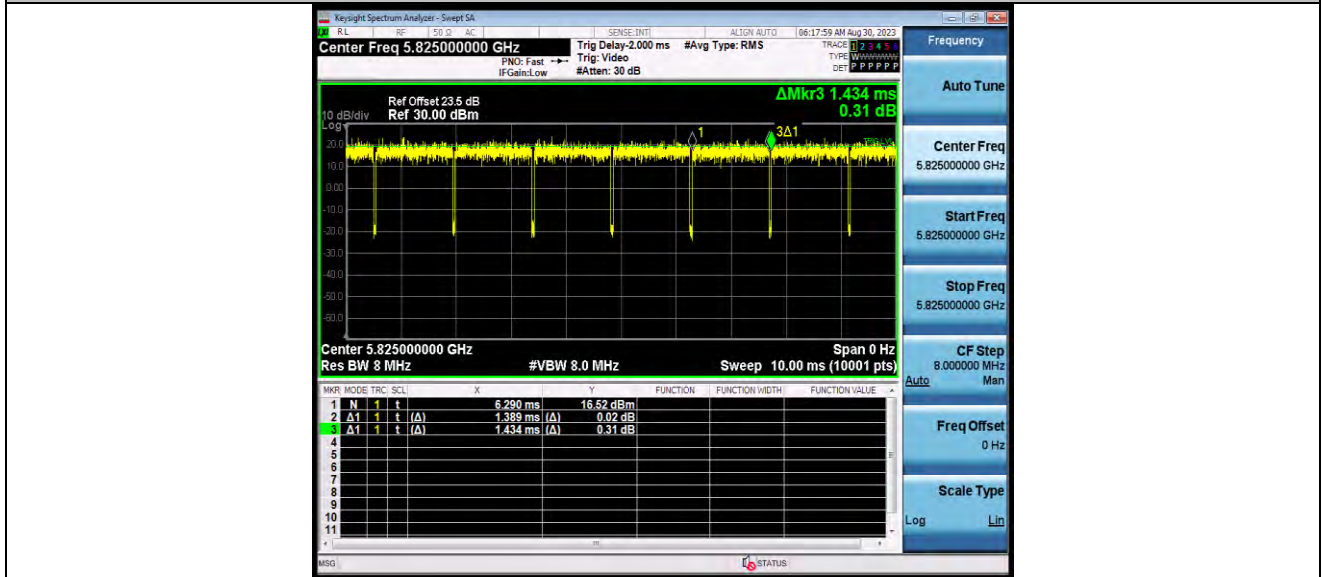


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11A_Ant1_5825

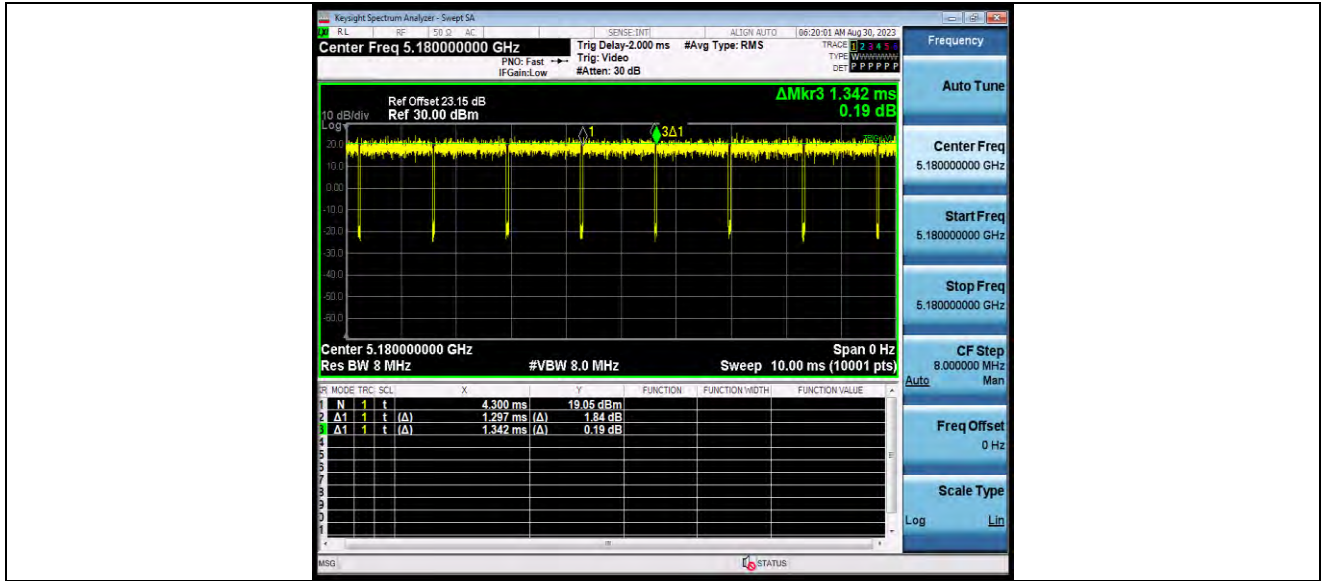


11N20SISO_Ant1_5180

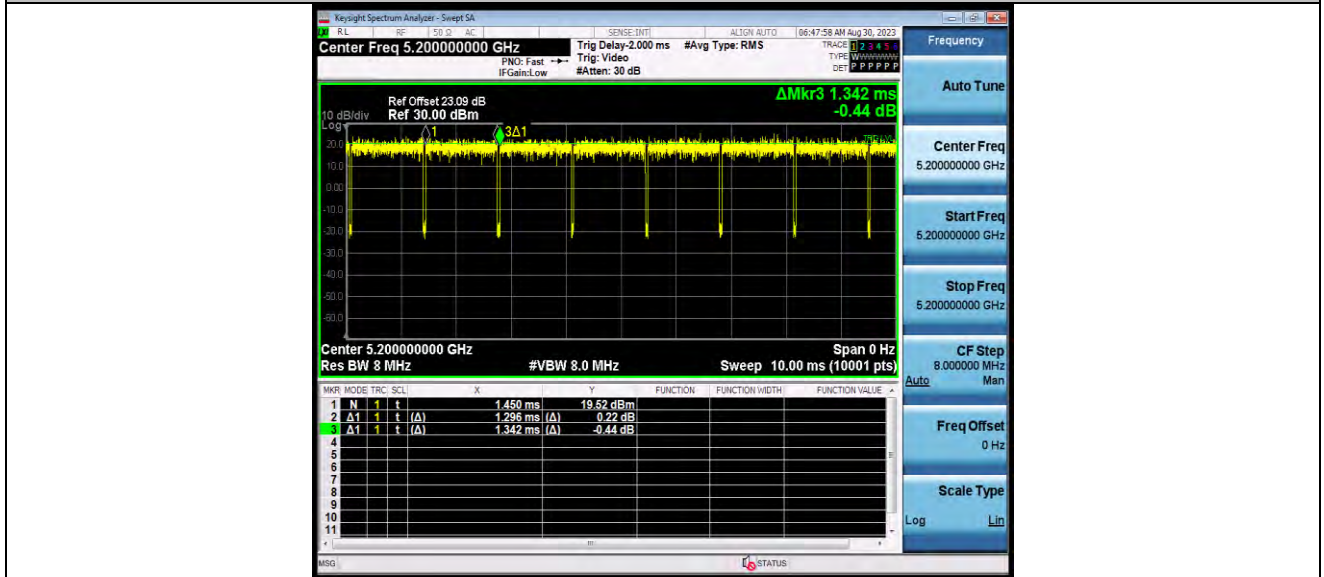


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5200

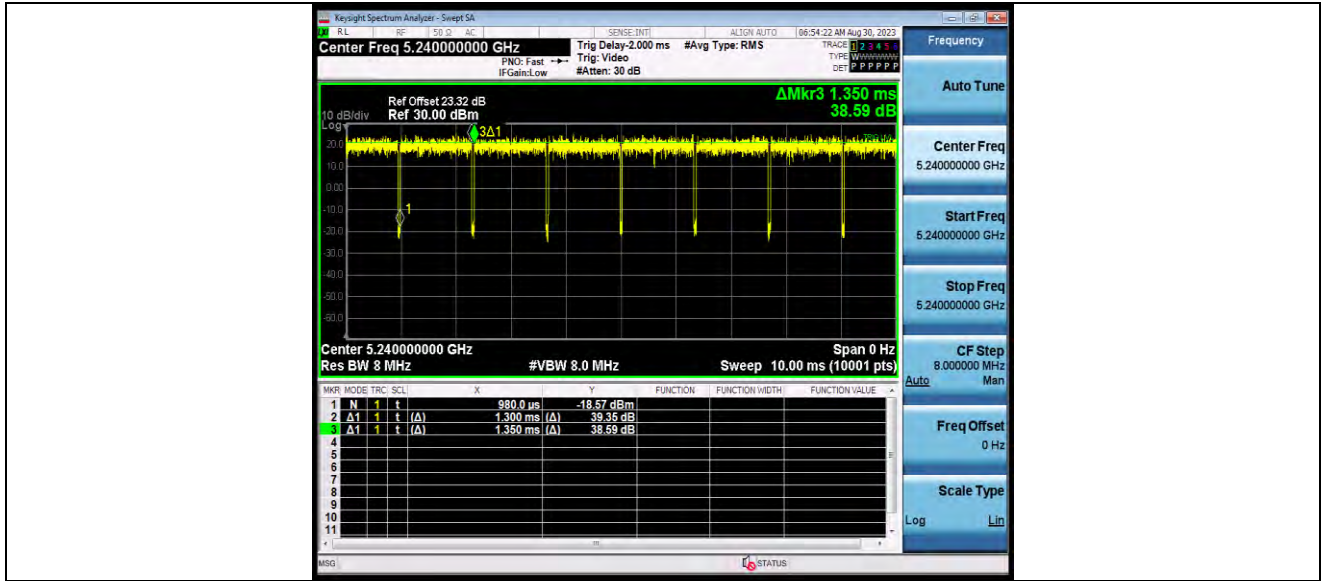


11N20SISO_Ant1_5240

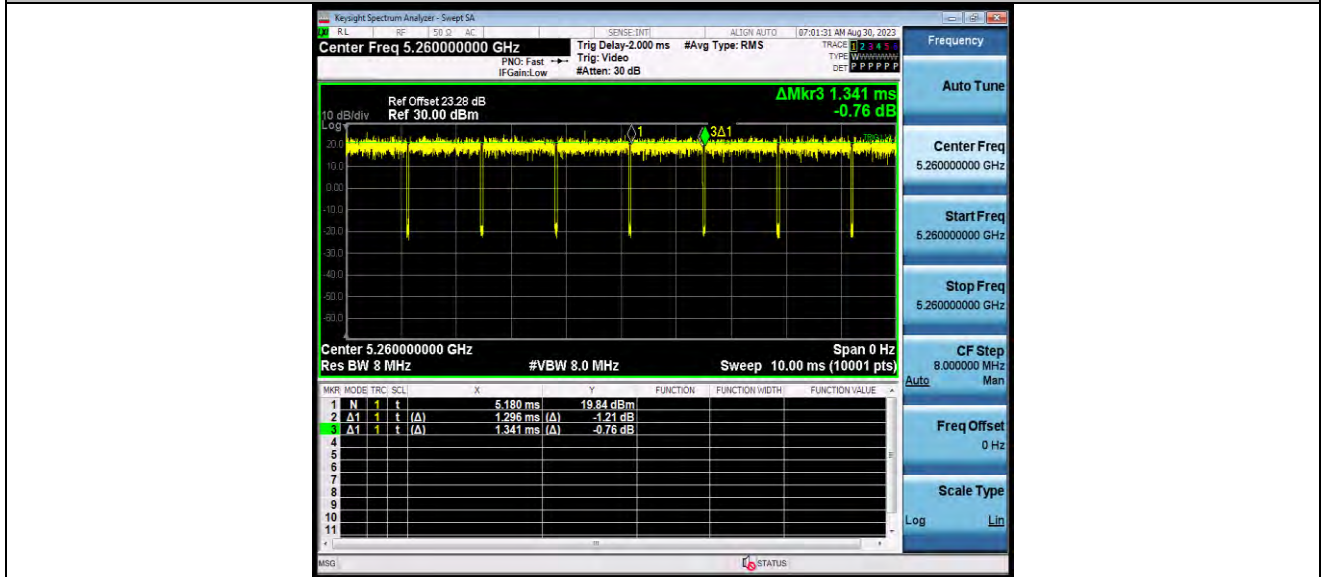


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5260

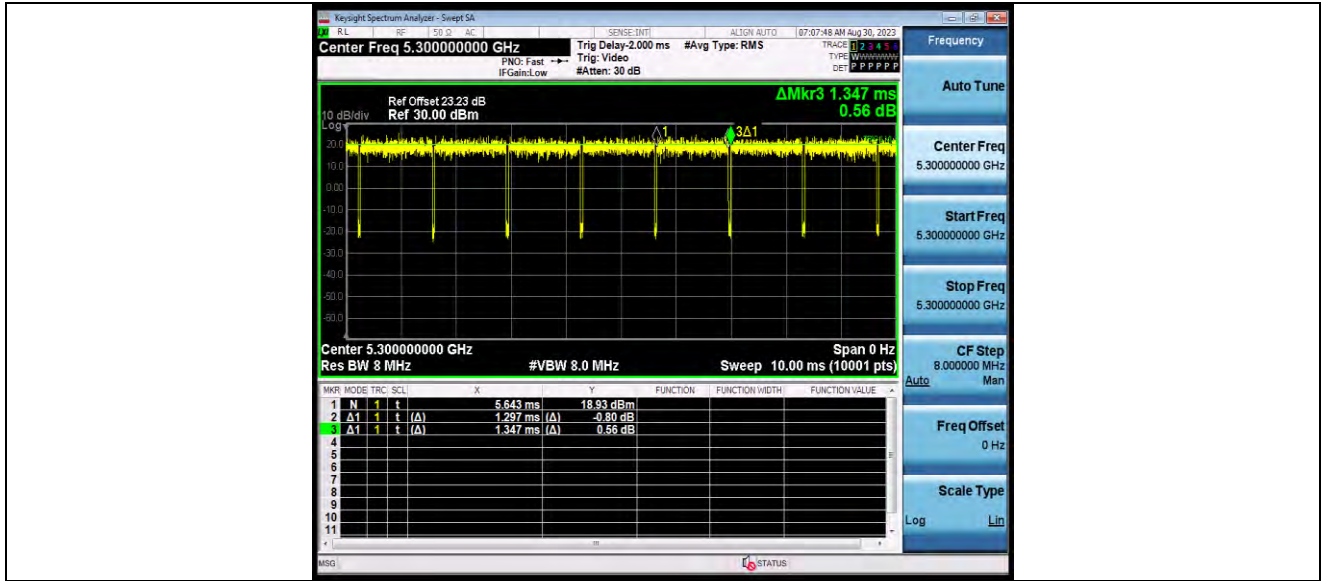


11N20SISO_Ant1_5300

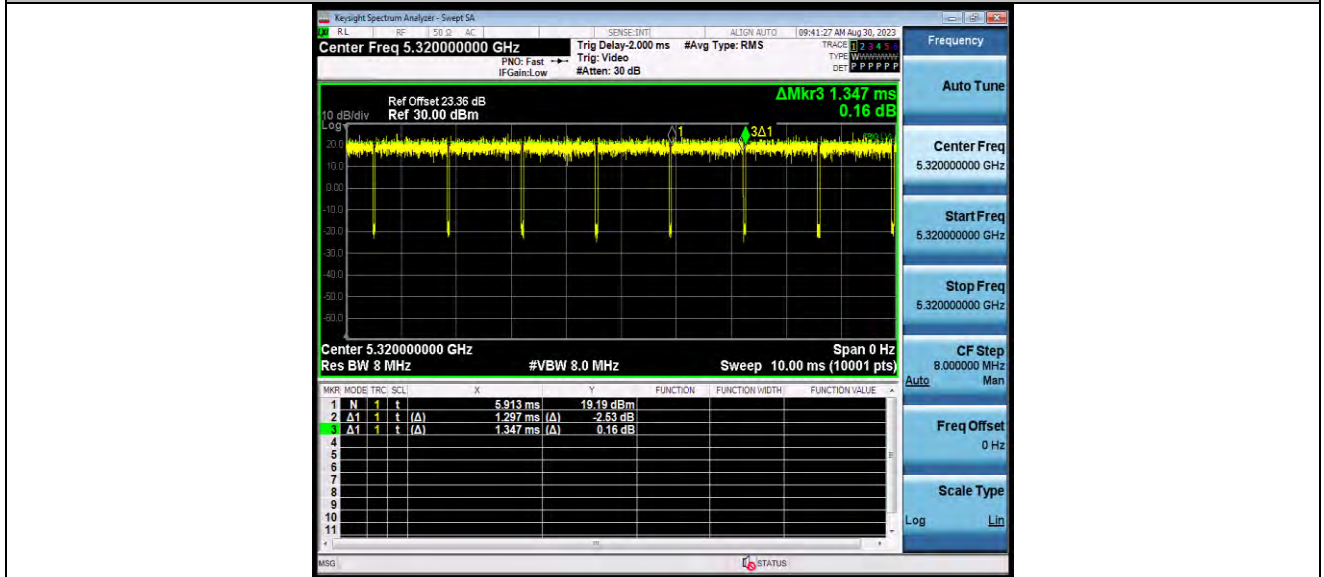


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5320

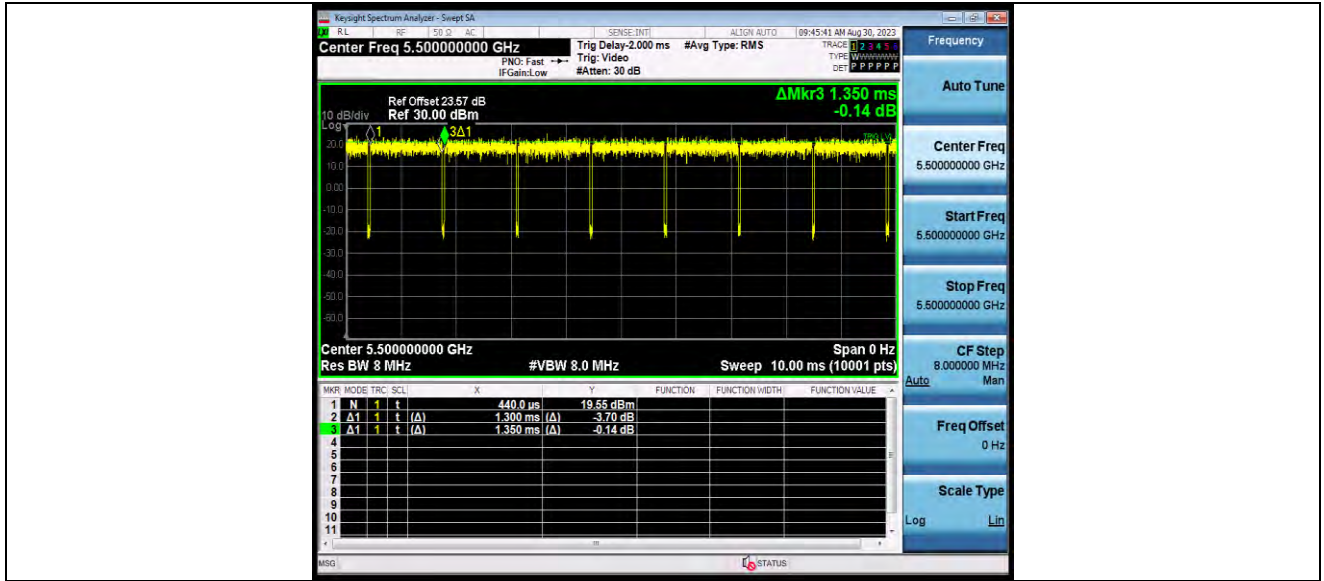


11N20SISO_Ant1_5500

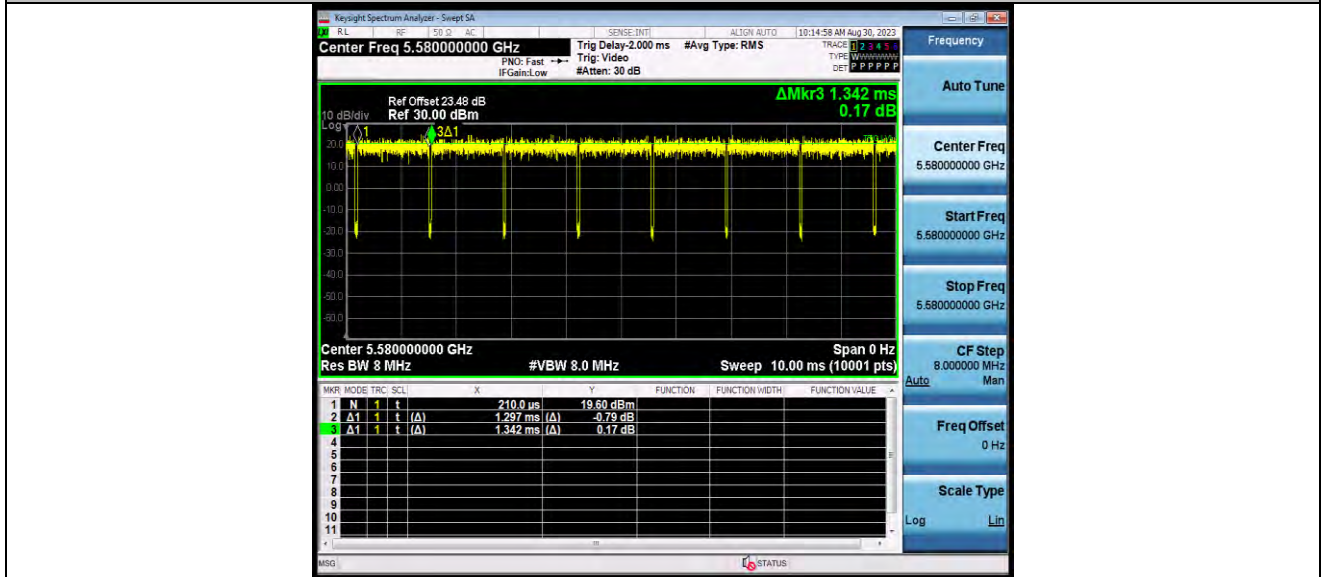


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5580

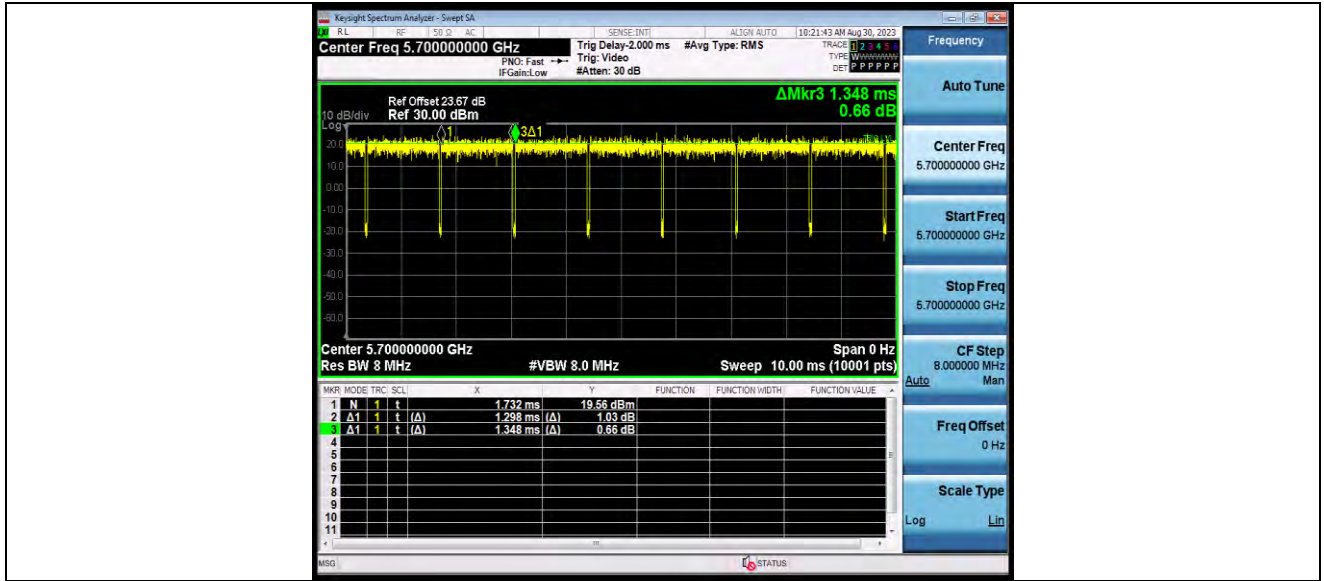


11N20SISO_Ant1_5700

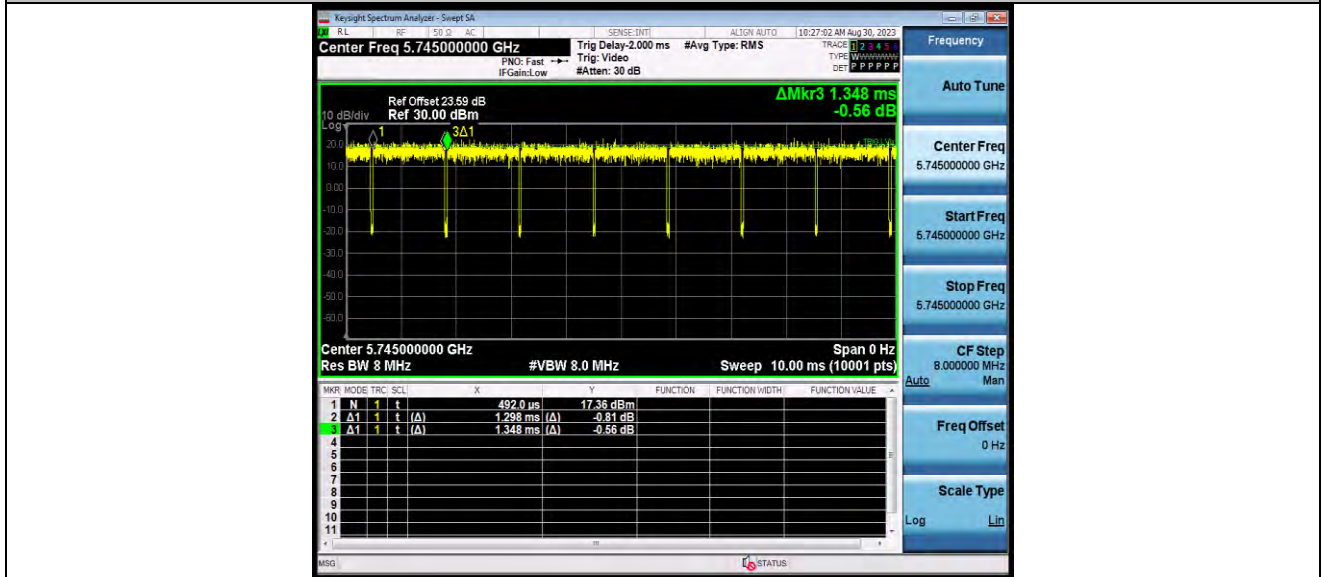


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5745

