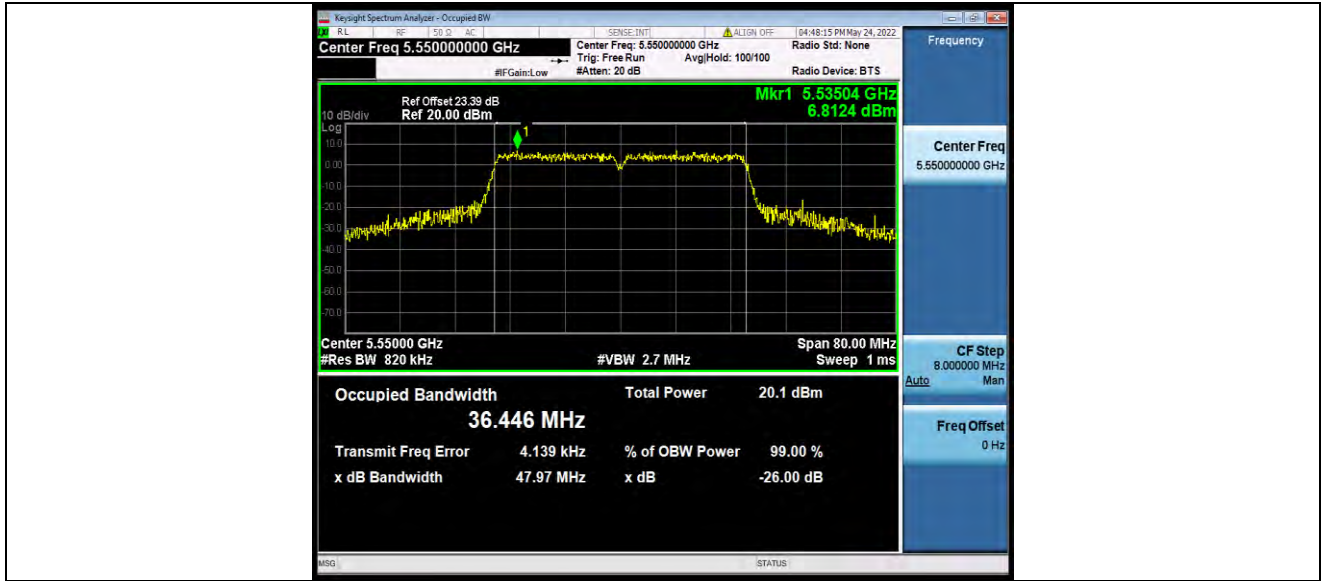




BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC40SISO_Ant1_5670

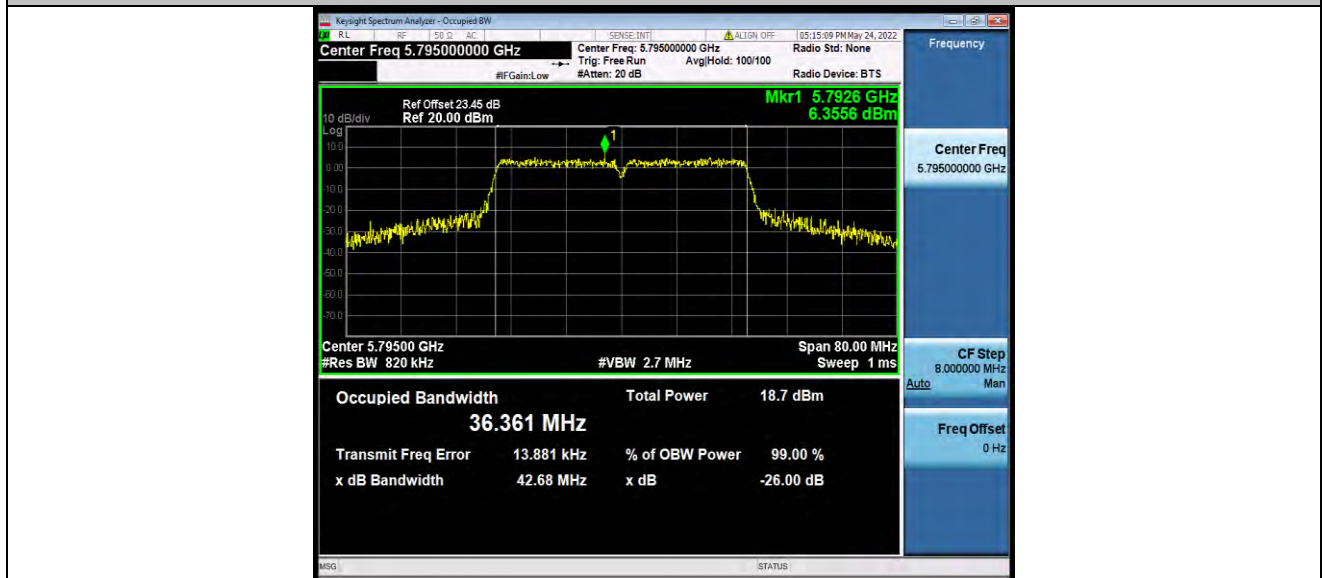
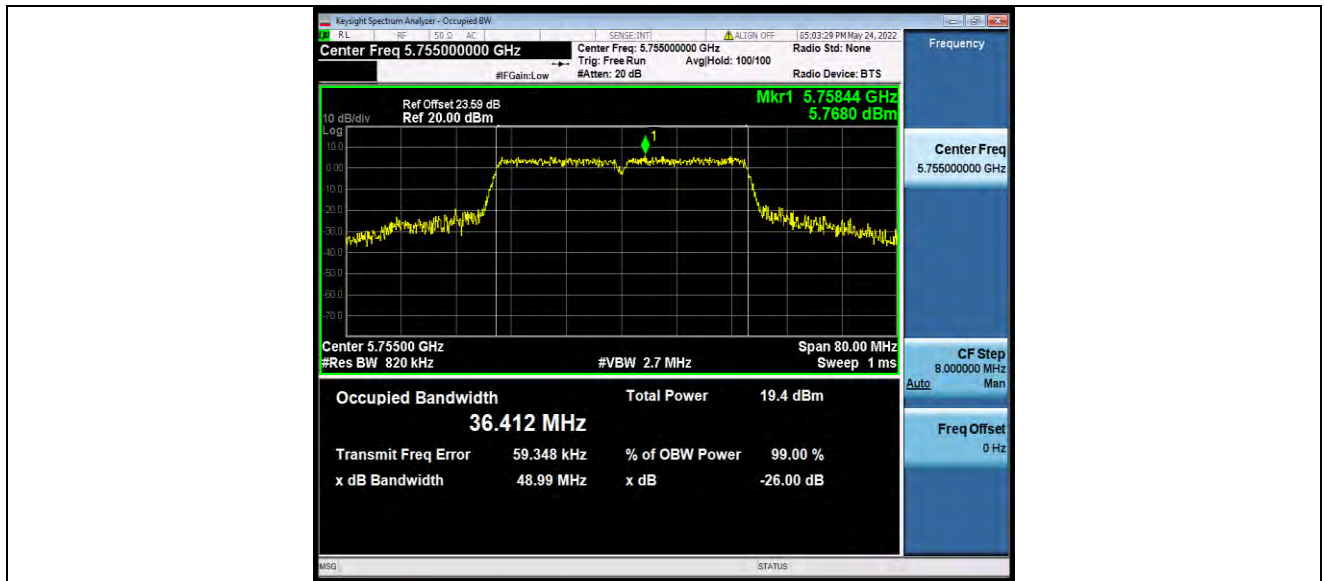


11AC40SISO_Ant1_5755



BUREAU VERITAS

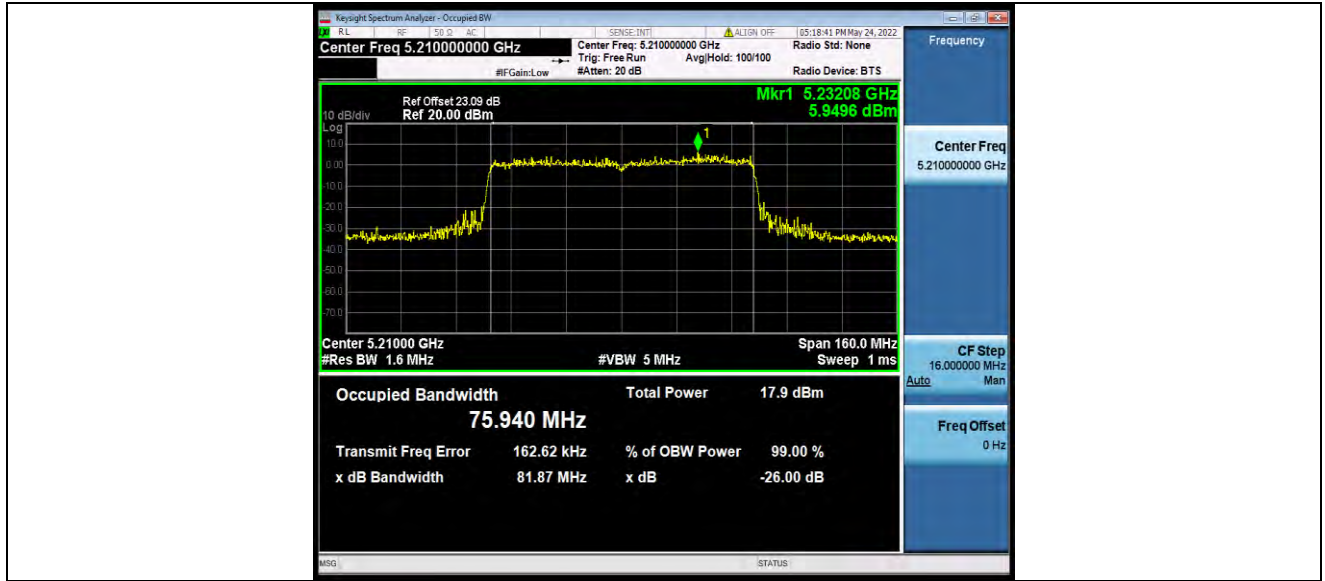
Test Report No.: W7L-P22050002RF03



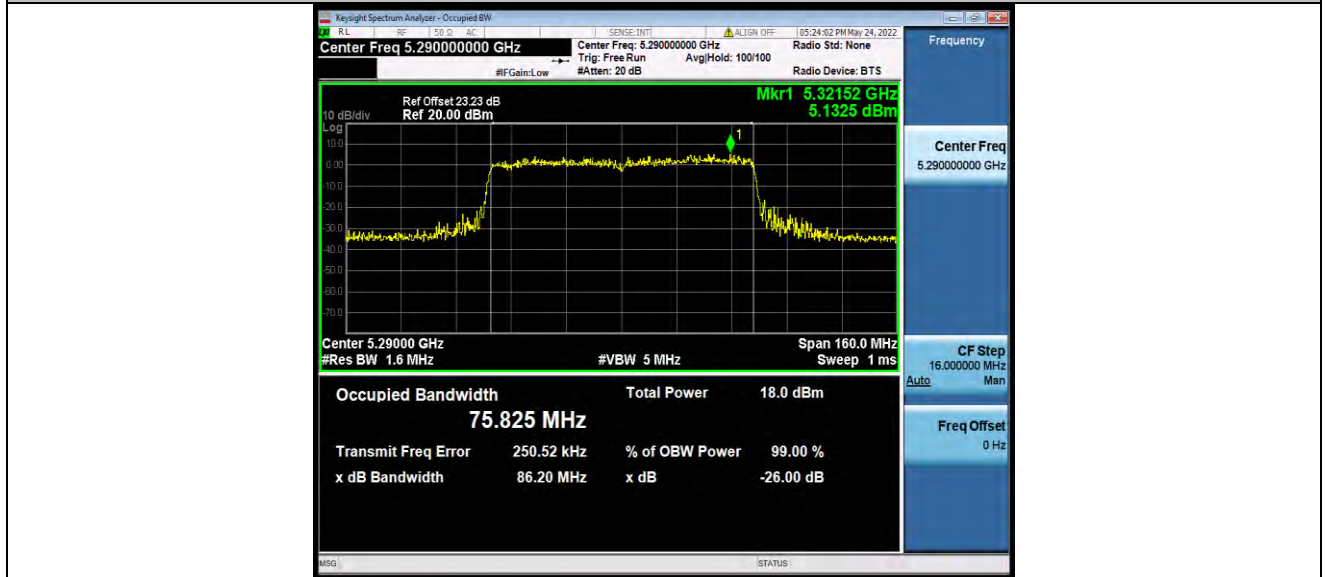


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC80SISO_Ant1_5290

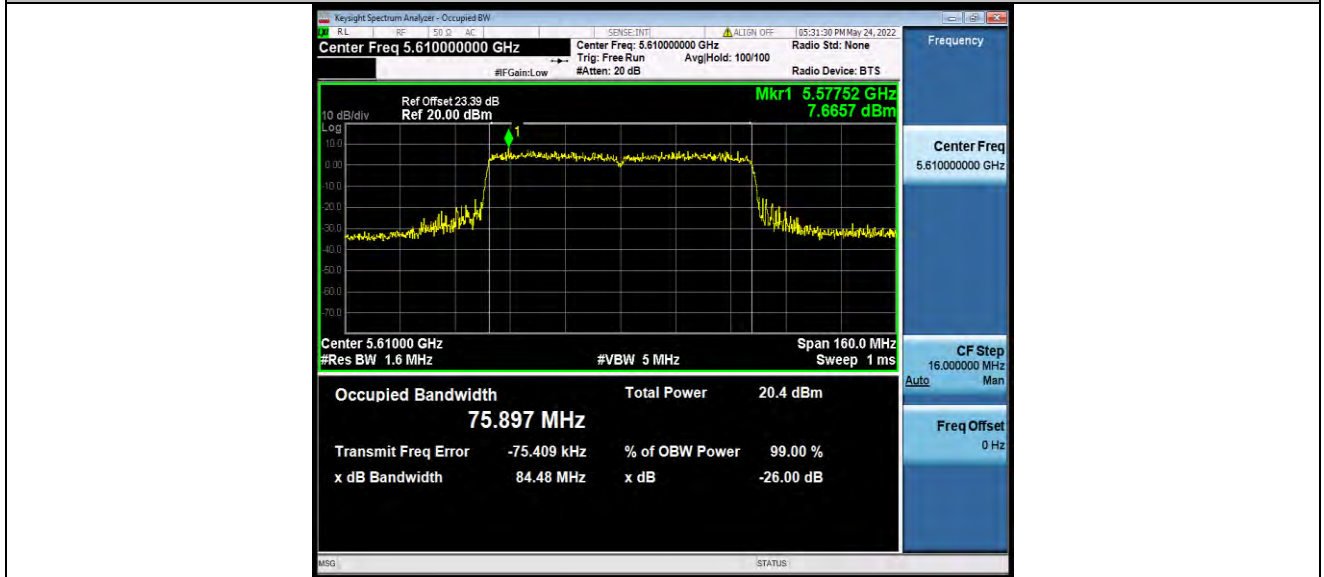


11AC80SISO_Ant1_5530



BUREAU VERITAS

Test Report No.: W7L-P22050002RF03





**BUREAU
VERITAS**

Test Report No.: W7L-P22050002RF03





MIN EMISSION BANDWIDTH TEST RESULT B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.360	5736.240	5753.600	0.5	PASS
		5785	17.160	5776.480	5793.640	0.5	PASS
		5825	17.400	5816.320	5833.720	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.240	5777.000	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.320	5736.320	5753.640	0.5	PASS
		5785	17.440	5776.200	5793.640	0.5	PASS
		5825	17.240	5816.360	5833.600	0.5	PASS
11AC40SISO	Ant1	5755	36.240	5736.920	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

