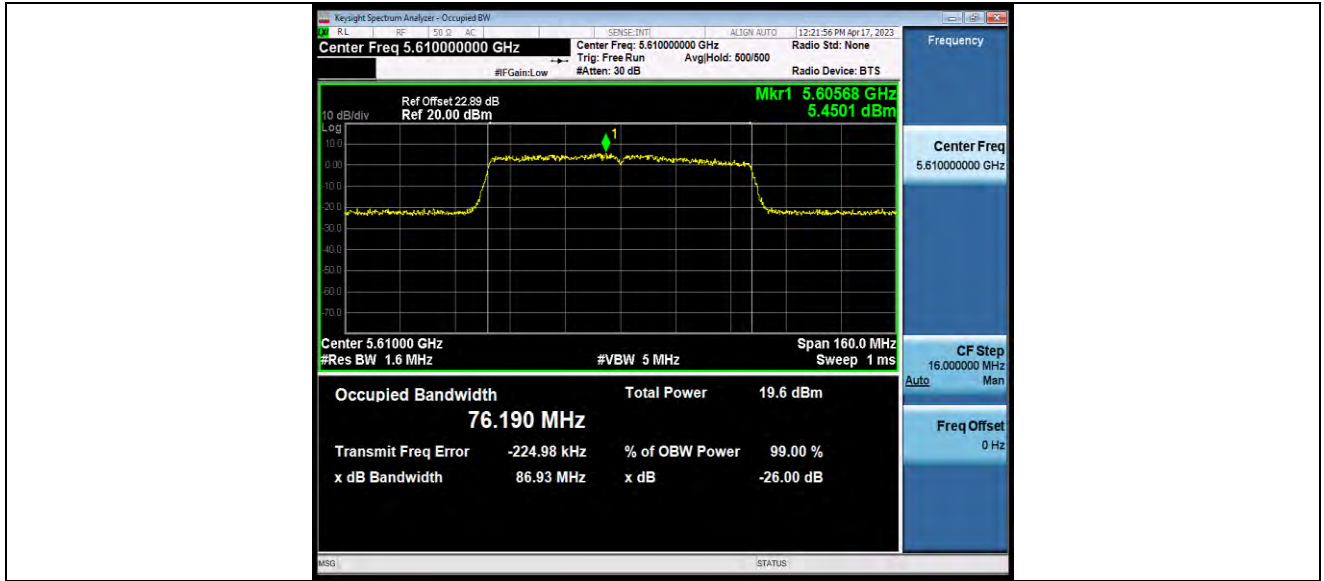




BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC80SISO\_Ant1\_5690

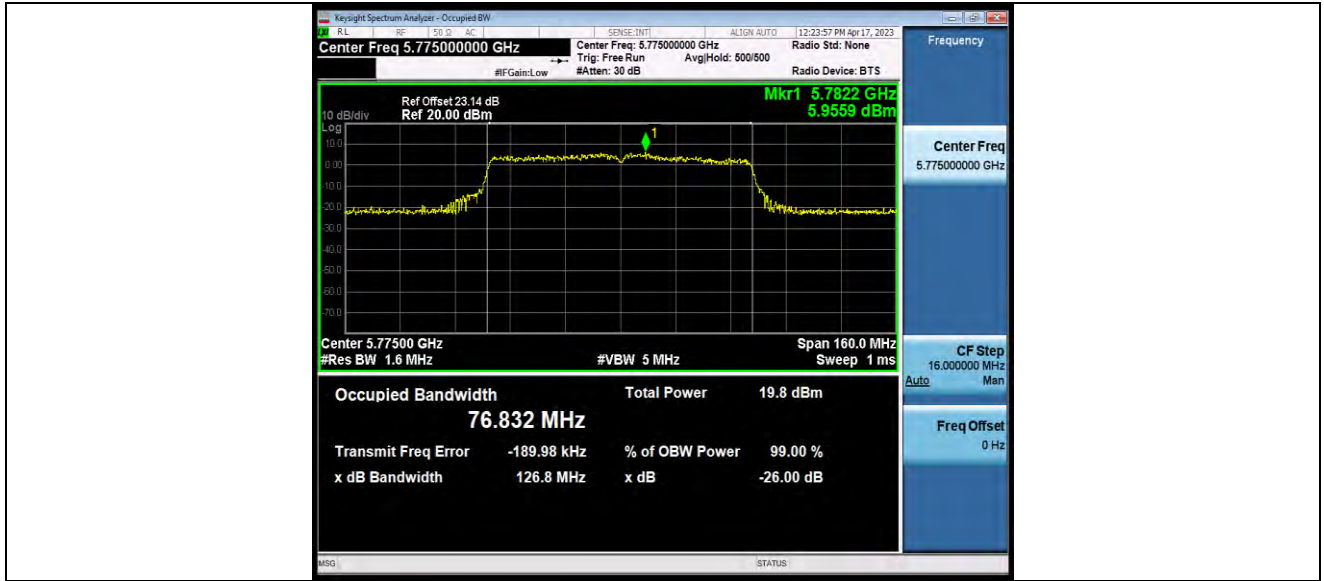


11AC80SISO\_Ant1\_5775



**BUREAU  
VERITAS**

Test Report No.: W7L-P23030025RF03



## MIN EMISSION BANDWIDTH

### TEST RESULT B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.920	5736.840	5752.760	0.5	PASS
		5785	14.040	5777.440	5791.480	0.5	PASS
		5825	15.400	5817.120	5832.520	0.5	PASS
11N20SISO	Ant1	5745	16.120	5736.680	5752.800	0.5	PASS
		5785	15.520	5776.960	5792.480	0.5	PASS
		5825	15.160	5817.640	5832.800	0.5	PASS
11N40SISO	Ant1	5755	35.840	5737.080	5772.920	0.5	PASS
		5795	35.440	5777.080	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	16.680	5736.520	5753.200	0.5	PASS
		5785	15.600	5776.960	5792.560	0.5	PASS
		5825	15.080	5817.360	5832.440	0.5	PASS
11AC40SISO	Ant1	5755	35.840	5736.760	5772.600	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS