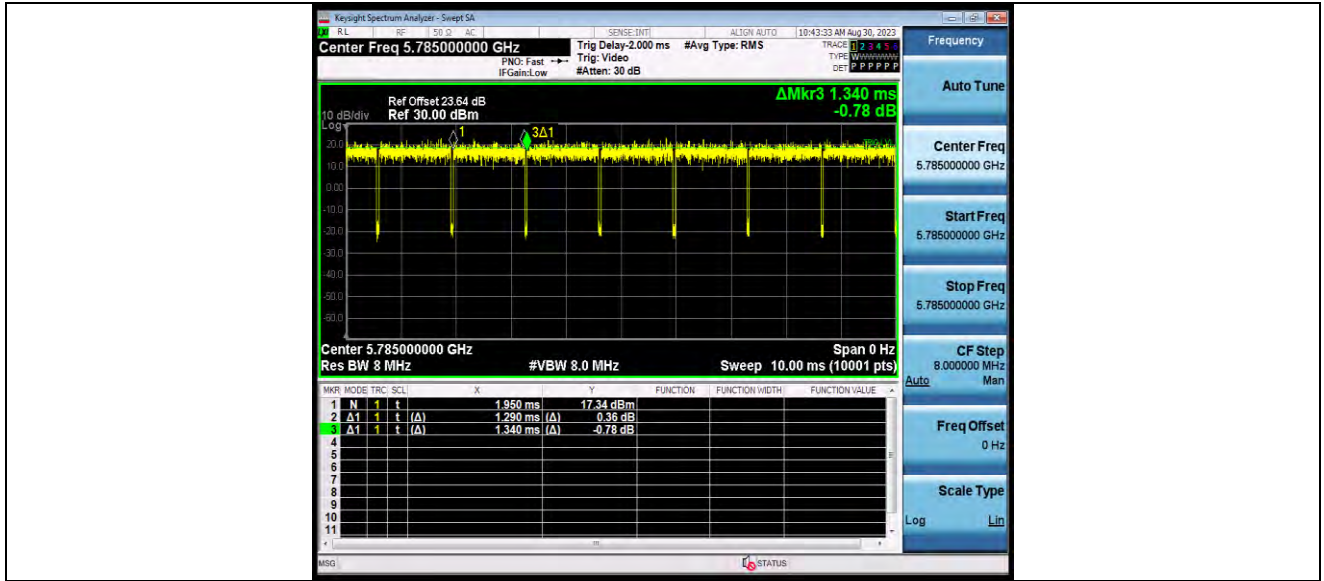


11N20SISO_Ant1_5785

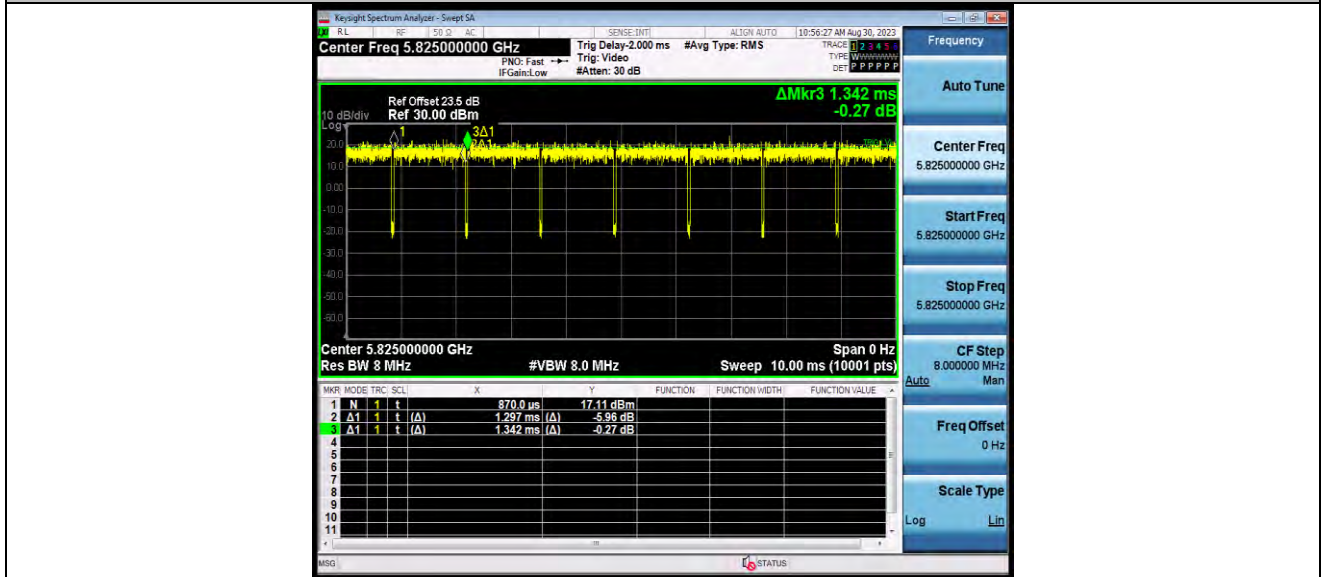


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5825

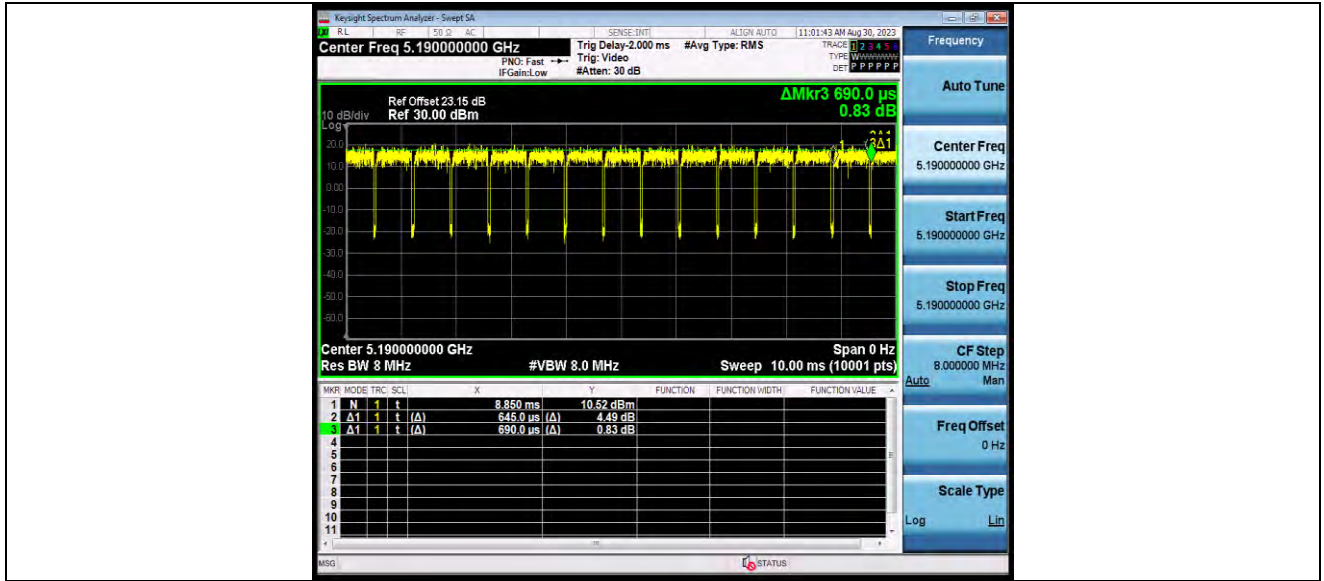


11N40SISO_Ant1_5190

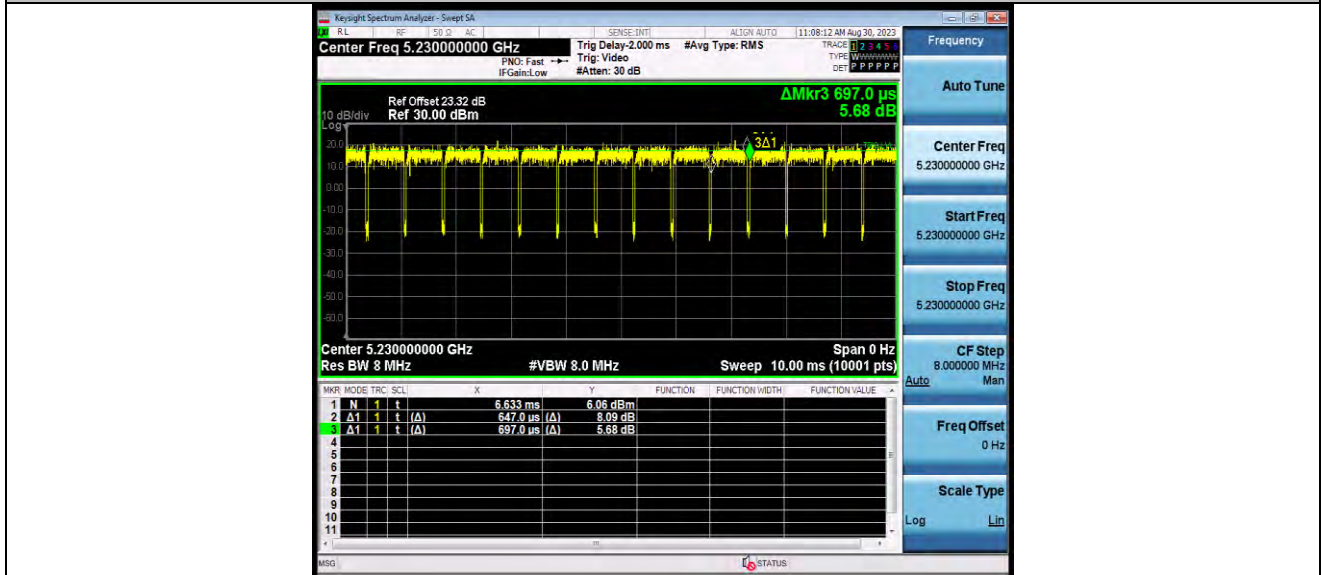


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5230

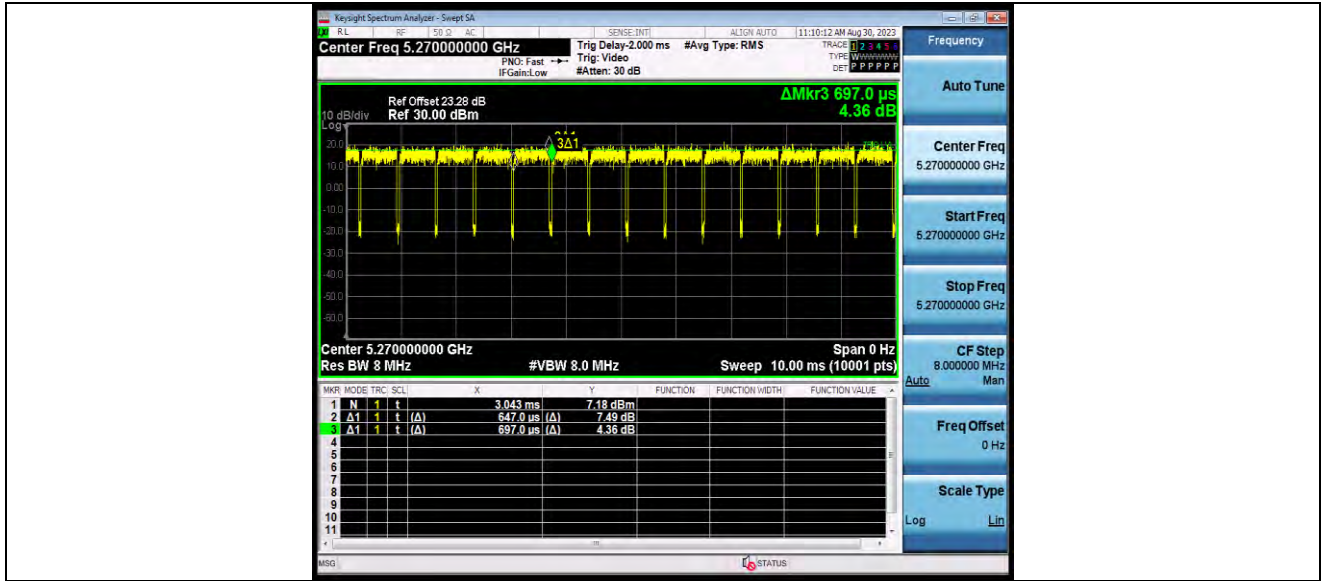


11N40SISO_Ant1_5270

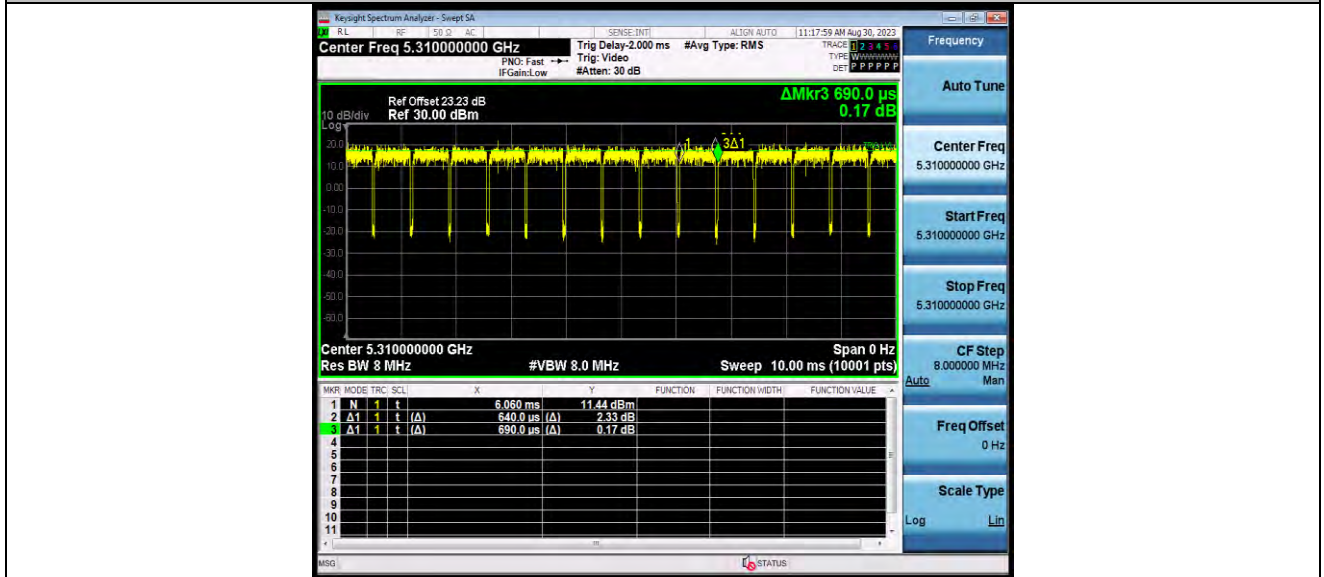


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5310

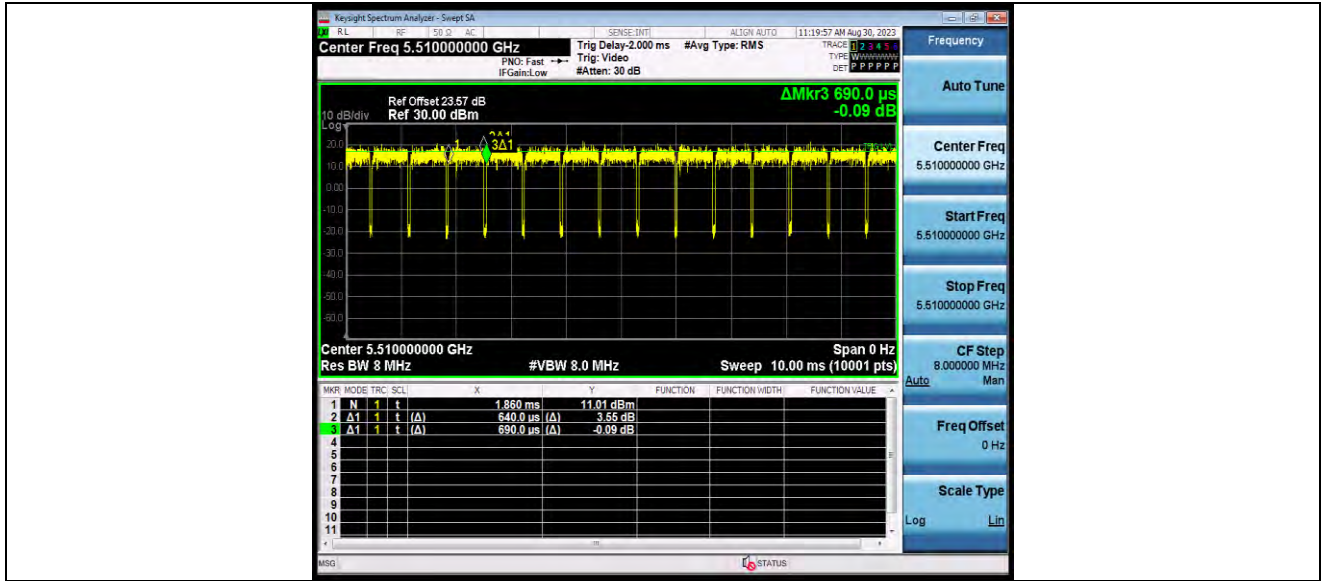


11N40SISO_Ant1_5510

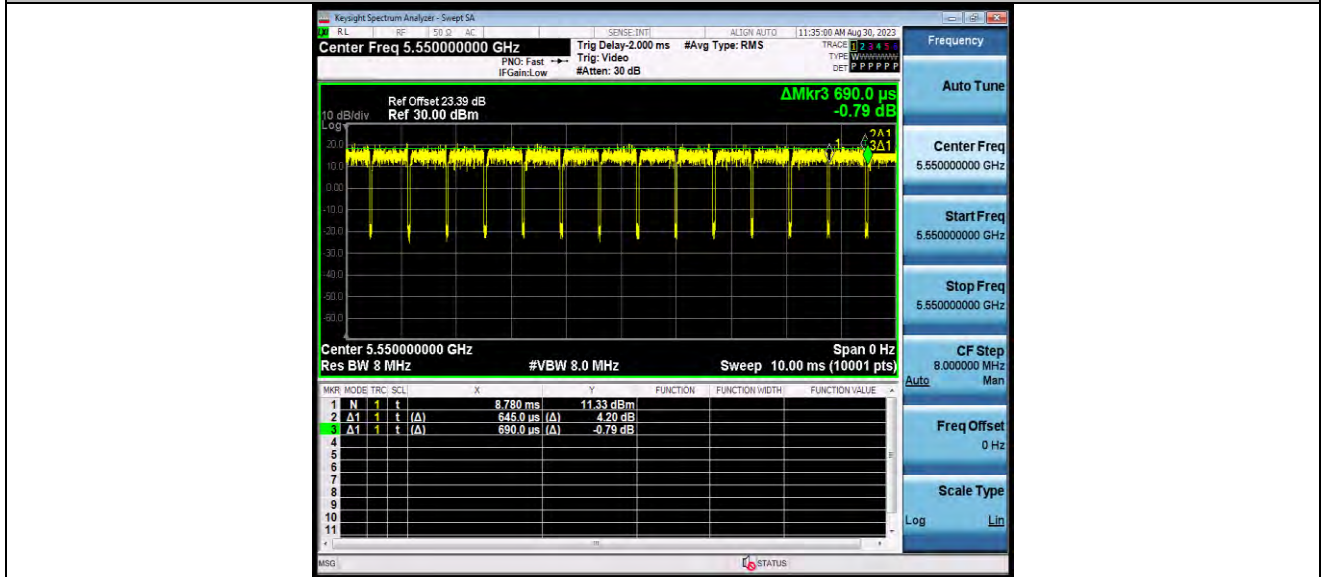


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5550

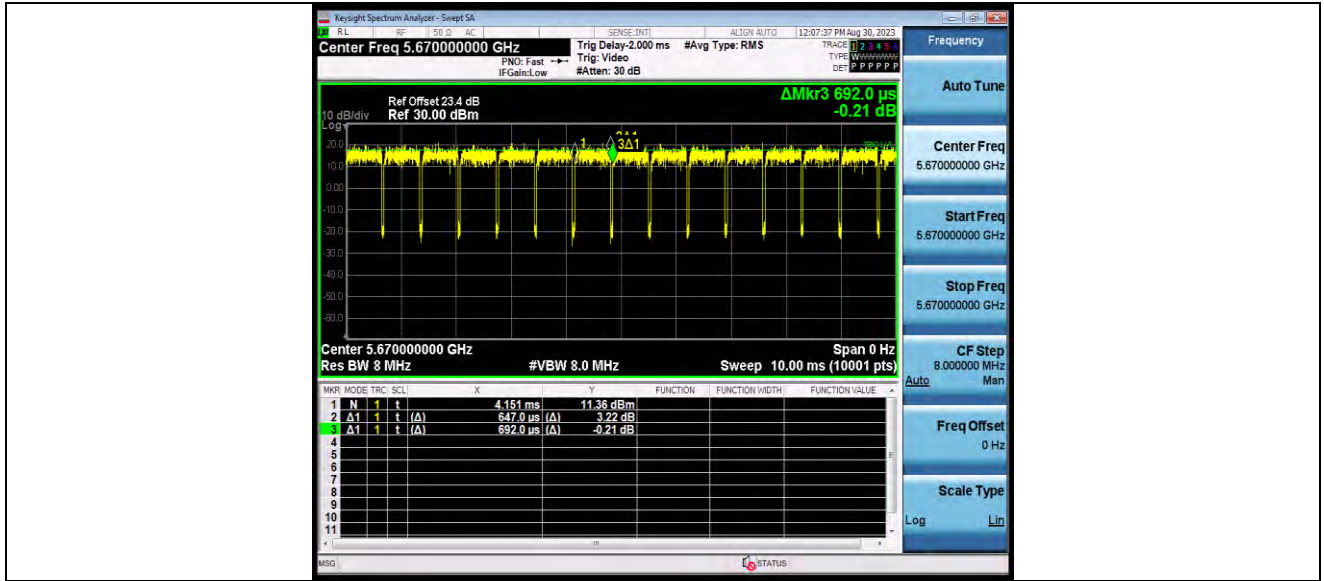


11N40SISO_Ant1_5670

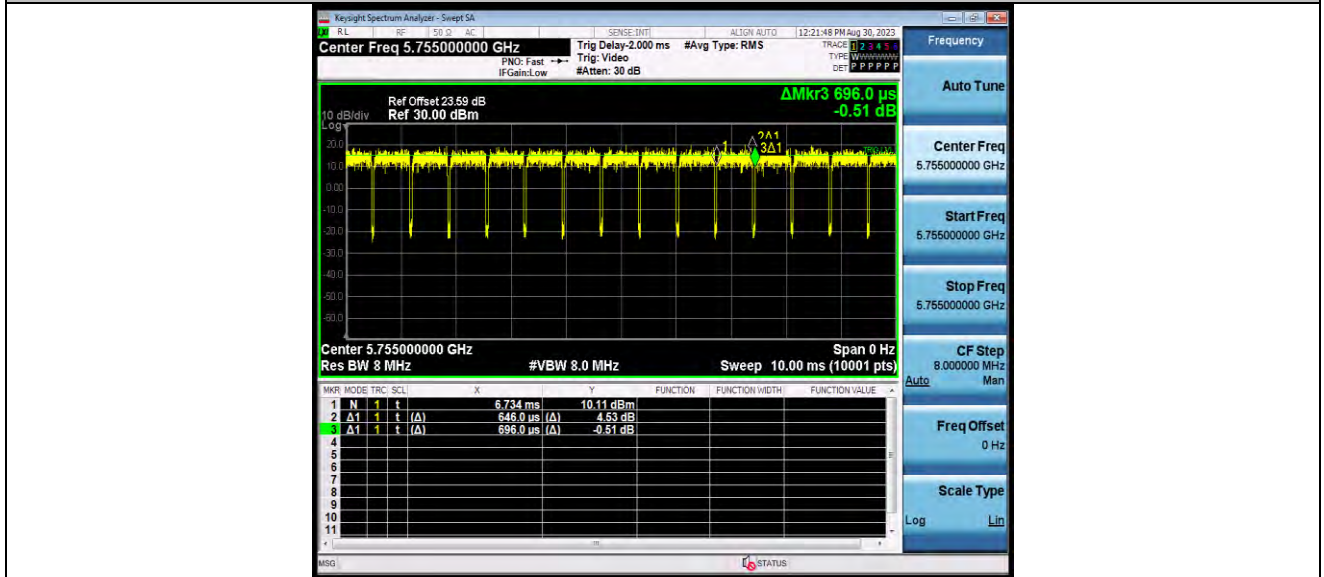


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5755

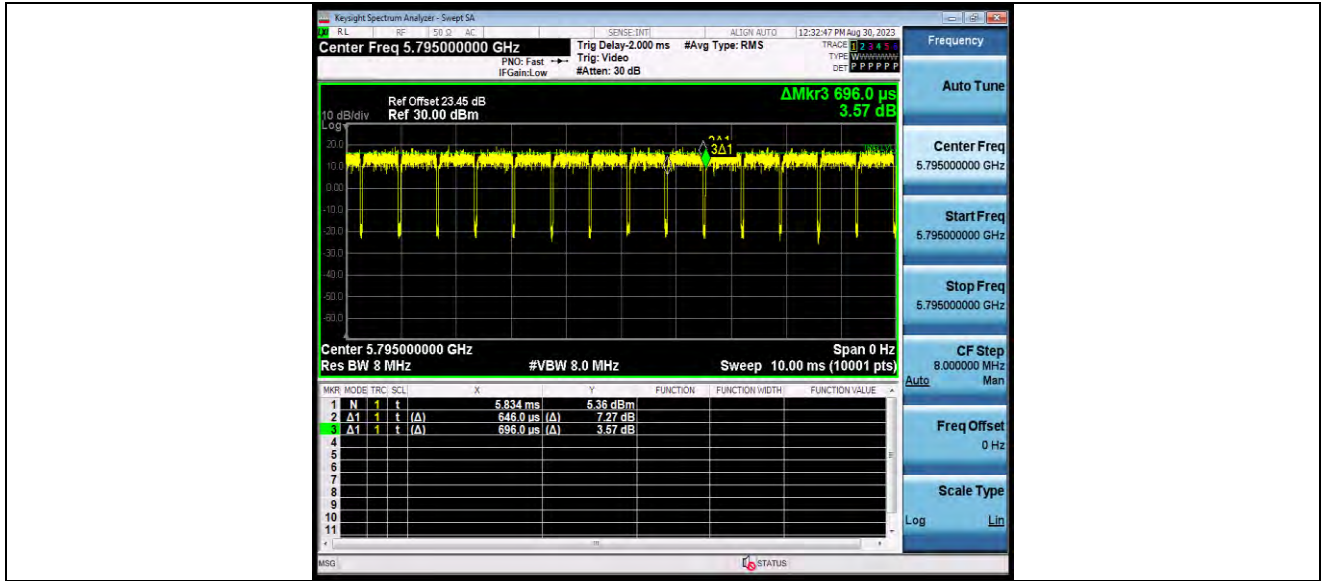


11N40SISO_Ant1_5795

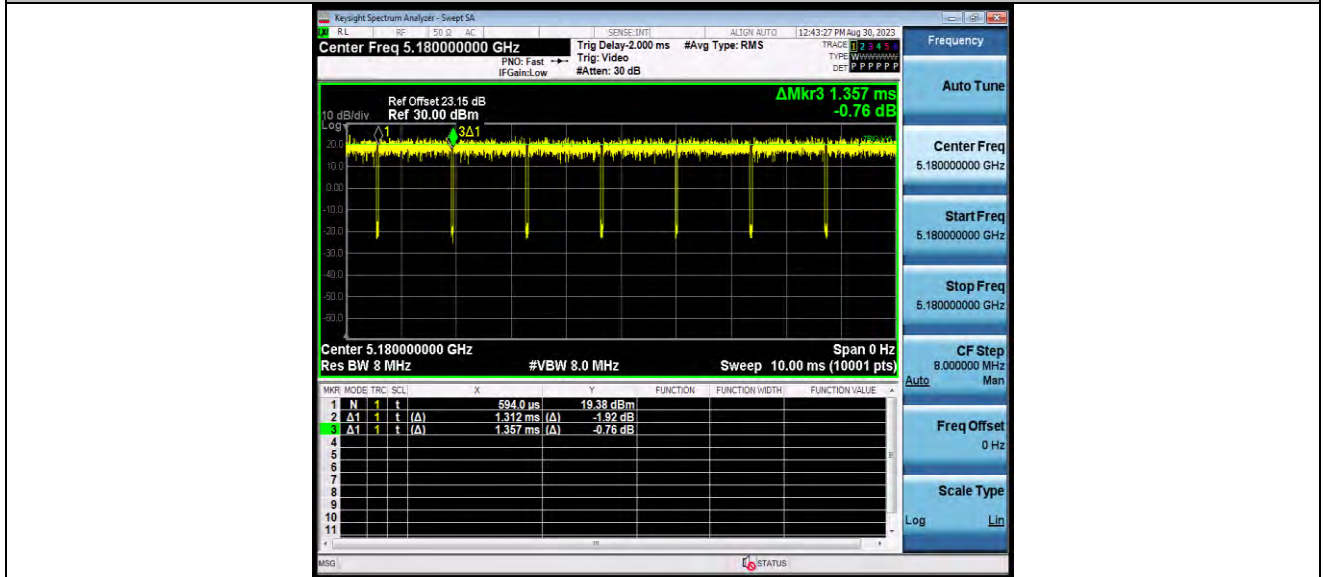


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5180