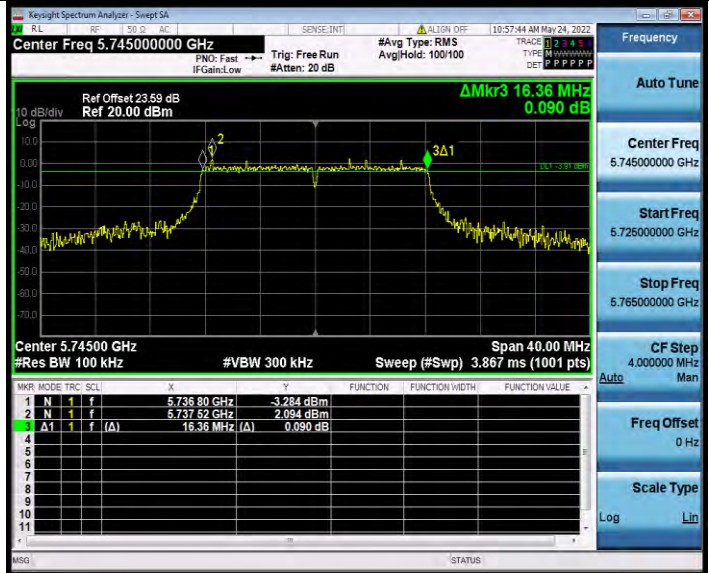


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03

TEST GRAPHS B4

11A_Ant1_5745



11A_Ant1_5785

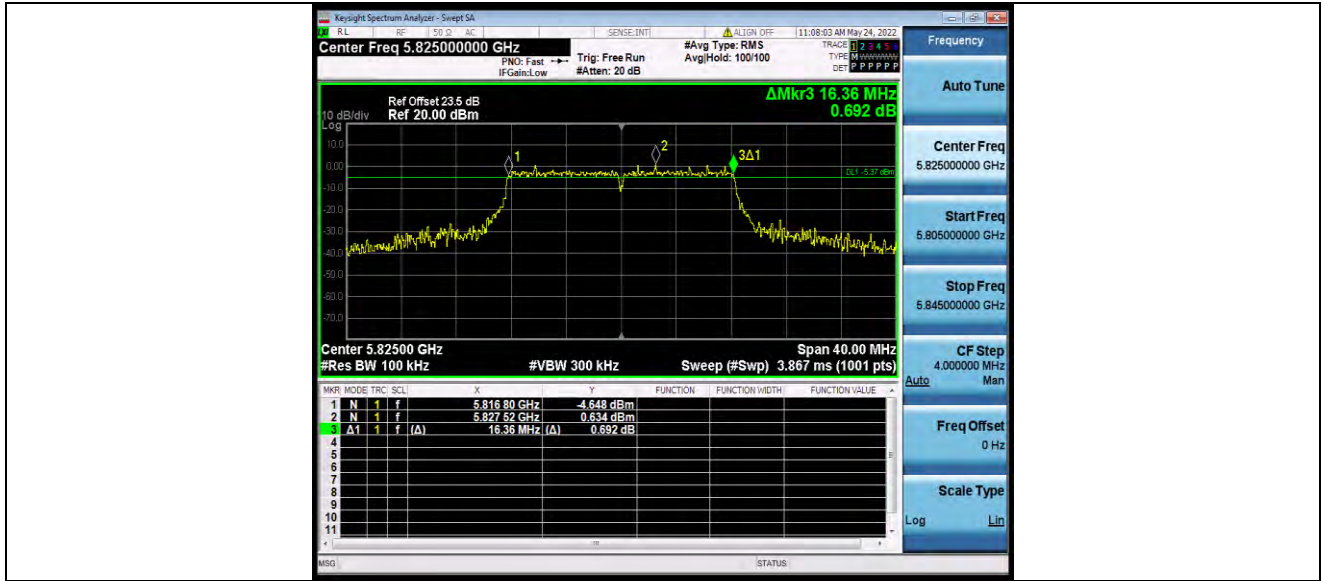


11A_Ant1_5825

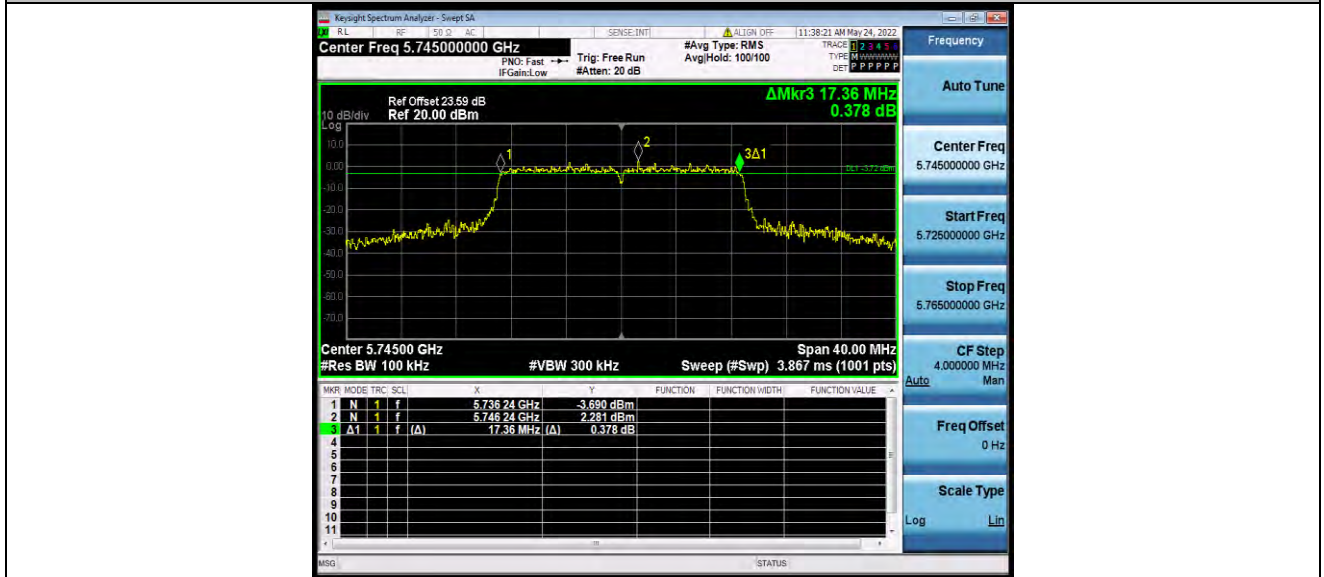


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5745

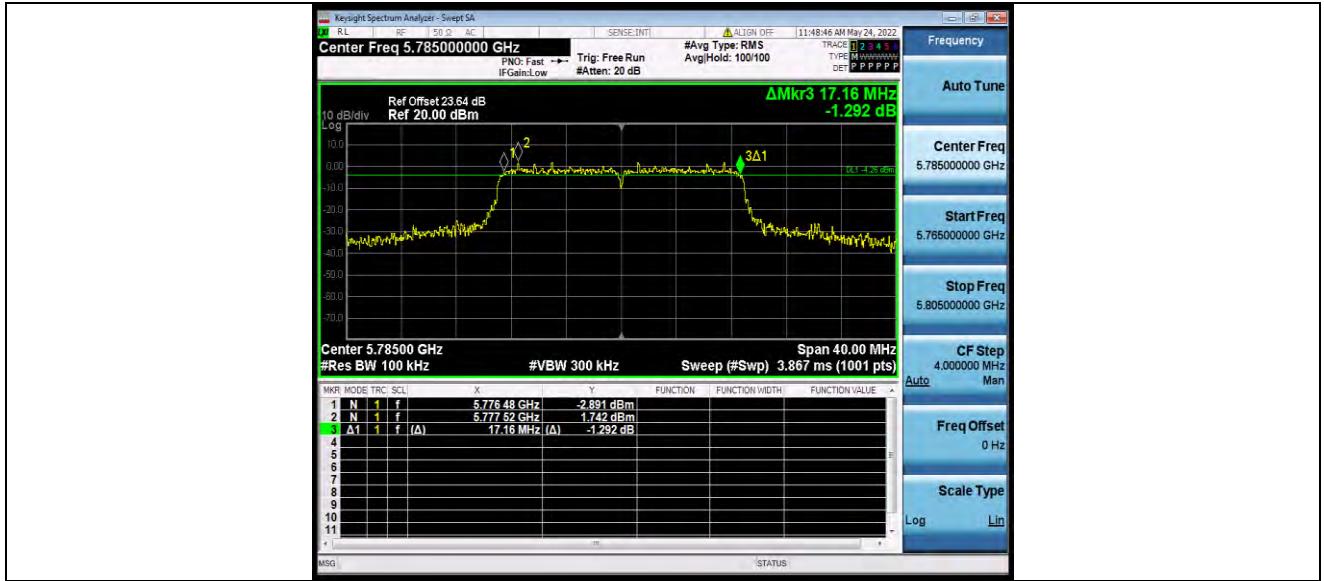


11N20SISO_Ant1_5785

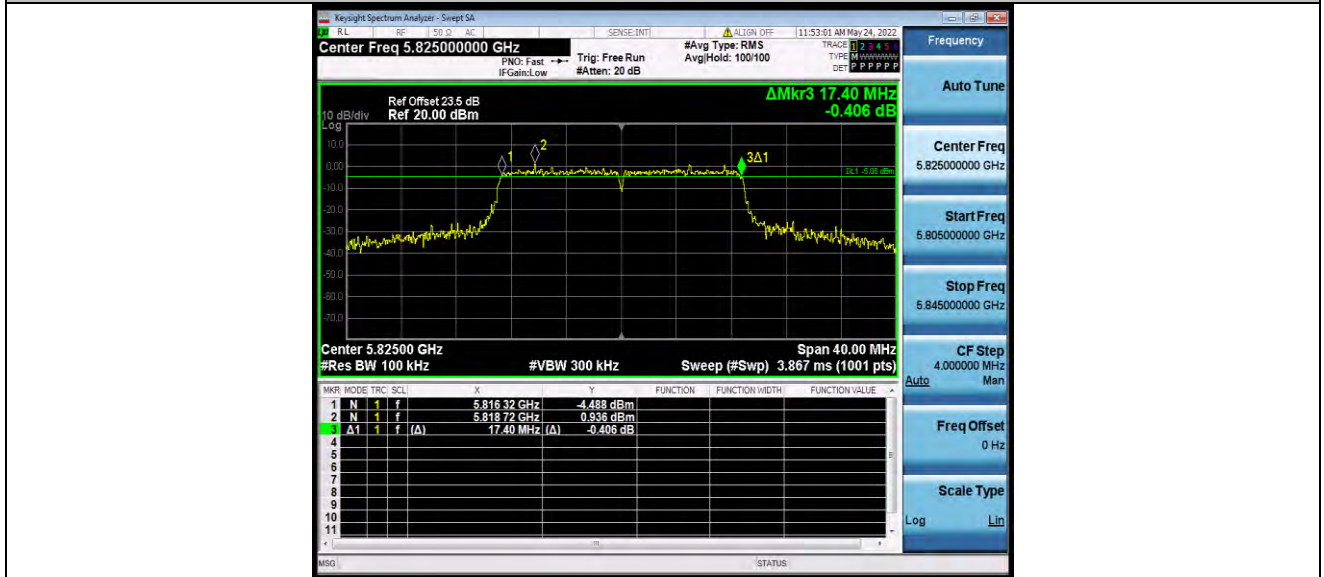


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5825

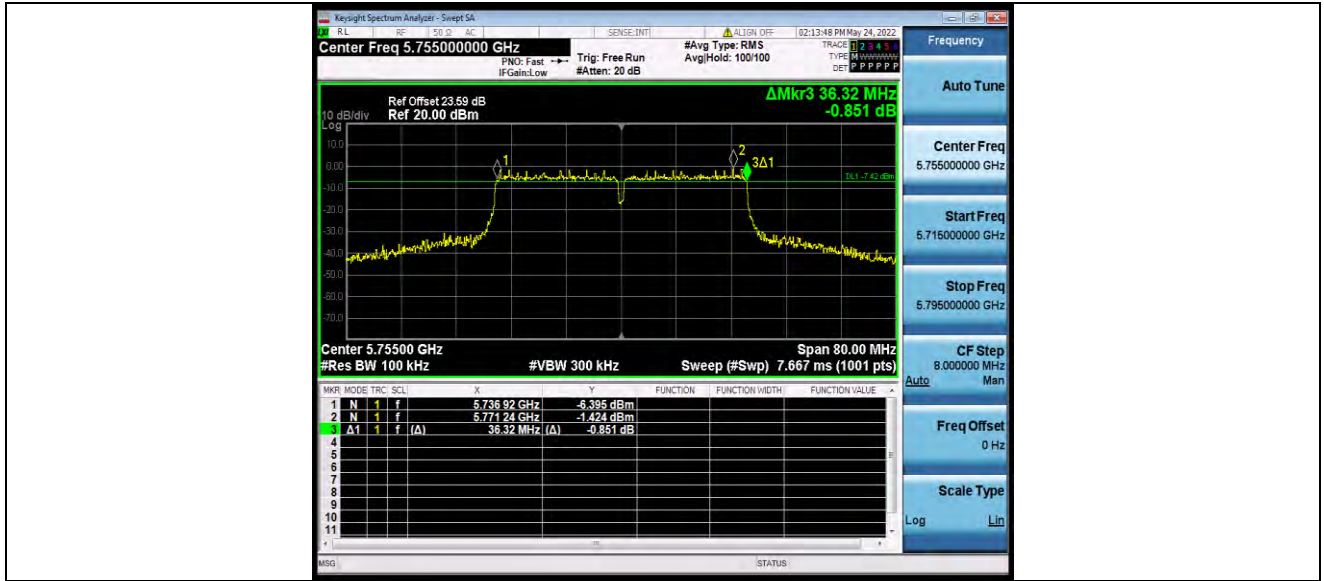


11N40SISO_Ant1_5755

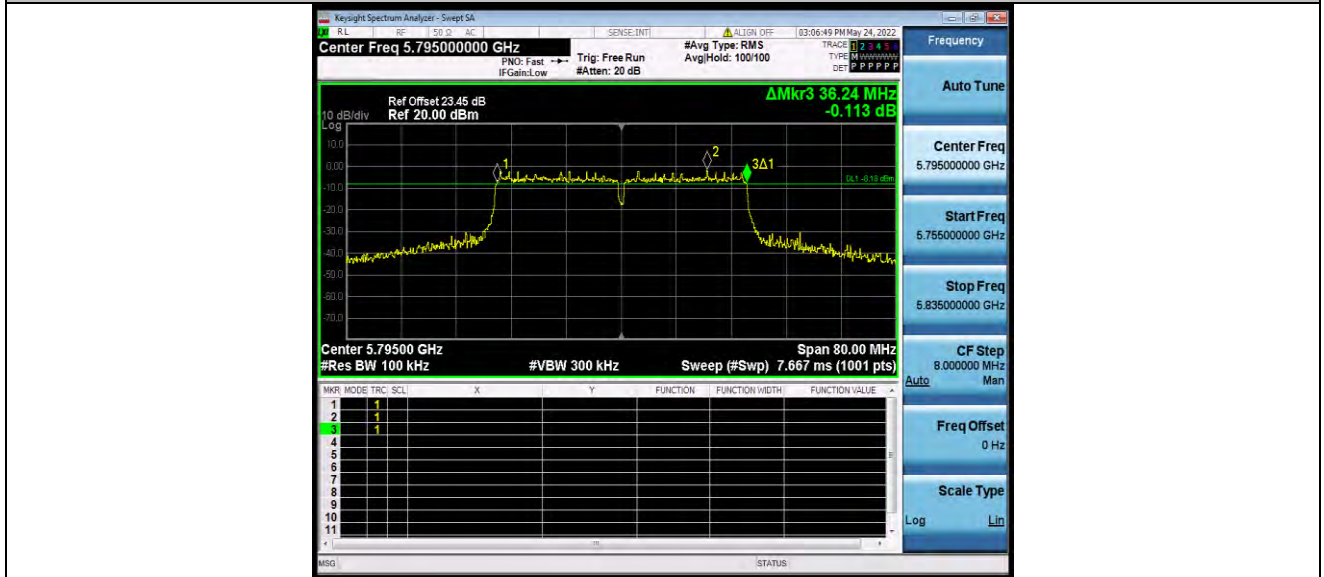


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N40SISO_Ant1_5795

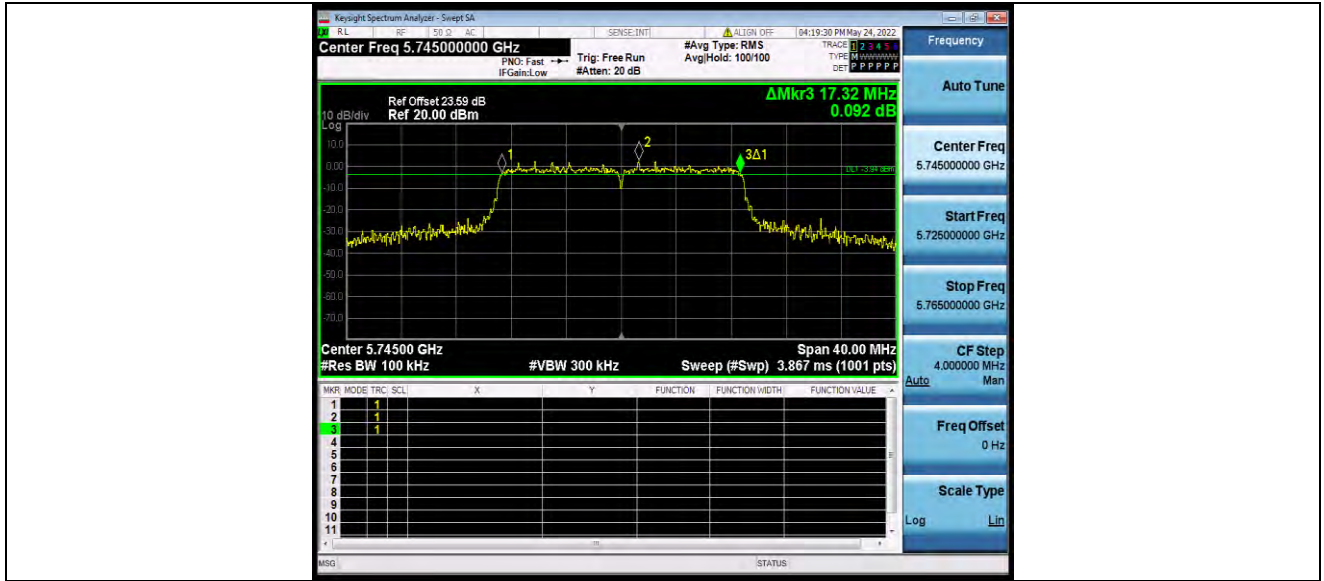


11A20SISO_Ant1_5745

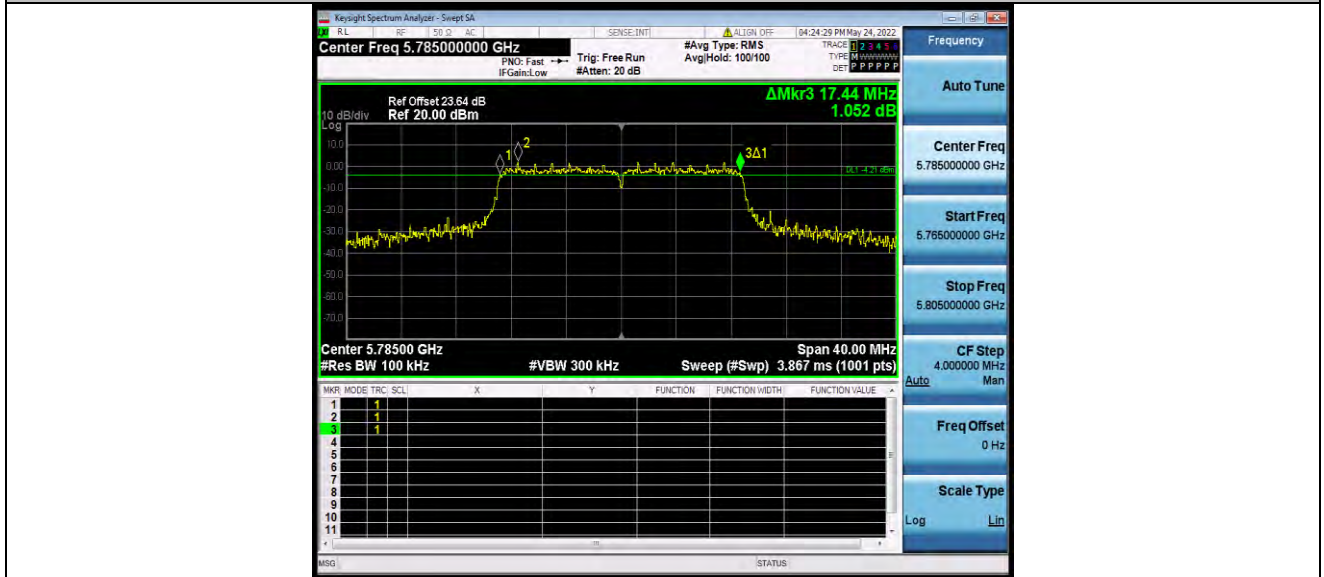


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5785

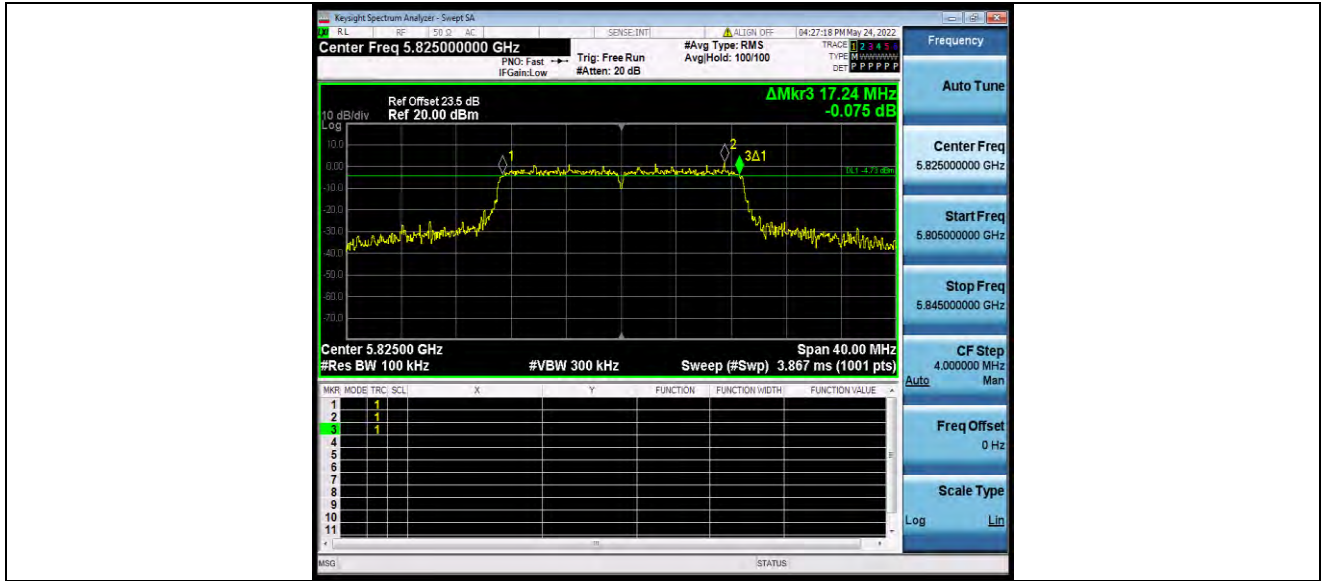


11AC20SISO_Ant1_5825

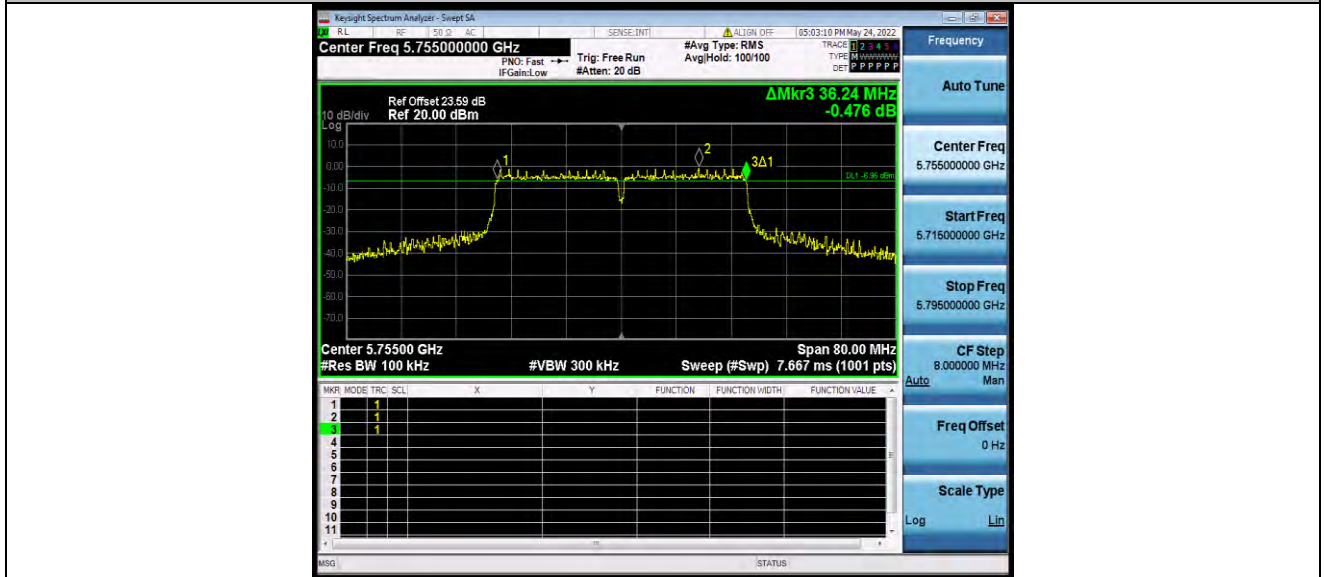


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC40SISO_Ant1_5755

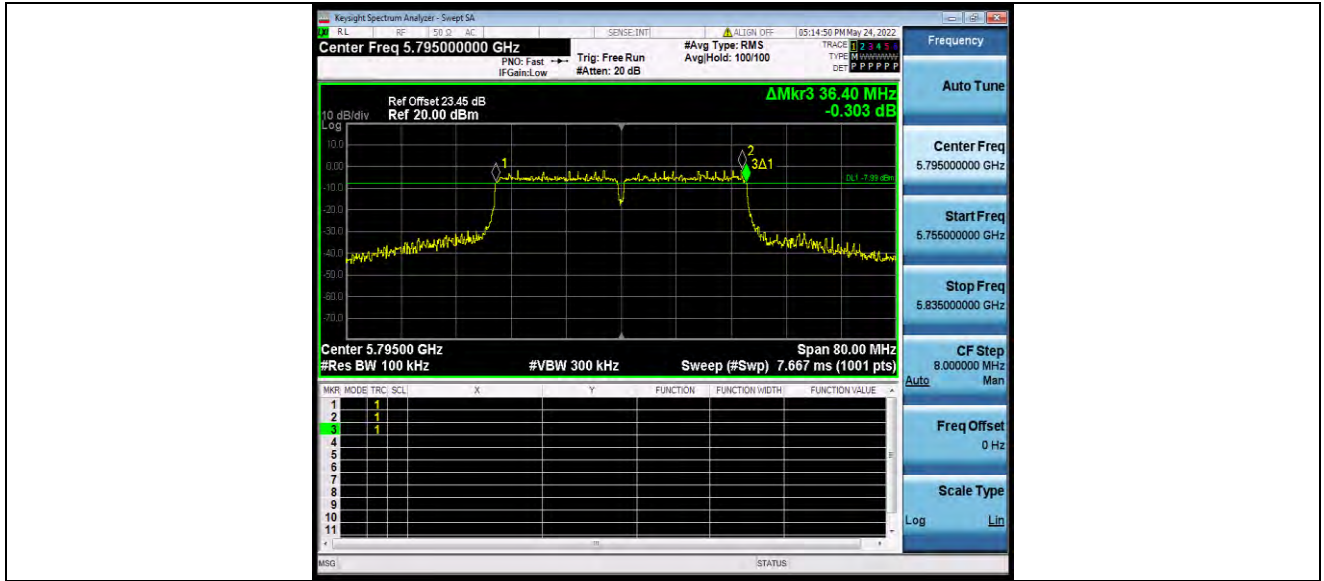


11AC40SISO_Ant1_5795

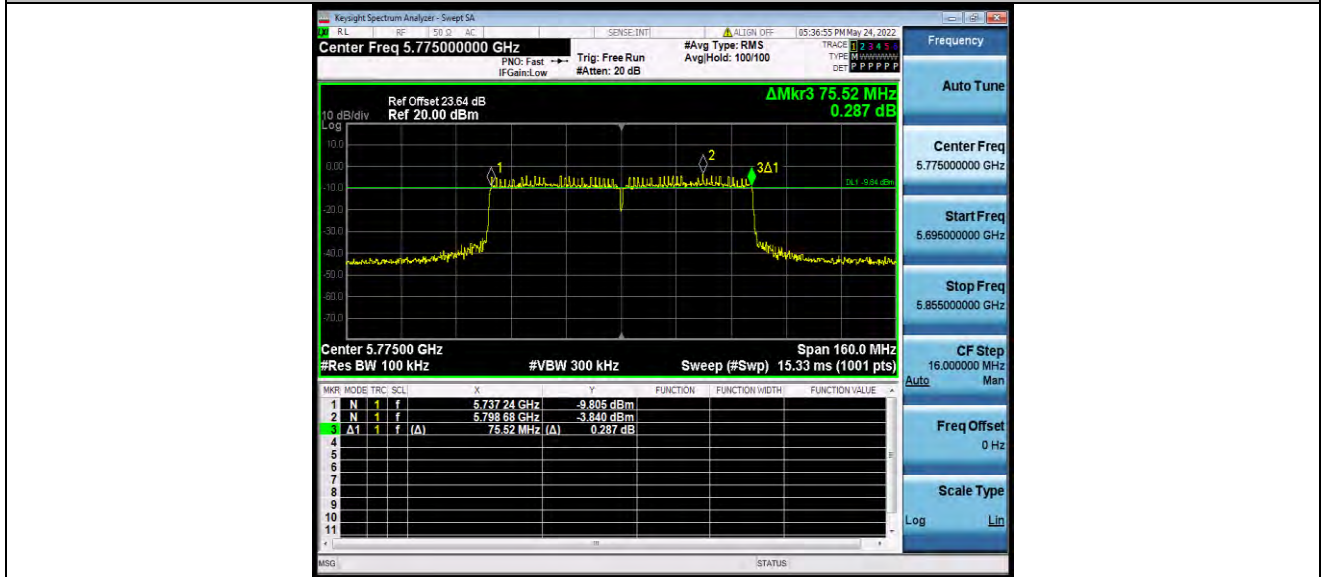


**BUREAU
VERITAS**

Test Report No.: W7L-P22050002RF03



11AC80SISO_Ant1_5775





DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.36	1.43	95.10
		5200	1.36	1.43	95.10
		5240	1.36	1.44	94.44
		5260	1.36	1.45	93.79
		5300	1.36	1.44	94.44
		5320	1.36	1.47	92.52
		5500	1.36	1.43	95.10
		5580	1.37	1.44	95.14
		5700	1.36	1.44	94.44
		5745	1.36	1.44	94.44
		5785	1.36	1.43	95.10
		5825	1.36	1.43	95.10
11N20SISO	Ant1	5180	1.16	1.25	92.80
		5200	1.15	1.23	93.50
		5240	1.15	1.24	92.74
		5260	1.15	1.22	94.26
		5300	1.15	1.22	94.26
		5320	1.15	1.23	93.50
		5500	1.15	1.24	92.74
		5580	1.15	1.22	94.26
		5700	1.15	1.22	94.26
		5745	1.15	1.22	94.26
		5785	1.15	1.22	94.26
		5825	1.15	1.22	94.26
11N40SISO	Ant1	5190	0.58	0.65	89.23
		5230	0.58	0.65	89.23
		5270	0.58	0.65	89.23
		5310	0.57	0.65	87.69
		5510	0.58	0.67	86.57
		5550	0.57	0.65	87.69



		5670	0.57	0.65	87.69
		5755	0.58	0.67	86.57
		5795	0.58	0.65	89.23
11AC20SISO	Ant1	5180	1.16	1.26	92.06
		5200	1.16	1.24	93.55
		5240	1.16	1.23	94.31
		5260	1.15	1.23	93.50
		5300	1.16	1.24	93.55
		5320	1.16	1.23	94.31
		5500	1.16	1.24	93.55
		5580	1.16	1.23	94.31
		5700	1.16	1.24	93.55
		5745	1.16	1.25	92.80
		5785	1.16	1.48	78.38
		5825	1.16	1.23	94.31
		11AC40SISO	Ant1	5190	0.58
5230	0.58			0.65	89.23
5270	0.58			0.66	87.88
5310	0.58			0.66	87.88
5510	0.58			0.67	86.57
5550	0.58			0.67	86.57
5670	0.58			0.66	87.88
5755	0.58			0.65	89.23
5795	0.58			0.70	82.86
11AC80SISO	Ant1	5210	0.29	0.36	80.56
		5290	0.29	0.40	72.50
		5530	0.29	0.36	80.56
		5610	0.29	0.39	74.36
		5775	0.29	0.37	78.38