BUREAU VERITAS

Test Report No.: W7L-P23030025RF03

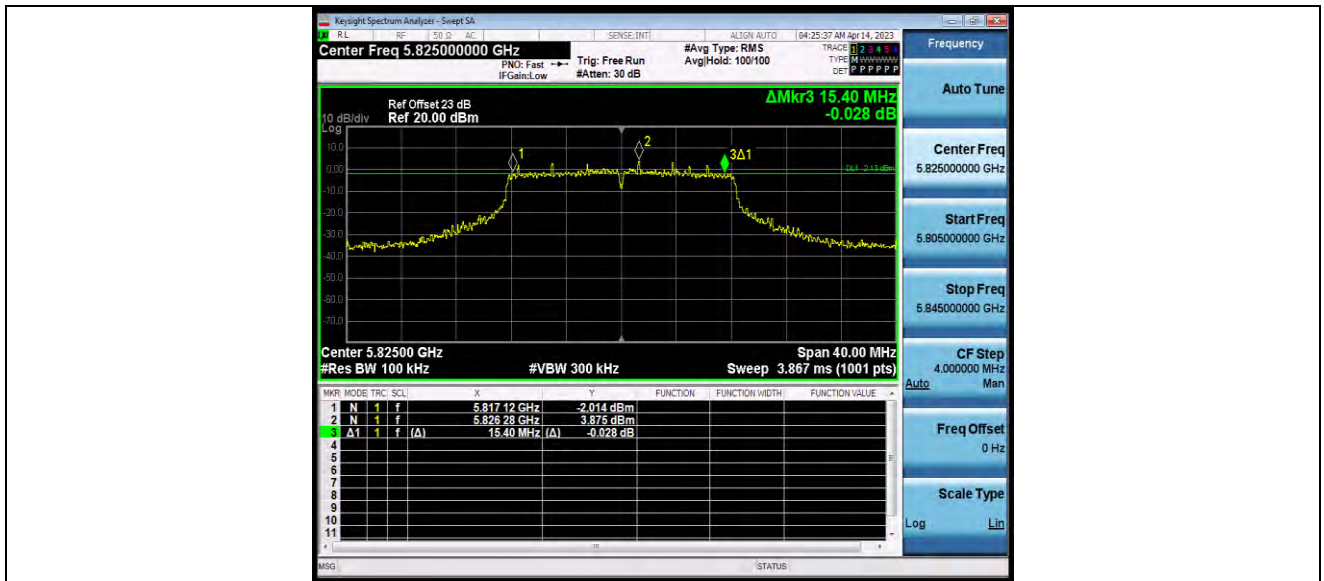
### TEST GRAPHS B4



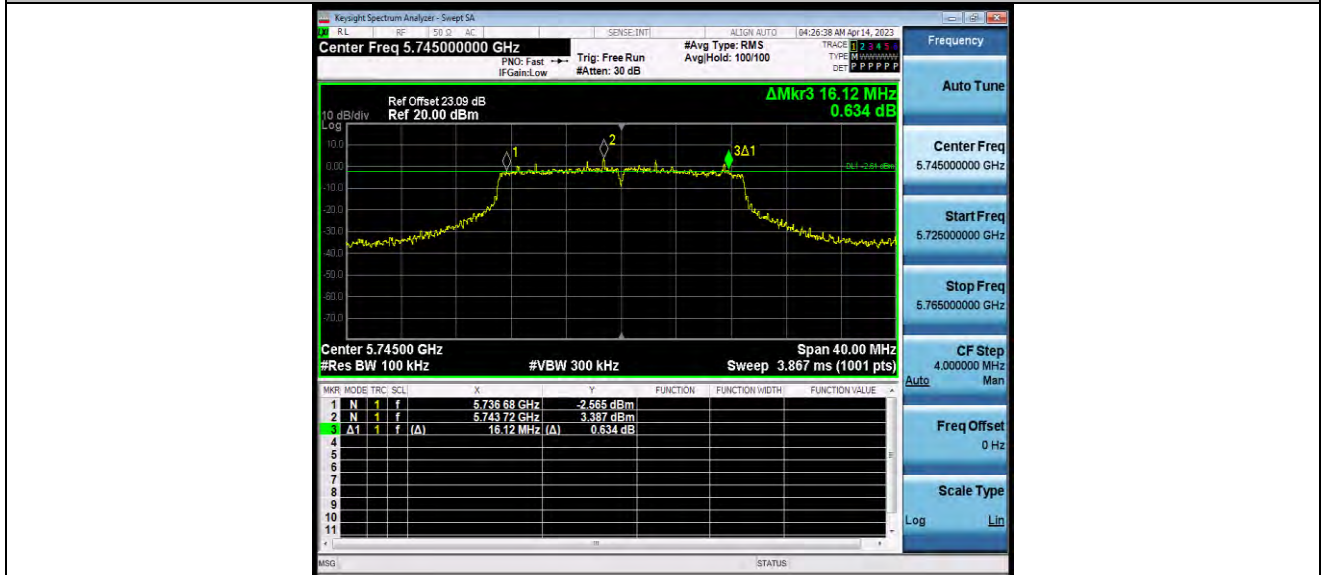


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5745

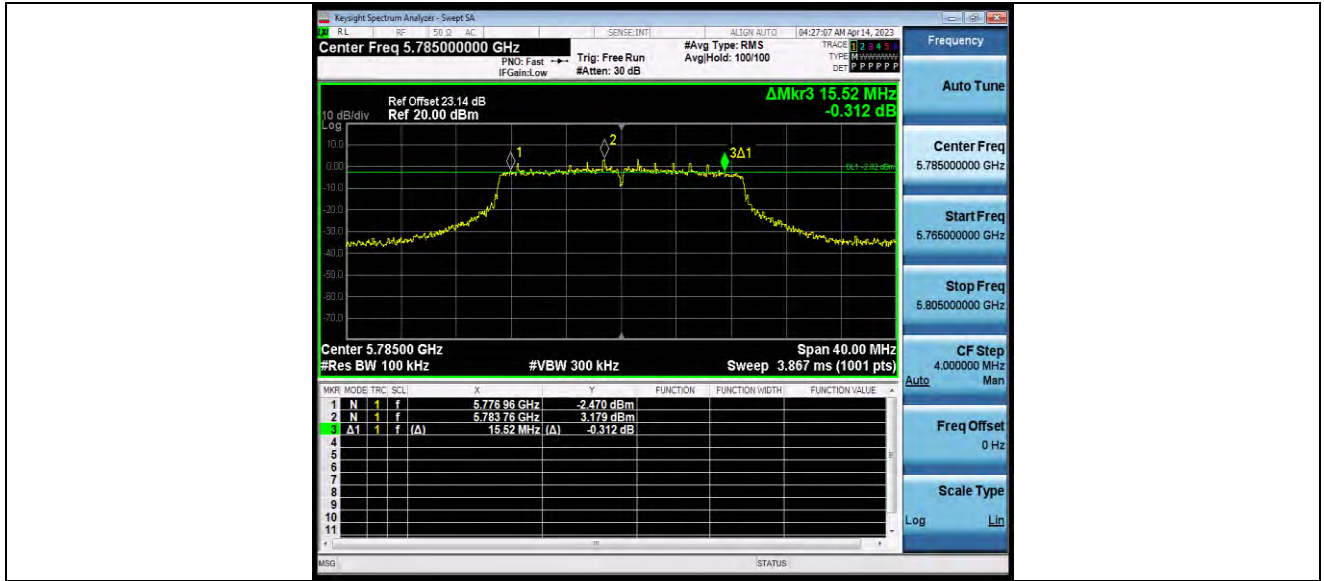


11N20SISO\_Ant1\_5785

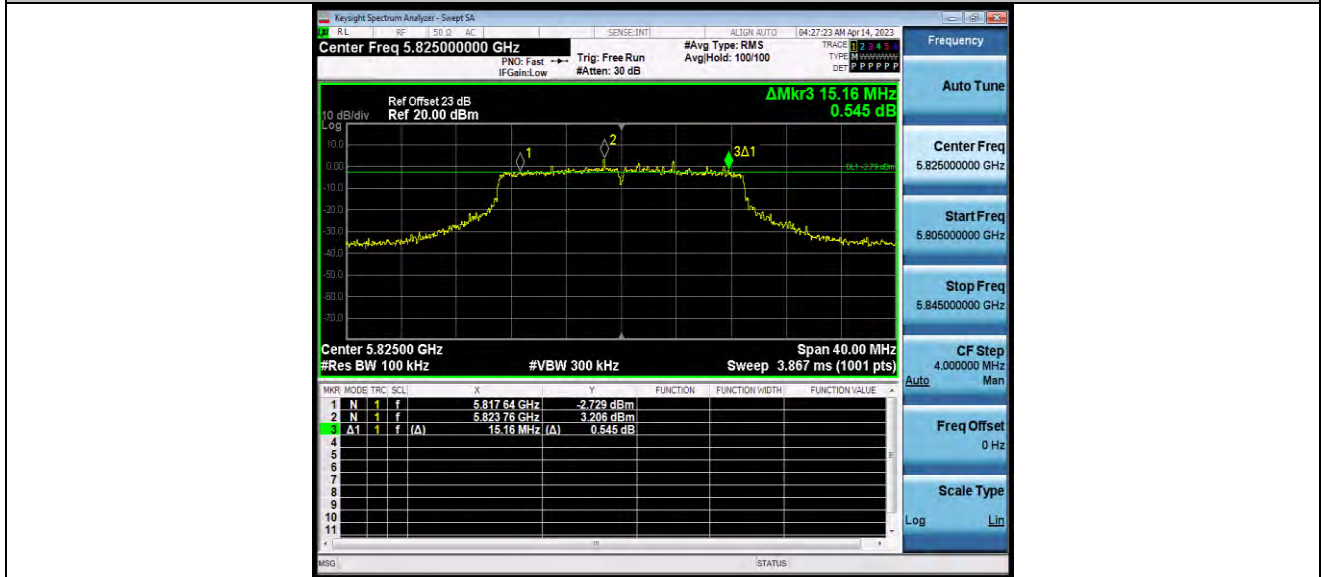


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5825

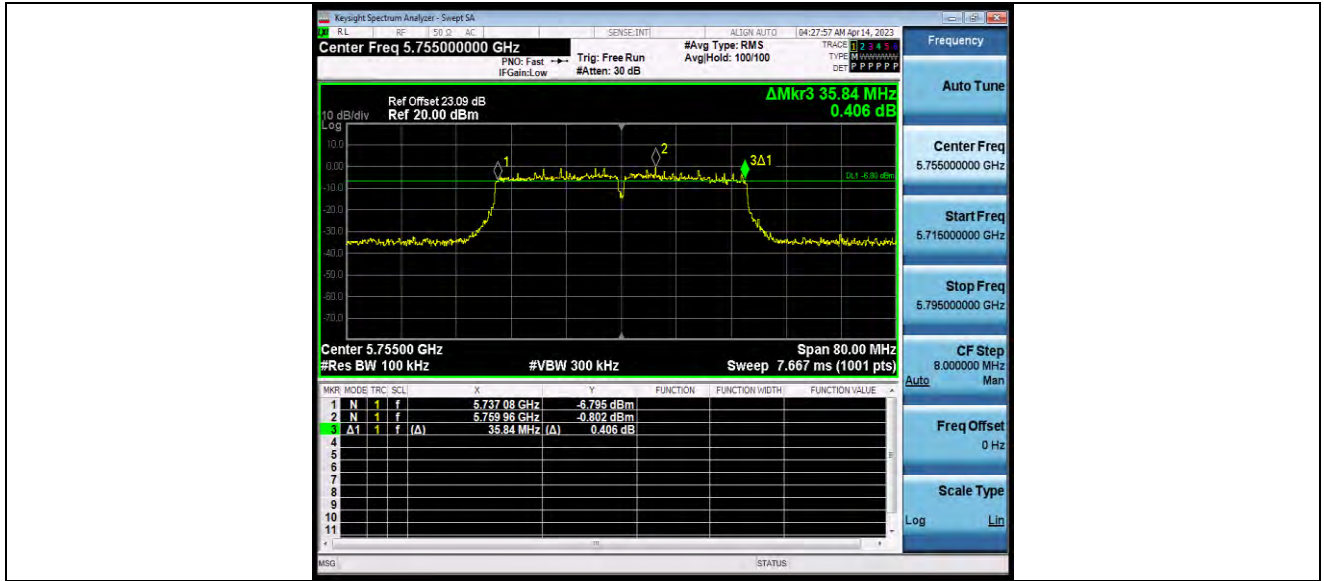


11N40SISO\_Ant1\_5755

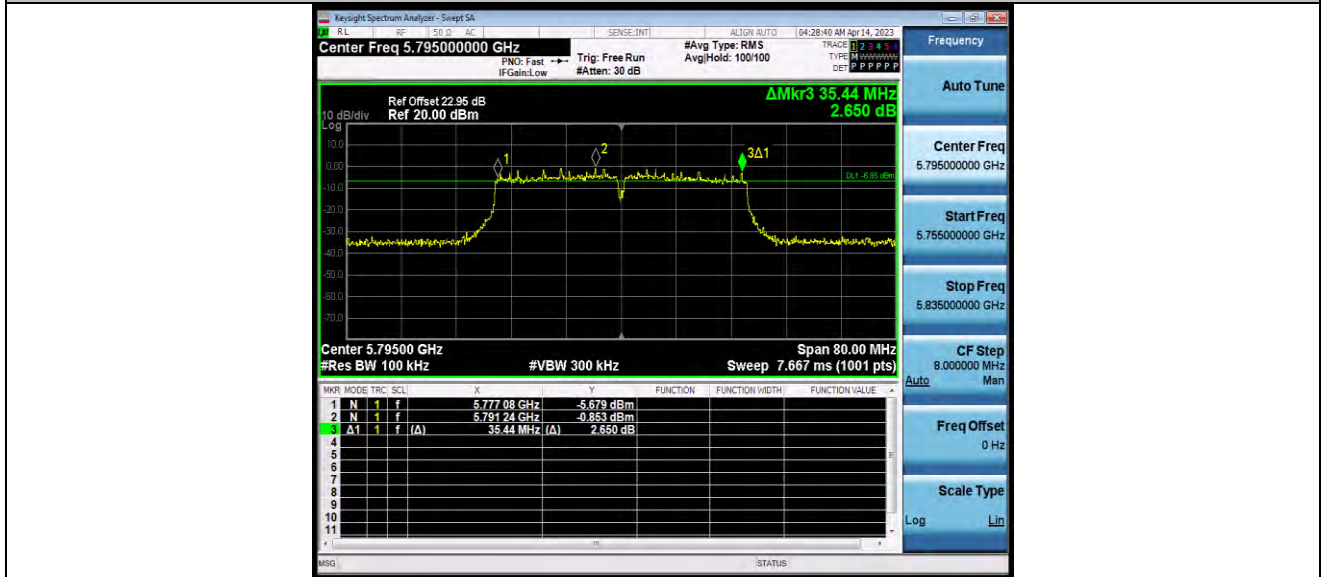


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N40SISO\_Ant1\_5795

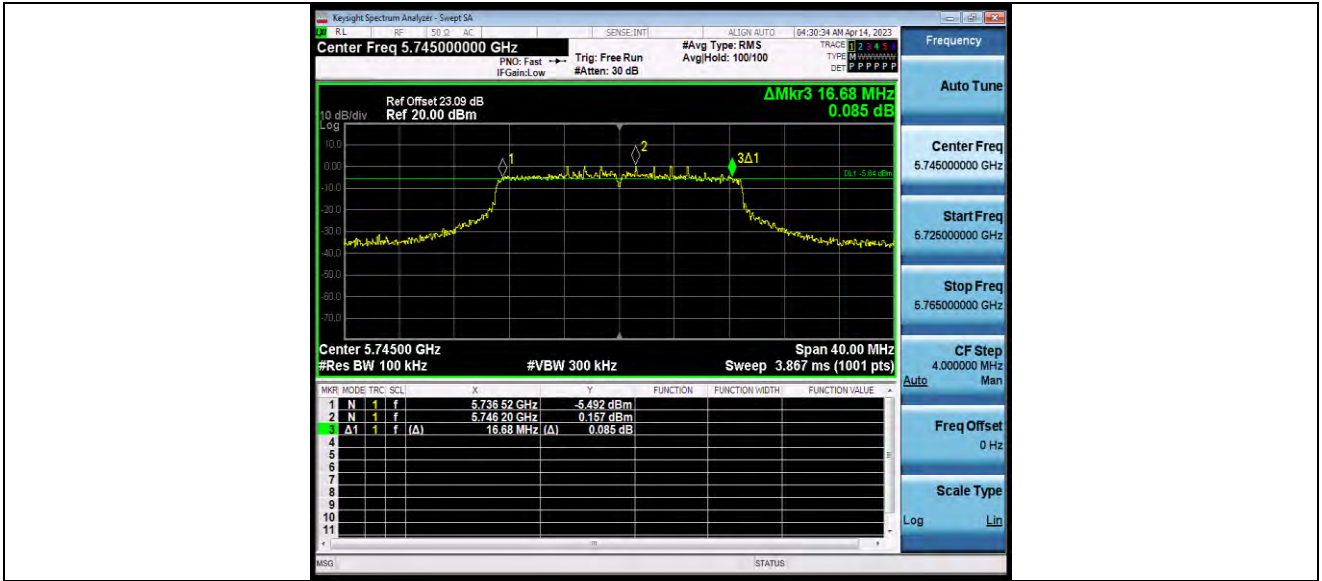


11AC20SISO\_Ant1\_5745

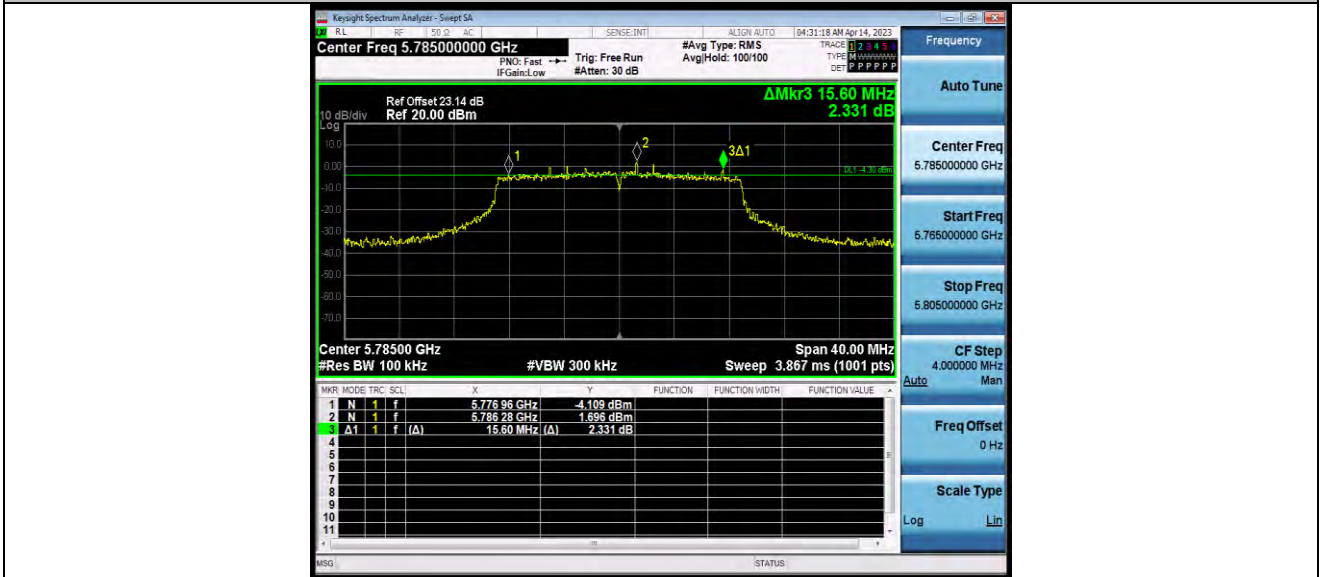