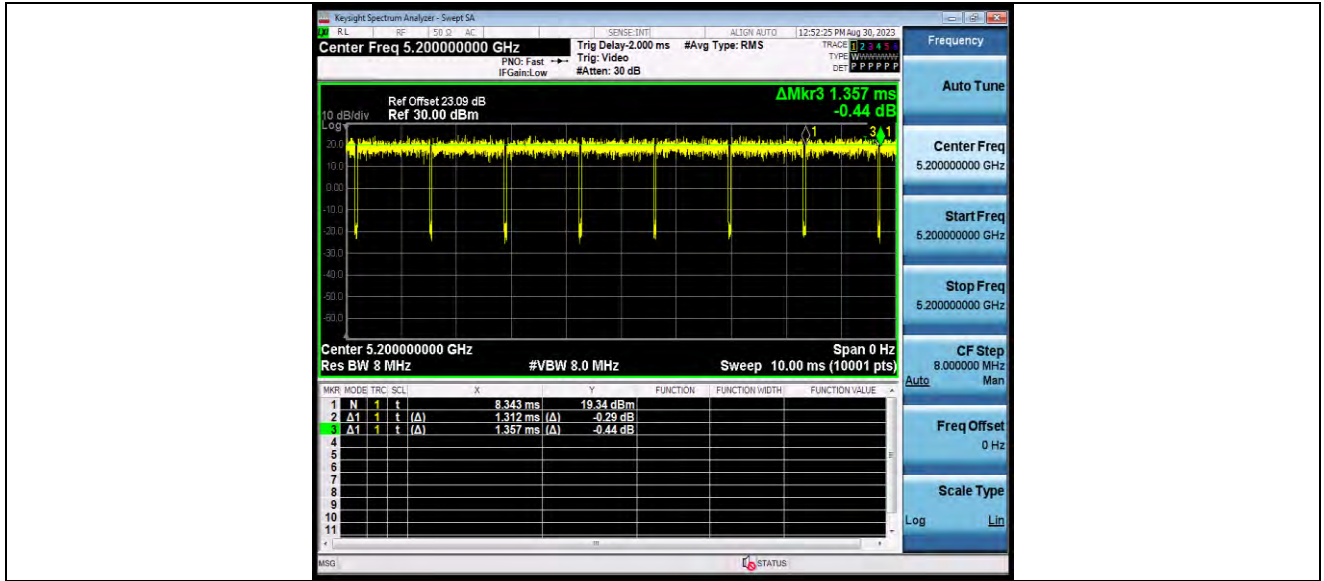


11AC20SISO_Ant1_5200

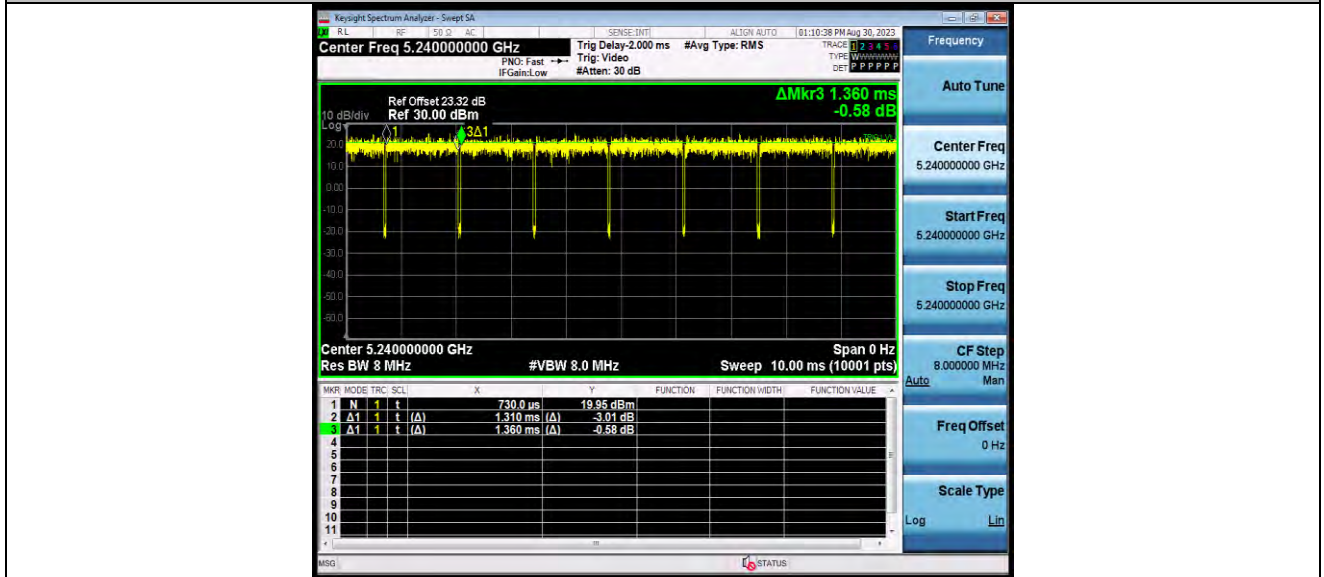


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5240

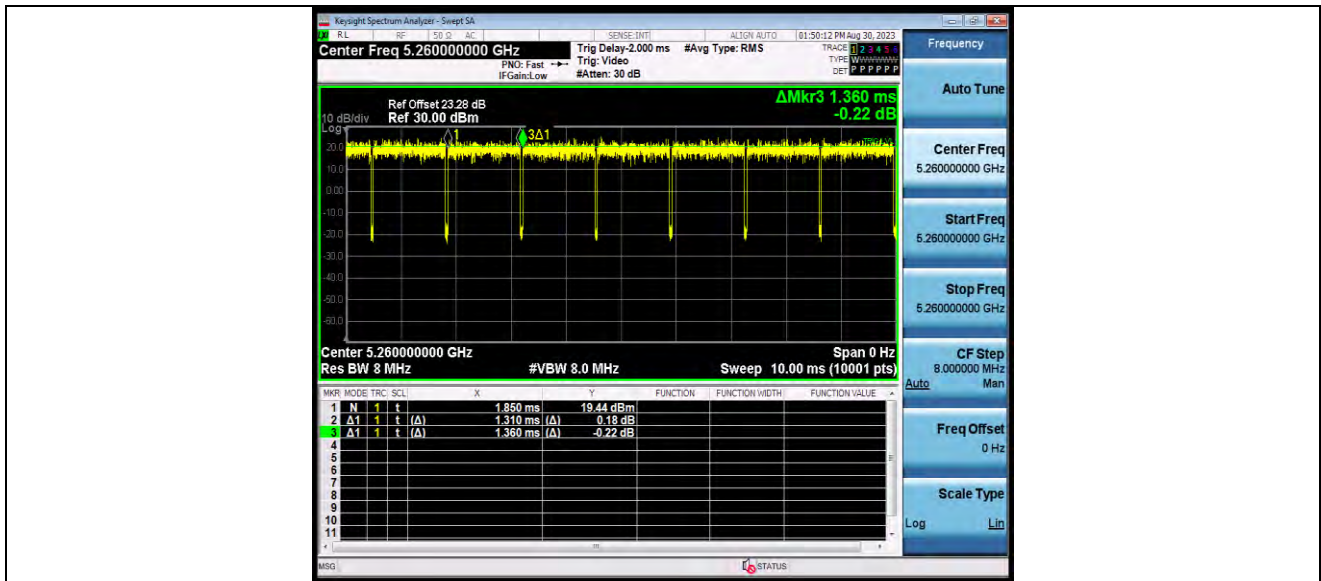


11AC20SISO_Ant1_5260

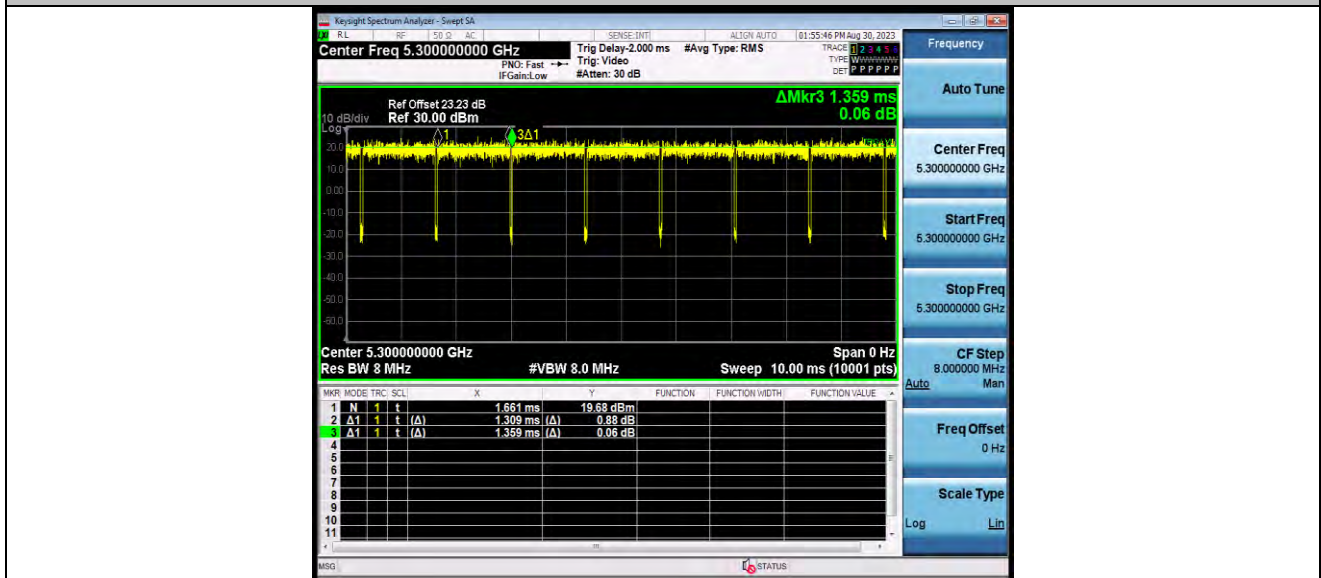


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5300

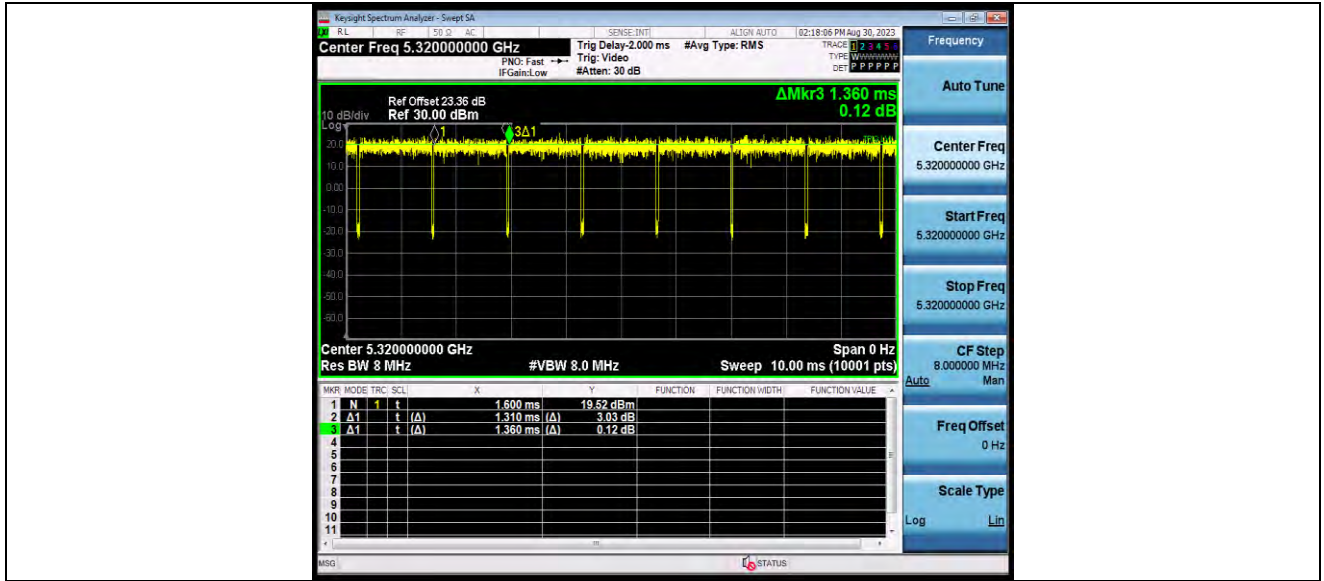


11AC20SISO_Ant1_5320

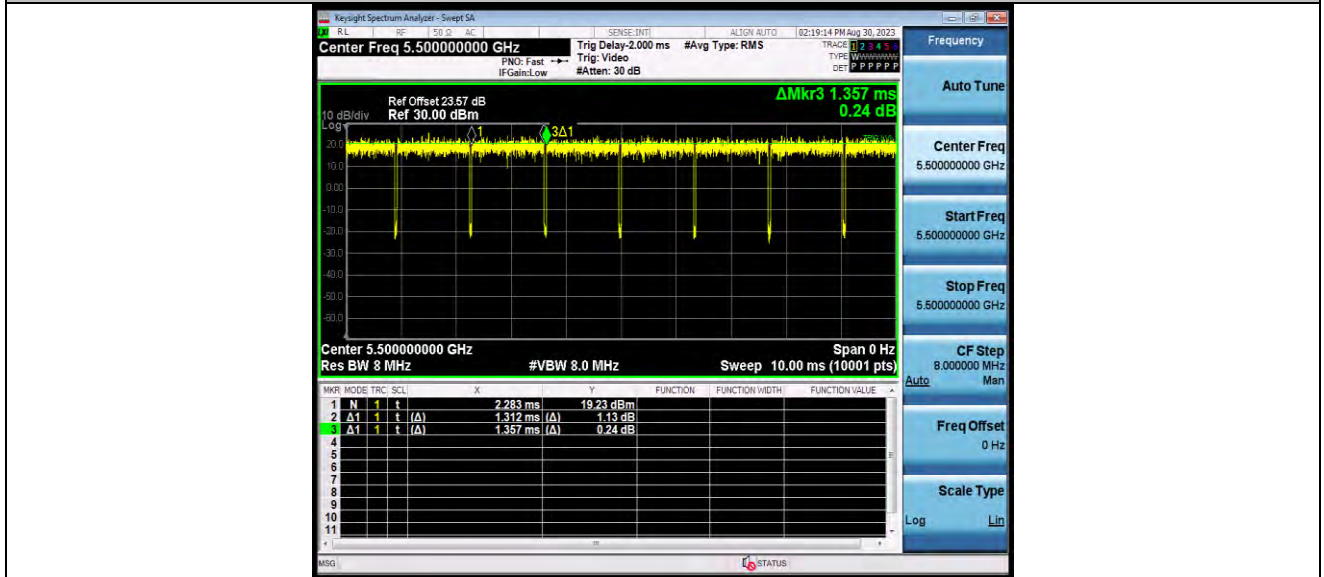


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20ISO_Ant1_5500

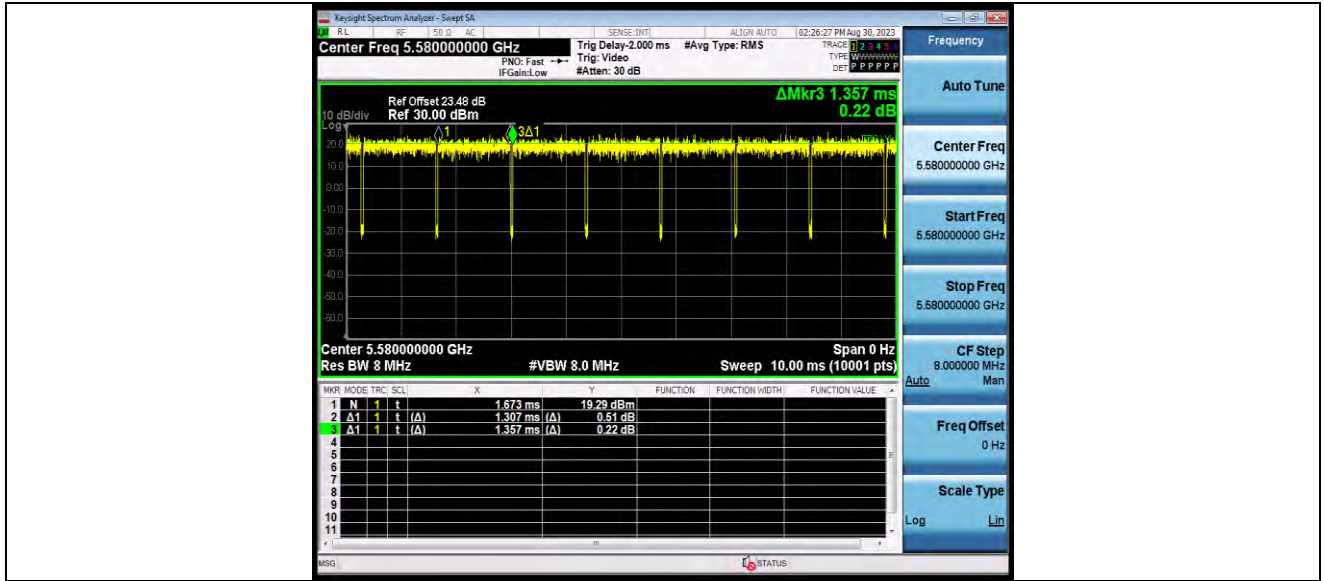


11AC20ISO_Ant1_5580

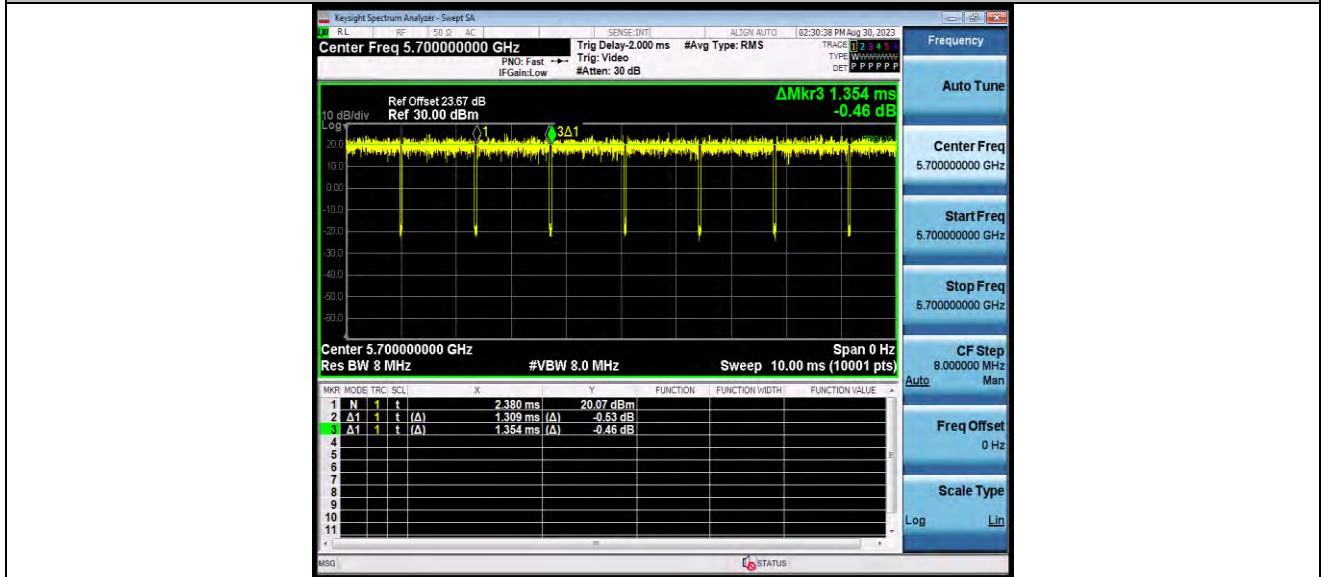


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5700

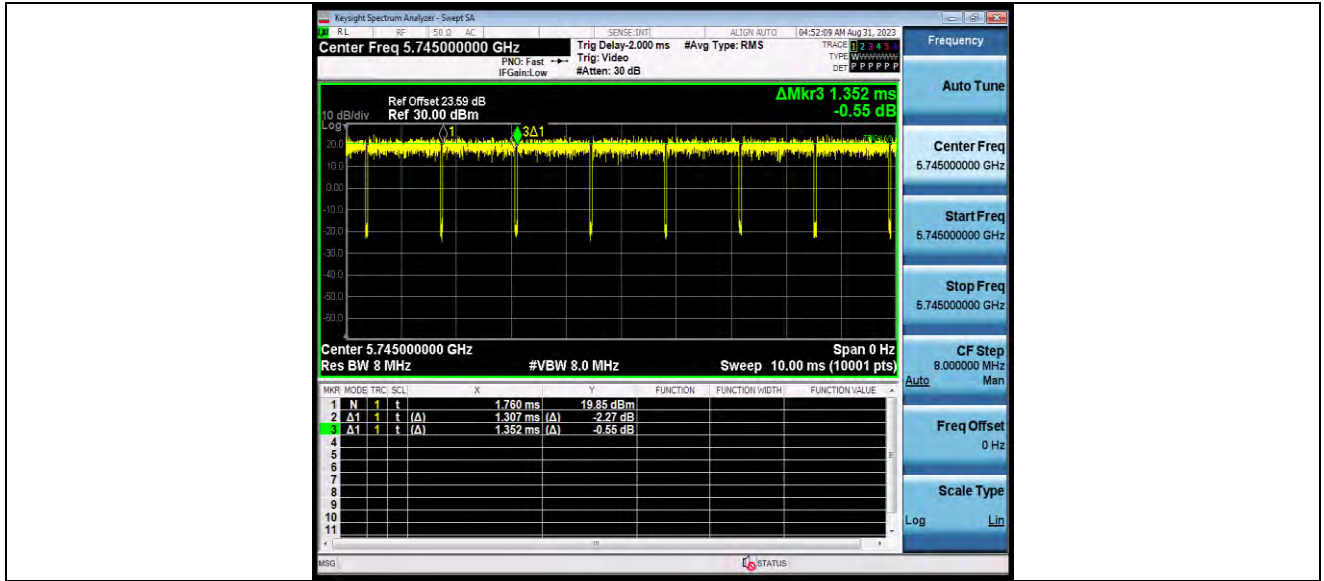


11AC20SISO_Ant1_5745

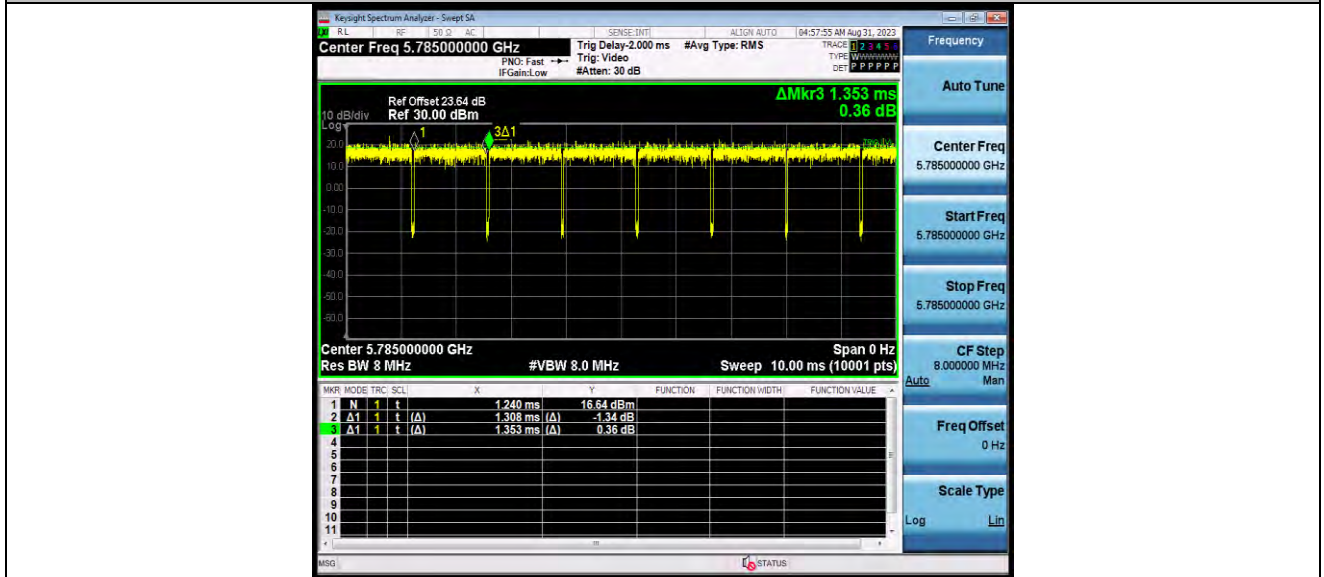


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5785

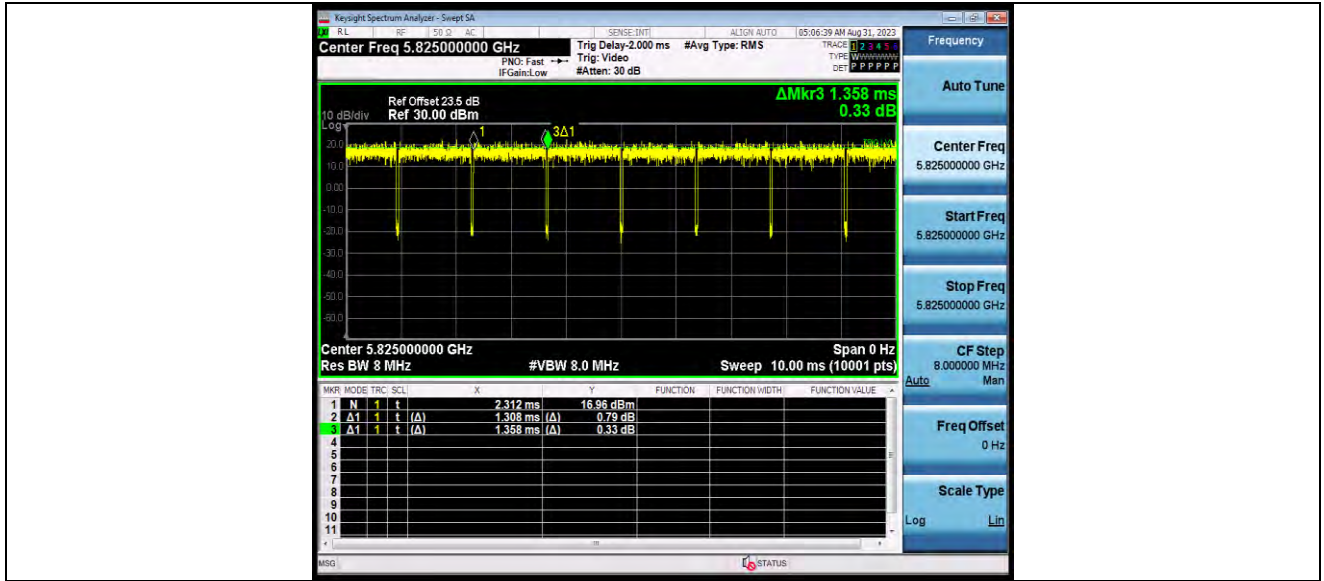


11AC20SISO_Ant1_5825

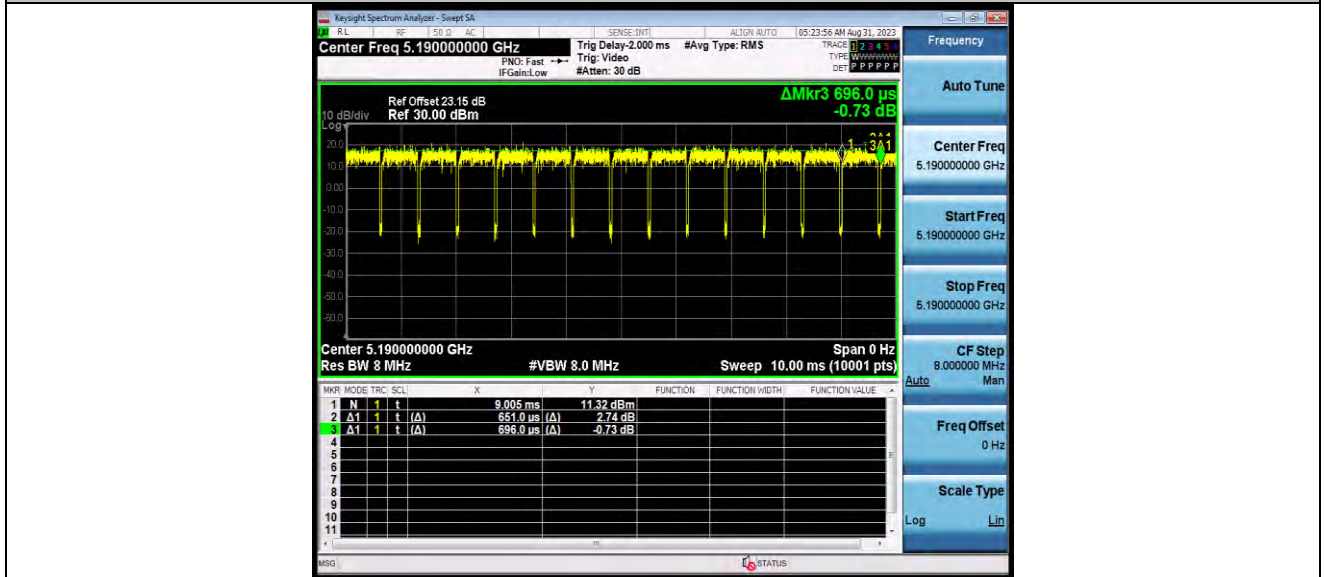