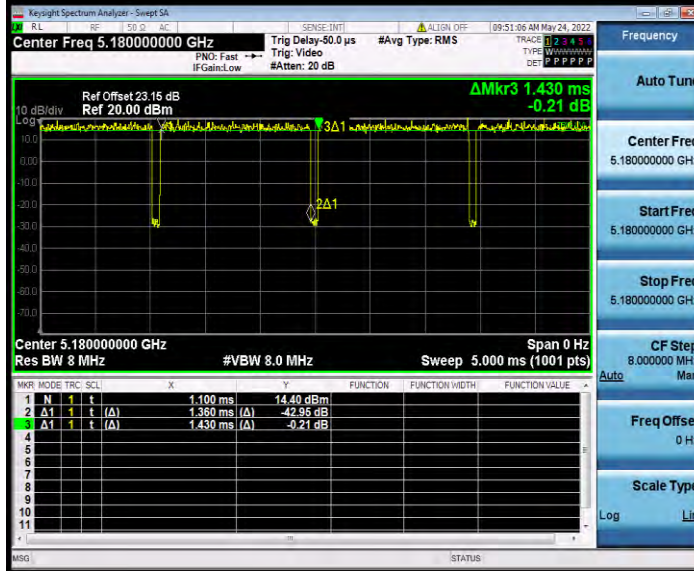


BUREAU VERITAS

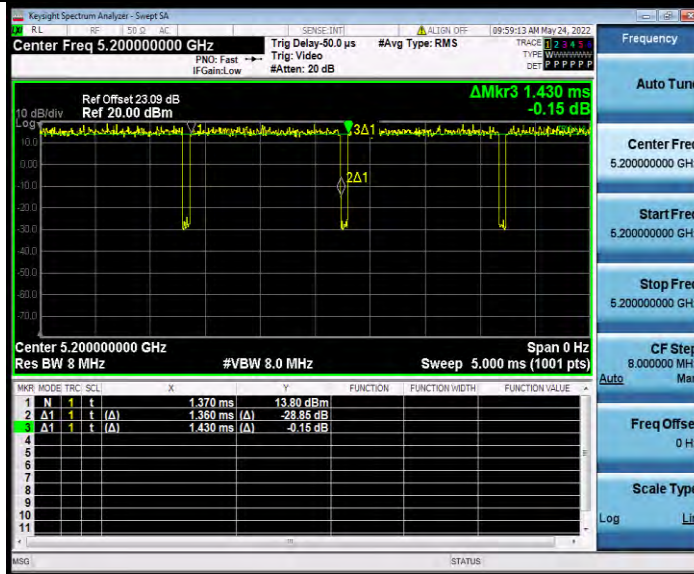
Test Report No.: W7L-P22050002RF03

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200

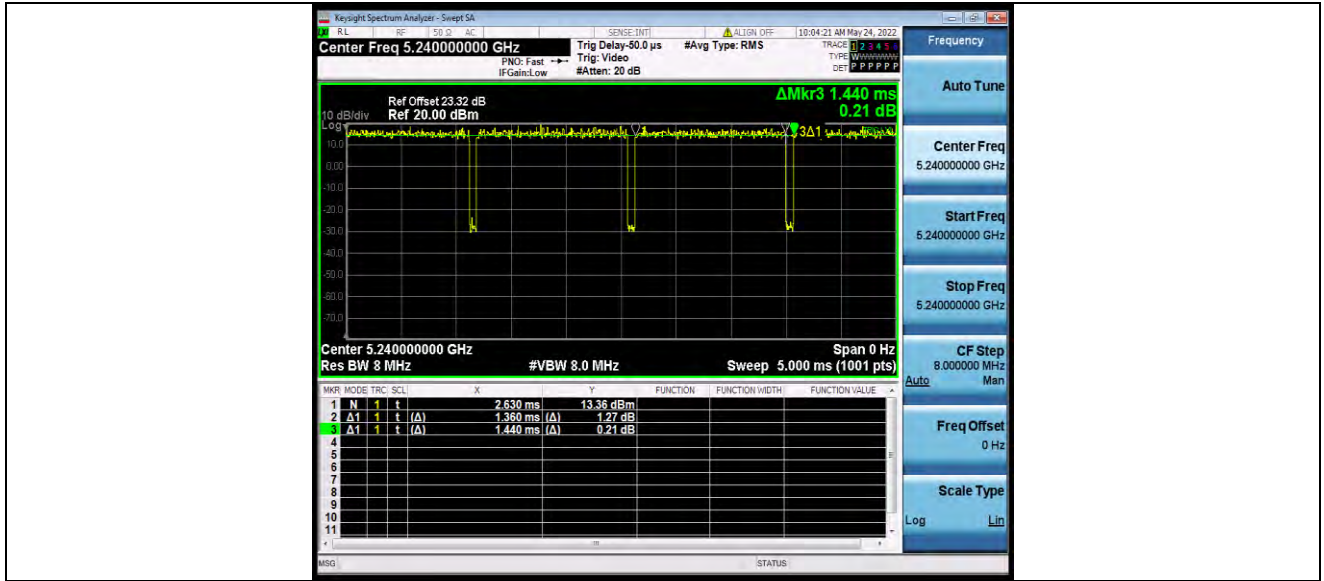


11A_Ant1_5240

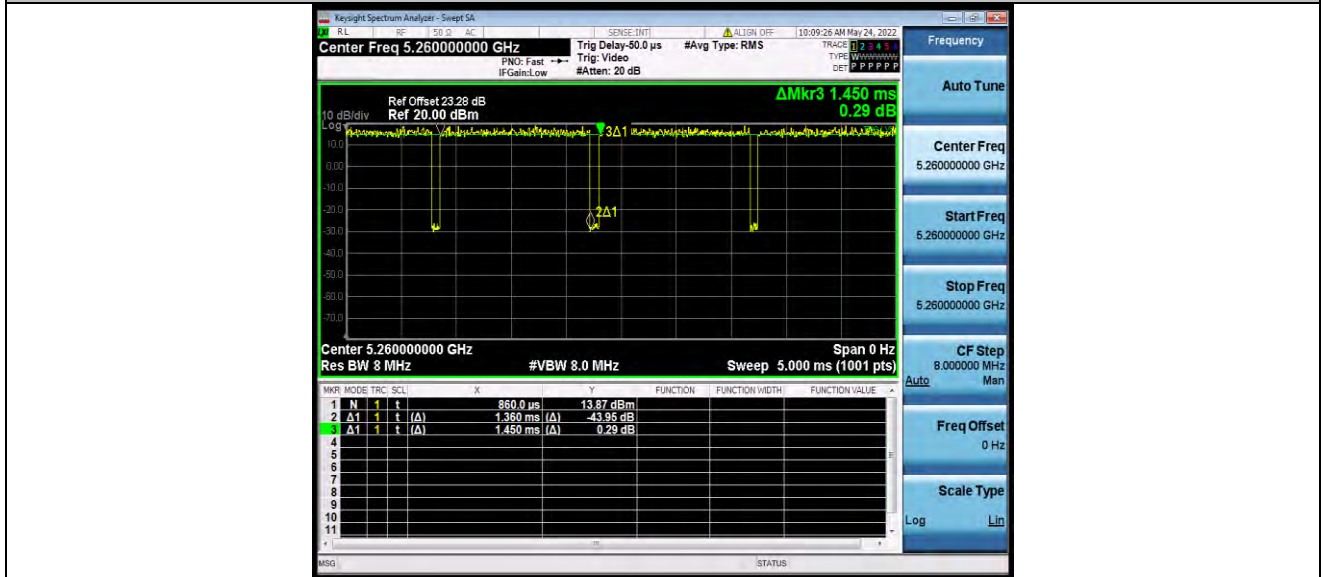


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5260

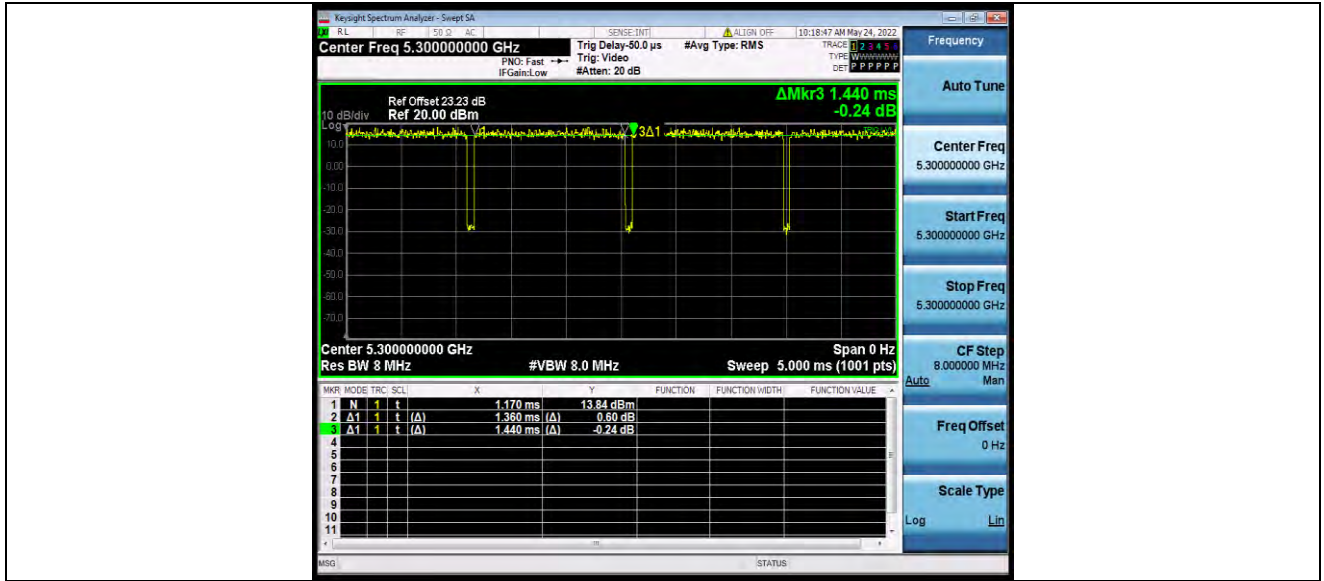


11A_Ant1_5300

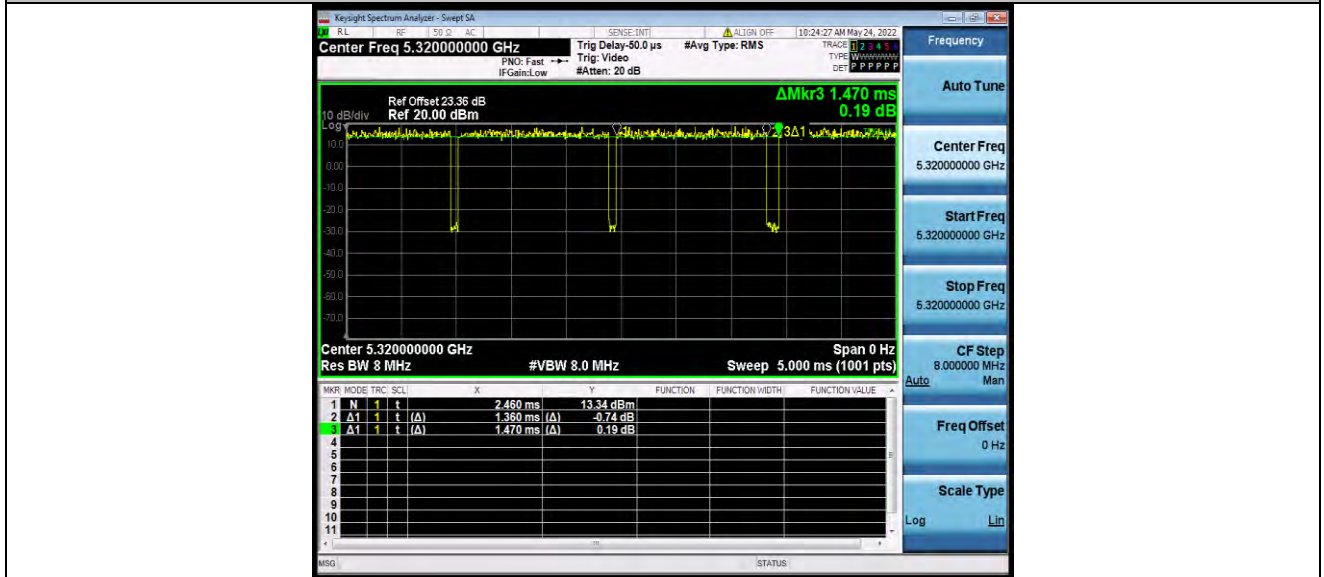


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5320

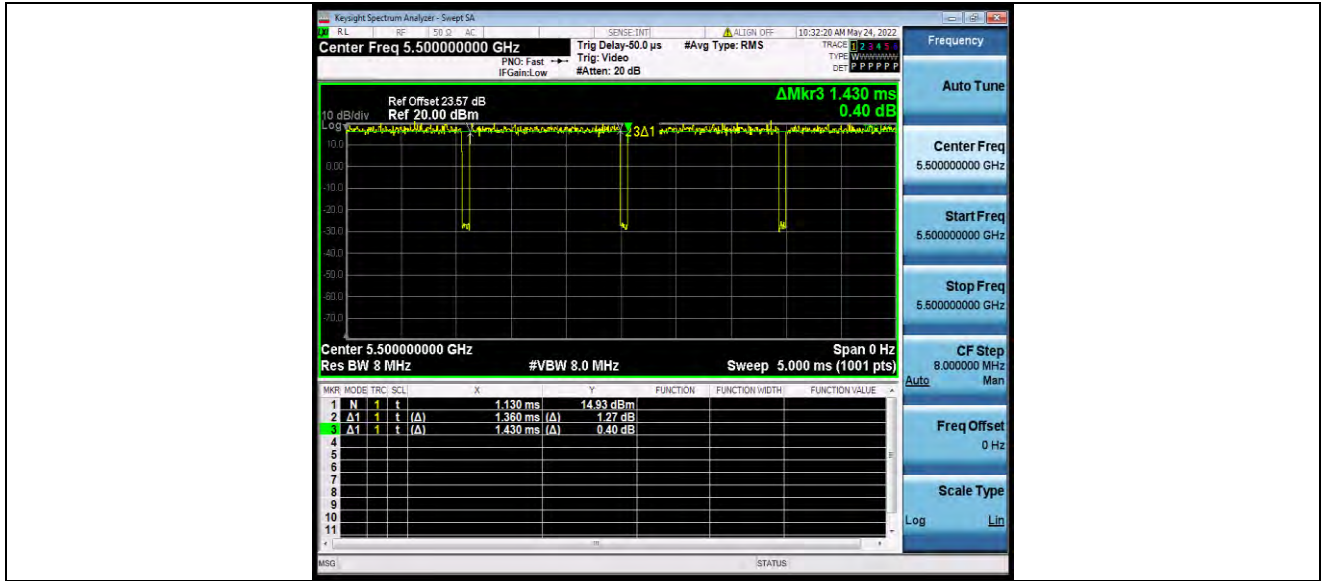


11A_Ant1_5500

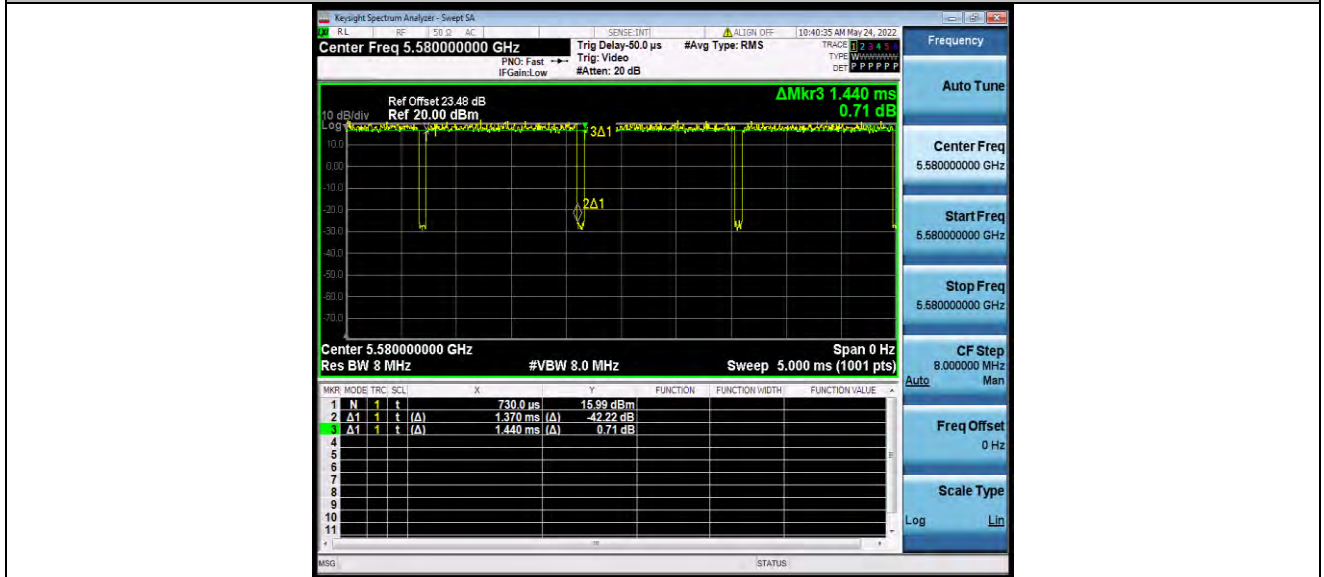


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5580

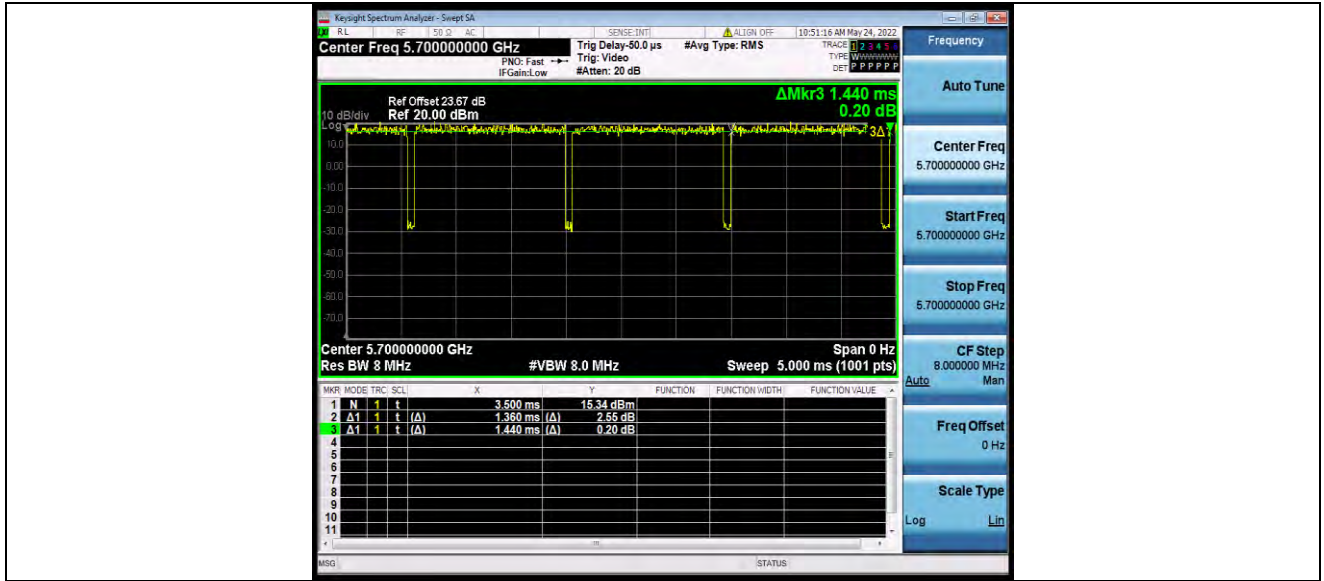


11A_Ant1_5700

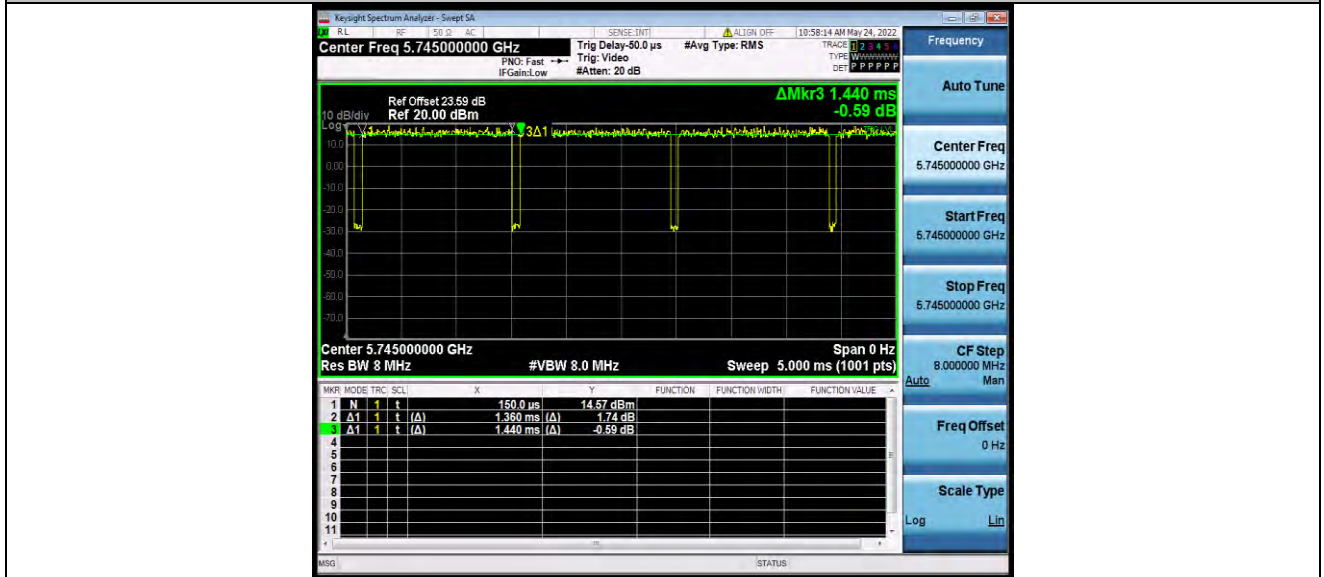


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5745

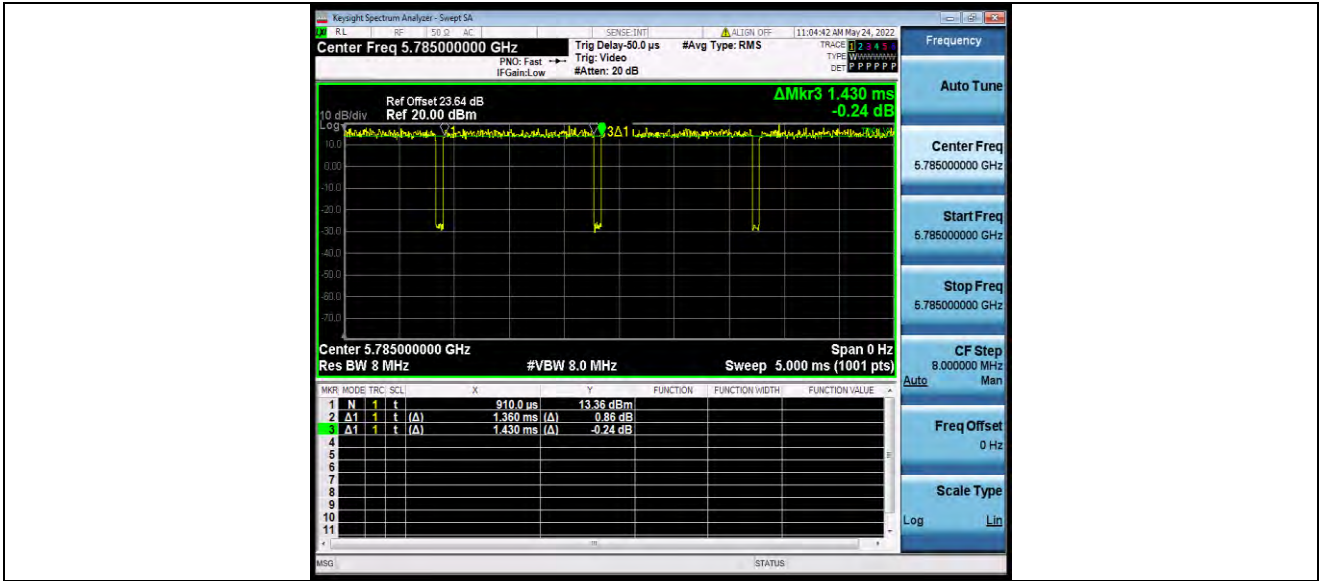


11A_Ant1_5785

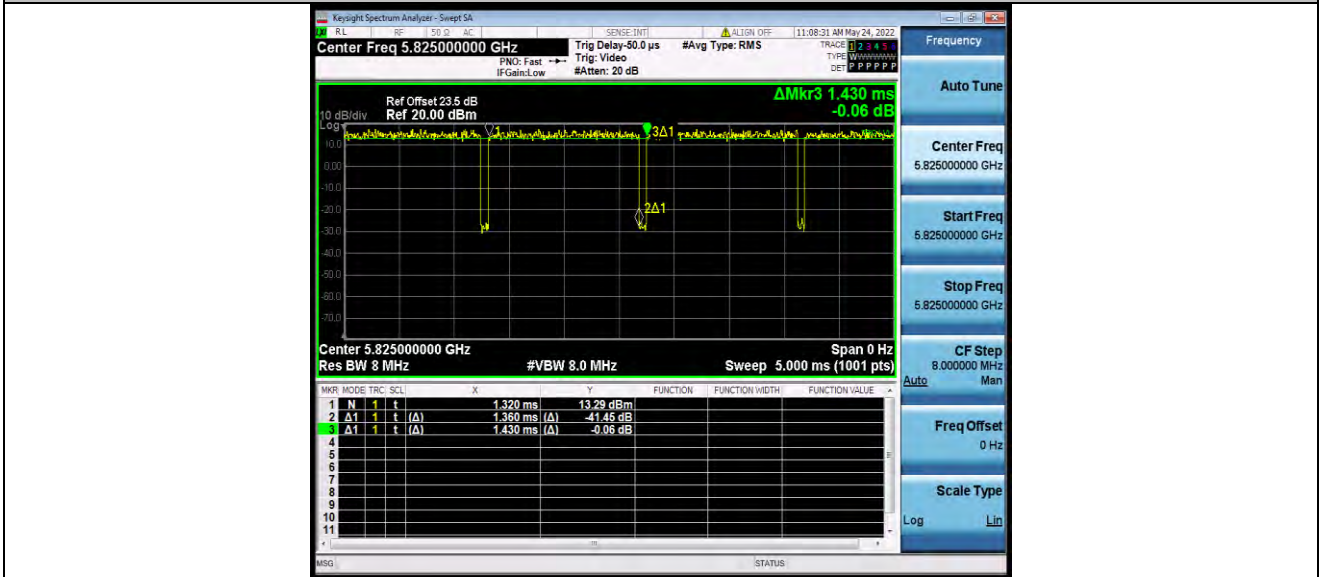


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5825

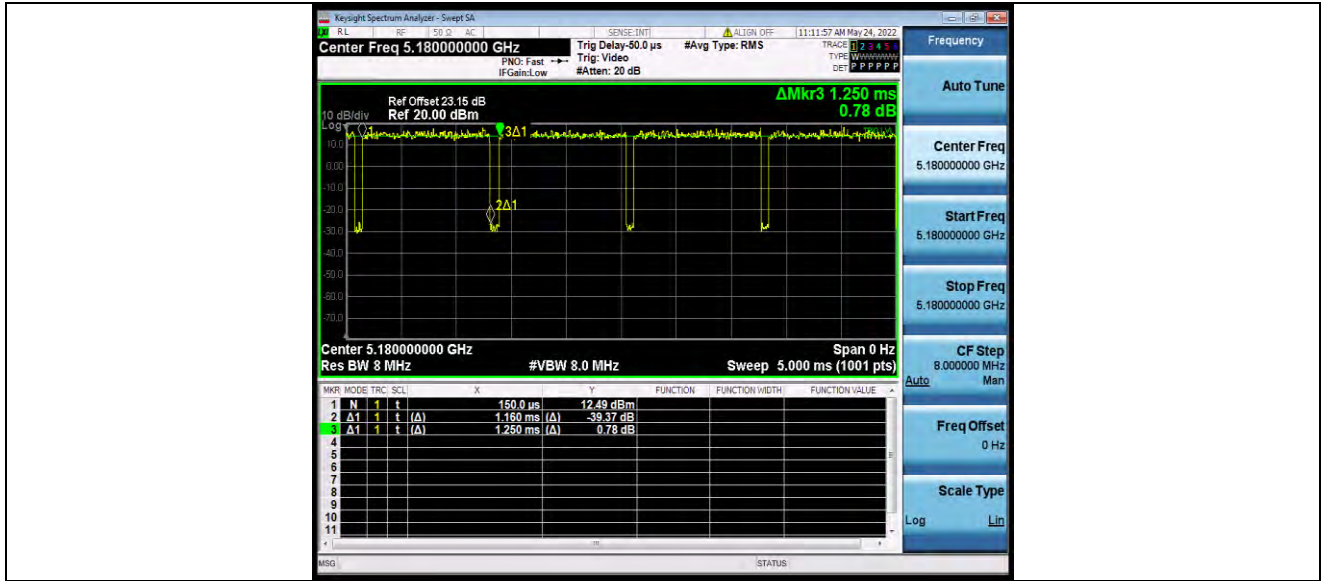


11N20SISO_Ant1_5180

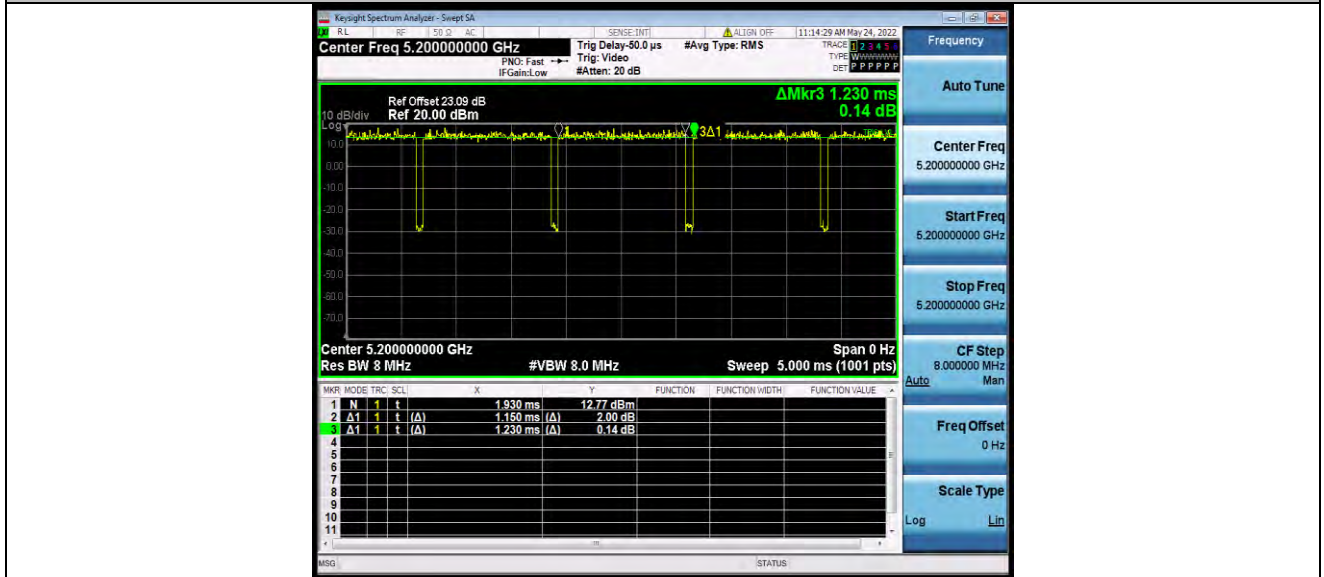