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5785

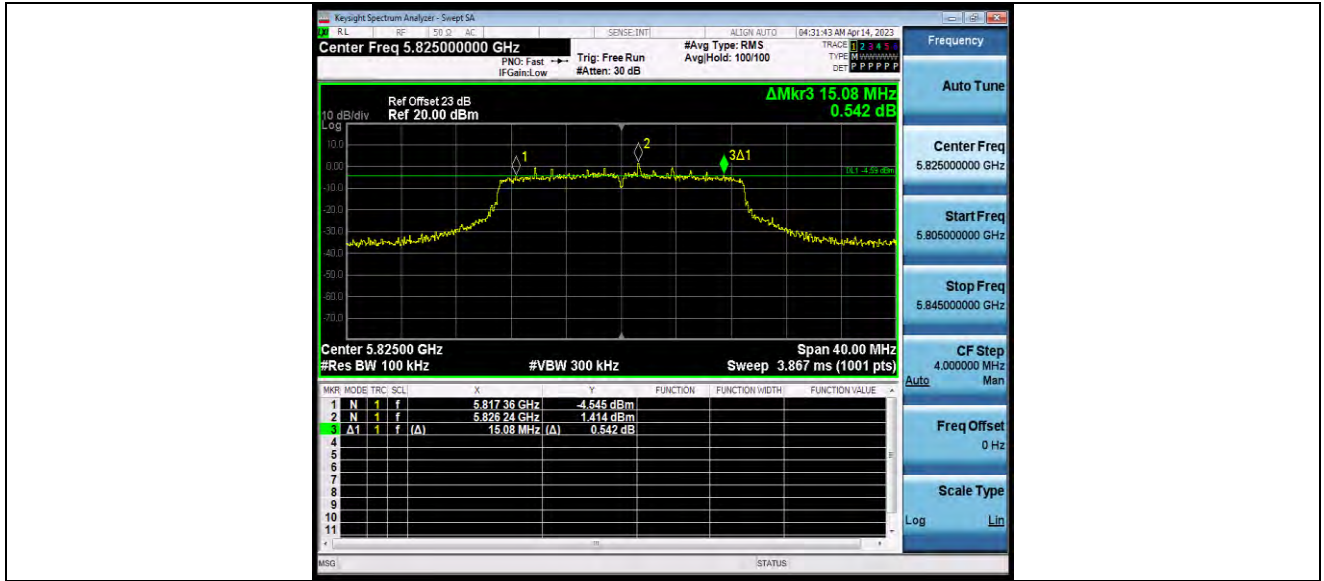


11AC20SISO\_Ant1\_5825

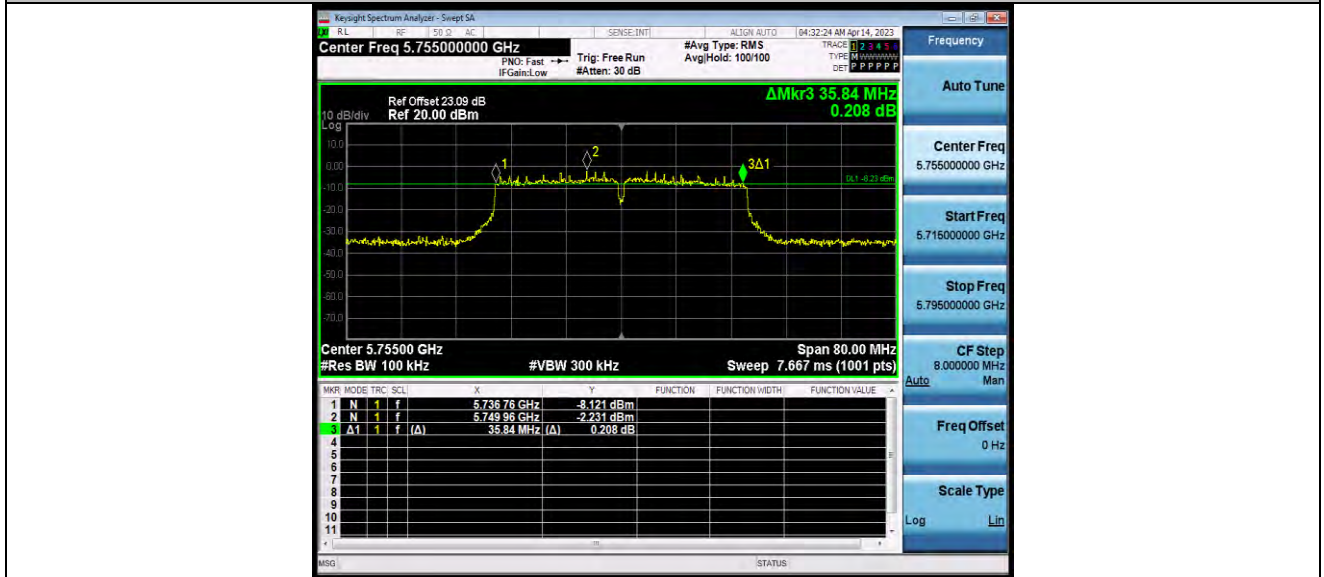


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5755



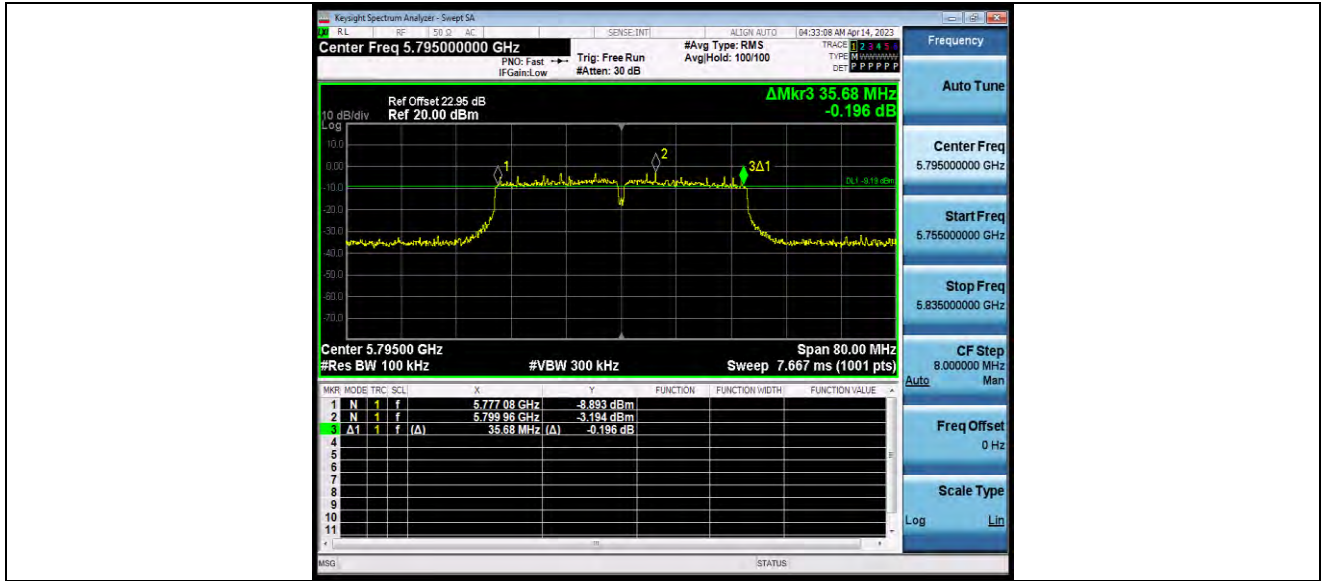
11AC40SISO\_Ant1\_5795



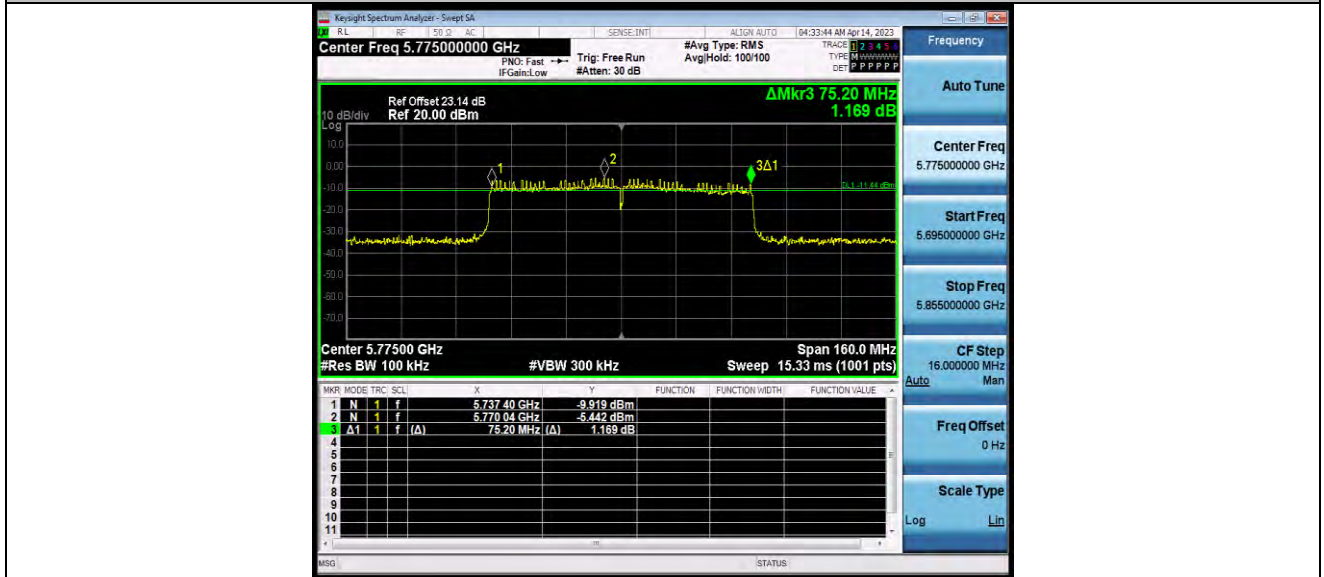


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC80SISO\_Ant1\_5775





### DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.03	2.07	98.07
		5200	2.03	2.06	98.54
		5240	2.03	2.07	98.07
		5260	2.03	2.06	98.54
		5300	2.03	2.07	98.07
		5320	2.02	2.06	98.06
		5500	2.03	2.06	98.54
		5580	2.03	2.07	98.07
		5700	2.03	2.07	98.07