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5190

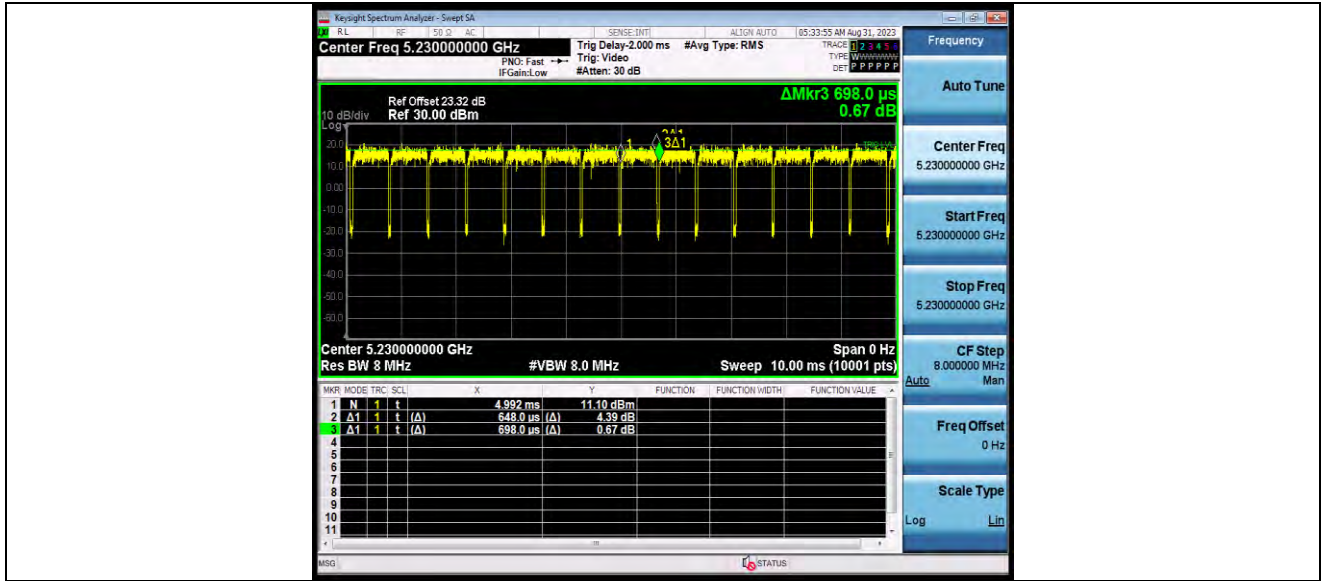


11AC40SISO_Ant1_5230

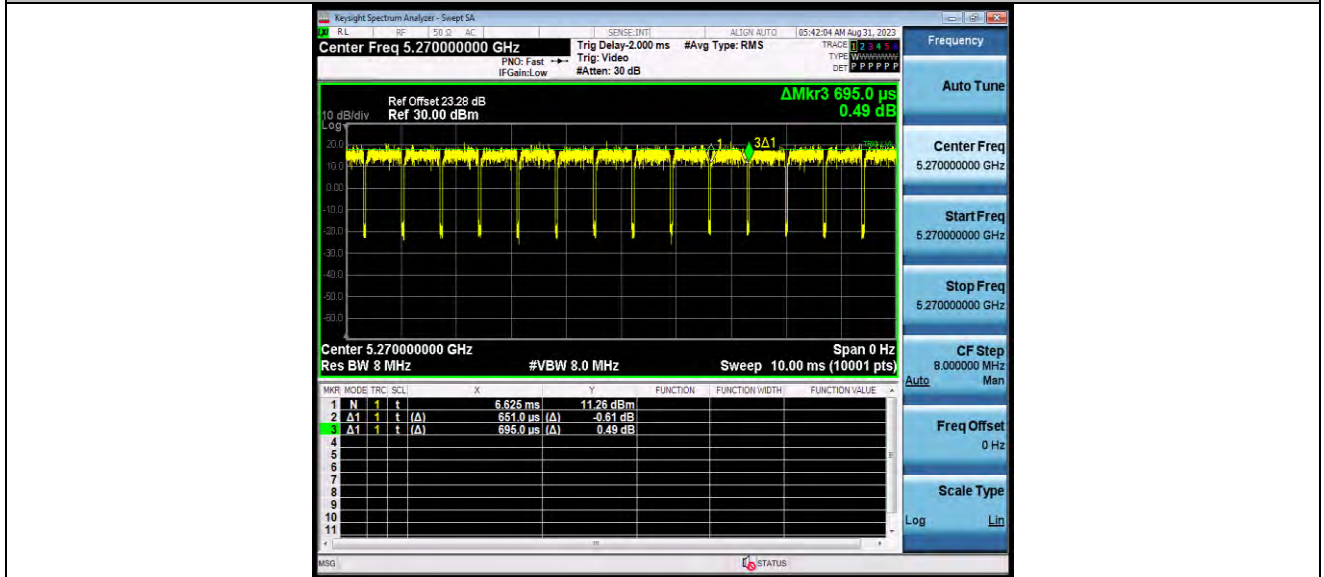


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5270

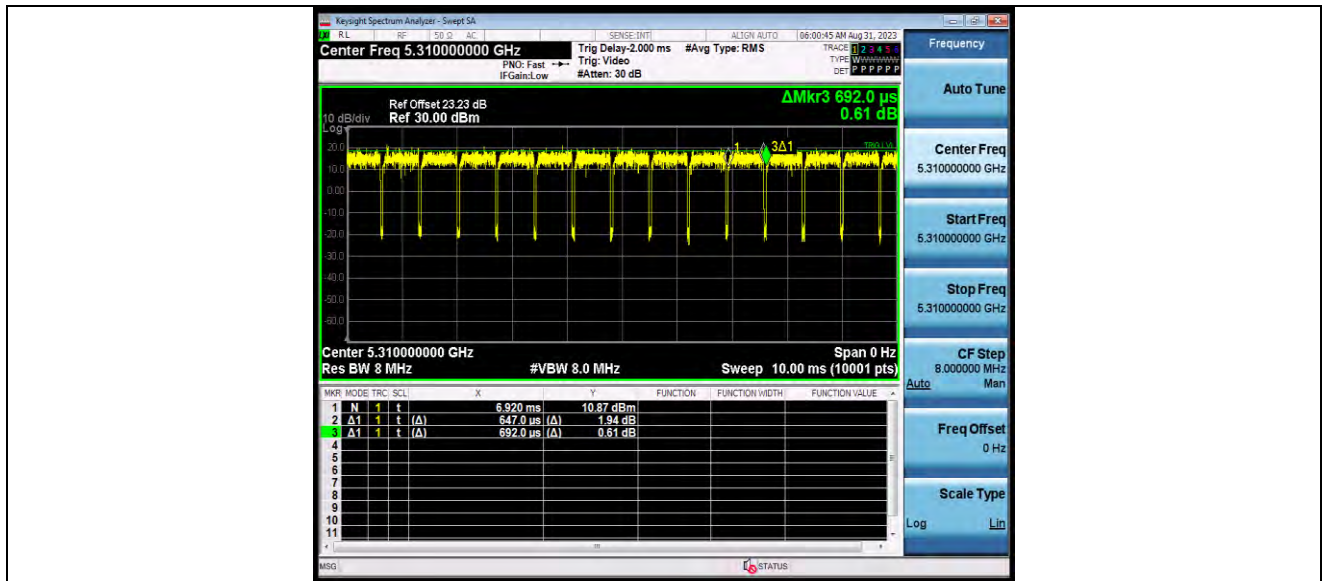


11AC40SISO_Ant1_5310

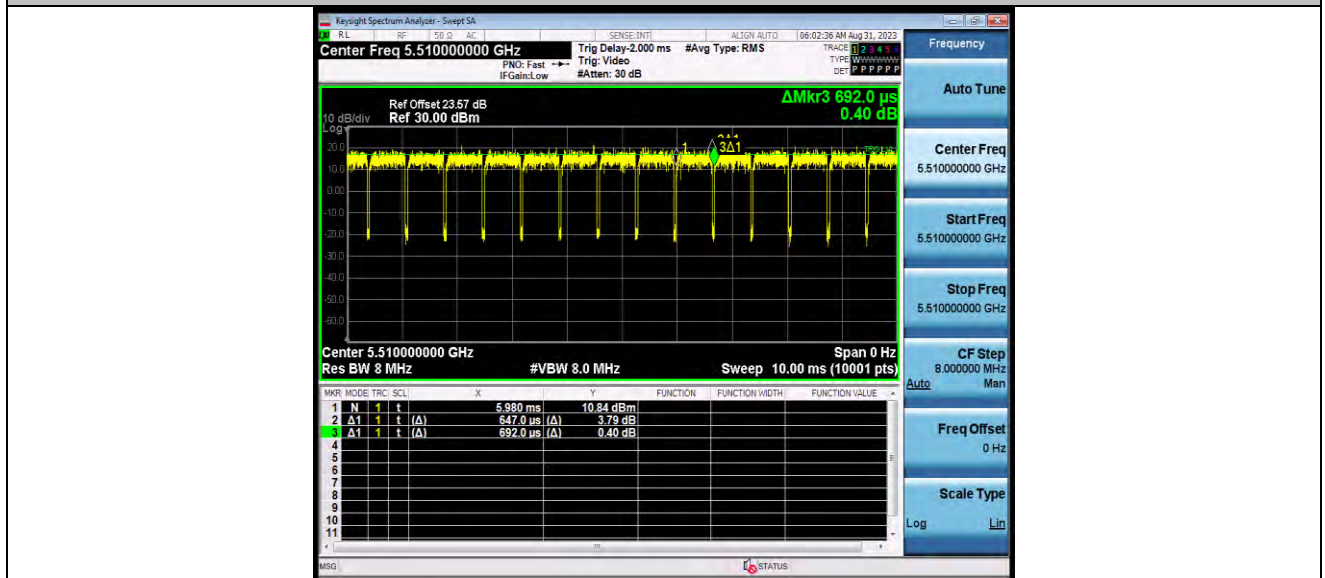


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5510

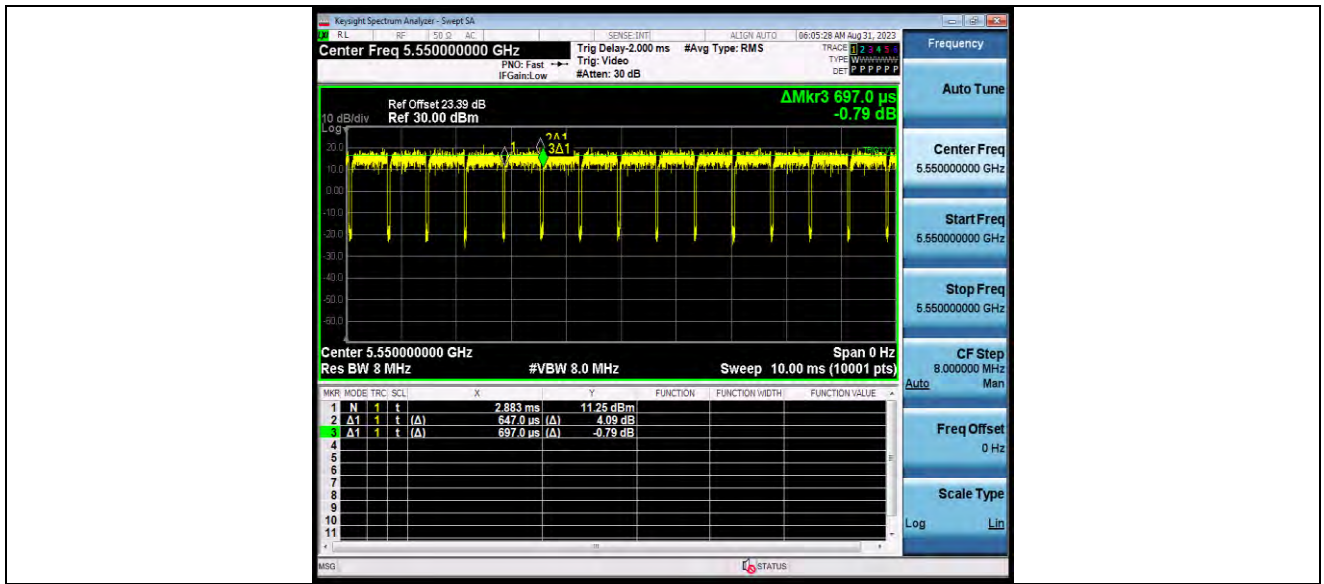


11AC40SISO_Ant1_5550

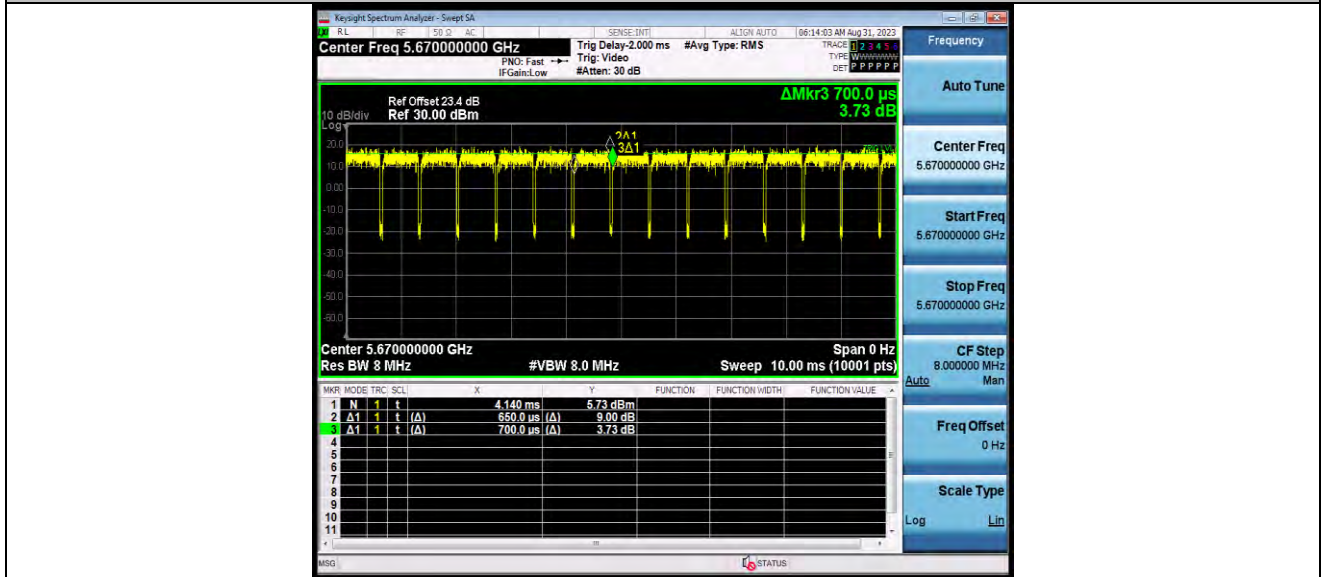


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5670

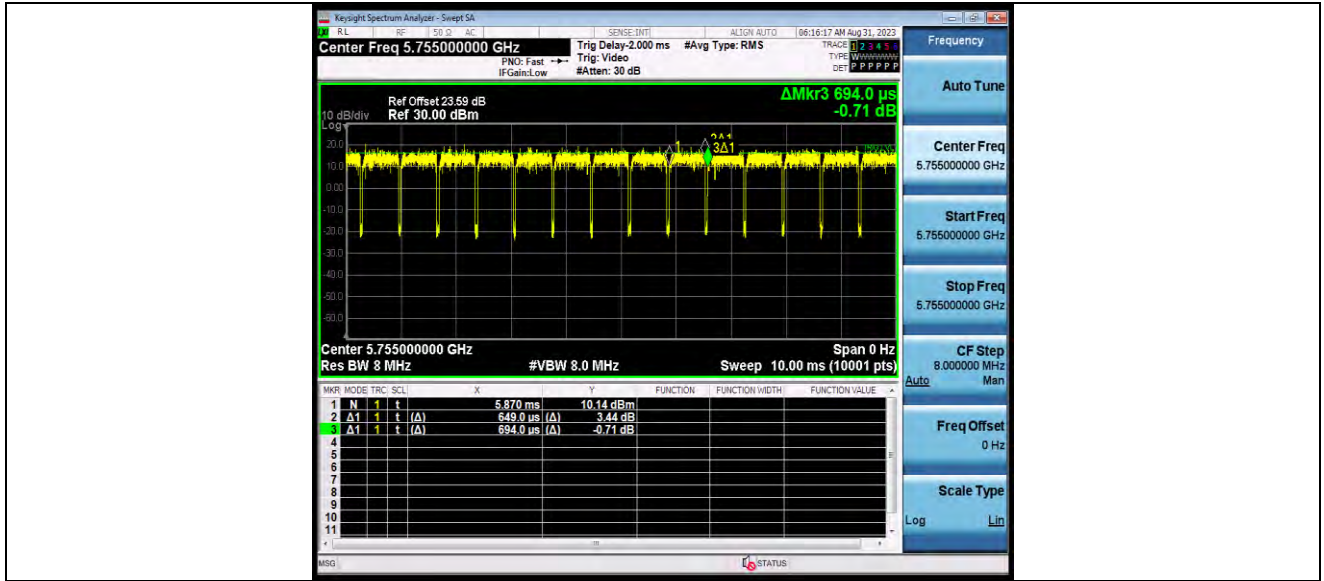


11AC40SISO_Ant1_5755

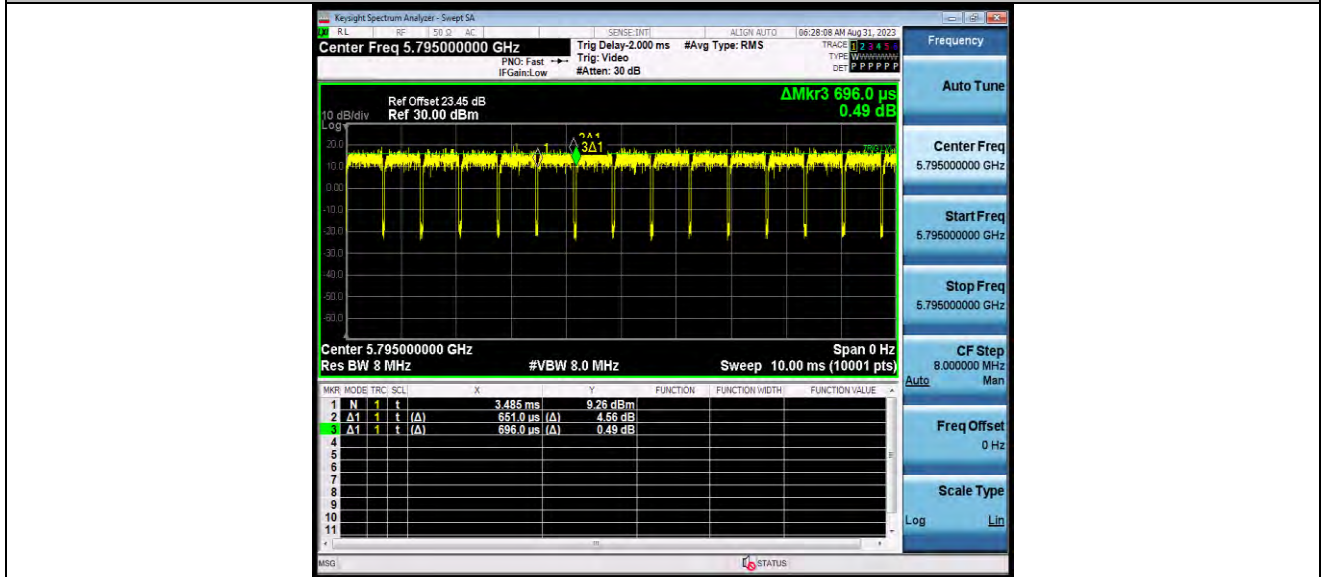


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC40SISO_Ant1_5795

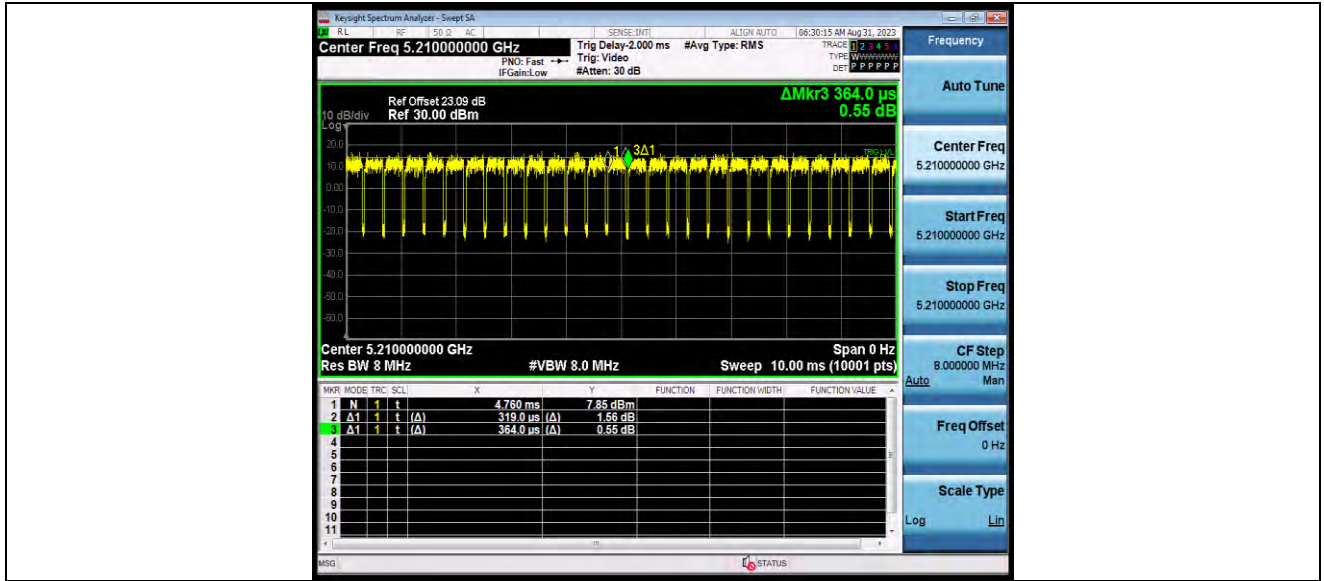


11AC80SISO_Ant1_5210

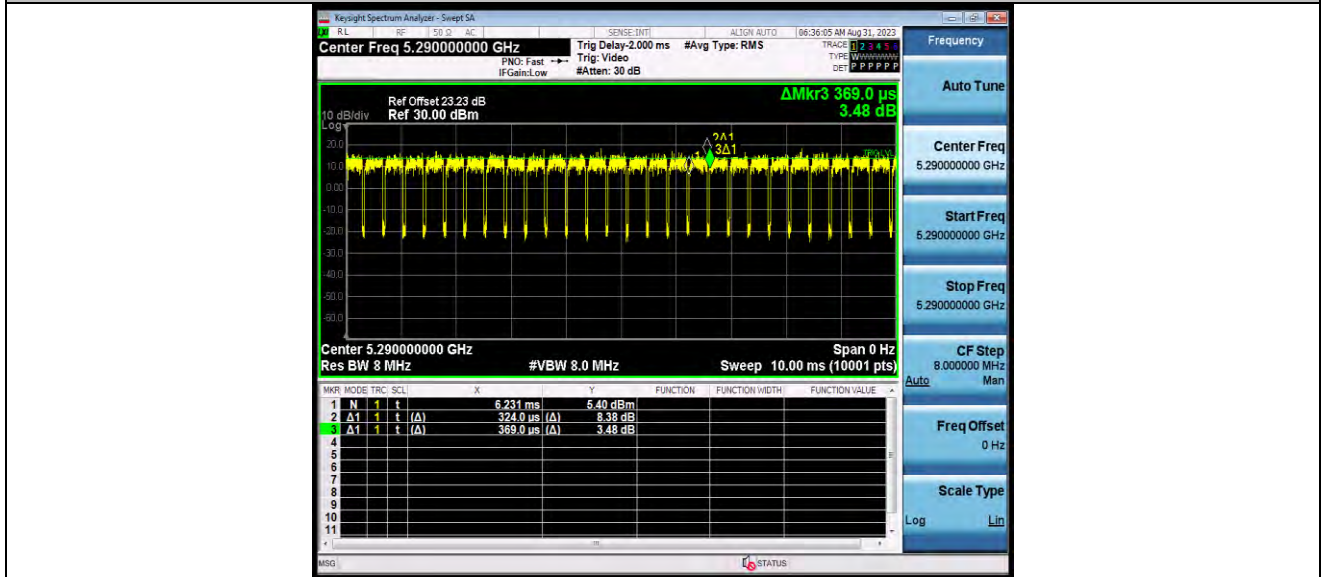


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC80SISO_Ant1_5290

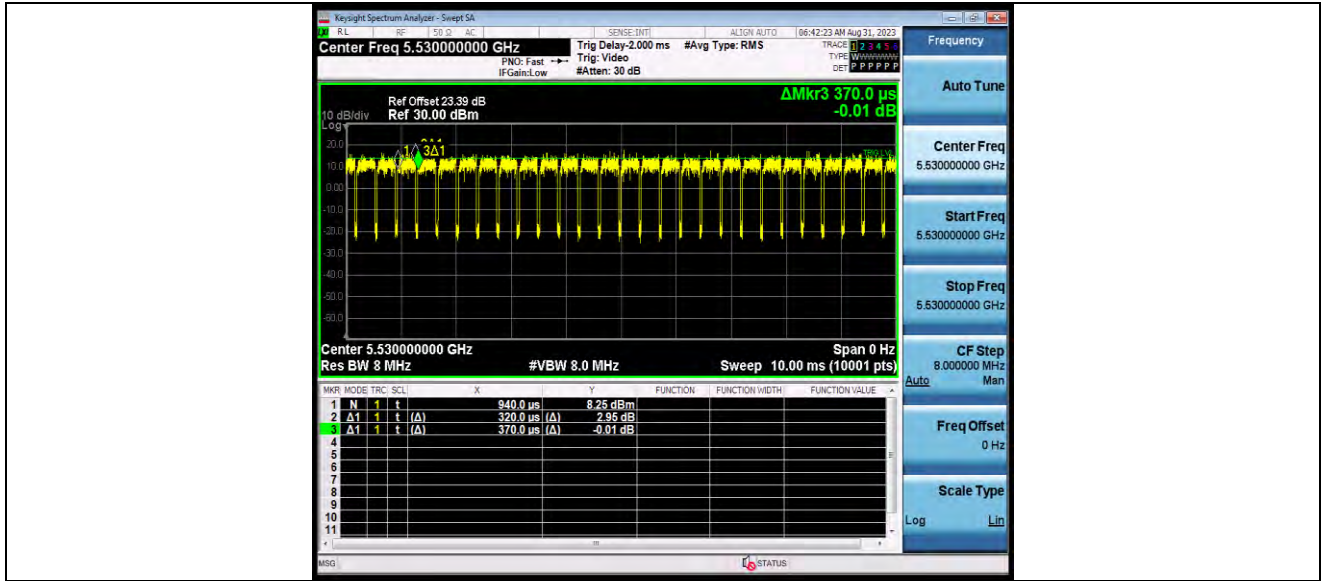