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5200

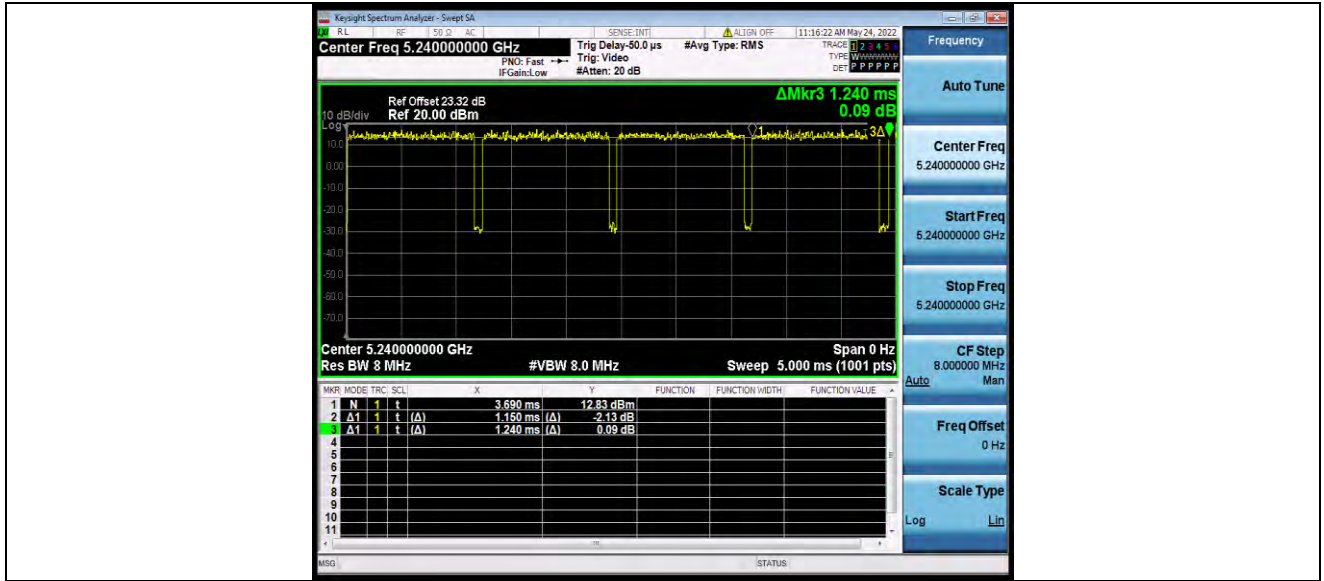


11N20SISO_Ant1_5240

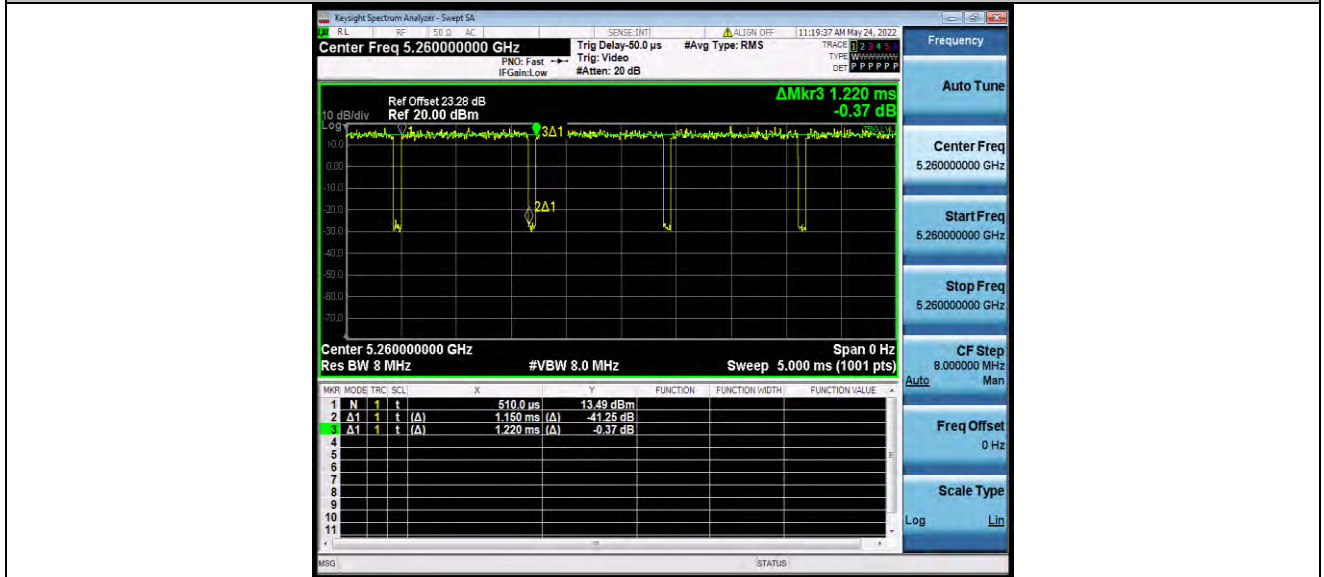


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5260

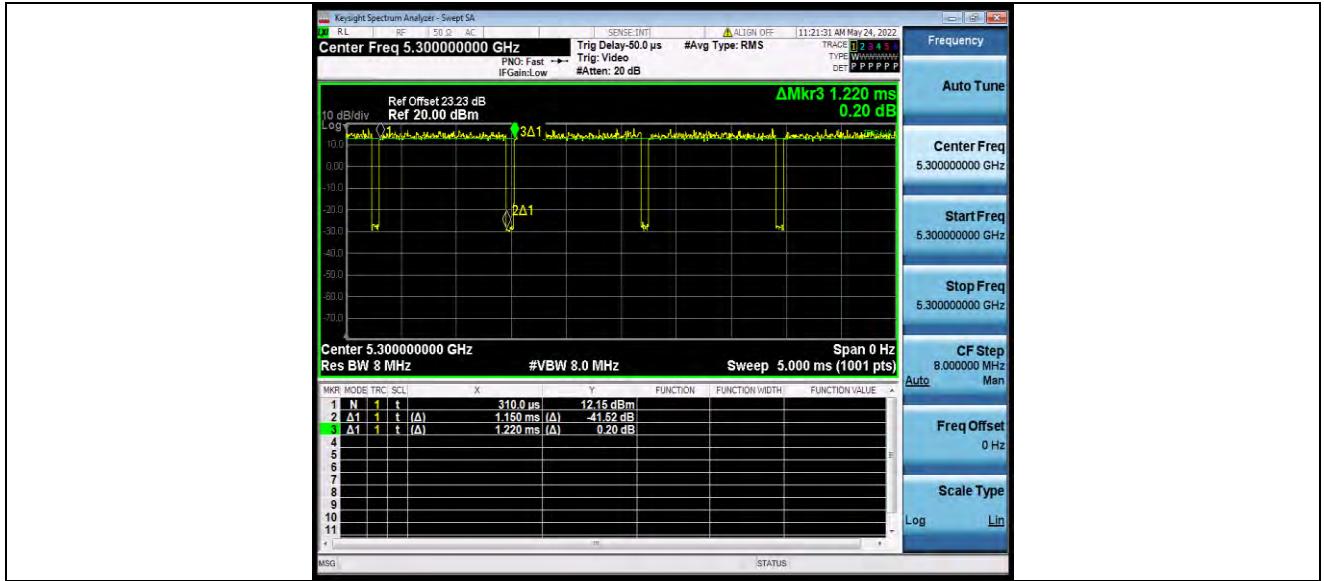


11N20SISO_Ant1_5300

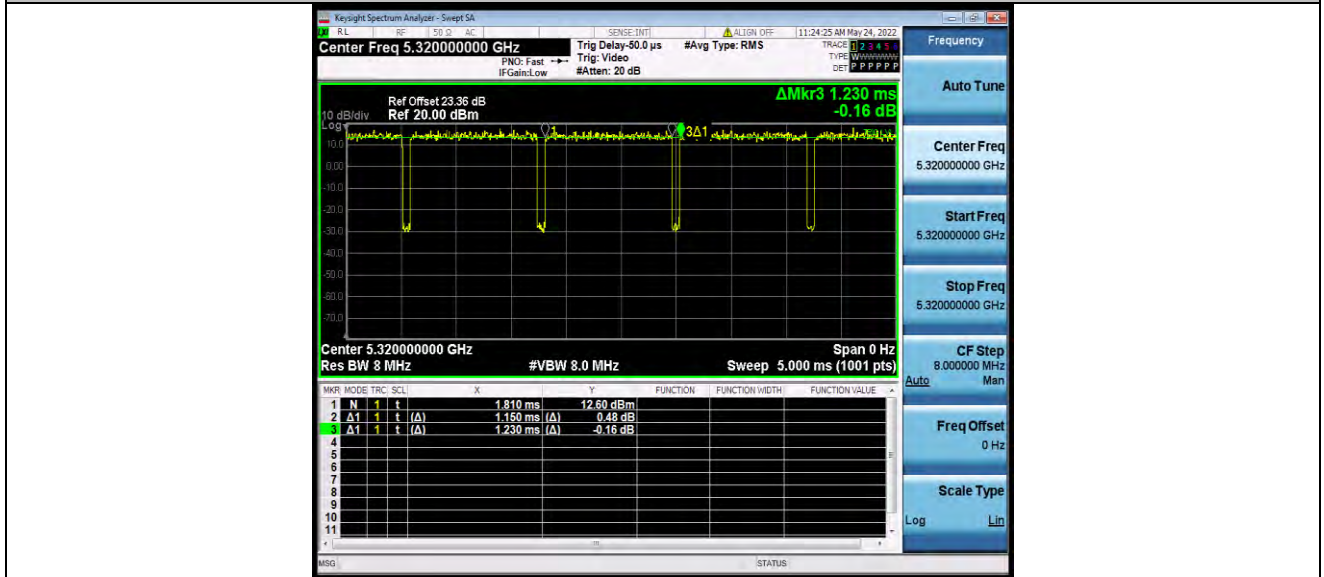


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5320

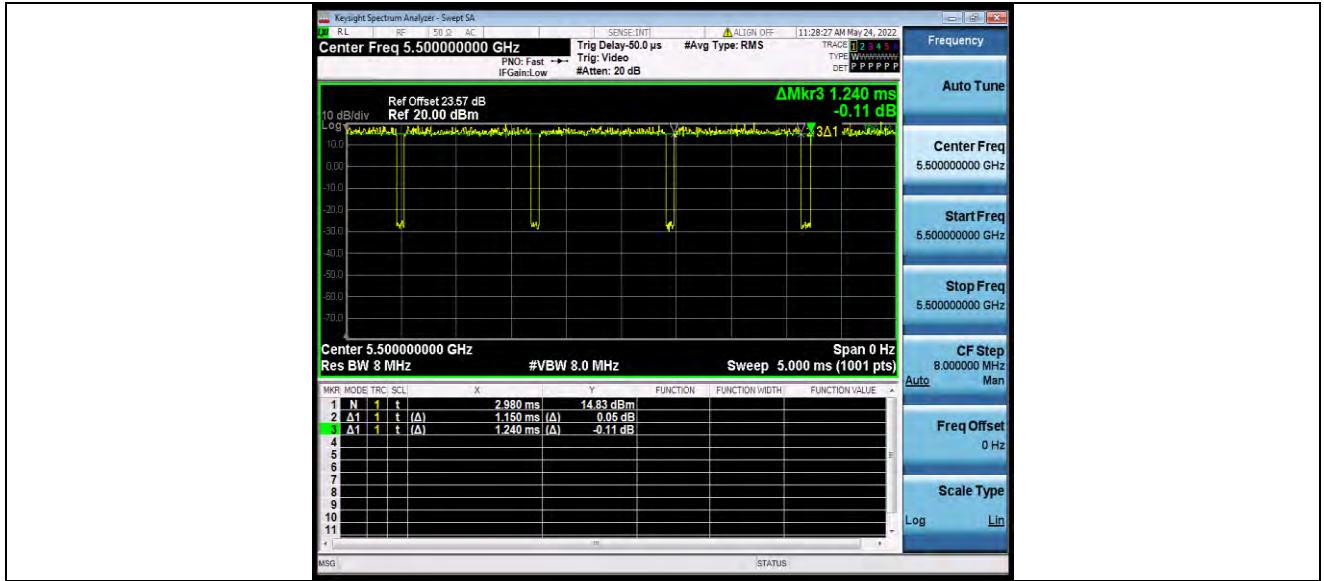


11N20SISO_Ant1_5500

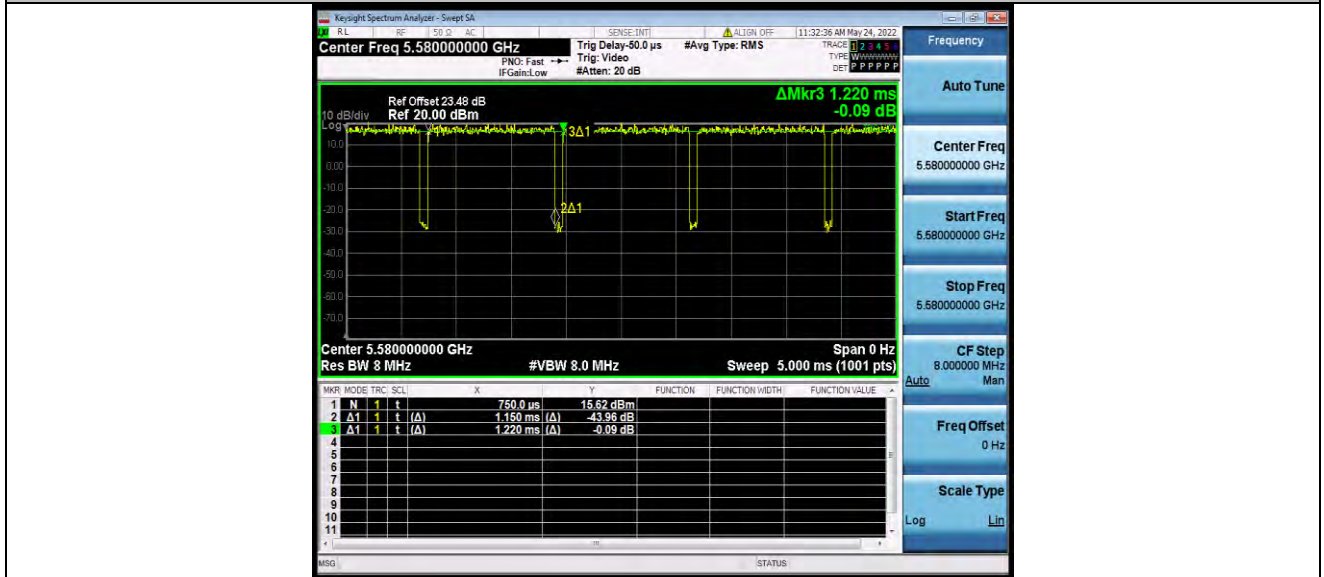


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5580

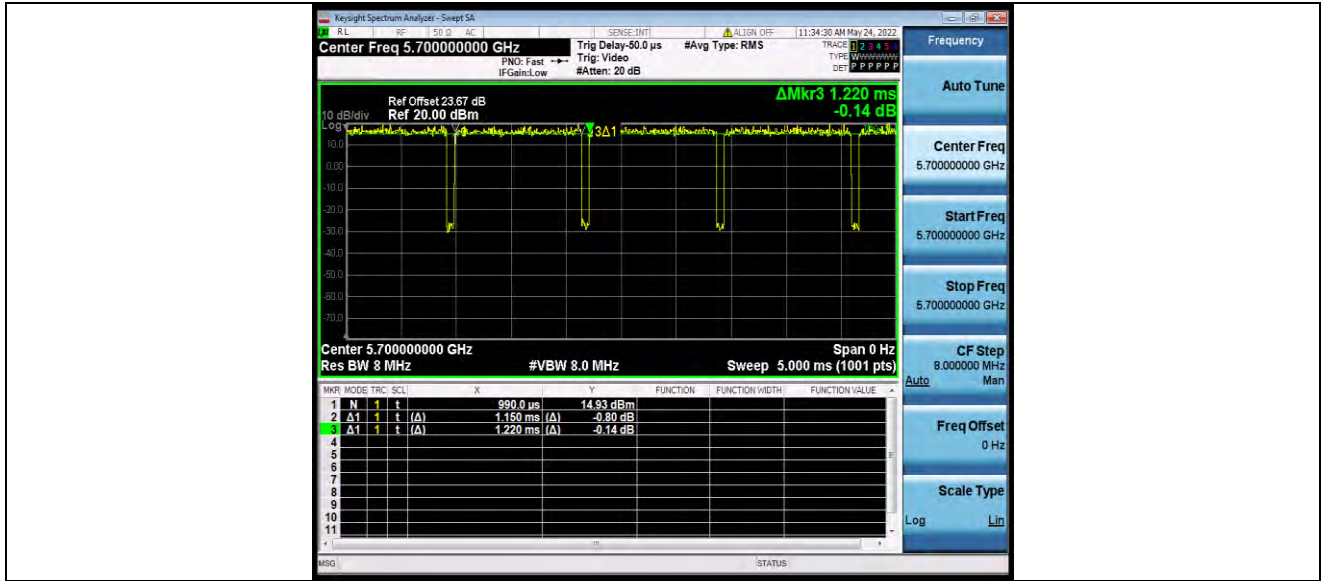


11N20SISO_Ant1_5700

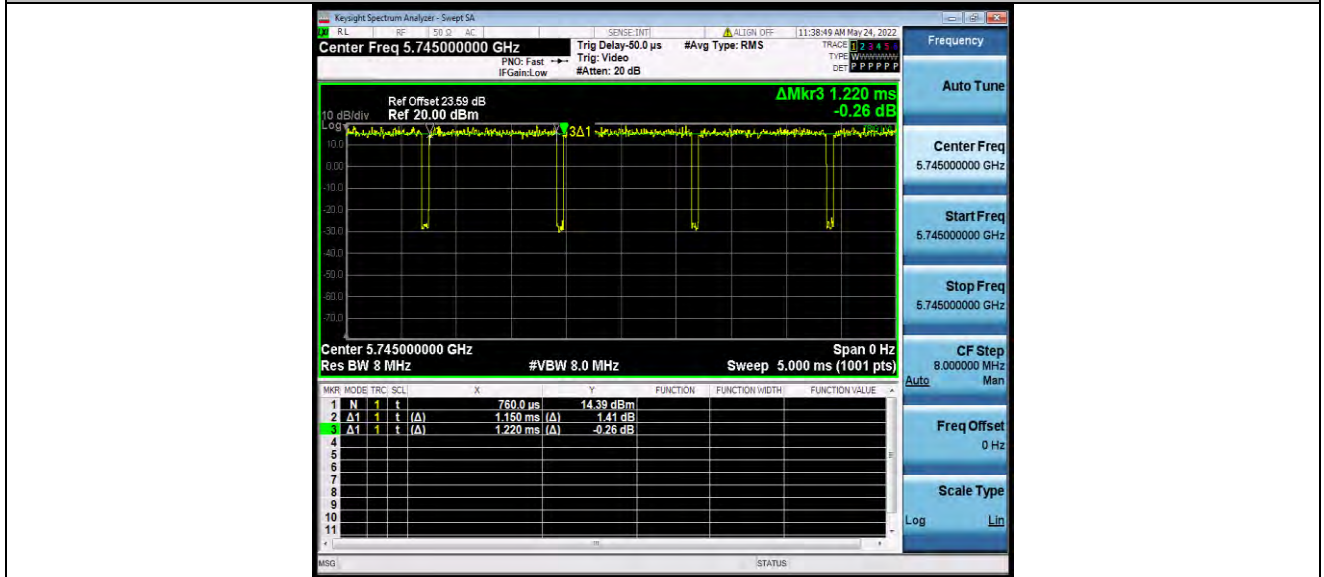


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5745

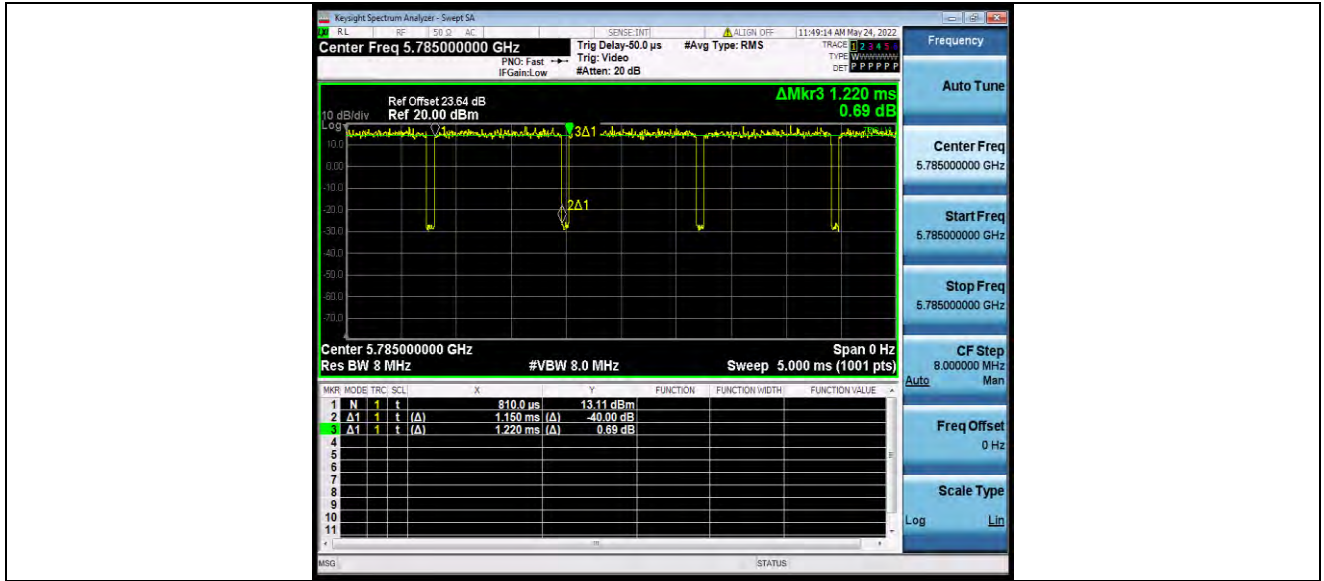


11N20SISO_Ant1_5785

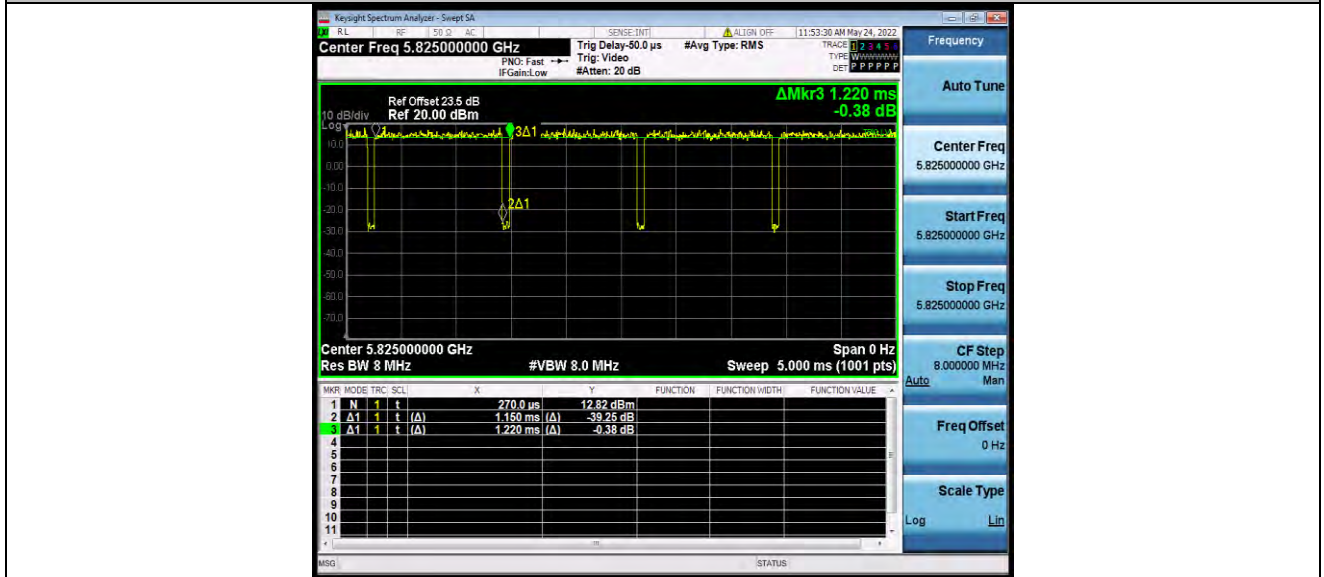


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5825

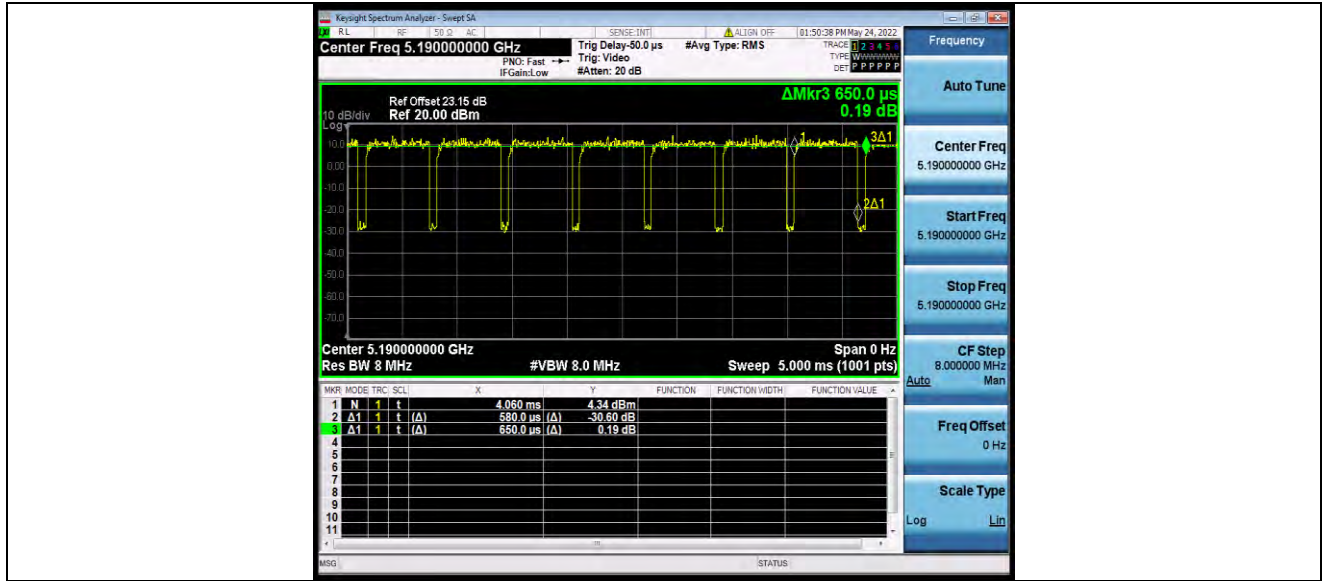


11N40SISO_Ant1_5190

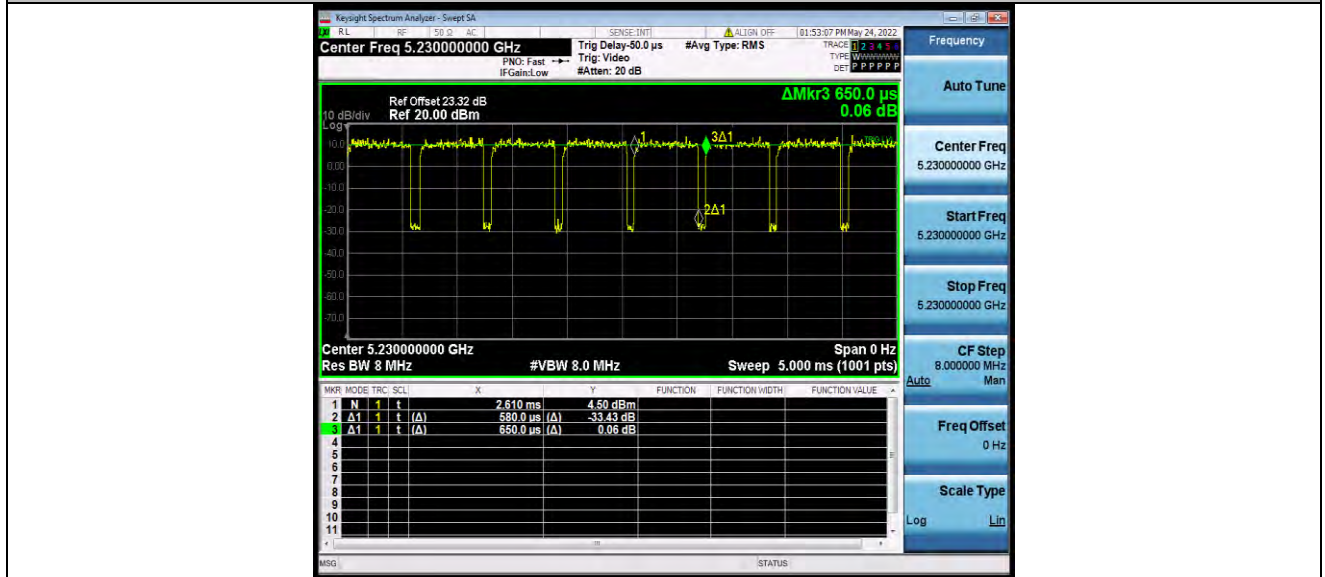


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N40SISO_Ant1_5230

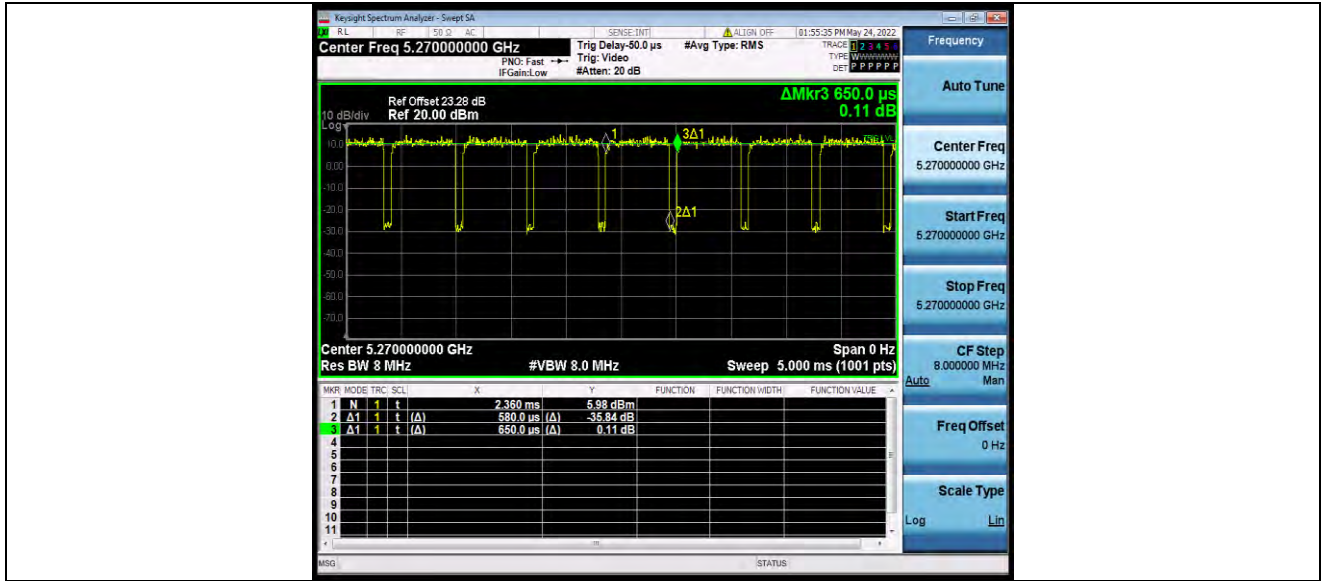


11N40SISO_Ant1_5270

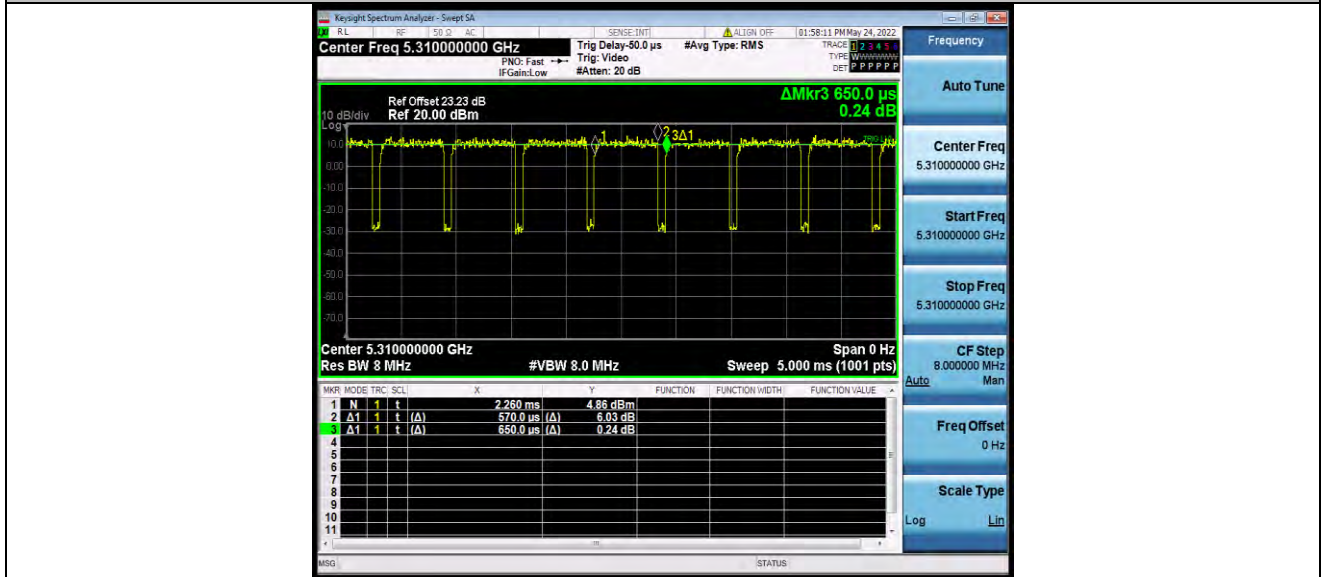