		5720	2.02	2.06	98.06
		5745	2.03	2.07	98.07
		5785	2.03	2.07	98.07
		5825	2.03	2.07	98.07
11N20SISO	Ant1	5180	1.70	1.74	97.70
		5200	1.70	1.74	97.70
		5240	1.70	1.74	97.70
		5260	1.70	1.74	97.70
		5300	1.70	1.74	97.70
		5320	1.70	1.74	97.70
		5500	1.70	1.74	97.70
		5580	1.71	1.74	98.28
		5700	1.70	1.74	97.70
		5720	1.70	1.74	97.70
		5745	1.70	1.74	97.70
		5785	1.70	1.74	97.70
		5825	1.70	1.74	97.70
11N40SISO	Ant1	5190	0.83	0.87	95.40
		5230	0.84	0.87	96.55
		5270	0.84	0.87	96.55



11N40SISO	Ant1	5310	0.84	0.87	96.55
		5510	0.84	0.87	96.55
		5550	0.84	0.87	96.55
		5670	0.84	0.87	96.55
		5710	0.84	0.88	95.45
		5755	0.83	0.87	95.40
		5795	0.84	0.88	95.45
11AC20SISO	Ant1	5180	1.71	1.74	98.28
		5200	1.70	1.74	97.70
		5240	1.71	1.74	98.28
		5260	1.70	1.74	97.70
		5300	1.71	1.74	98.28
		5320	1.71	1.74	98.28
		5500	1.70	1.73	98.27
		5580	1.70	1.74	97.70
		5700	1.70	1.74	97.70
		5720	1.71	1.74	98.28
		5745	1.71	1.74	98.28
		5785	1.70	1.74	97.70
		5825	1.71	1.74	98.28
11AC40SISO	Ant1	5190	0.84	0.88	95.45
		5230	0.84	0.87	96.55
		5270	0.84	0.87	96.55
		5310	0.84	0.87	96.55
		5510	0.84	0.88	95.45
		5550	0.84	0.88	95.45
		5670	0.84	0.88	95.45
		5710	0.84	0.88	95.45
		5755	0.84	0.87	96.55
		5795	0.84	0.87	96.55
11AC80SISO	Ant1	5210	0.42	0.45	93.33
		5290	0.41	0.45	91.11
		5530	0.41	0.45	91.11
		5610	0.41	0.45	91.11
		5690	0.41	0.45	91.11