11AC80SISO_Ant1_5530

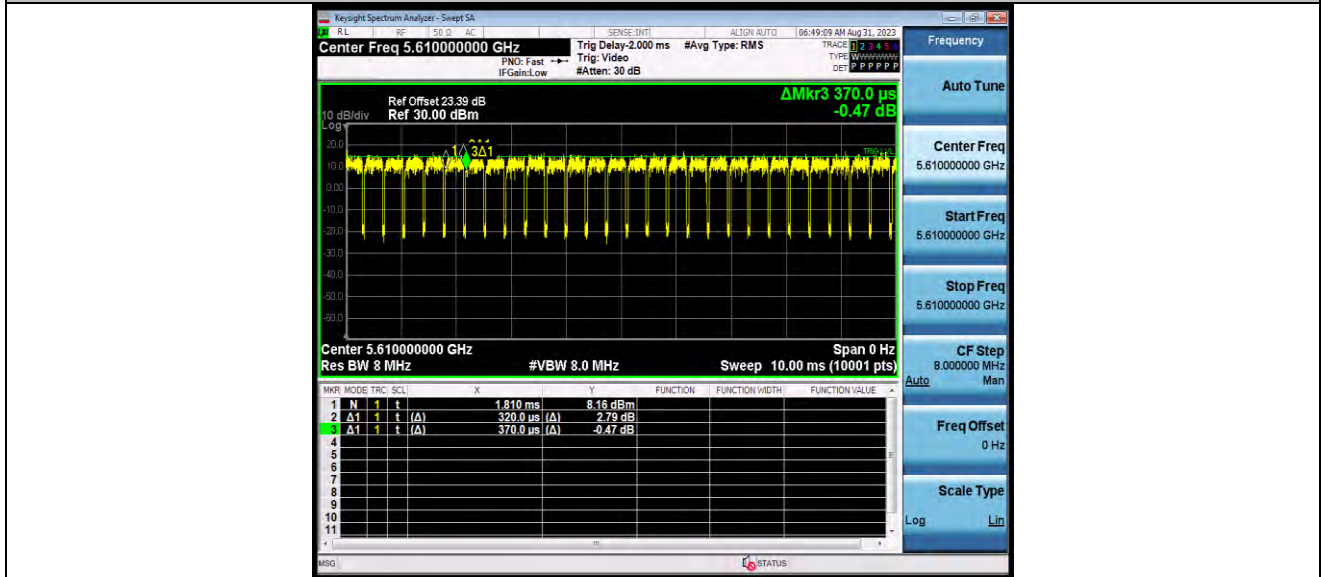


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC80SISO_Ant1_5610

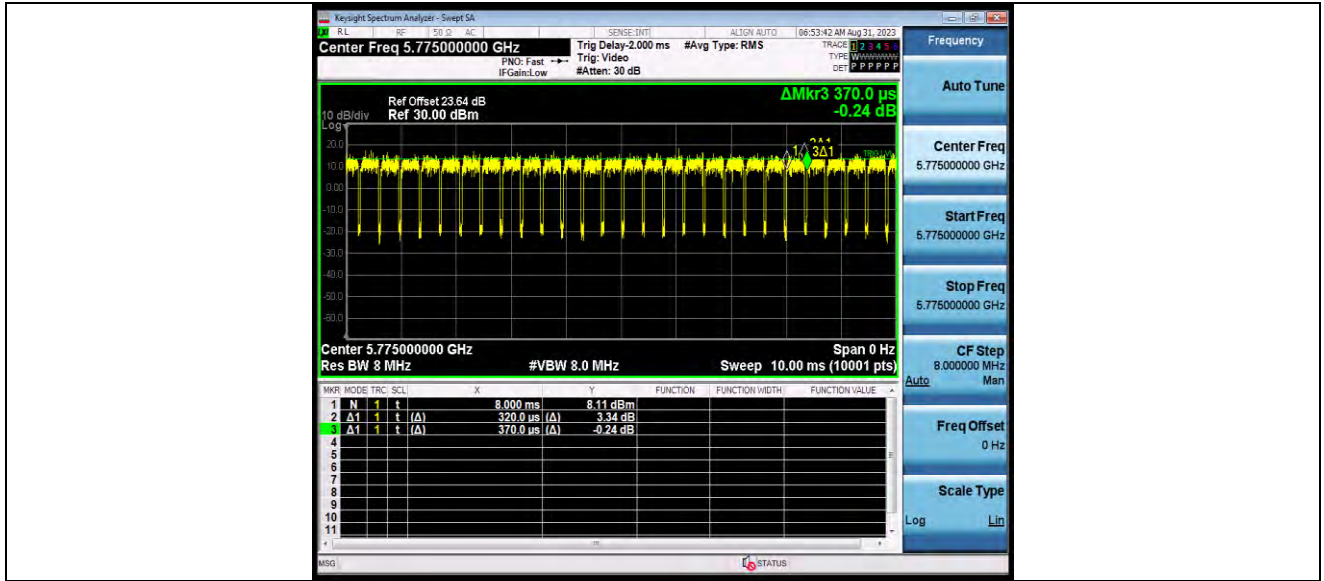


11AC80SISO_Ant1_5775



BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



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MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

Mode	TX Type	Freq. (MHz)	Maximum Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11a	SISO	5180	14.36	≤24.00	Pass
		5200	14.24	≤24.00	Pass
		5240	14.44	≤24.00	Pass
		5260	14.27	≤24.00	Pass
		5300	14.30	≤24.00	Pass
		5320	14.41	≤24.00	Pass
		5500	15.88	≤24.00	Pass
		5580	15.93	≤24.00	Pass
		5700	15.92	≤24.00	Pass
		5745	13.83	≤30.00	Pass
		5785	13.82	≤30.00	Pass
		5825	13.84	≤30.00	Pass
802.11n (HT20)	SISO	5180	14.18	≤24.00	Pass
		5200	14.24	≤24.00	Pass
		5240	14.29	≤24.00	Pass
		5260	14.20	≤24.00	Pass
		5300	14.17	≤24.00	Pass
		5320	14.33	≤24.00	Pass