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N40SISO_Ant1_5310

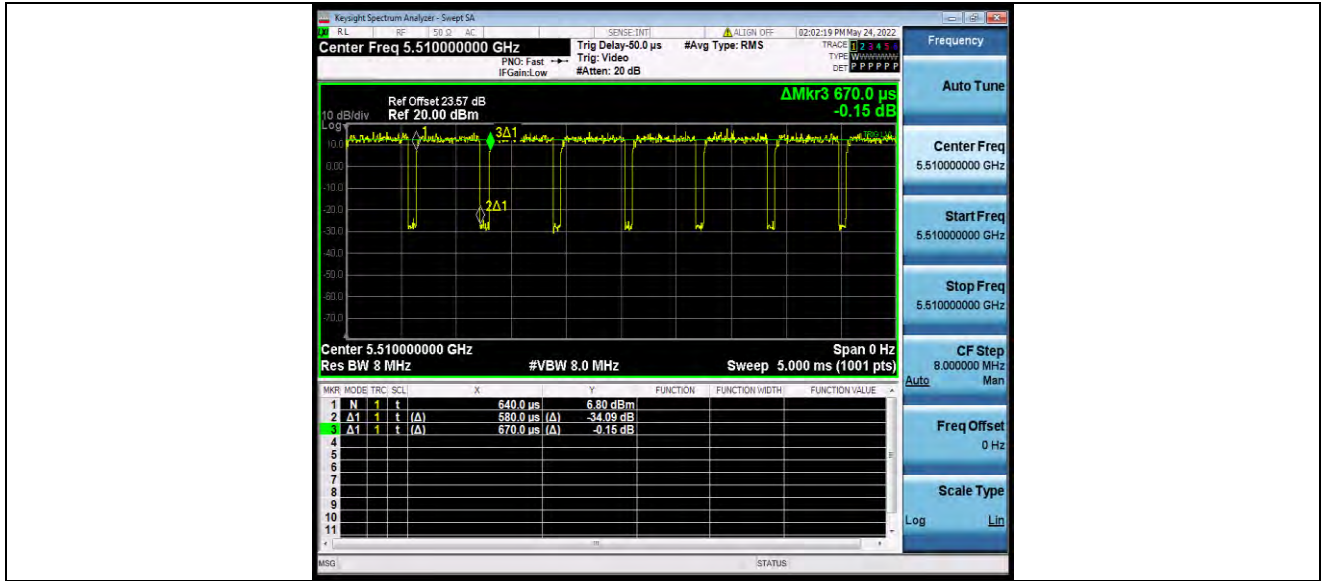


11N40SISO_Ant1_5510

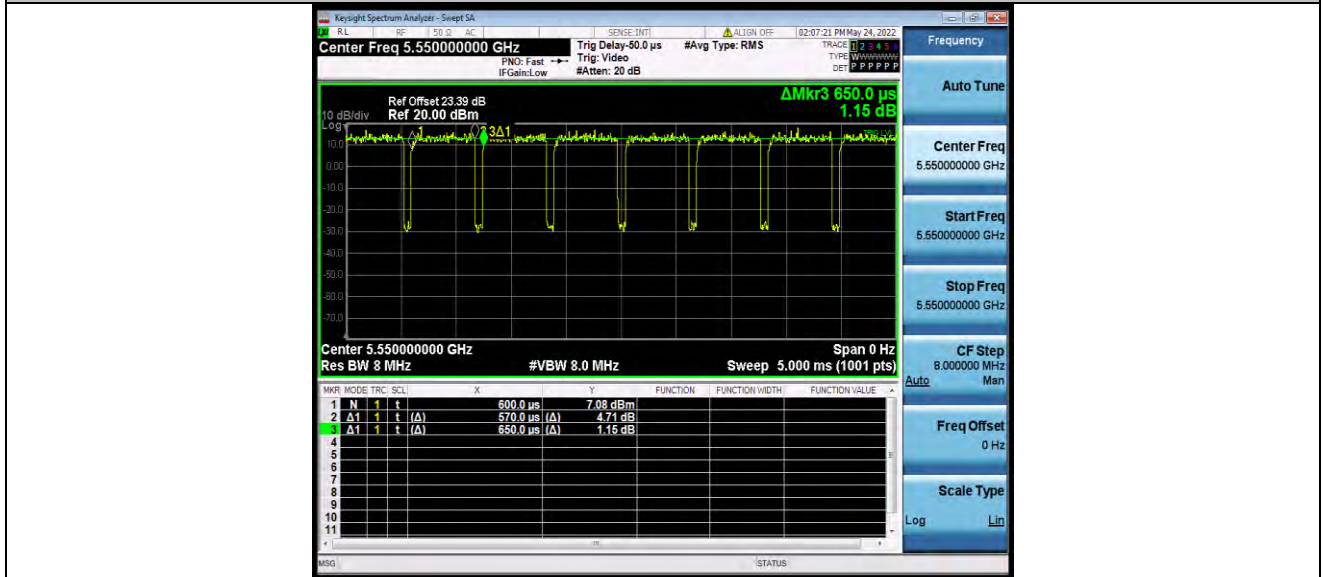


**BUREAU
VERITAS**

Test Report No.: W7L-P22050002RF03



11N40SISO_Ant1_5550

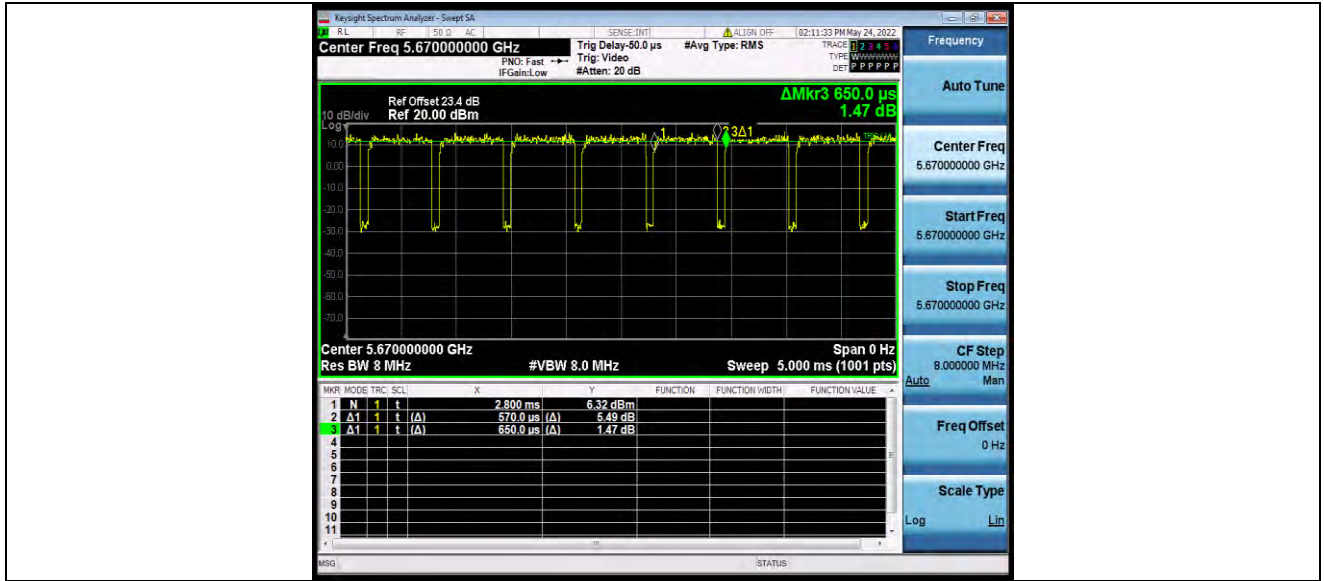


11N40SISO_Ant1_5670

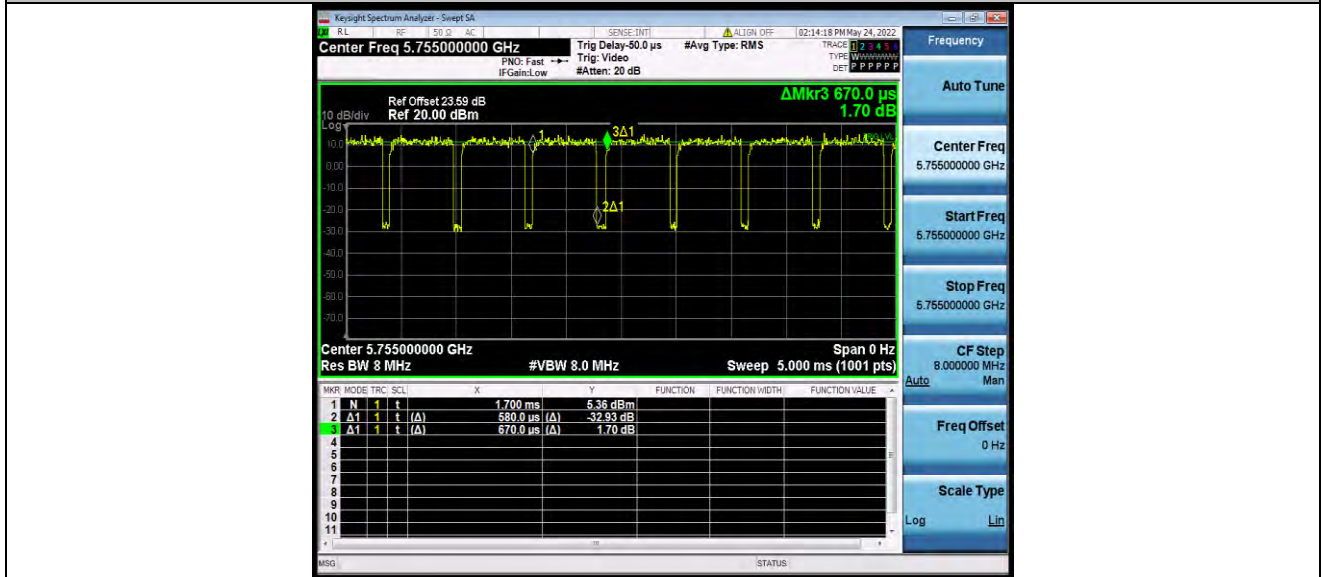


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N40SISO_Ant1_5755

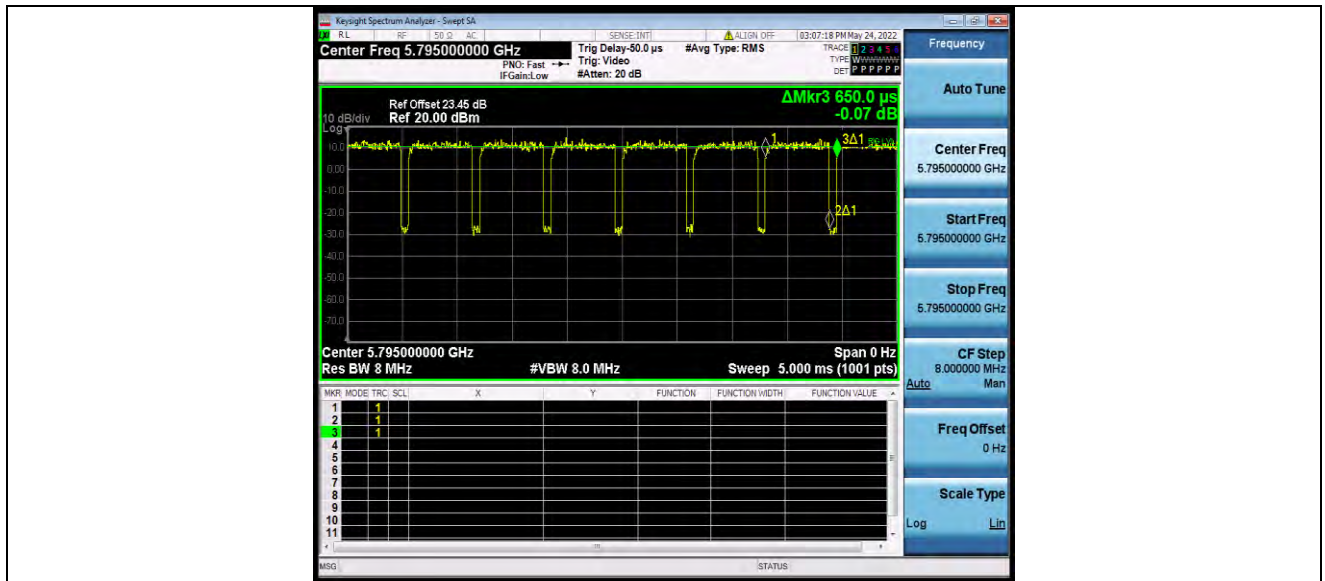


11N40SISO_Ant1_5795

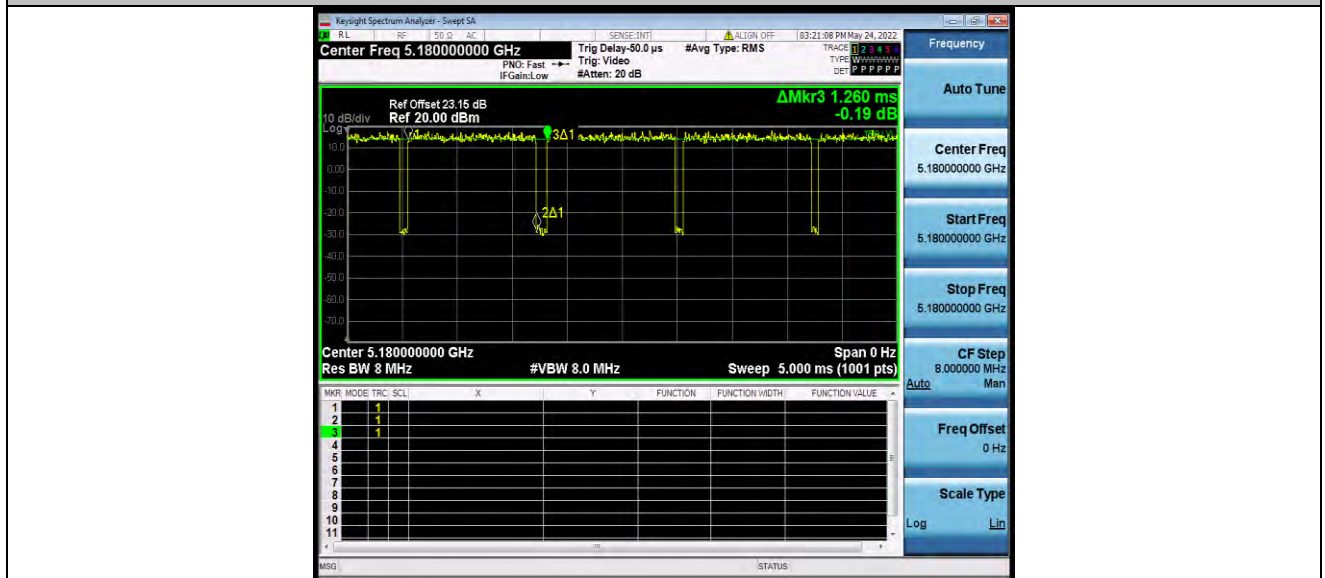


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5180

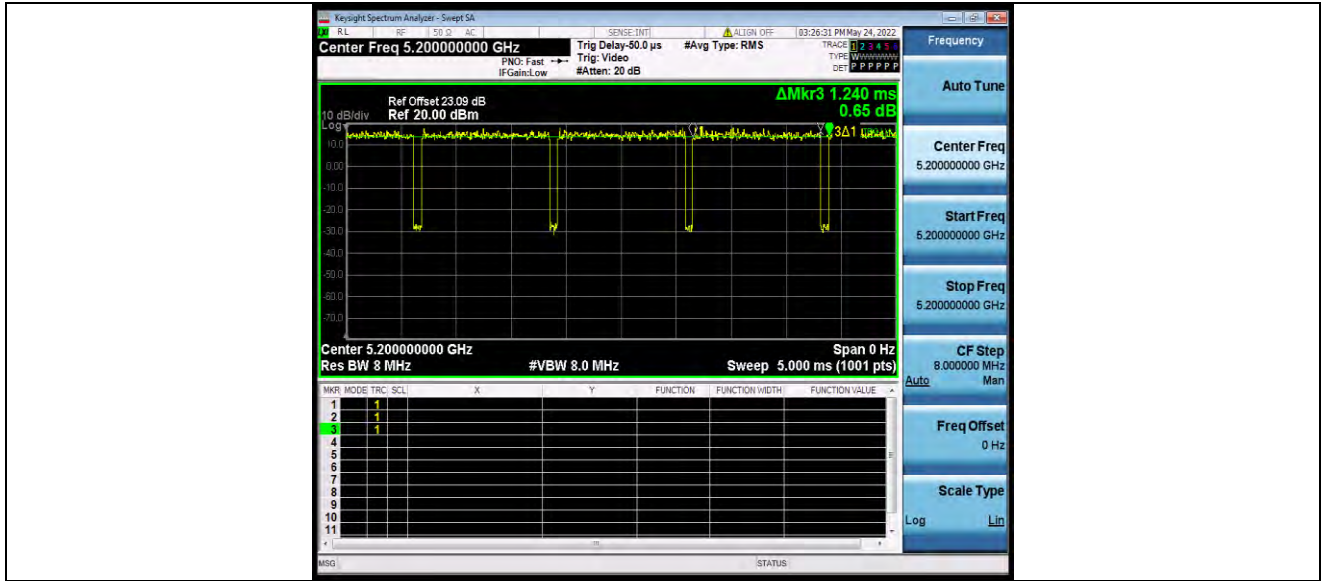


11AC20SISO_Ant1_5200

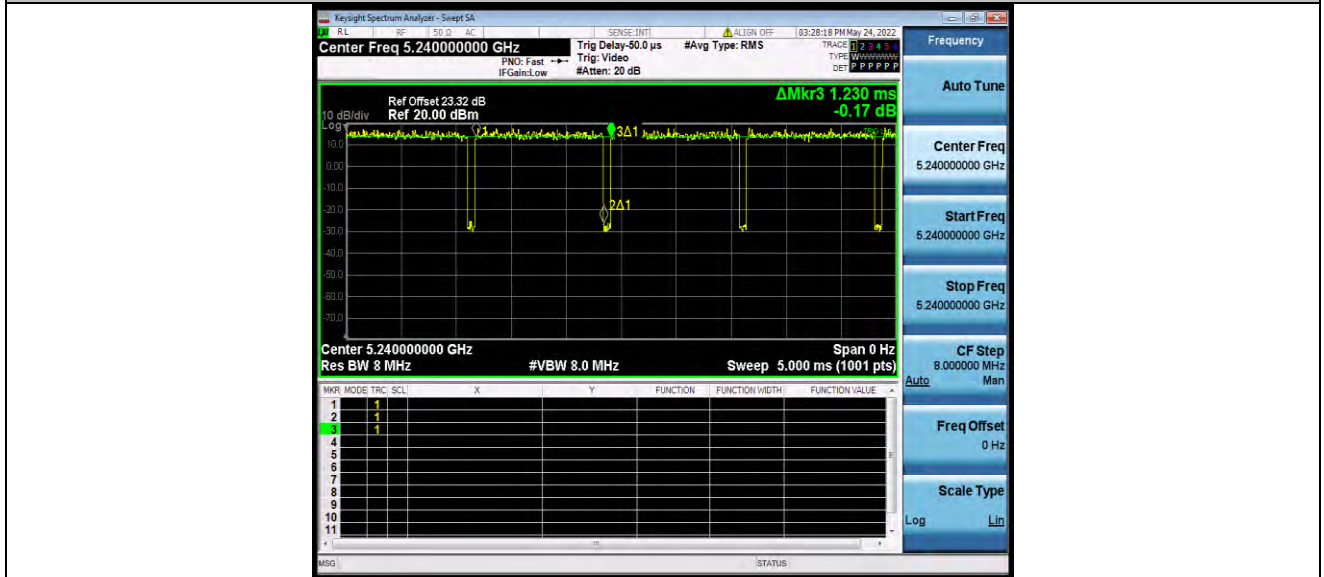


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5240

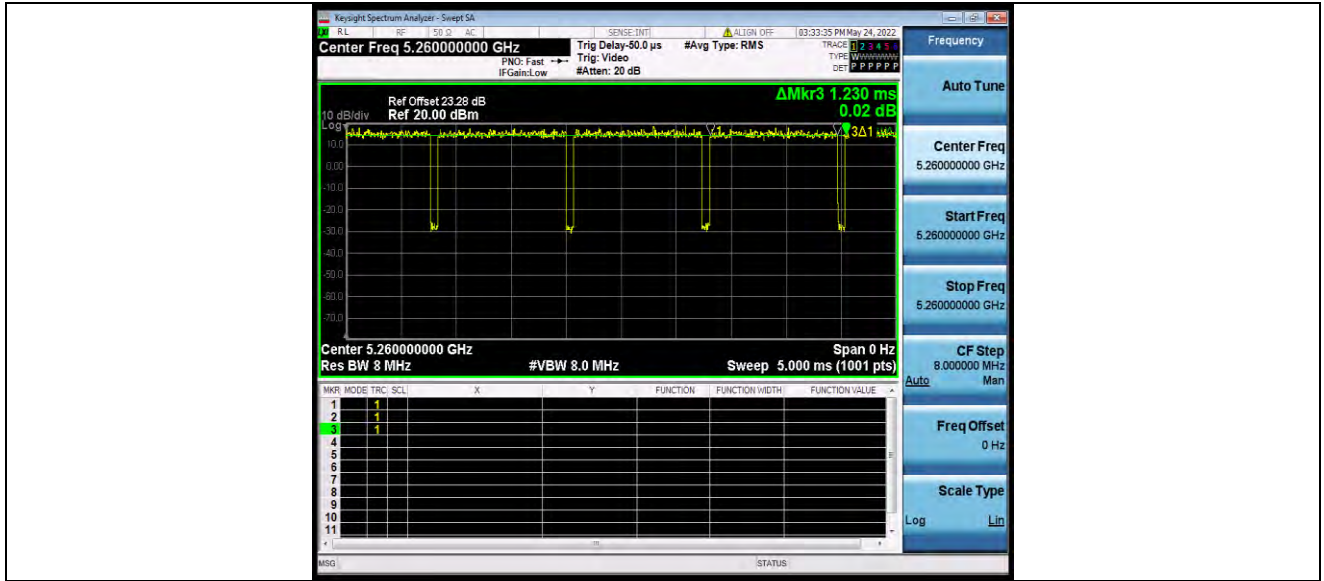


11AC20SISO_Ant1_5260

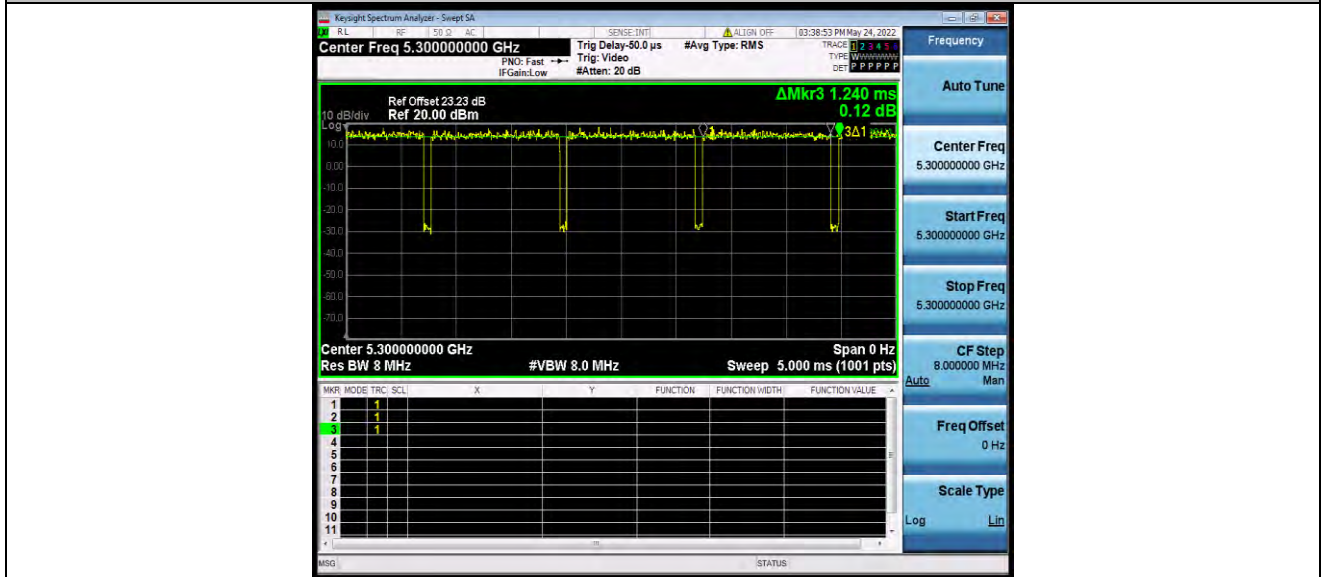


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5300

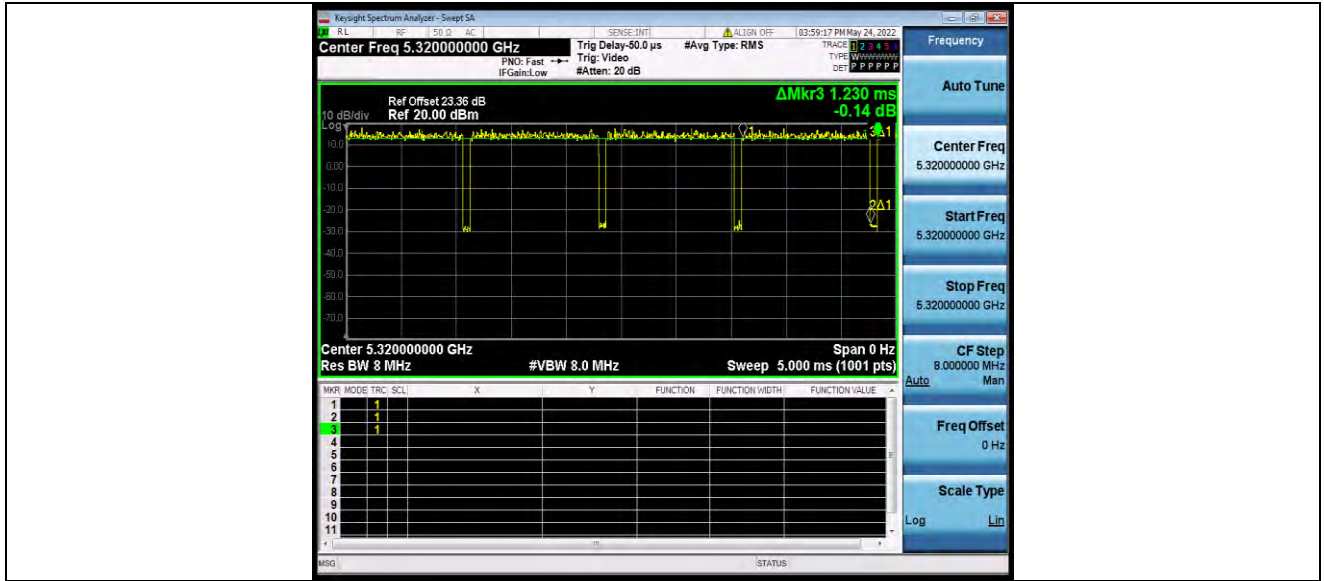


11AC20SISO_Ant1_5320

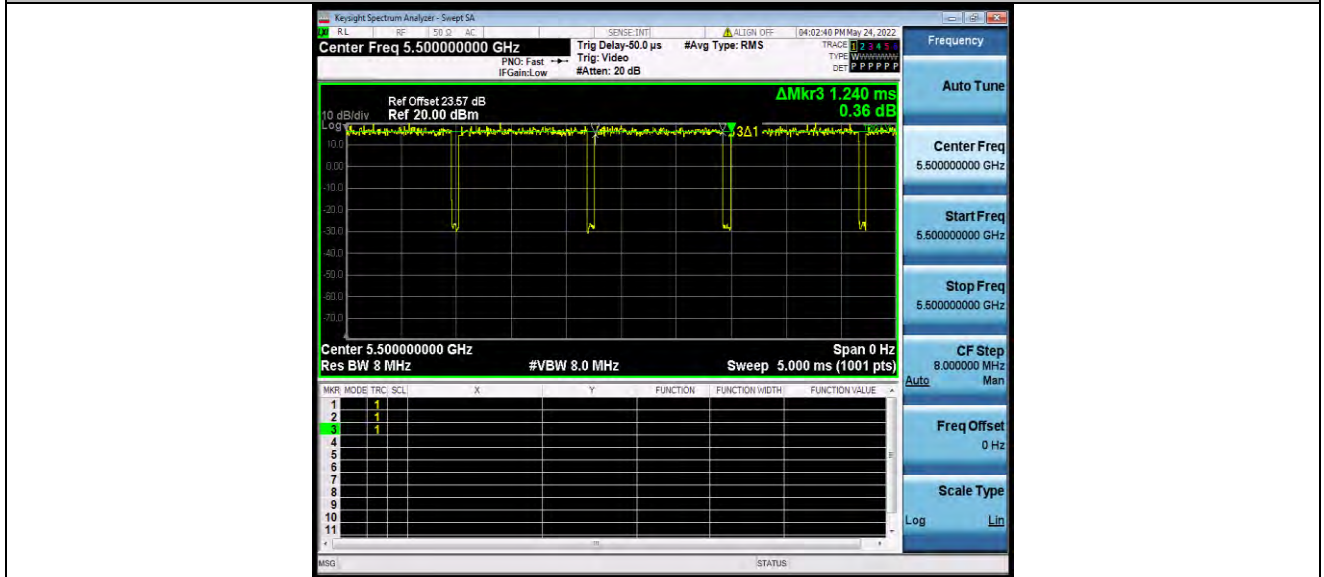


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5500