BUREAU VERITAS

Test Report No.: W7L-P23030025RF03

		5775	0.42	0.45	93.33
--	--	------	------	------	-------

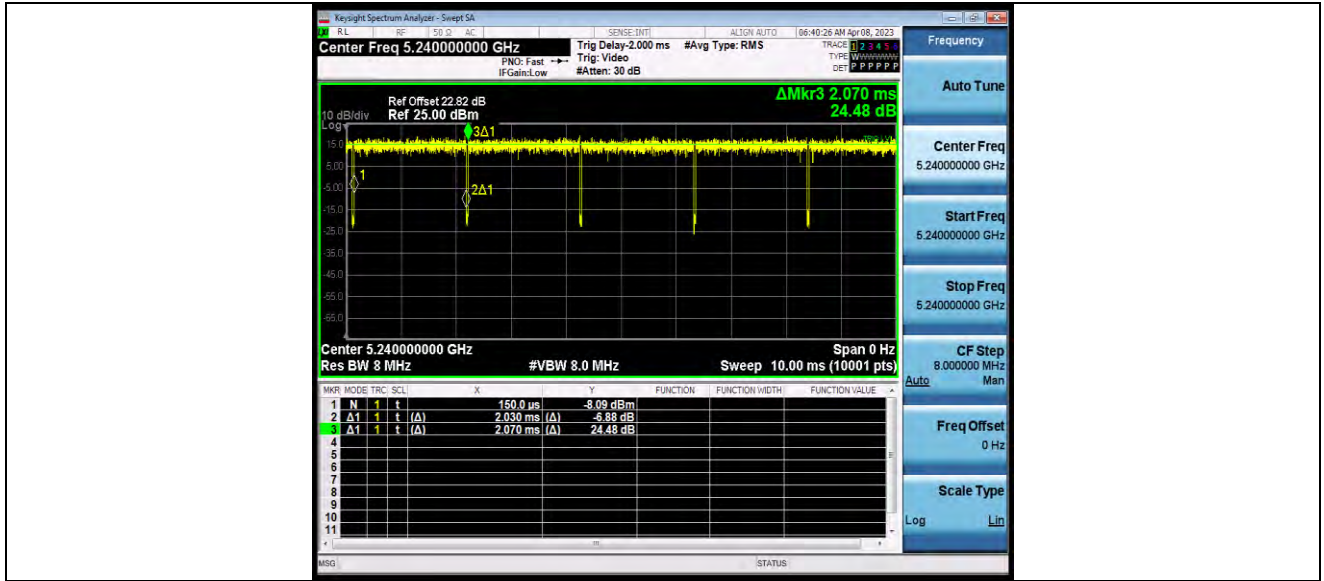
### TEST GRAPHS



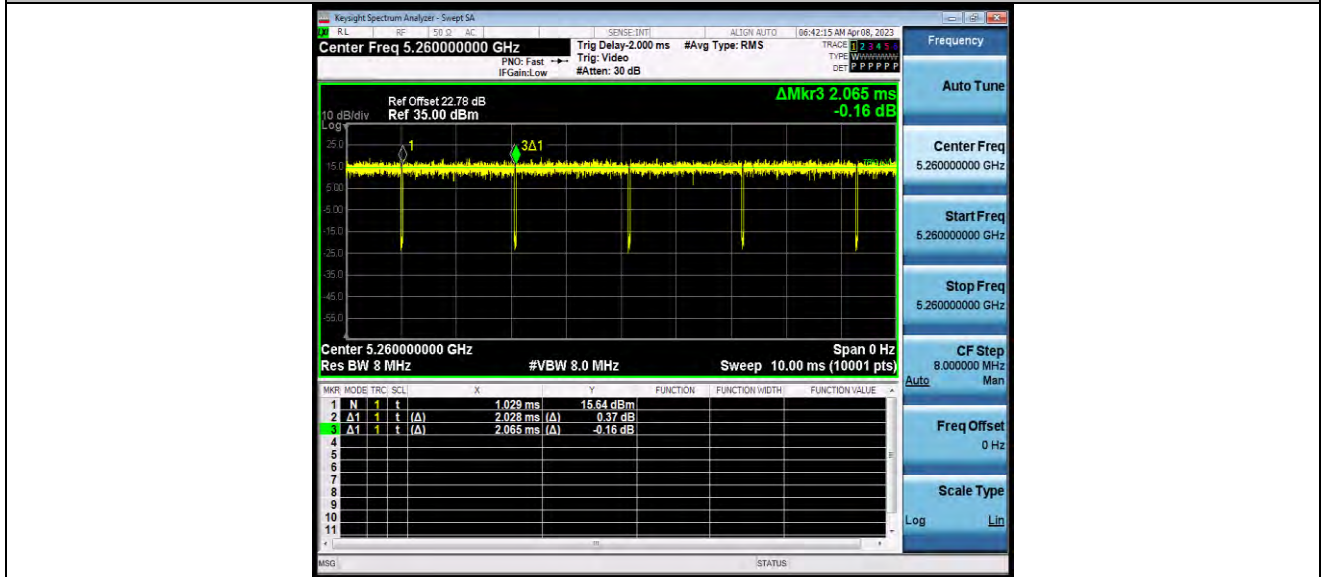


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11A\_Ant1\_5260