		5500	15.88	≤24.00	Pass
		5580	15.86	≤24.00	Pass
		5700	15.70	≤24.00	Pass
		5745	13.78	≤30.00	Pass
		5785	13.71	≤30.00	Pass
		5825	13.68	≤30.00	Pass



802.11n (HT40)	SISO	5190	14.23	≤24.00	Pass
		5230	14.22	≤24.00	Pass
		5270	14.21	≤24.00	Pass
		5310	14.30	≤24.00	Pass
		5510	15.09	≤24.00	Pass
		5550	15.20	≤24.00	Pass
		5670	15.16	≤24.00	Pass
		5755	13.71	≤30.00	Pass
		5795	13.76	≤30.00	Pass
802.11ac (VHT20)	SISO	5180	14.12	≤24.00	Pass
		5200	14.22	≤24.00	Pass
		5240	14.22	≤24.00	Pass
		5260	14.18	≤24.00	Pass
		5300	14.32	≤24.00	Pass
		5320	14.33	≤24.00	Pass
		5500	15.87	≤24.00	Pass
		5580	15.83	≤24.00	Pass
		5700	15.79	≤24.00	Pass
		5745	13.72	≤30.00	Pass
		5785	13.71	≤30.00	Pass
		5825	13.68	≤30.00	Pass
802.11ac (VHT40)	SISO	5190	14.29	≤24.00	Pass
		5230	14.25	≤24.00	Pass
		5270	14.20	≤24.00	Pass
		5310	14.25	≤24.00	Pass
		5510	15.29	≤24.00	Pass
		5550	15.15	≤24.00	Pass
		5670	14.17	≤24.00	Pass
		5755	13.83	≤30.00	Pass
		5795	13.81	≤30.00	Pass