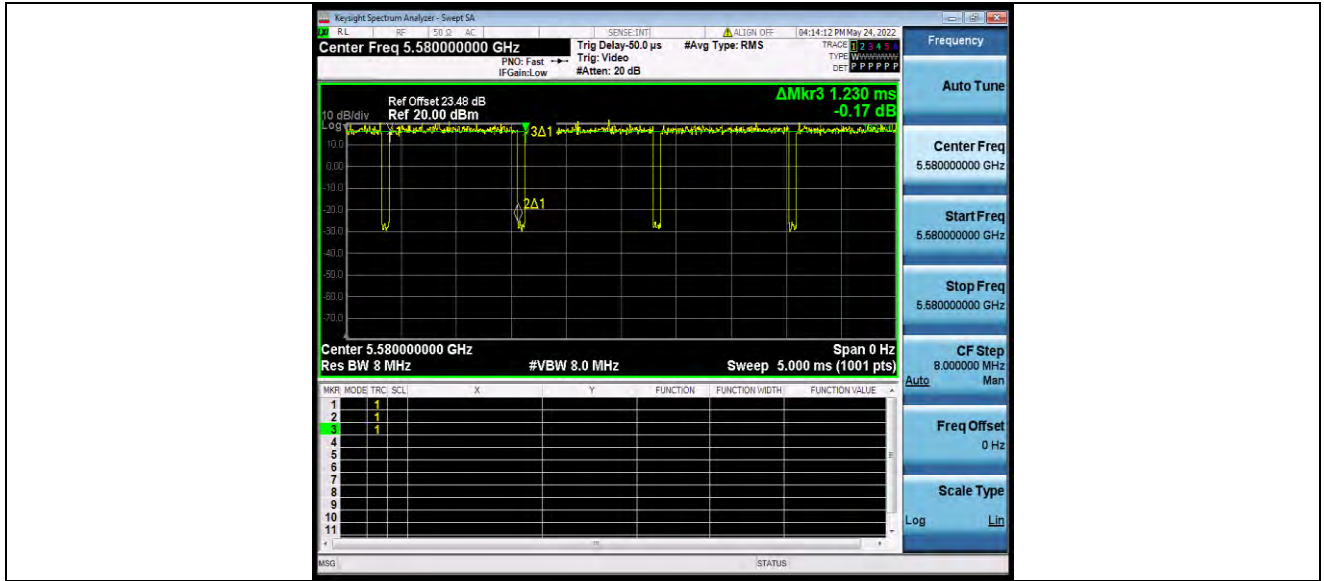


11AC20SISO_Ant1_5580

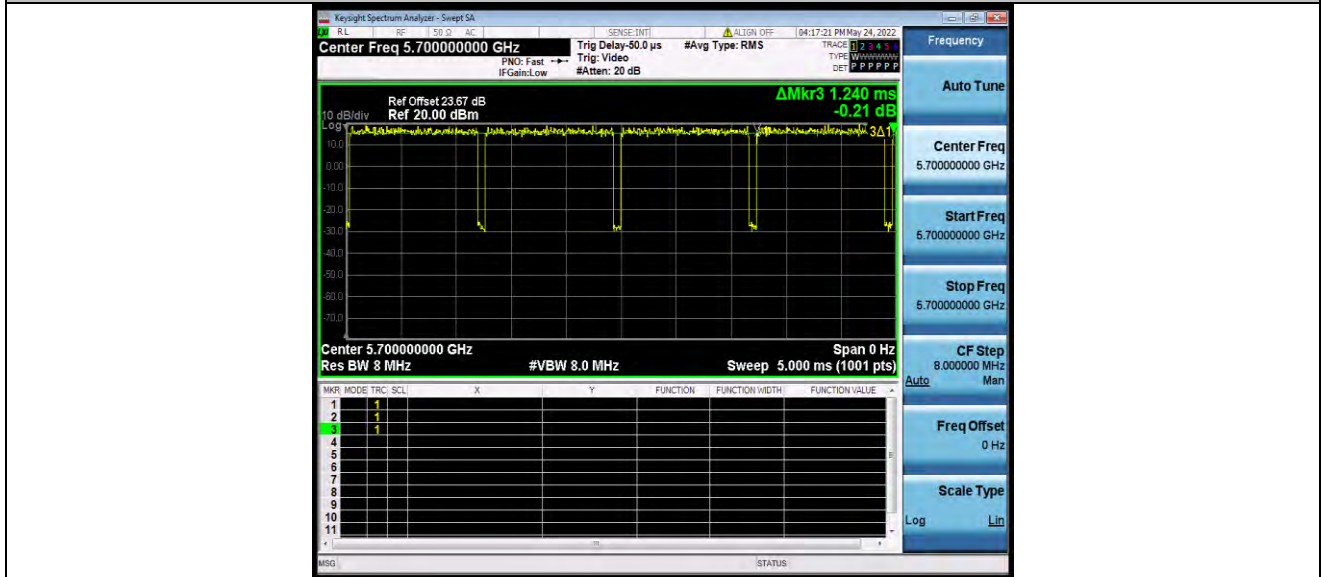


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11AC20SISO_Ant1_5700

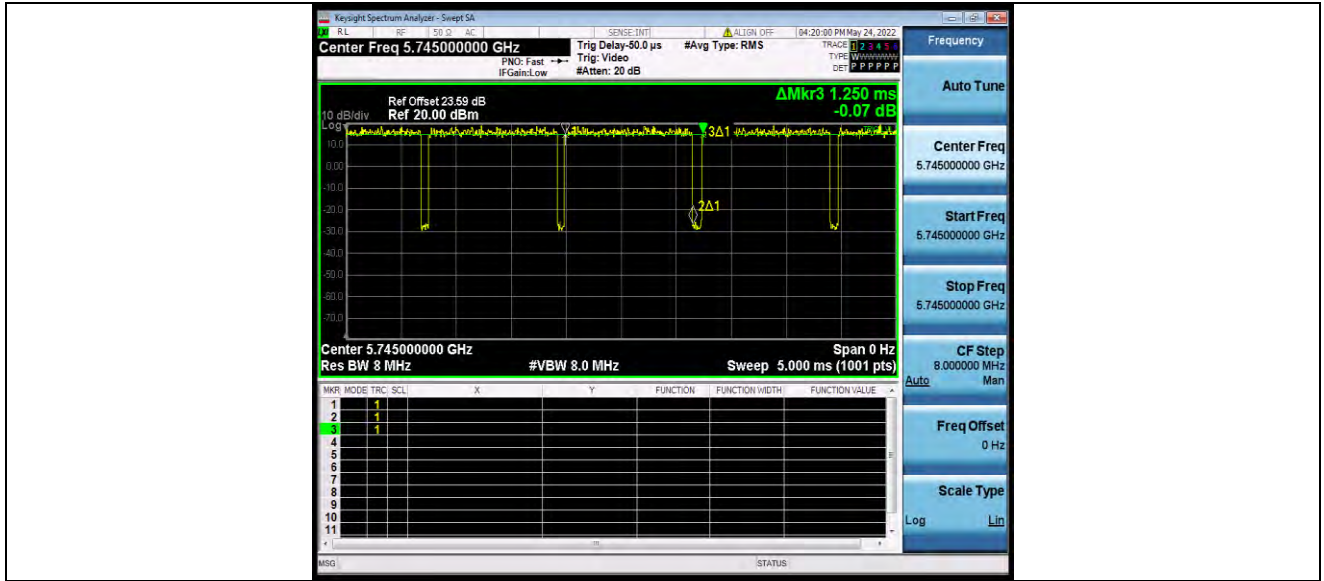


11AC20SISO_Ant1_5745

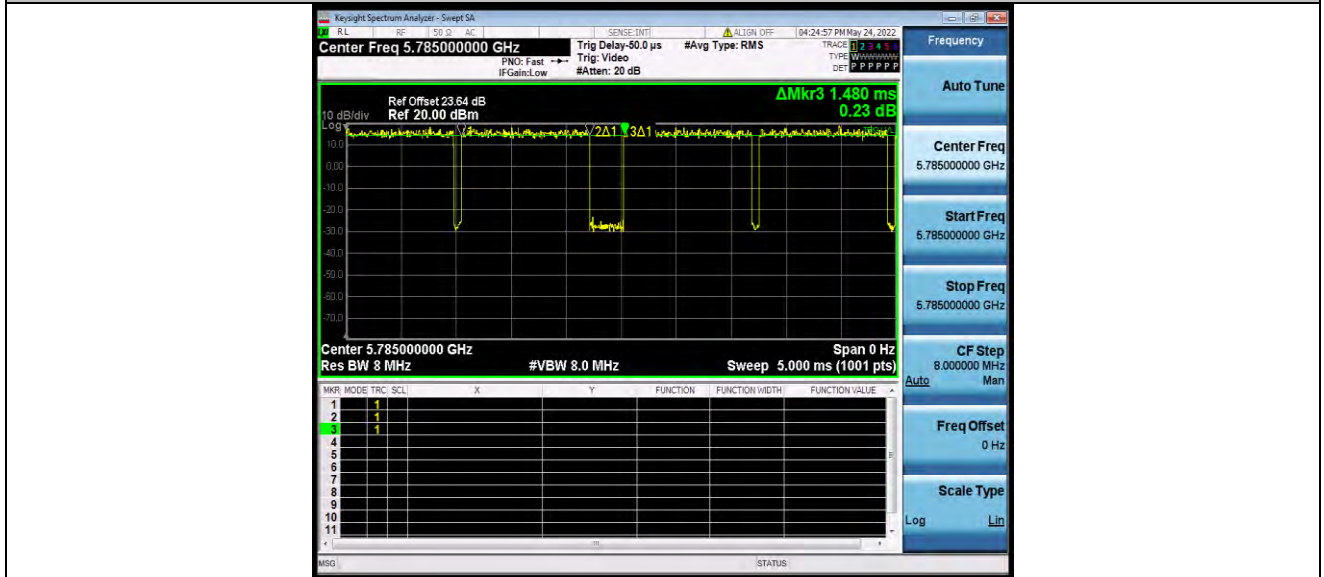


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11AC20SISO_Ant1_5785

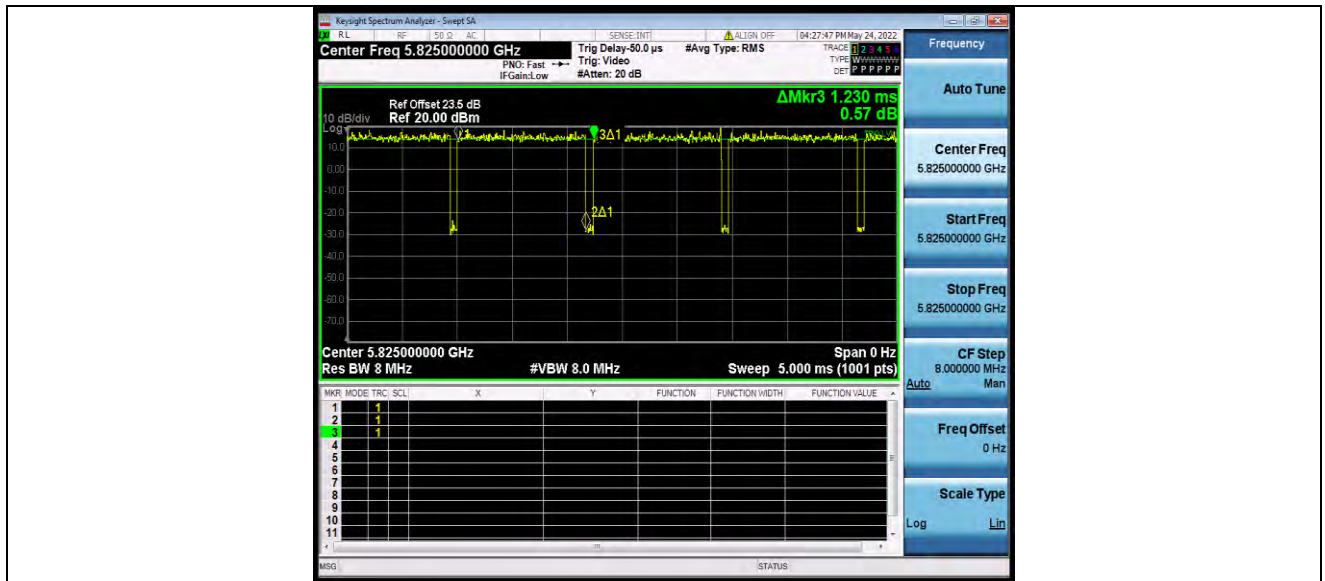


11AC20SISO_Ant1_5825

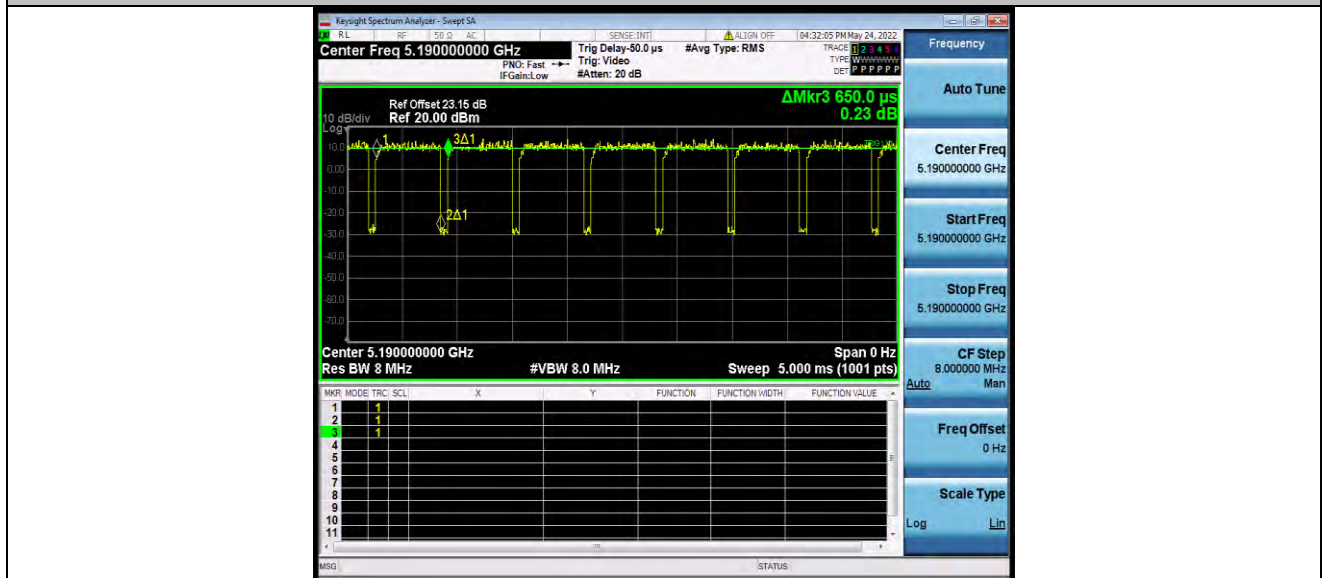


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11AC40SISO_Ant1_5190

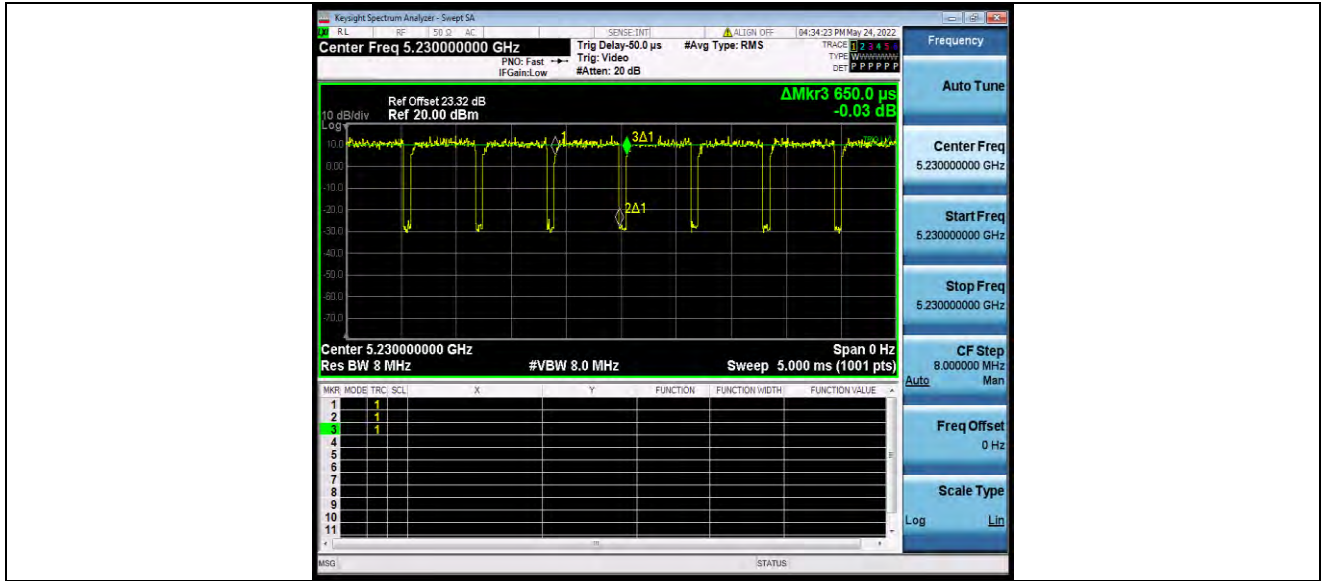


11AC40SISO_Ant1_5230

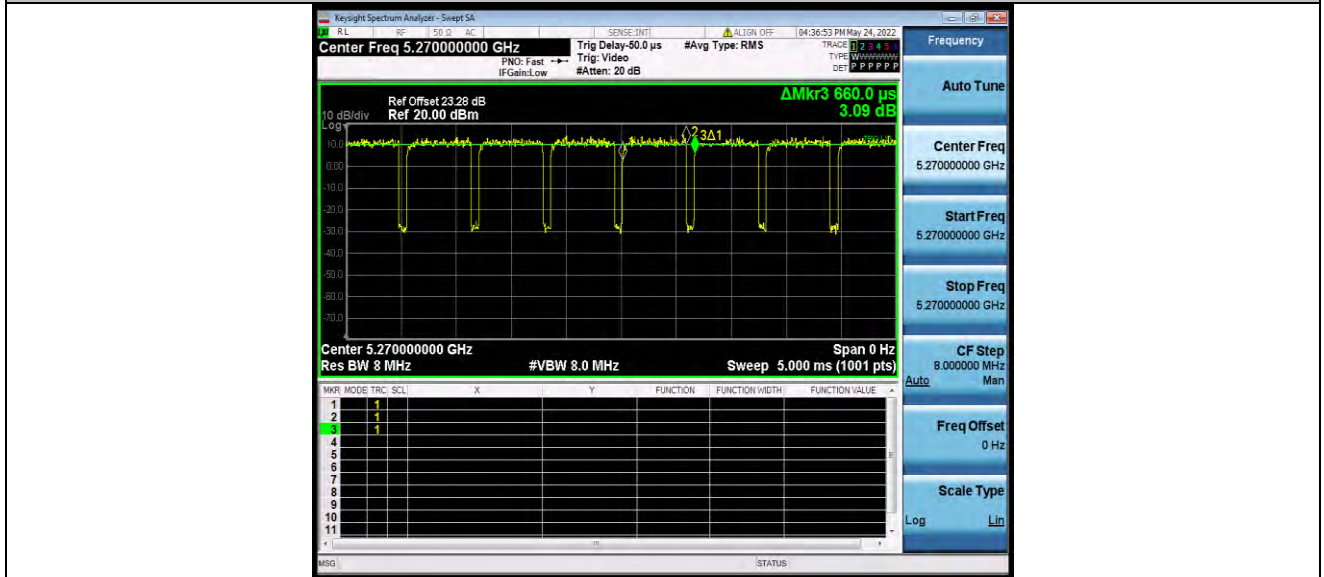


BUREAU VERITAS

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11AC40SISO_Ant1_5270

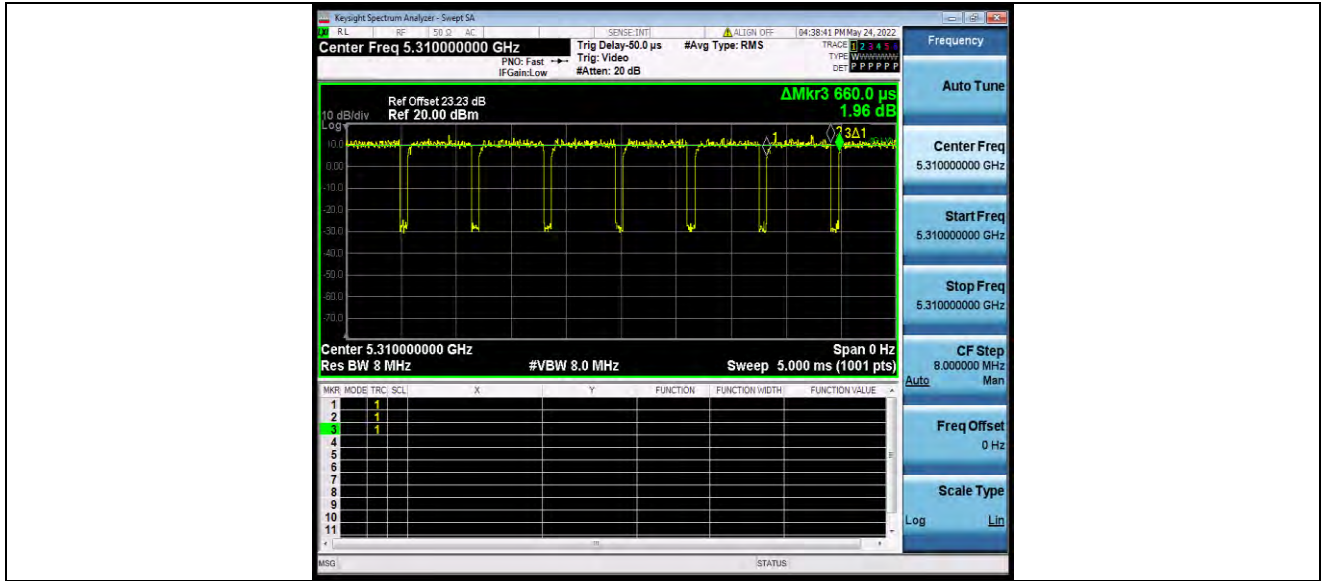


11AC40SISO_Ant1_5310

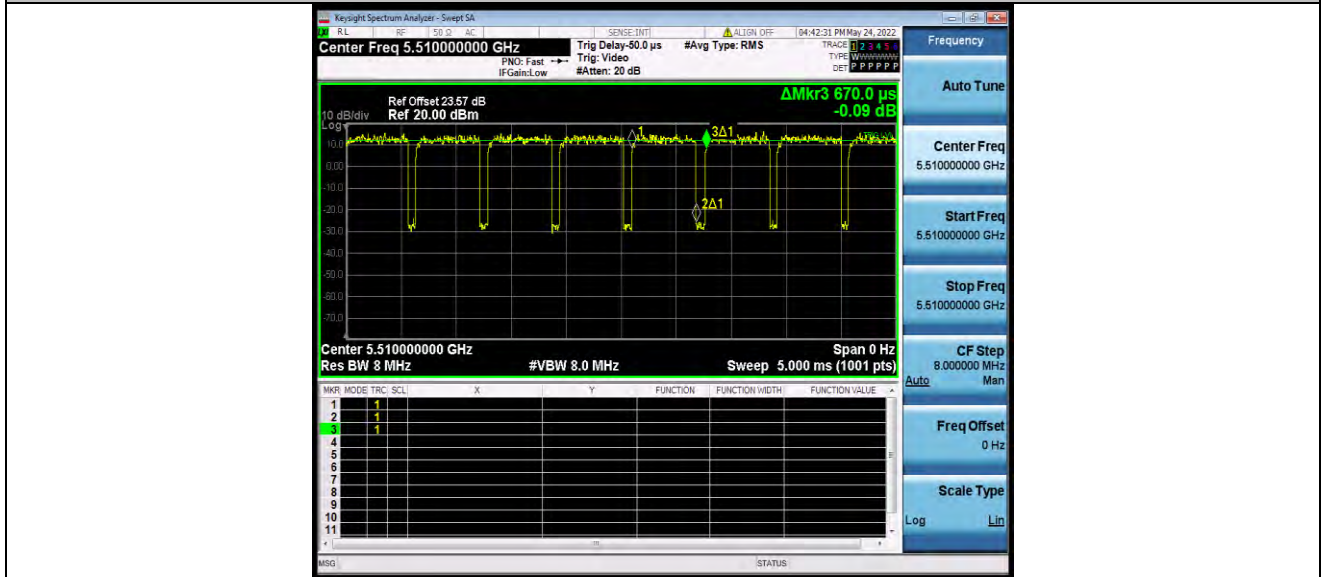


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11AC40SISO_Ant1_5510

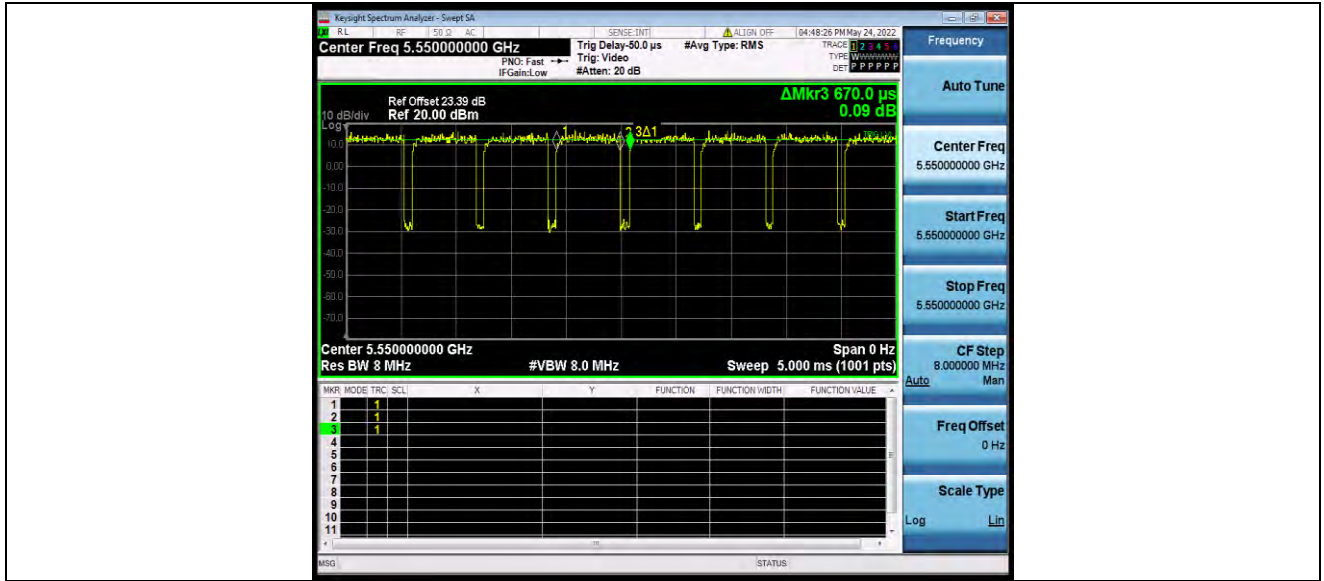


11AC40SISO_Ant1_5550

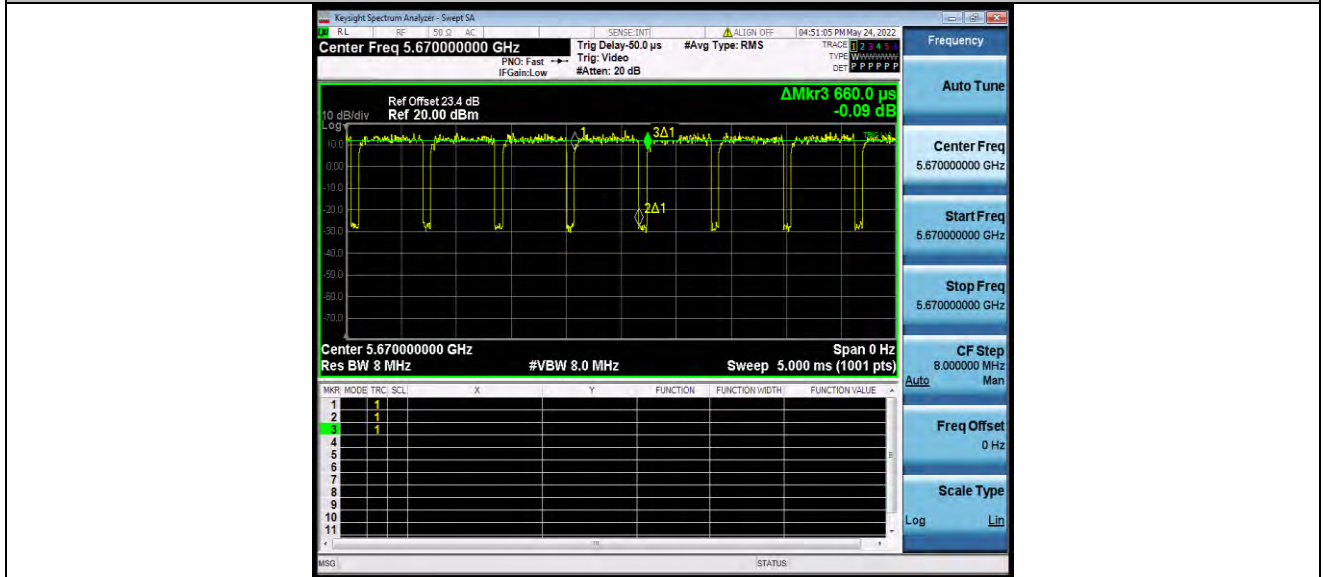


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Test Report No.: W7L-P22050002RF03