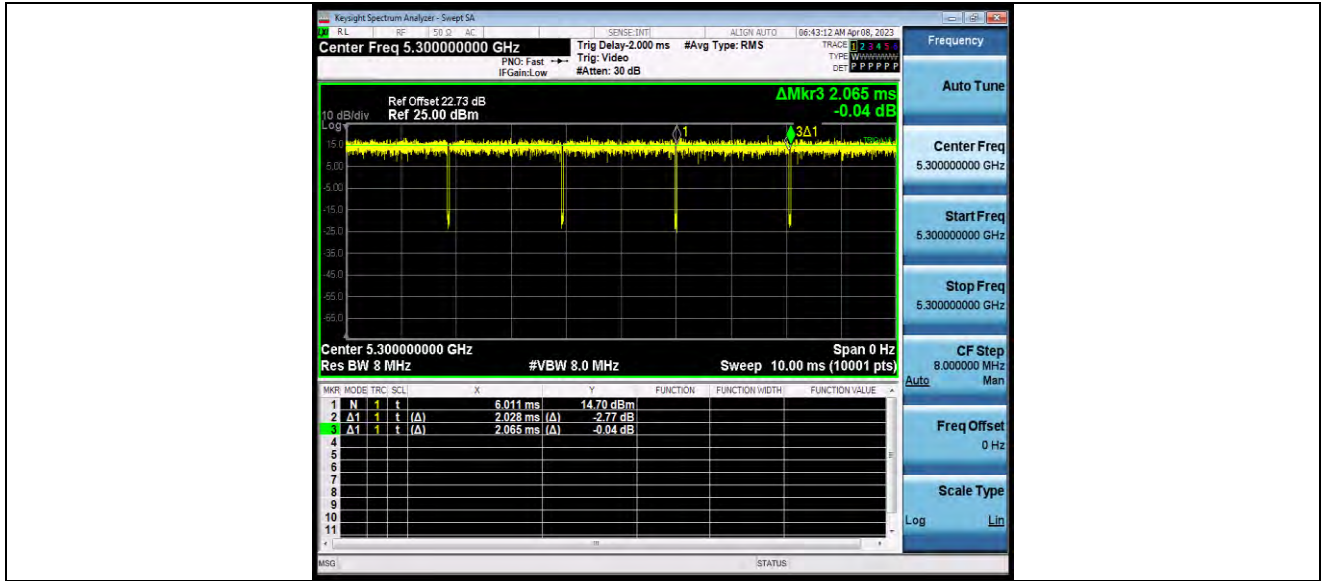


11A\_Ant1\_5300

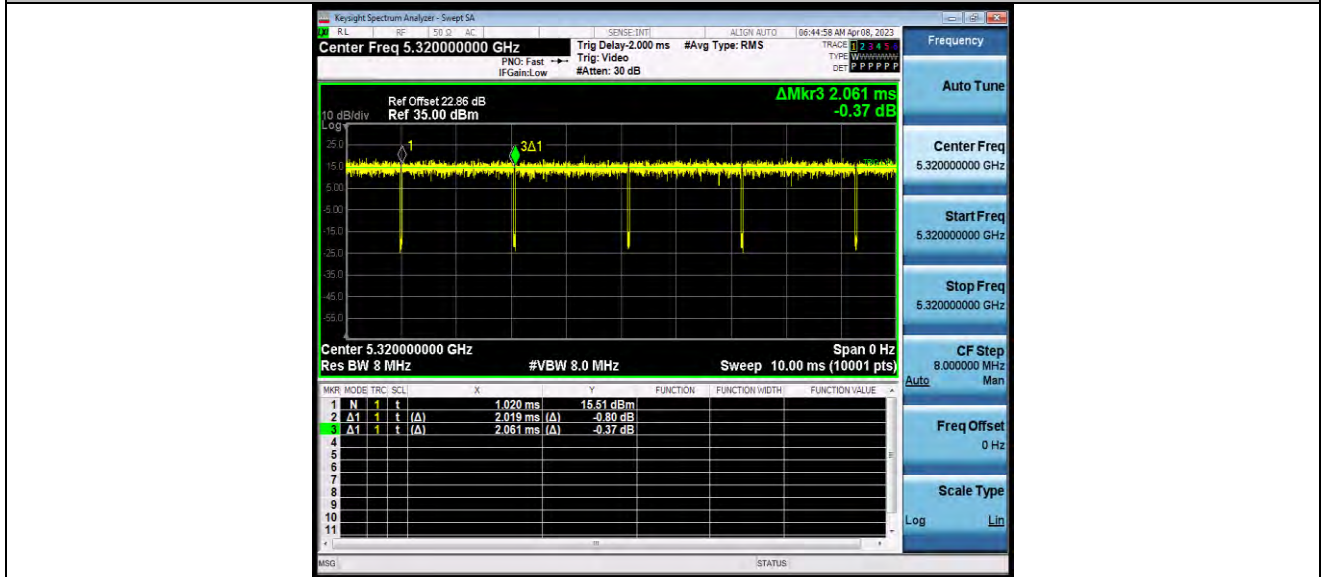


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11A\_Ant1\_5320

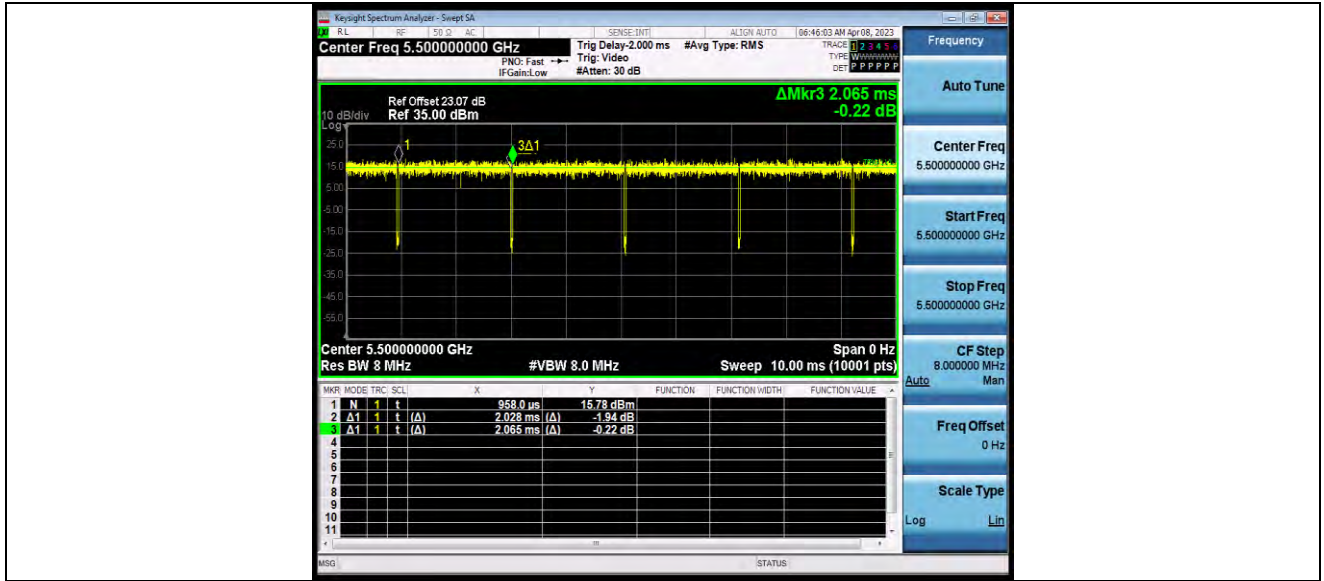


11A\_Ant1\_5500

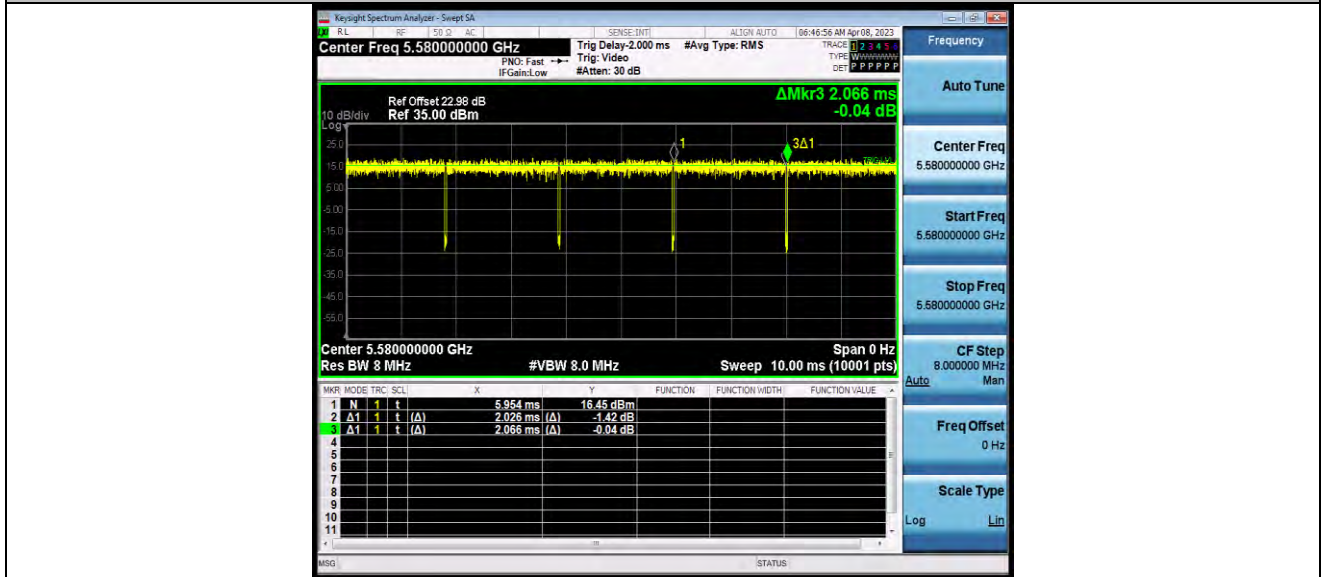