802.11ac (VHT80)	SISO	5210	13.72	≤24.00	Pass
		5290	13.89	≤24.00	Pass
		5530	14.51	≤24.00	Pass
		5610	14.47	≤24.00	Pass
		5775	14.13	≤30.00	Pass

Note1: Maximum Conducted Output Power = Measured Power +Duty Cycle Factor

SPOT CHECK

Mode	TX Type	Freq. (MHz)	Maximum Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11a	SISO	5580	15.88	≤24.00	Pass
		5825	13.73	≤30.00	Pass



MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	8.00	≤11.00	PASS
		5200	8.06	≤11.00	PASS
		5240	8.56	≤11.00	PASS
		5260	8.42	≤11.00	PASS
		5300	8.35	≤11.00	PASS
		5320	6.94	≤11.00	PASS
		5500	6.57	≤11.00	PASS
		5580	8.4	≤11.00	PASS
		5700	6.53	≤11.00	PASS
		5745	2.41	≤30.00	PASS
		5785	1.98	≤30.00	PASS
		5825	1.86	≤30.00	PASS
11N20SISO	Ant1	5180	6.70	≤11.00	PASS
		5200	6.74	≤11.00	PASS
		5240	7.30	≤11.00	PASS
		5260	7.19	≤11.00	PASS
		5300	6.88	≤11.00	PASS
		5320	7.44	≤11.00	PASS
		5500	7.06	≤11.00	PASS
		5580	7.02	≤11.00	PASS
		5700	7.03	≤11.00	PASS
		5745	1.71	≤30.00	PASS
		5785	1.77	≤30.00	PASS
		5825	1.54	≤30.00	PASS
11N40SISO	Ant1	5190	3.01	≤11.00	PASS
		5230	3.34	≤11.00	PASS
		5270	3.31	≤11.00	PASS
		5310	3.08	≤11.00	PASS



		5510	3.32	≤11.00	PASS
		5550	3.24	≤11.00	PASS
		5670	2.83	≤11.00	PASS
		5755	-1.13	≤30.00	PASS
		5795	-1.43	≤30.00	PASS
11AC20SISO	Ant1	5180	6.91	≤11.00	PASS
		5200	6.66	≤11.00	PASS
		5240	7.42	≤11.00	PASS
		5260	7.30	≤11.00	PASS
		5300	7.11	≤11.00	PASS
		5320	7.05	≤11.00	PASS
		5500	7.07	≤11.00	PASS
		5580	7.57	≤11.00	PASS
		5700	7.22	≤11.00	PASS
		5745	3.92	≤30.00	PASS
		5785	1.86	≤30.00	PASS
		5825	1.34	≤30.00	PASS
11AC40SISO	Ant1	5190	2.58	≤11.00	PASS
		5230	3.55	≤11.00	PASS
		5270	2.84	≤11.00	PASS
		5310	3.07	≤11.00	PASS
		5510	2.96	≤11.00	PASS
		5550	2.97	≤11.00	PASS
		5670	1.88	≤11.00	PASS
		5755	-1.75	≤30.00	PASS
		5795	-1.56	≤30.00	PASS
11AC80SISO	Ant1	5210	-1.39	≤11.00	PASS
		5290	-0.52	≤11.00	PASS
		5530	-1.10	≤11.00	PASS
		5610	-0.76	≤11.00	PASS
		5775	-3.45	≤30.00	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 are compensated in the graph.

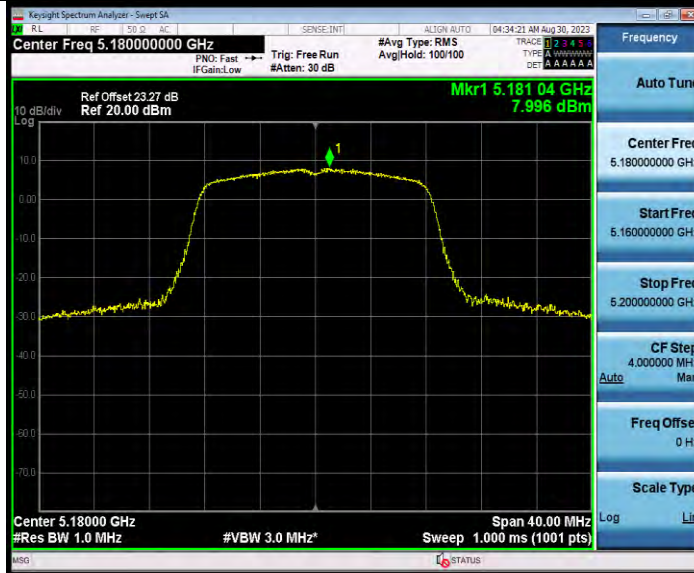


BUREAU VERITAS

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TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

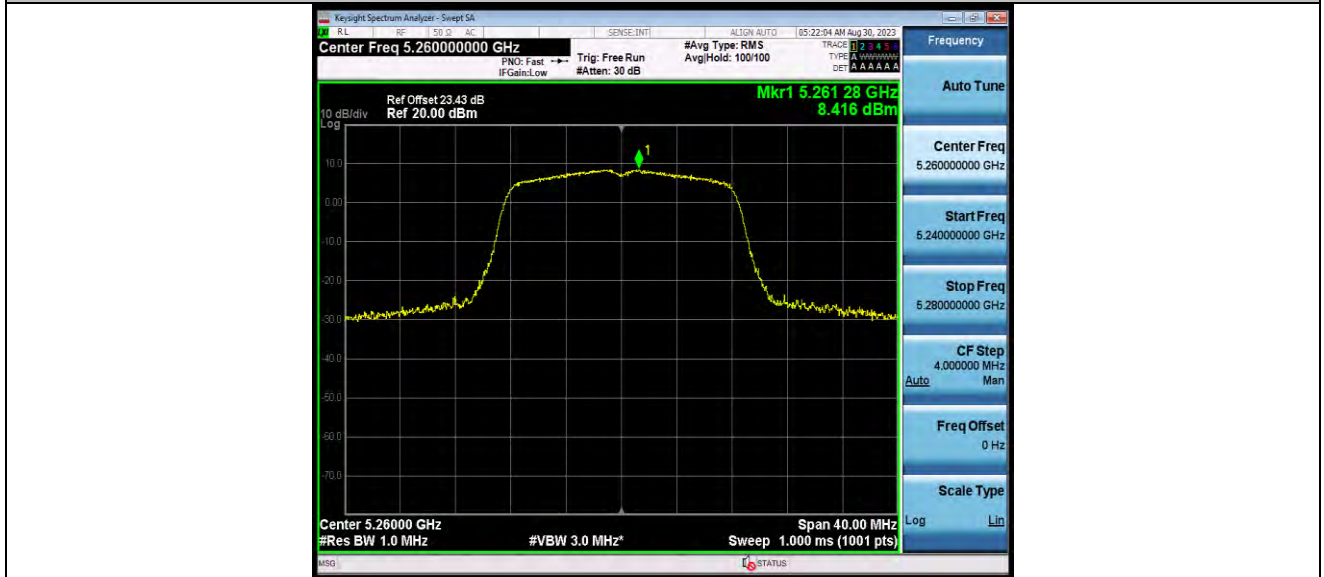


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Test Report No.: W7L-P23080017RF03



11A_Ant1_5260



11A_Ant1_5300

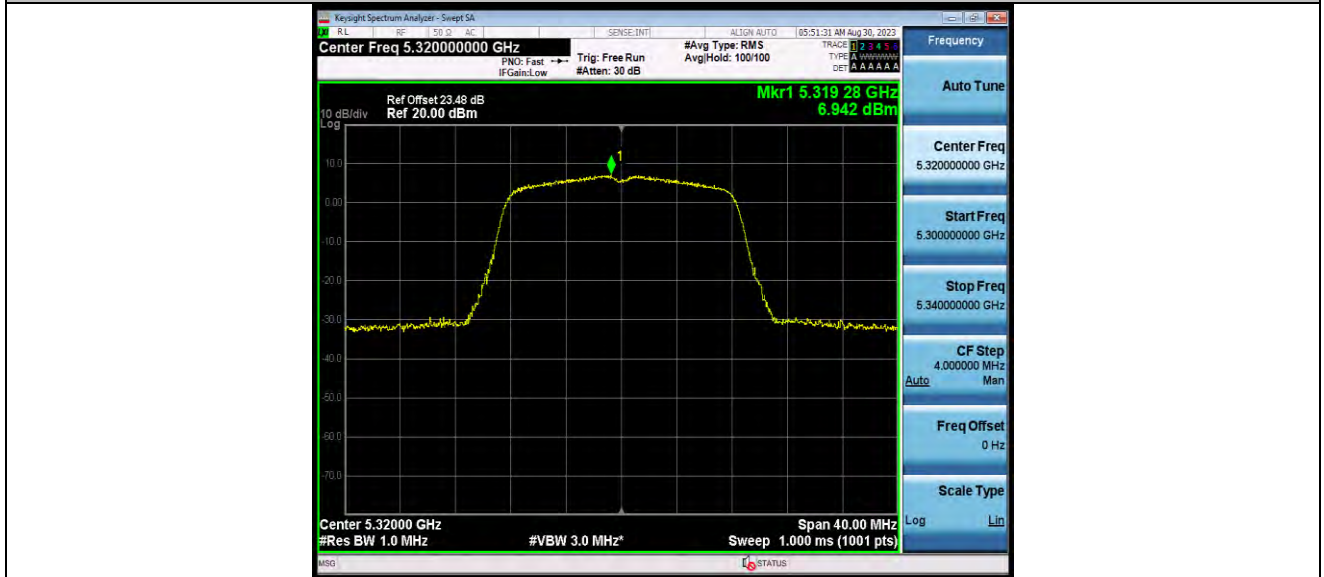


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11A_Ant1_5320

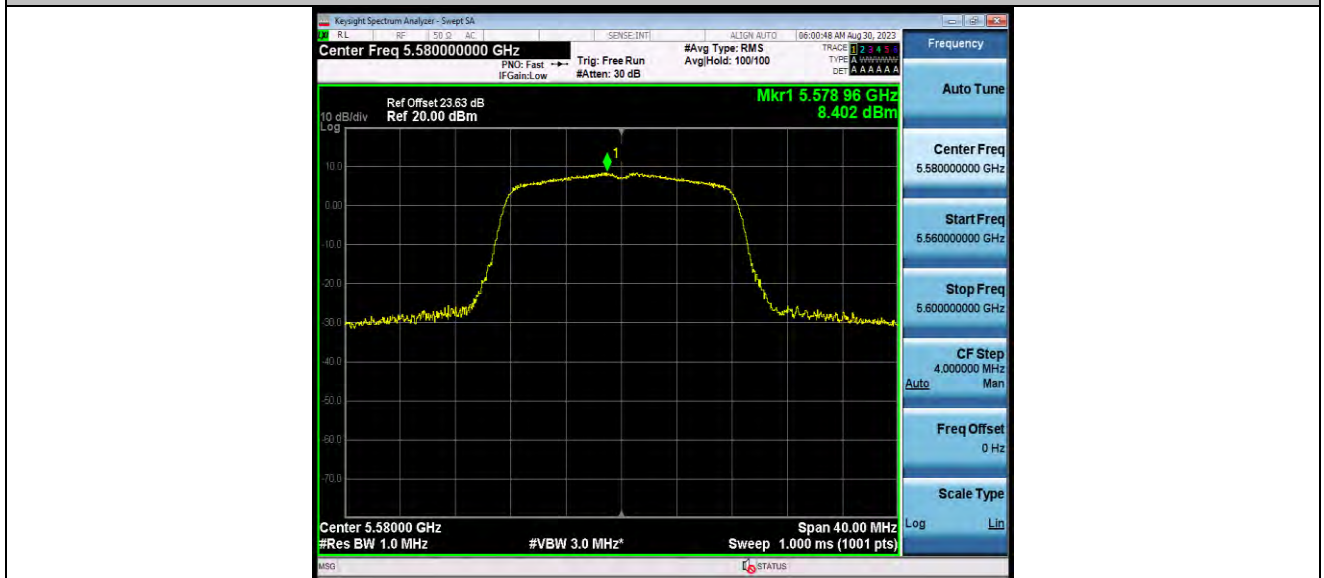


11A_Ant1_5500



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VERITAS

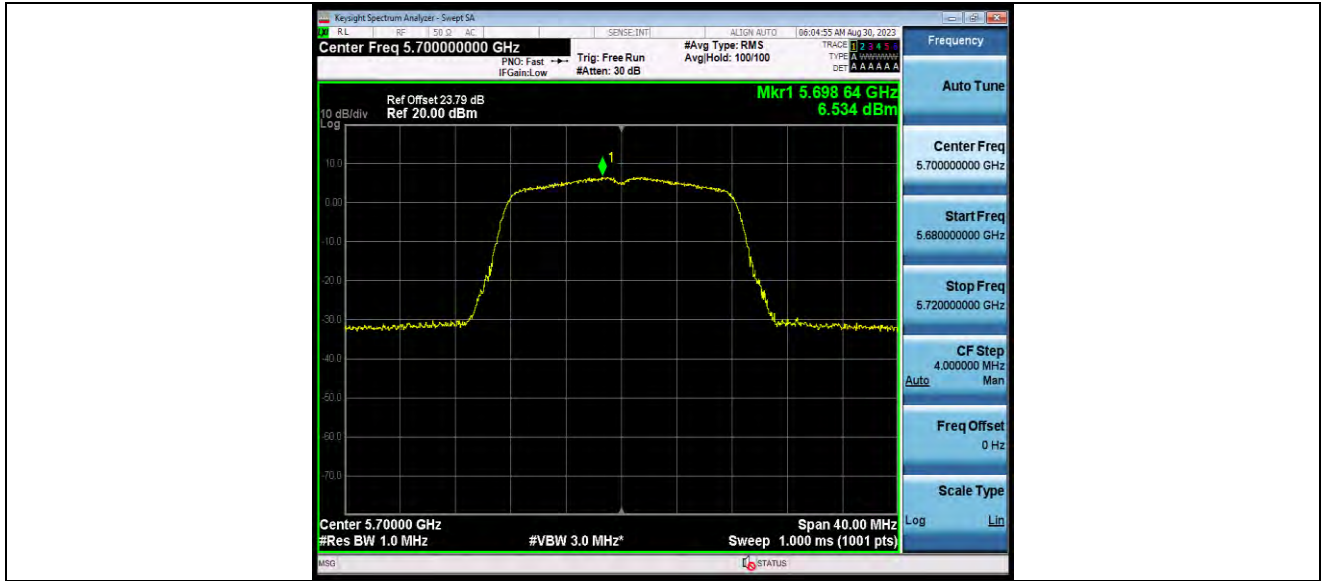
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Test Report No.: W7L-P23080017RF03



11A_Ant1_5745



11A_Ant1_5785



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Test Report No.: W7L-P23080017RF03



11A_Ant1_5825



11N20SISO_Ant1_5180



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VERITAS

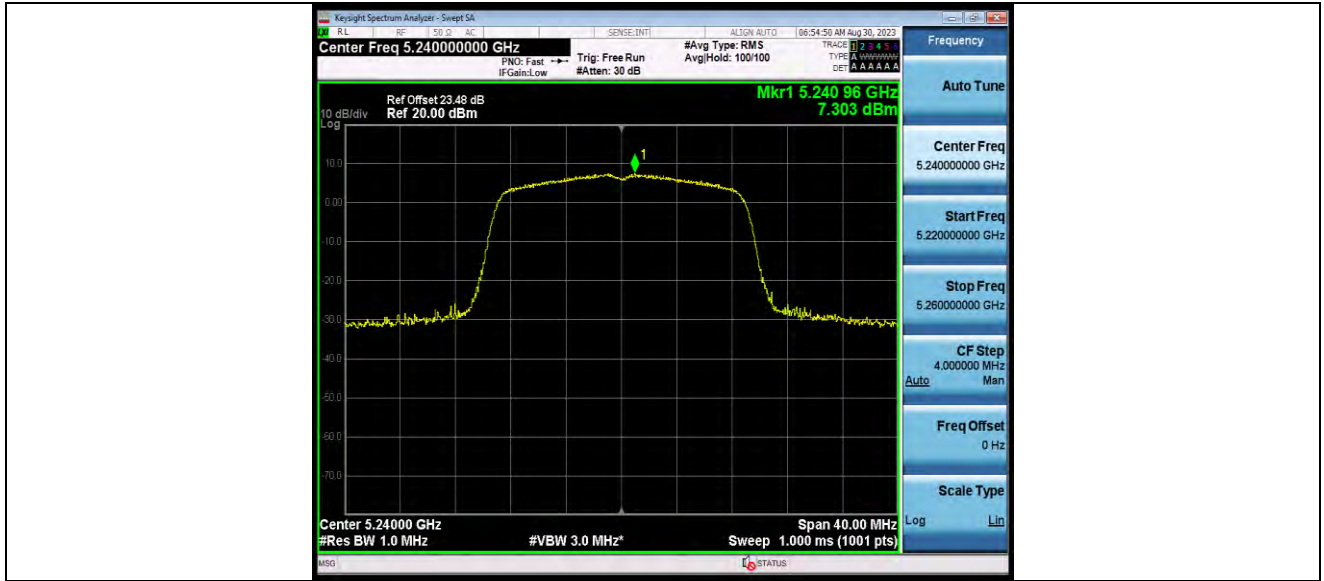
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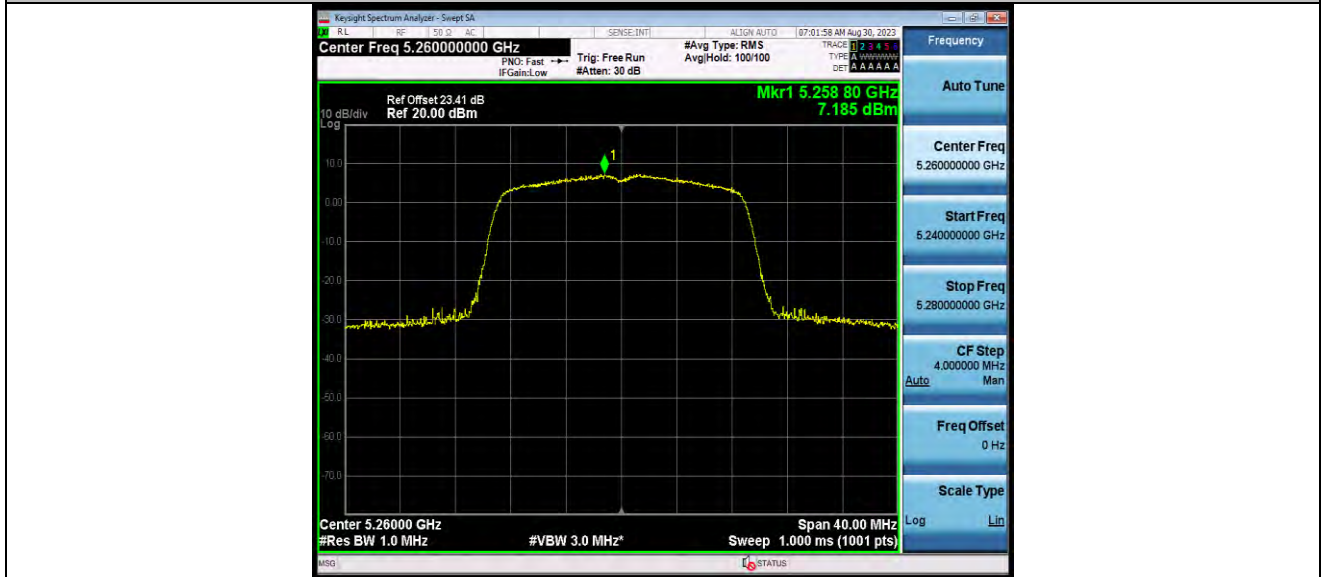