11AC40SISO_Ant1_5670

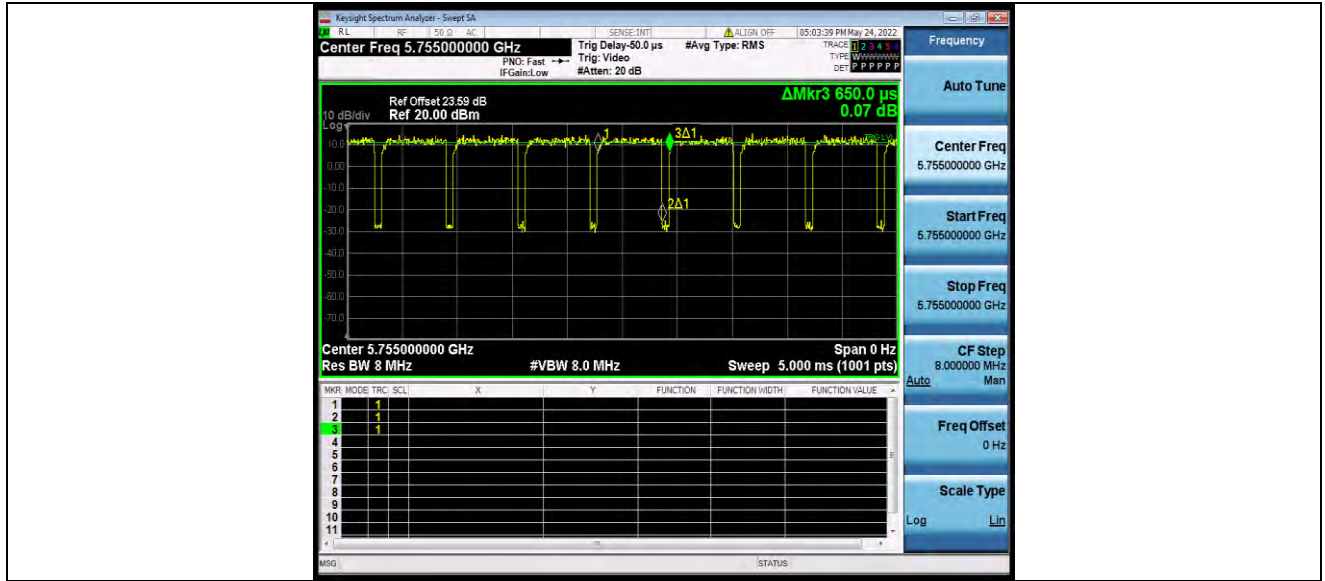


11AC40SISO_Ant1_5755

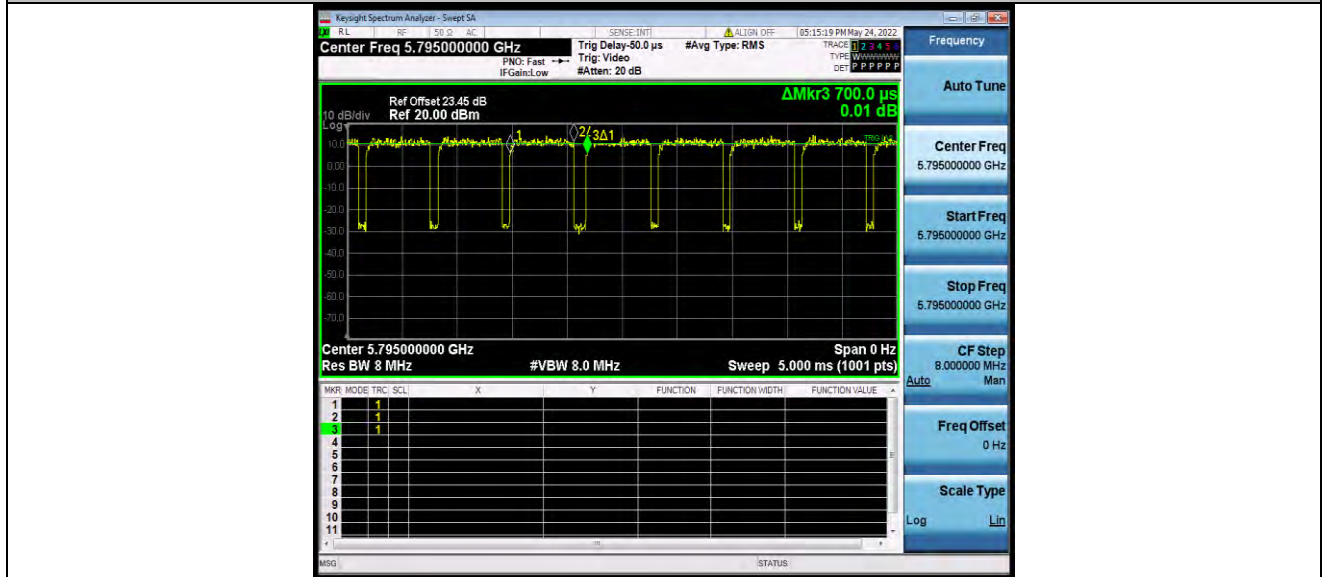


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11AC40SISO_Ant1_5795

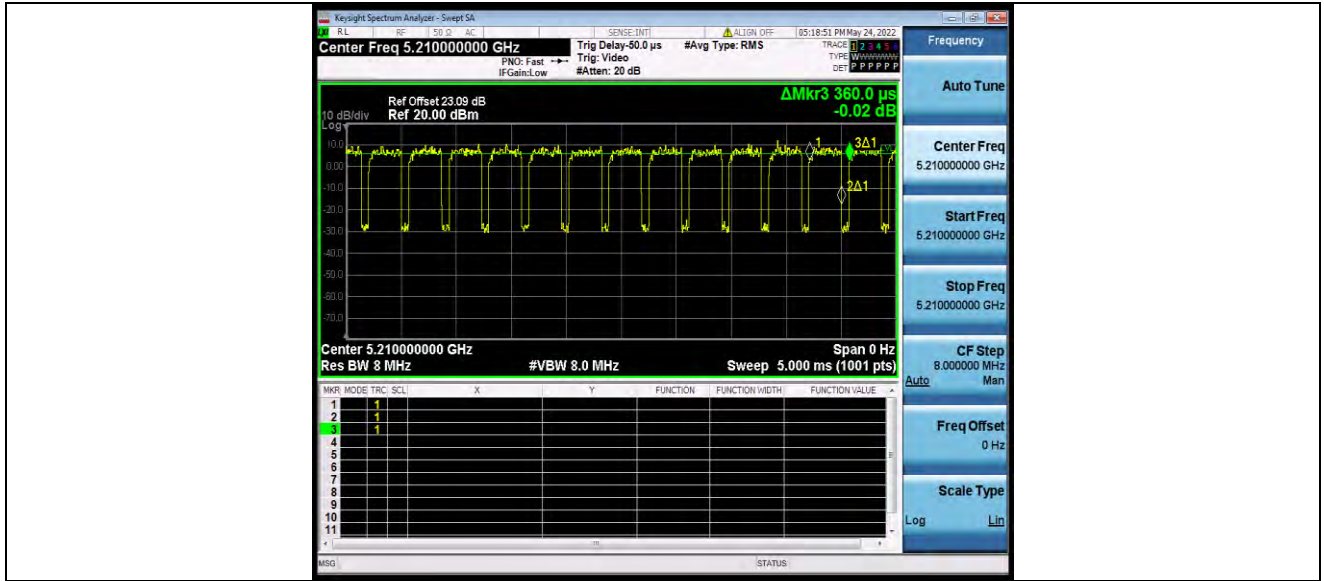


11AC80SISO_Ant1_5210

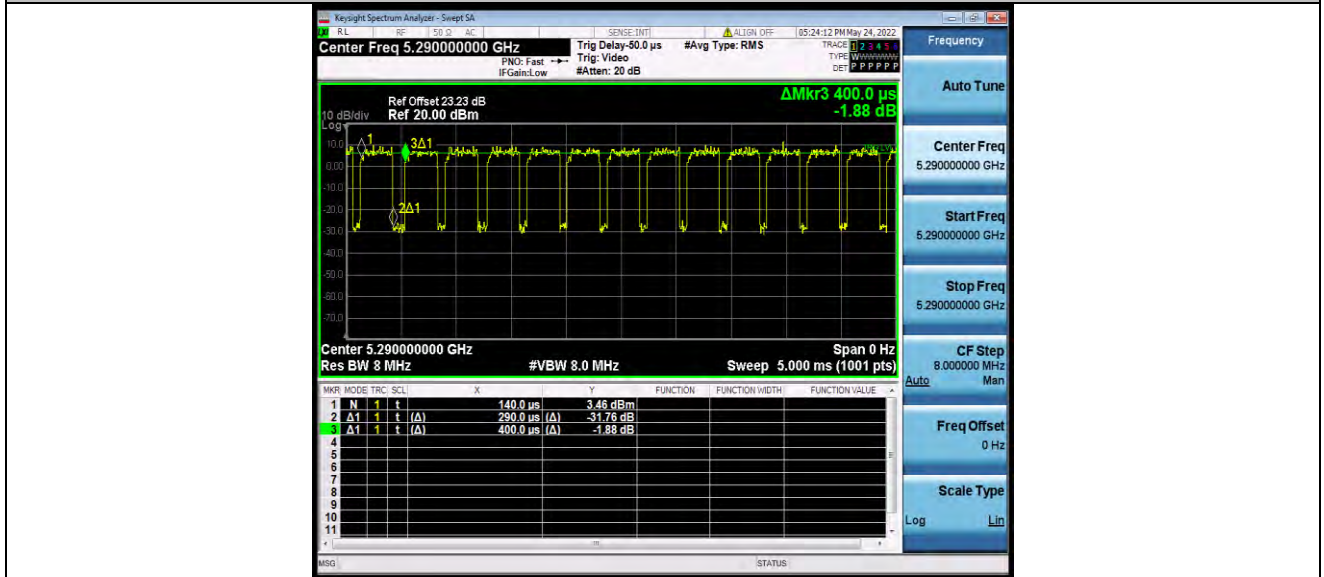


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Test Report No.: W7L-P22050002RF03



11AC80SISO_Ant1_5290

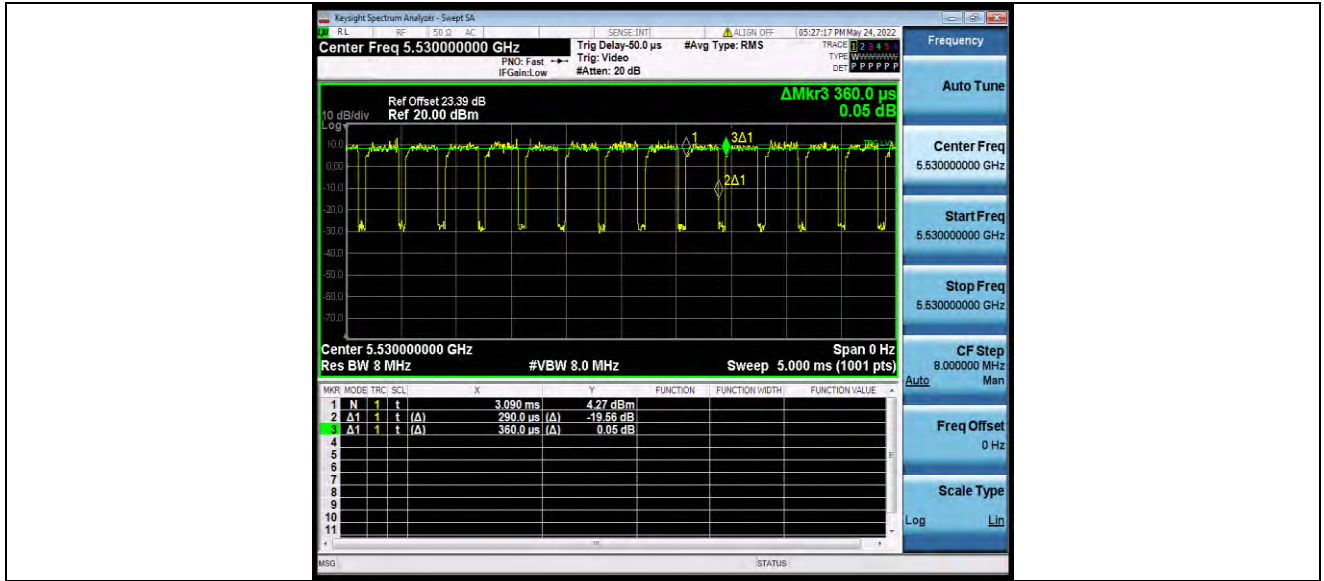


11AC80SISO_Ant1_5530

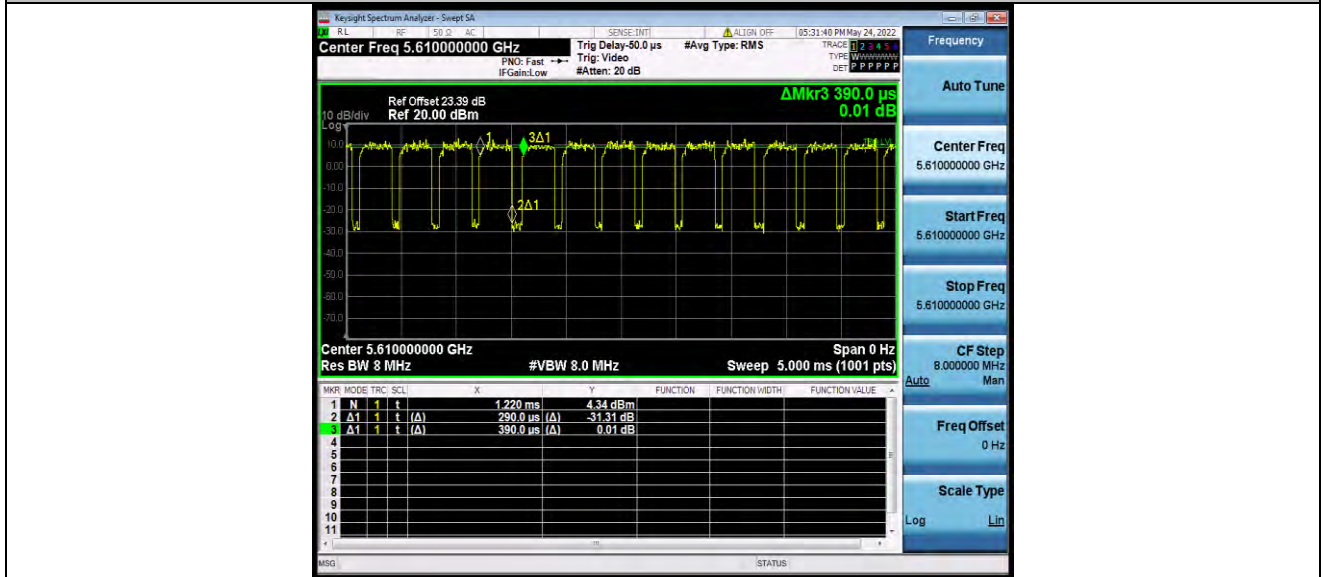


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11AC80SISO_Ant1_5610

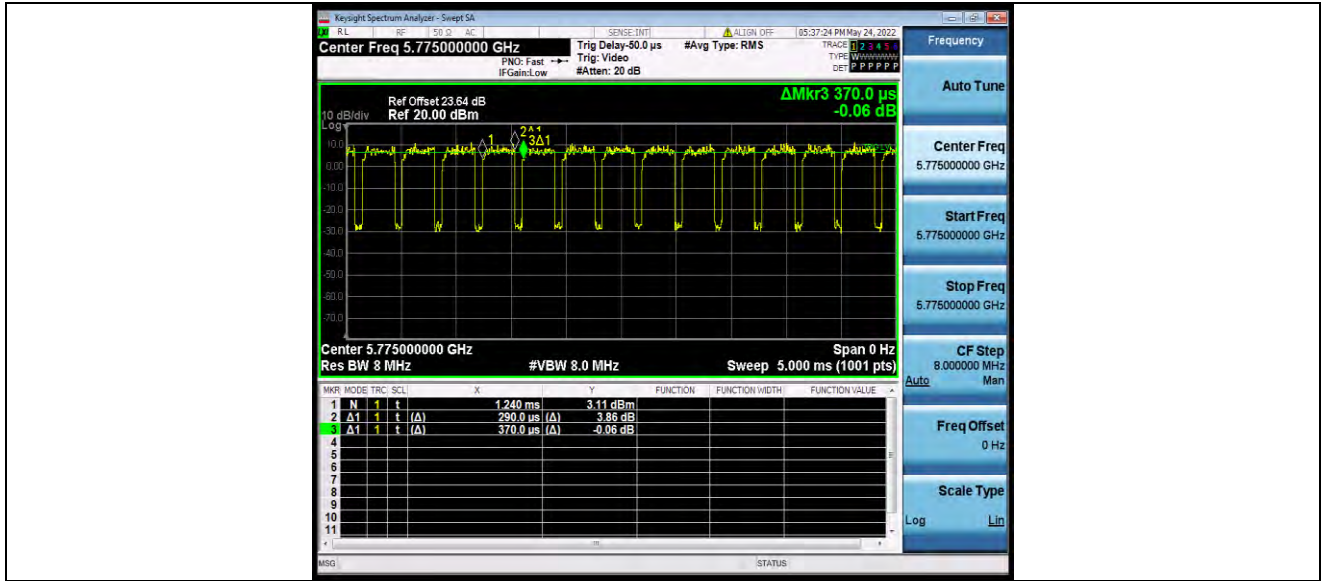


11AC80SISO_Ant1_5775



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MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

Mode	TX Type	Freq. (MHz)	Maximum Conducted Output Power (dBm)		Verdict	Power Setting
			Ant1	Limit		
802.11a	SISO	5180	15.72	≤24.00	Pass	15
		5200	15.40	≤24.00	Pass	15
		5240	14.82	≤24.00	Pass	15
		5260	15.42	≤24.00	Pass	15
		5300	14.96	≤24.00	Pass	15
		5320	16.42	≤24.00	Pass	15
		5500	16.43	≤24.00	Pass	15
		5580	17.13	≤24.00	Pass	15
		5700	17.22	≤24.00	Pass	15
		5745	15.72	≤30.00	Pass	15
		5720	17.92	≤24.00	Pass	15
		5720	17.45	≤30.00	Pass	14
		5785	15.31	≤30.00	Pass	14
		5825	15.01	≤30.00	Pass	14
802.11n (HT20)	SISO	5180	15.13	≤24.00	Pass	14
		5200	14.72	≤24.00	Pass	14
		5240	14.24	≤24.00	Pass	14
		5260	14.96	≤24.00	Pass	14
		5300	14.47	≤24.00	Pass	14
		5320	14.31	≤24.00	Pass	14
		5500	15.76	≤24.00	Pass	14
		5580	16.56	≤24.00	Pass	14
		5700	16.73	≤24.00	Pass	14
		5720	17.24	≤24.00	Pass	14
		5720	17.24	≤30.00	Pass	14
		5745	15.51	≤30.00	Pass	14
		5785	15.55	≤30.00	Pass	14
		5825	15.26	≤30.00	Pass	14
802.11n (HT40)	SISO	5190	12.18	≤24.00	Pass	13
		5230	14.04	≤24.00	Pass	14



		5270	14.32	≤24.00	Pass	14
		5310	13.93	≤24.00	Pass	14
		5510	15.46	≤24.00	Pass	14
		5550	15.75	≤24.00	Pass	14
		5670	16.28	≤24.00	Pass	14
		5710	16.34	≤24.00	Pass	14
		5710	16.34	≤30.00	Pass	14
		5755	15.41	≤30.00	Pass	14
		5795	15.06	≤30.00	Pass	14
802.11ac (VHT20)	SISO	5180	15.42	≤24.00	Pass	14
		5200	14.87	≤24.00	Pass	14
		5240	14.22	≤24.00	Pass	14
		5260	14.97	≤24.00	Pass	14
		5300	14.41	≤24.00	Pass	14
		5320	14.35	≤24.00	Pass	14
		5500	15.85	≤24.00	Pass	14
		5580	16.51	≤24.00	Pass	14
		5700	16.64	≤24.00	Pass	14
		5720	17.66	≤24.00	Pass	14
		5720	17.66	≤30.00	Pass	14
		5745	15.83	≤30.00	Pass	14
		5785	15.51	≤30.00	Pass	14
		5825	15.23	≤30.00	Pass	14
802.11ac (VHT40)	SISO	5190	12.09	≤24.00	Pass	13
		5230	13.82	≤24.00	Pass	14
		5270	14.28	≤24.00	Pass	14
		5310	13.81	≤24.00	Pass	14
		5510	15.35	≤24.00	Pass	14
		5550	15.62	≤24.00	Pass	14
		5670	16.15	≤24.00	Pass	14
		5710	17.26	≤24.00	Pass	14
		5710	17.26	≤30.00	Pass	14
		5755	15.27	≤30.00	Pass	14
		5795	14.91	≤30.00	Pass	14
802.11ac	SISO	5210	10.35	≤24.00	Pass	12



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(VHT80)	5290	13.62	≤24.00	Pass	14
	5530	14.92	≤24.00	Pass	14
	5610	15.72	≤24.00	Pass	14
	5690	16.99	≤24.00	Pass	14
	5690	16.99	≤30.00	Pass	14
	5775	14.49	≤30.00	Pass	14
Note1: Conducted Power=Measured Power +Duty Cycle Factor					



MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.43	≤11.00	PASS
		5200	0.82	≤11.00	PASS
		5240	0.77	≤11.00	PASS
		5260	1.54	≤11.00	PASS
		5300	1.01	≤11.00	PASS
		5320	0.87	≤11.00	PASS
		5500	2.83	≤11.00	PASS
		5580	3.64	≤11.00	PASS
		5700	3.08	≤11.00	PASS
		5745	-1.32	≤30.00	PASS
		5785	-1.68	≤30.00	PASS
		5825	-2.4	≤30.00	PASS
11N20SISO	Ant1	5180	0.61	≤11.00	PASS
		5200	0.13	≤11.00	PASS
		5240	0.22	≤11.00	PASS
		5260	0.62	≤11.00	PASS
		5300	0.18	≤11.00	PASS
		5320	-0.08	≤11.00	PASS
		5500	2.07	≤11.00	PASS
		5580	3.02	≤11.00	PASS
		5700	2.26	≤11.00	PASS
		5745	-1.15	≤30.00	PASS
		5785	-1.54	≤30.00	PASS
		5825	-2.24	≤30.00	PASS
11N40SISO	Ant1	5190	-2.67	≤11.00	PASS
		5230	-2.77	≤11.00	PASS
		5270	-1.91	≤11.00	PASS
		5310	-2.64	≤11.00	PASS
		5510	-0.49	≤11.00	PASS
		5550	-0.29	≤11.00	PASS
		5670	-0.75	≤11.00	PASS



		5755	-4.32	≤30.00	PASS		
		5795	-4.91	≤30.00	PASS		
11AC20SISO	Ant1	5180	0.56	≤11.00	PASS		
		5200	0.26	≤11.00	PASS		
		5240	0.21	≤11.00	PASS		
		5260	0.8	≤11.00	PASS		
		5300	0.31	≤11.00	PASS		
		5320	-0.03	≤11.00	PASS		
		5500	2.06	≤11.00	PASS		
		5580	2.96	≤11.00	PASS		
		5700	2.3	≤11.00	PASS		
		5745	-1.03	≤30.00	PASS		
		5785	-0.63	≤30.00	PASS		
		5825	-2.12	≤30.00	PASS		
		11AC40SISO	Ant1	5190	-2.74	≤11.00	PASS
				5230	-2.62	≤11.00	PASS
5270	-2.16			≤11.00	PASS		
5310	-2.88			≤11.00	PASS		
5510	-0.86			≤11.00	PASS		
5550	-0.55			≤11.00	PASS		
5670	-0.52			≤11.00	PASS		
5755	-4.38			≤30.00	PASS		
5795	-4.7			≤30.00	PASS		
11AC80SISO	Ant1	5210	-5.31	≤11.00	PASS		
		5290	-4.41	≤11.00	PASS		
		5530	-3.35	≤11.00	PASS		
		5610	-2.52	≤11.00	PASS		
		5775	-7.13	≤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 is compensated in the graph.

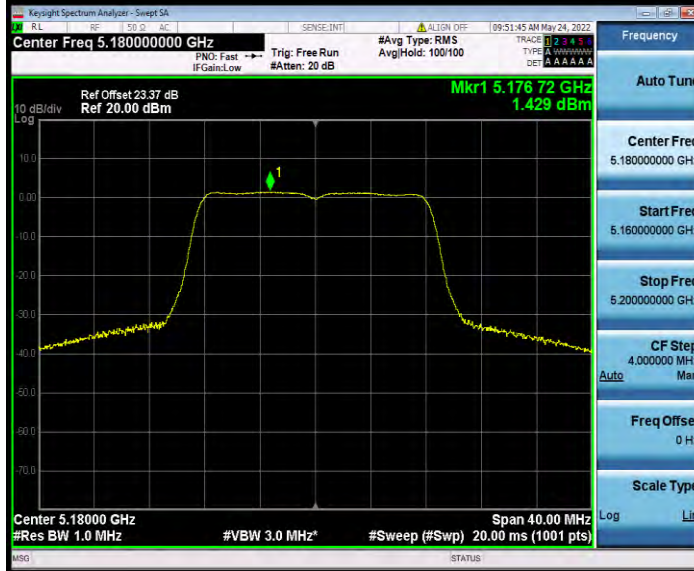


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TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200

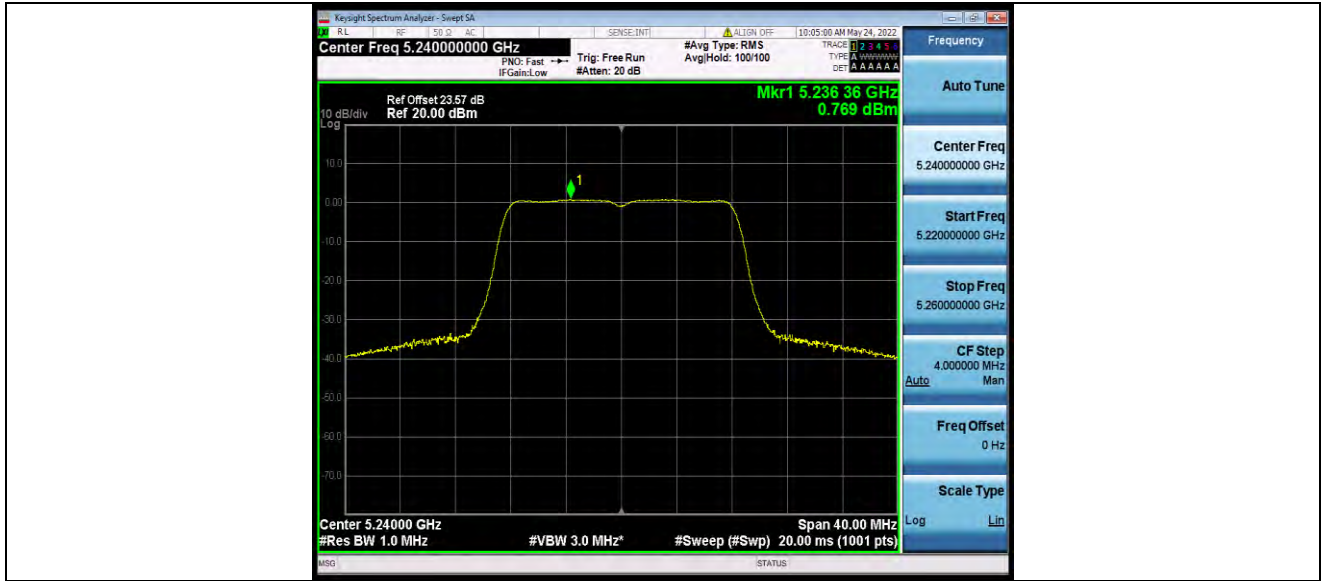


11A_Ant1_5240



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11A_Ant1_5260

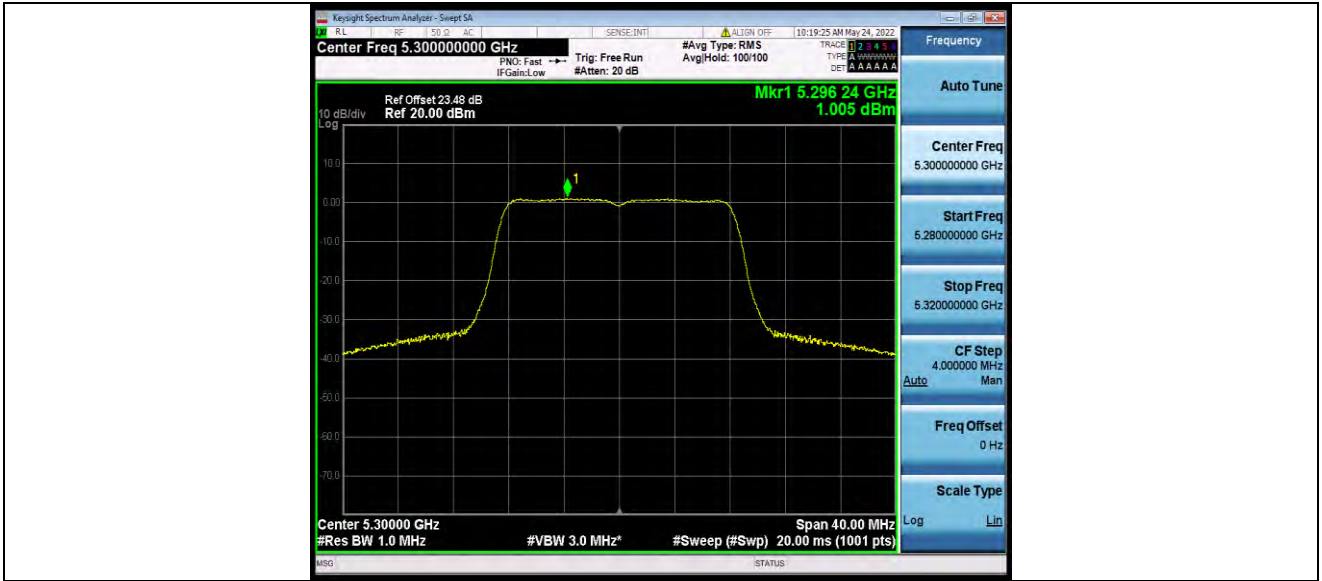


11A_Ant1_5300

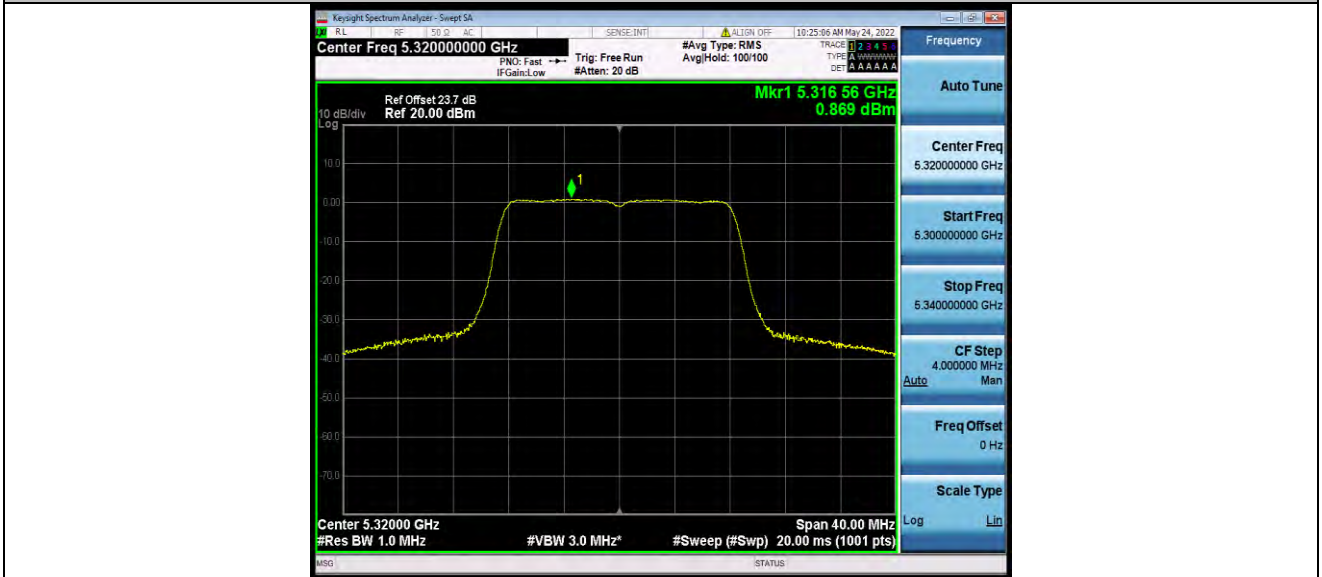


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11A_Ant1_5320

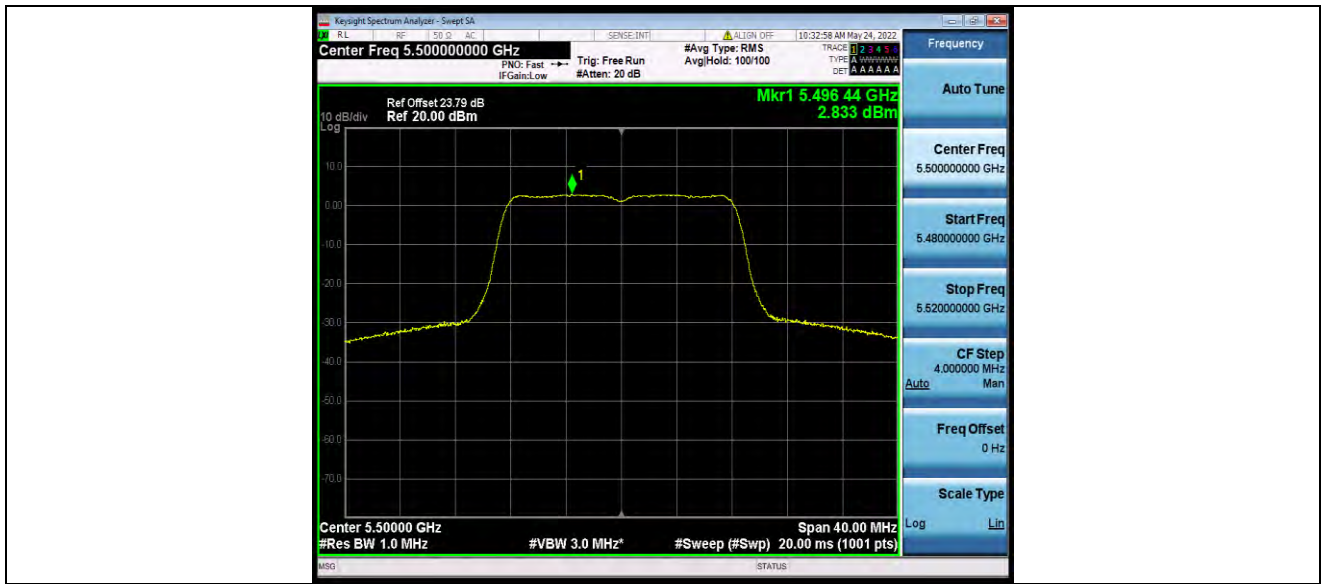


11A_Ant1_5500

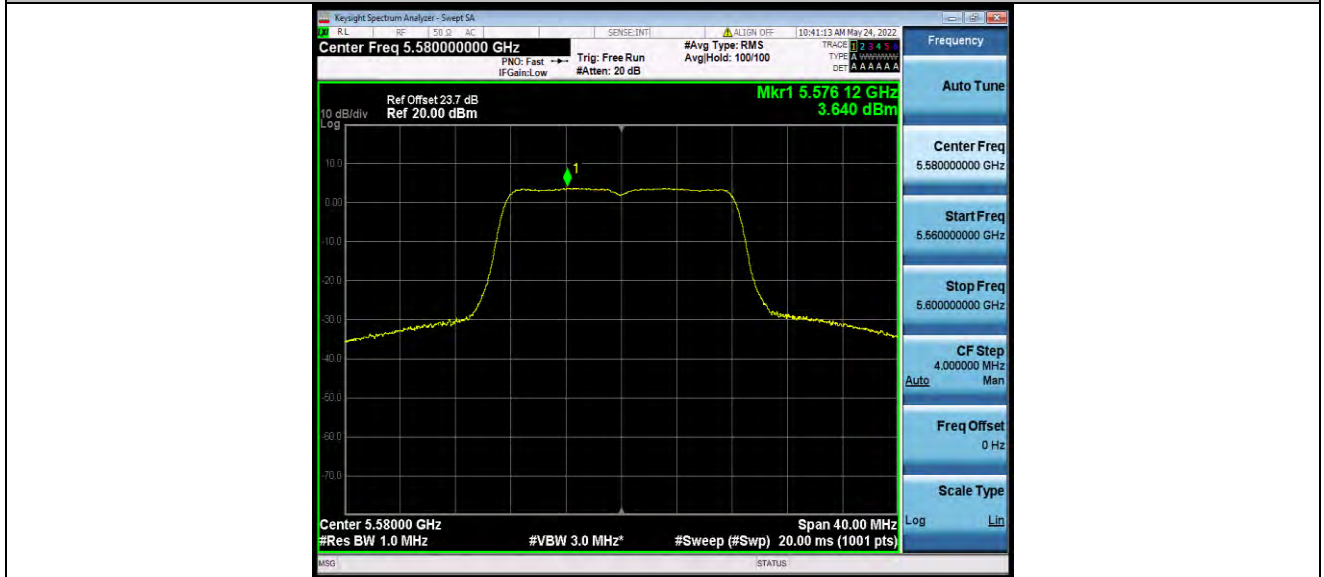


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11A_Ant1_5580

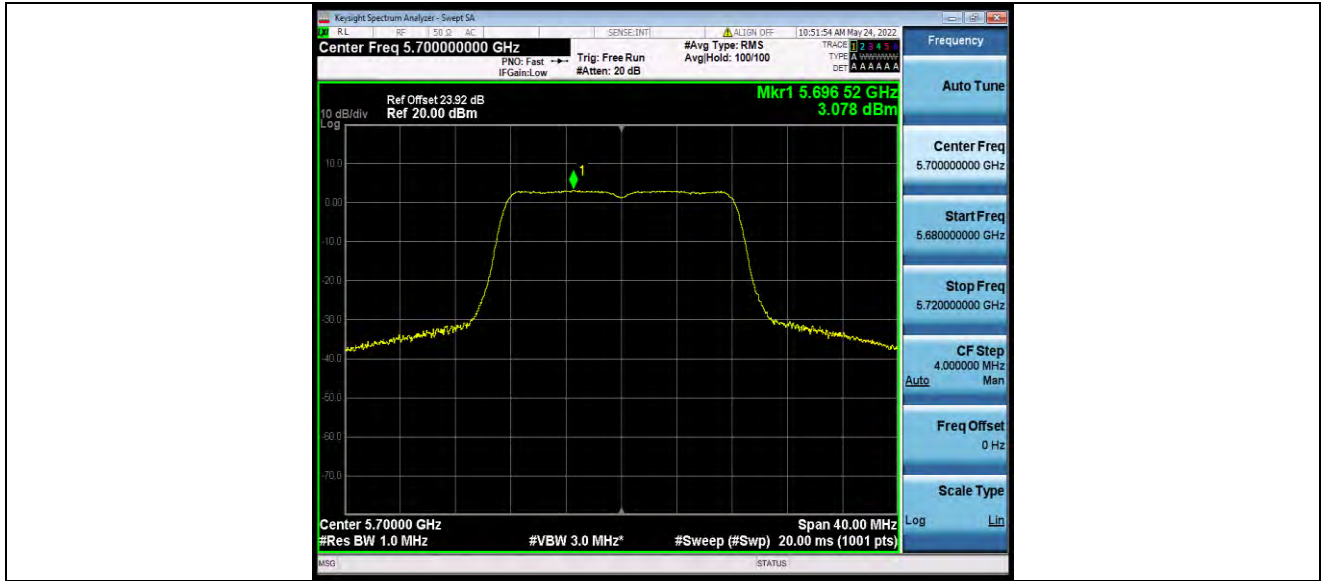


11A_Ant1_5700



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Test Report No.: W7L-P22050002RF03



11A_Ant1_5745

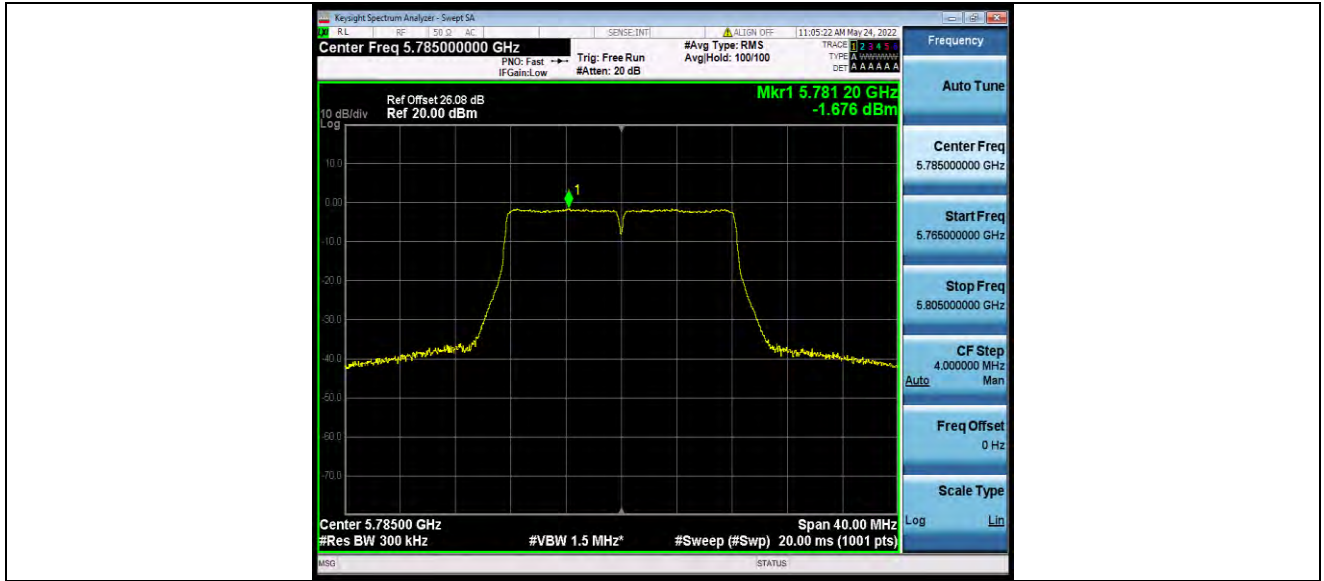


11A_Ant1_5785



BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11A_Ant1_5825

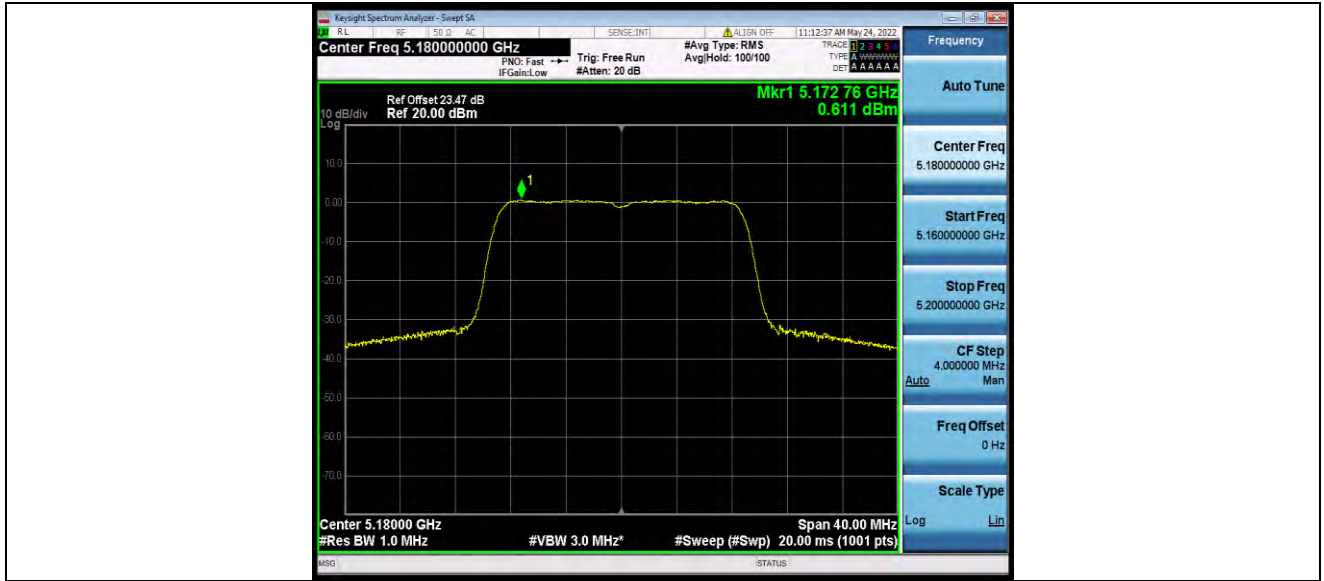


11N20SISO_Ant1_5180

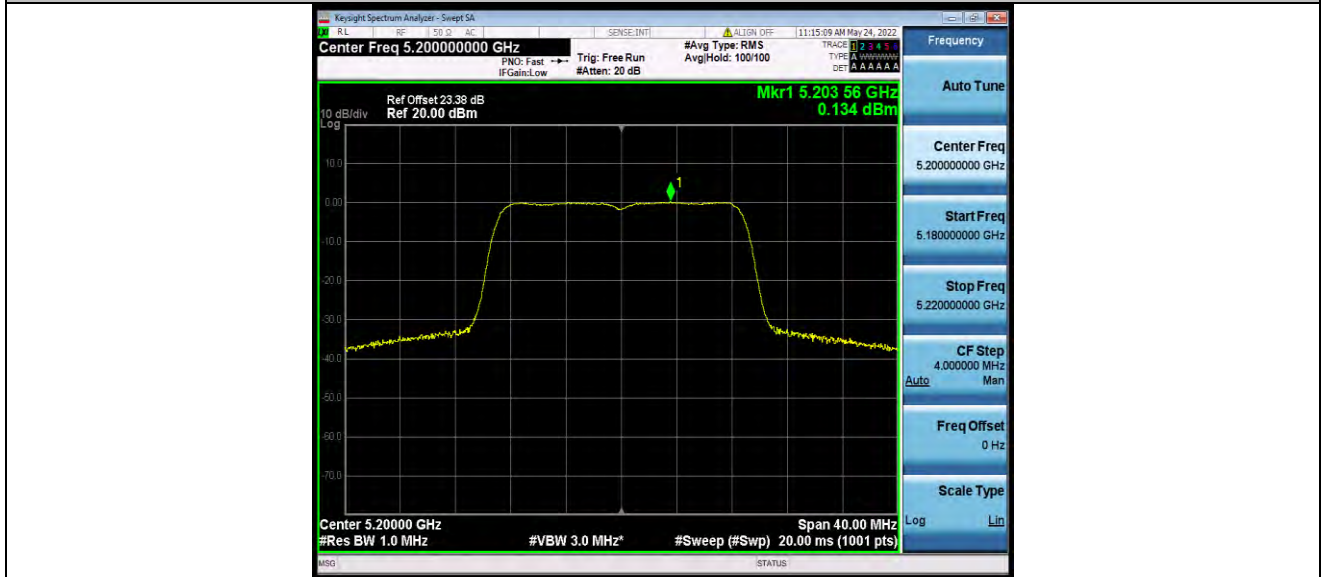


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5200

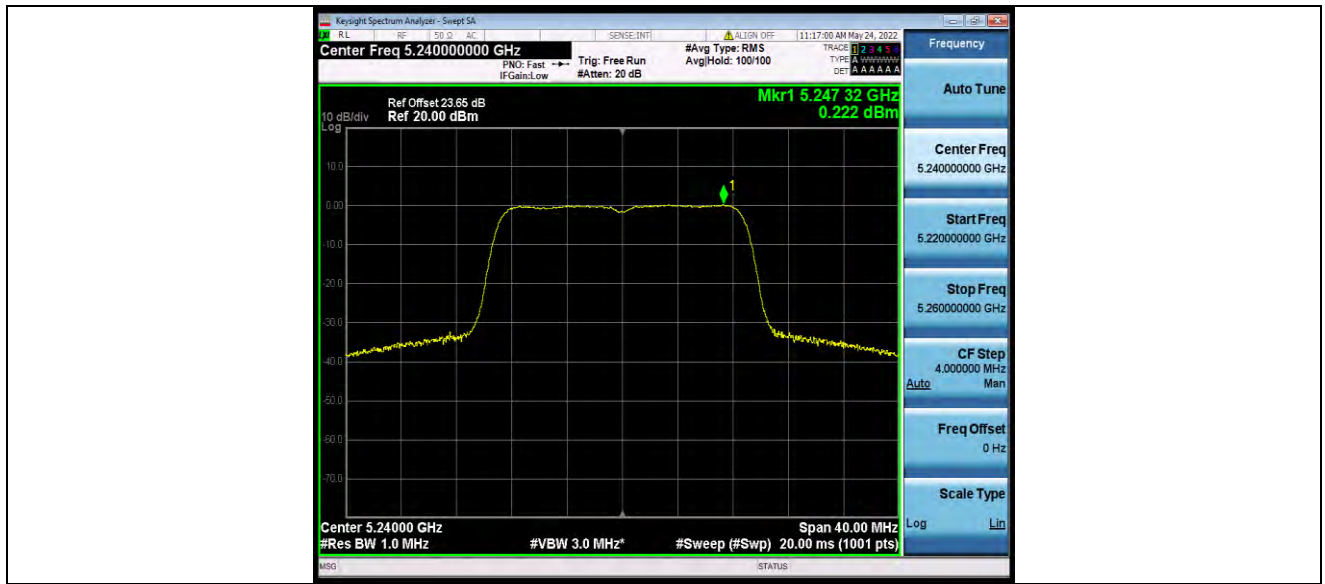


11N20SISO_Ant1_5240

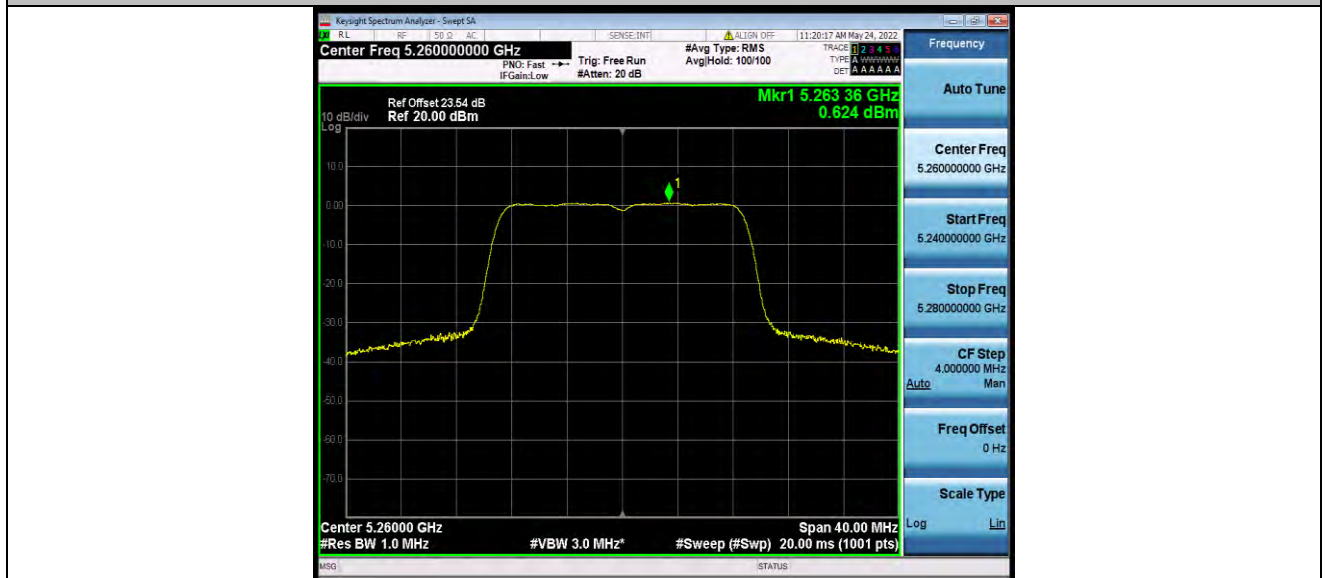


BUREAU VERITAS

Test Report No.: W7L-P22050002RF03



11N20SISO_Ant1_5260



11N20SISO_Ant1_5300