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VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5260

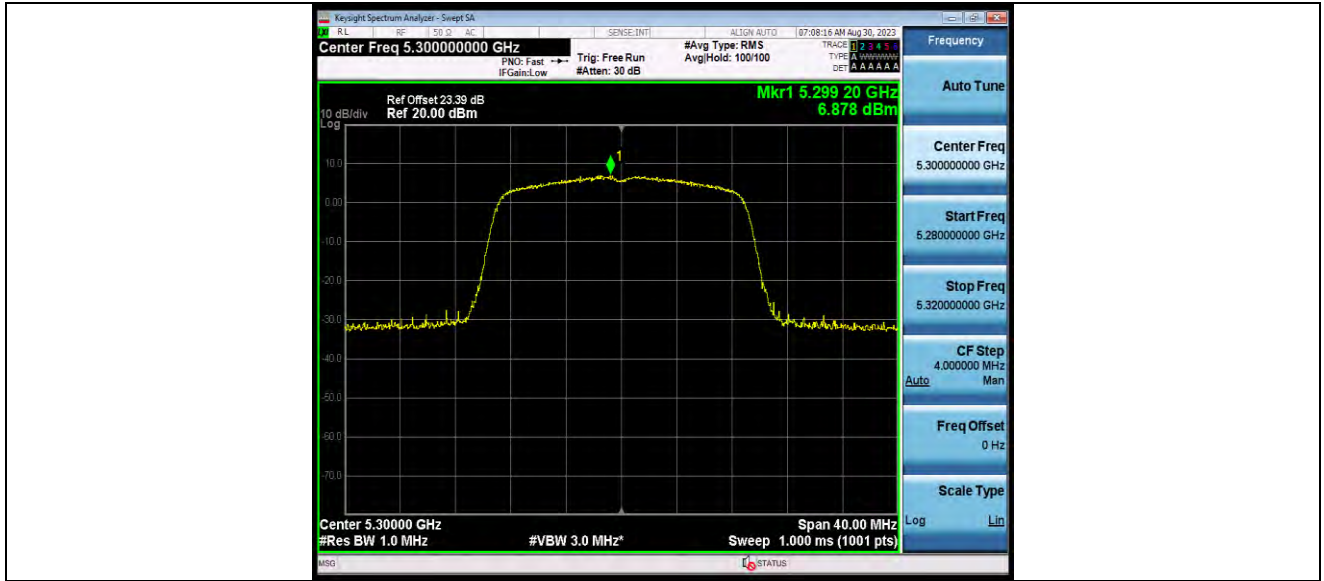


11N20SISO_Ant1_5300



BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



BUREAU VERITAS

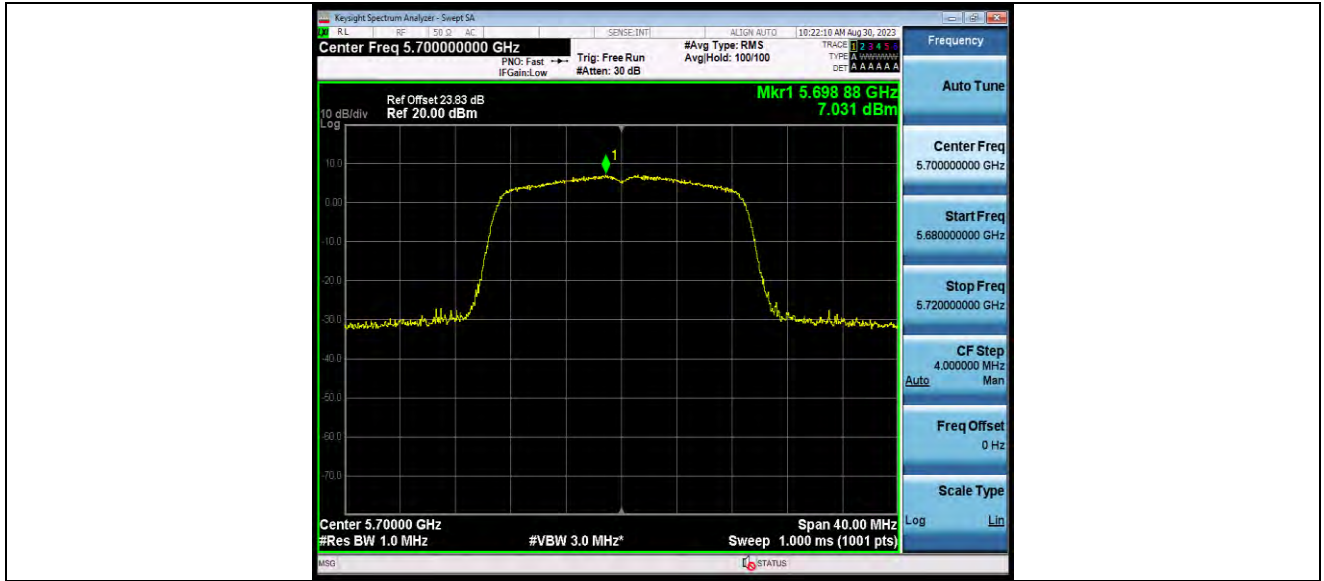
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BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5745

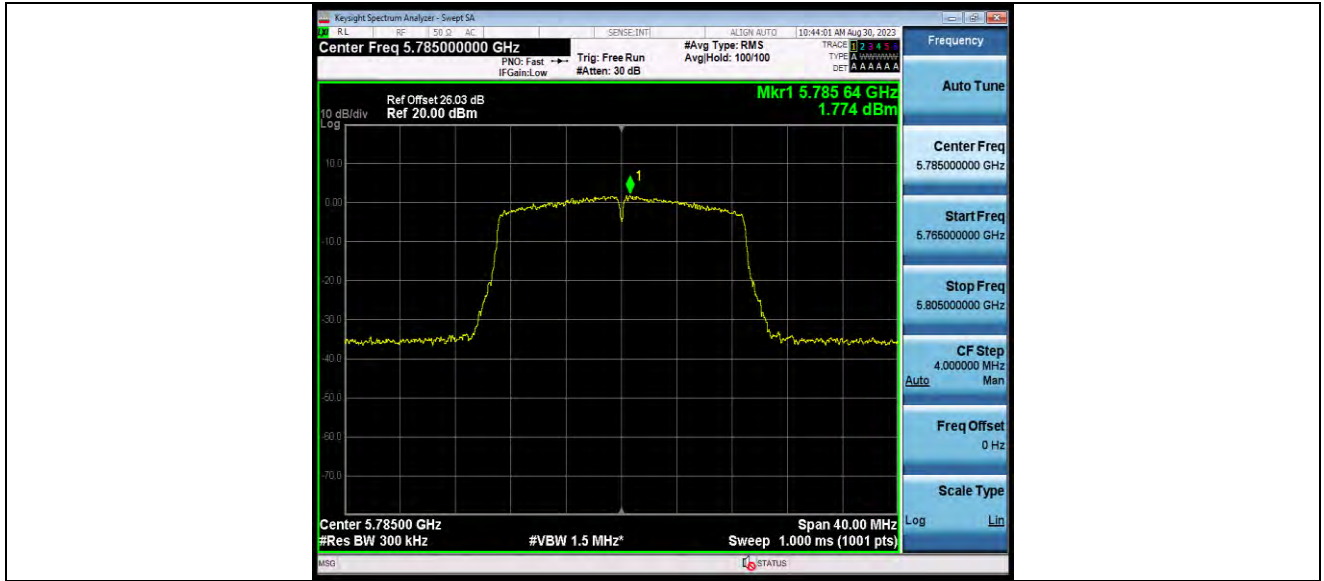


11N20SISO_Ant1_5785



BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



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VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5230

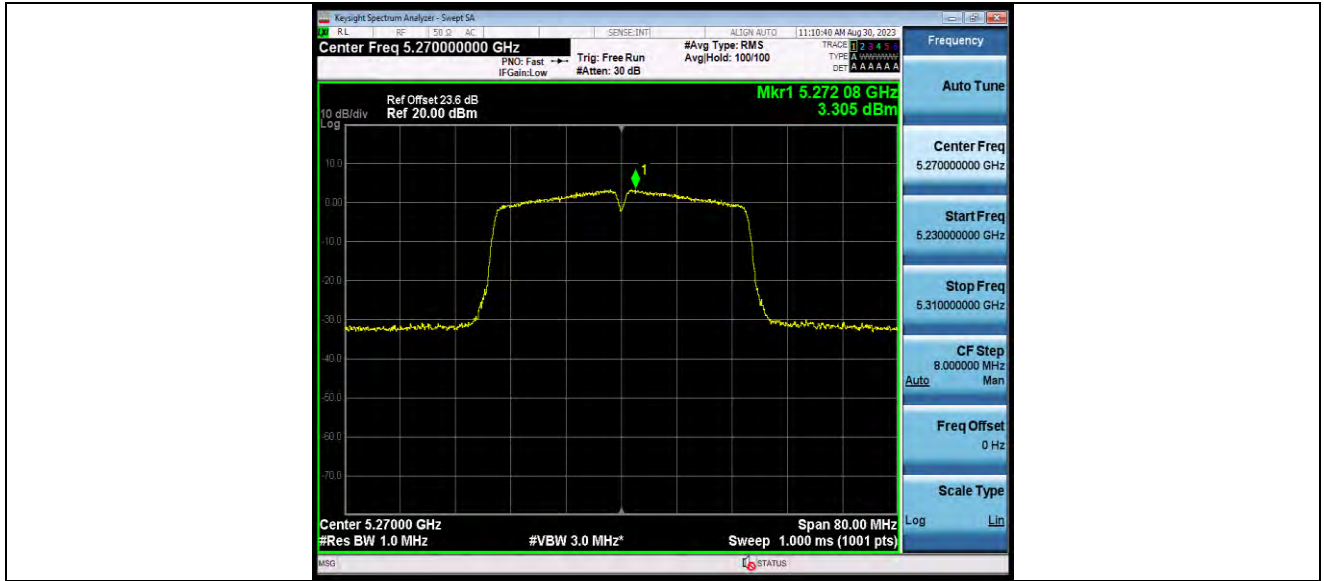


11N40SISO_Ant1_5270



BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5310

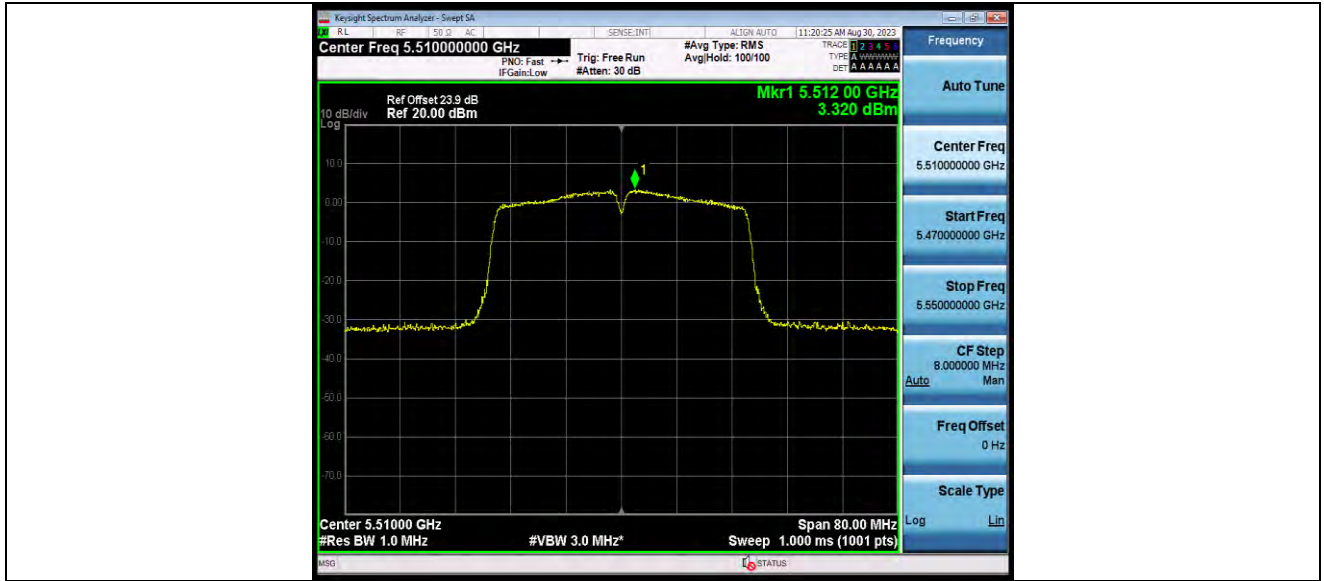


11N40SISO_Ant1_5510



BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5550

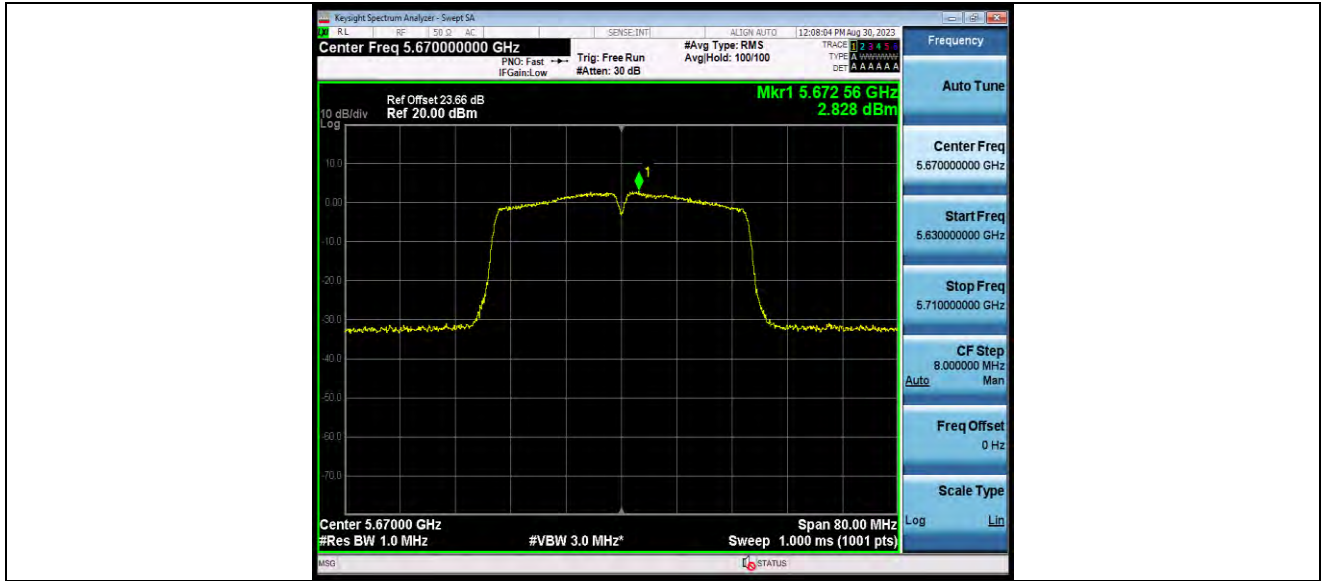


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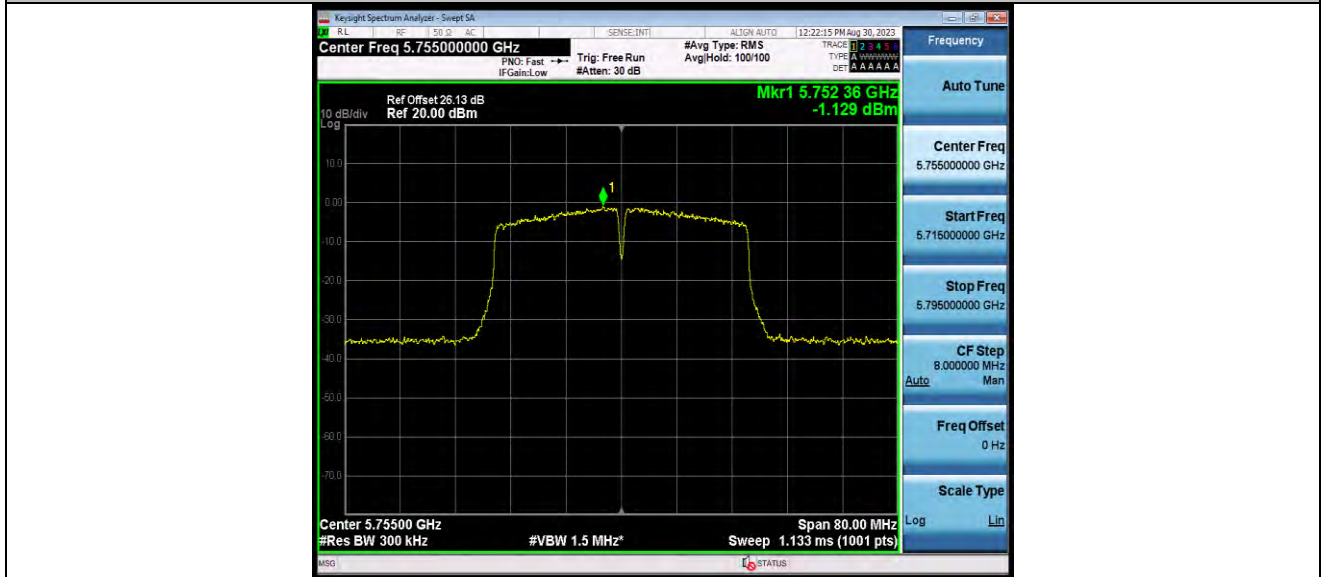


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

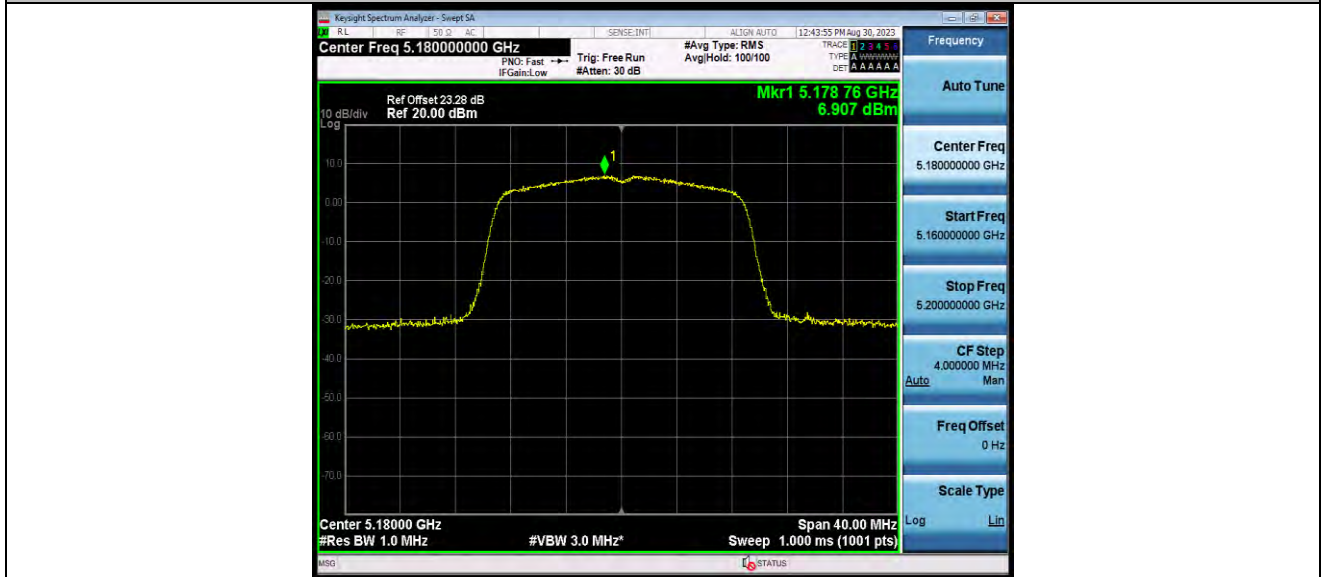


BUREAU VERITAS

Test Report No.: W7L-P23080017RF03



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200