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11A\_Ant1\_5580

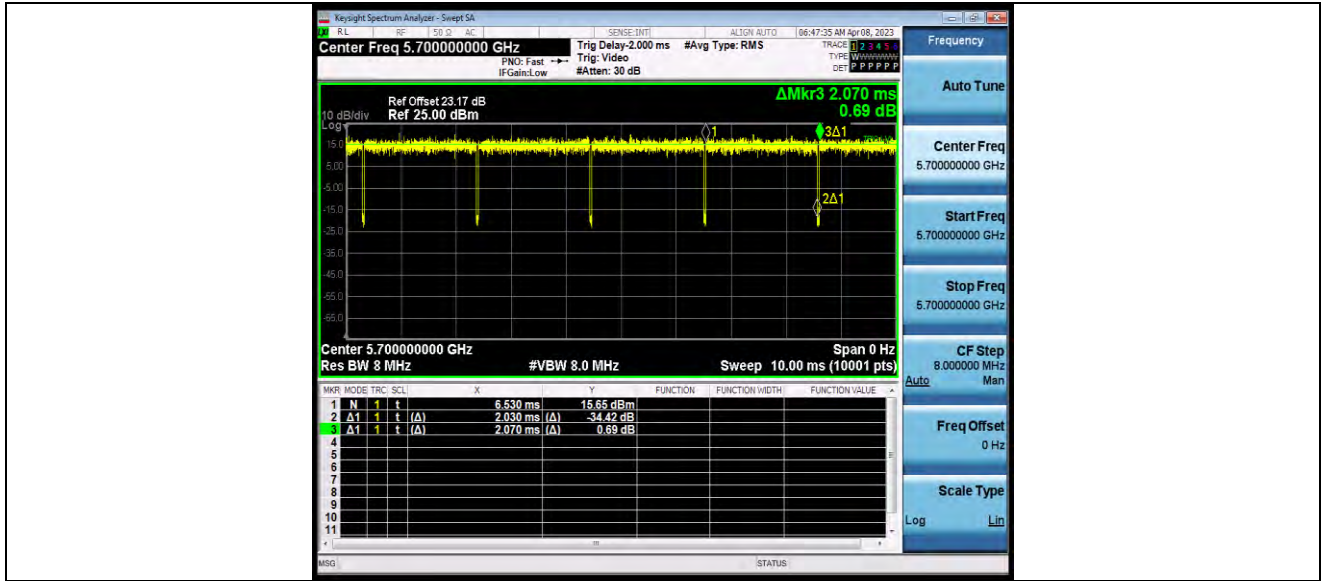


11A\_Ant1\_5700

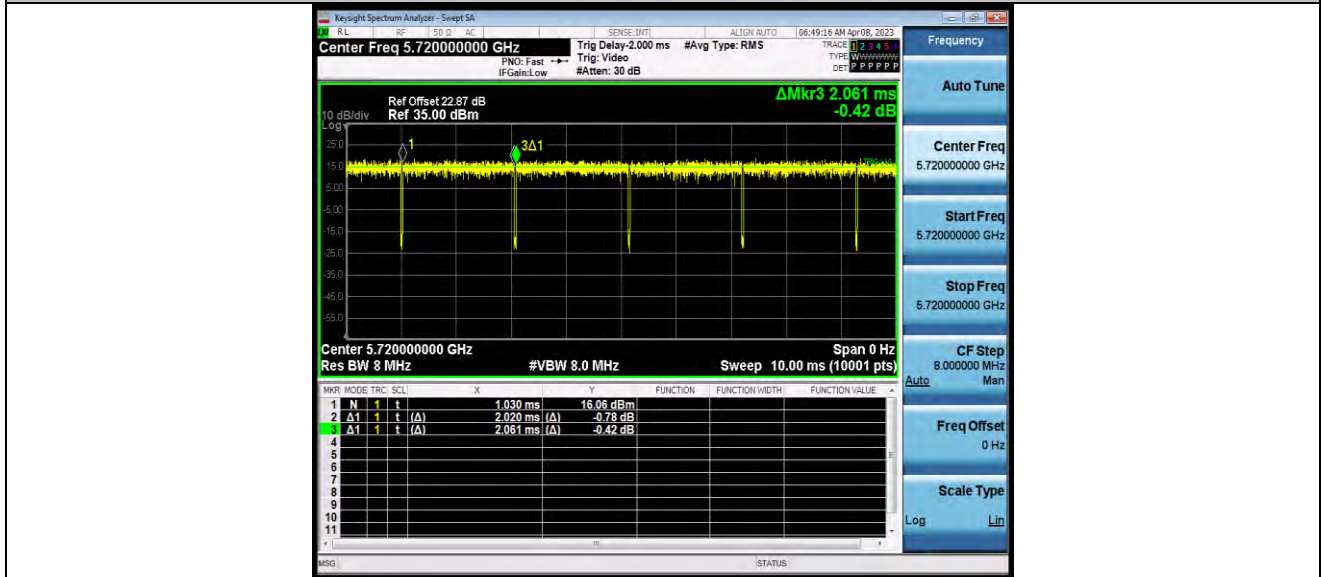


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11A\_Ant1\_5720



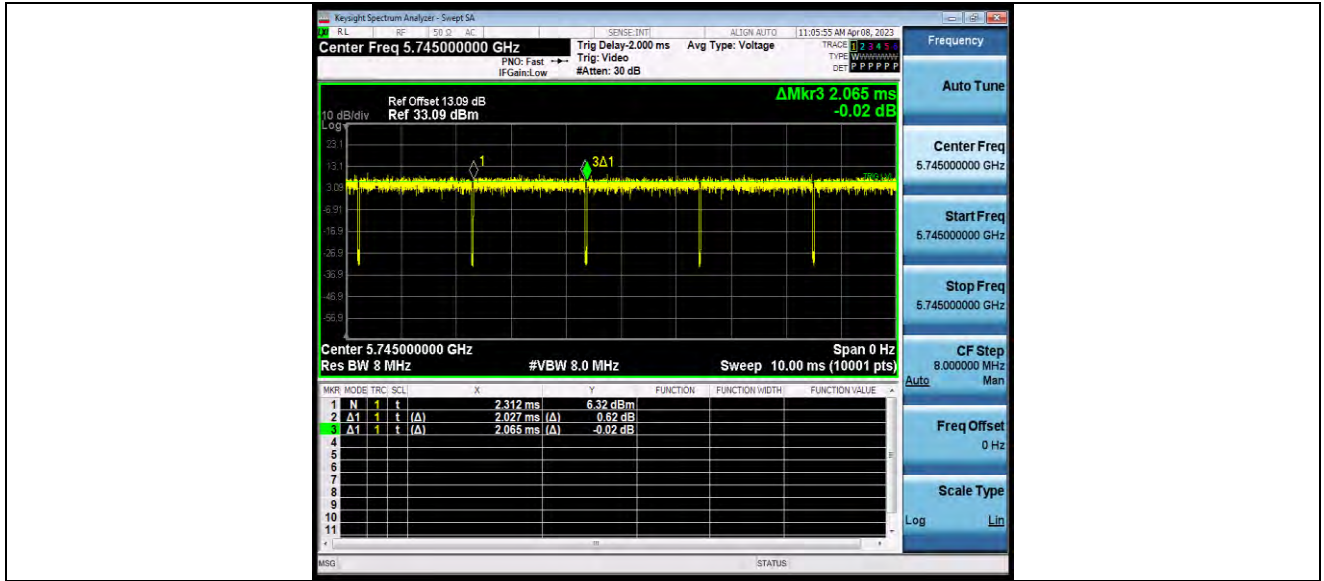
11A\_Ant1\_5745



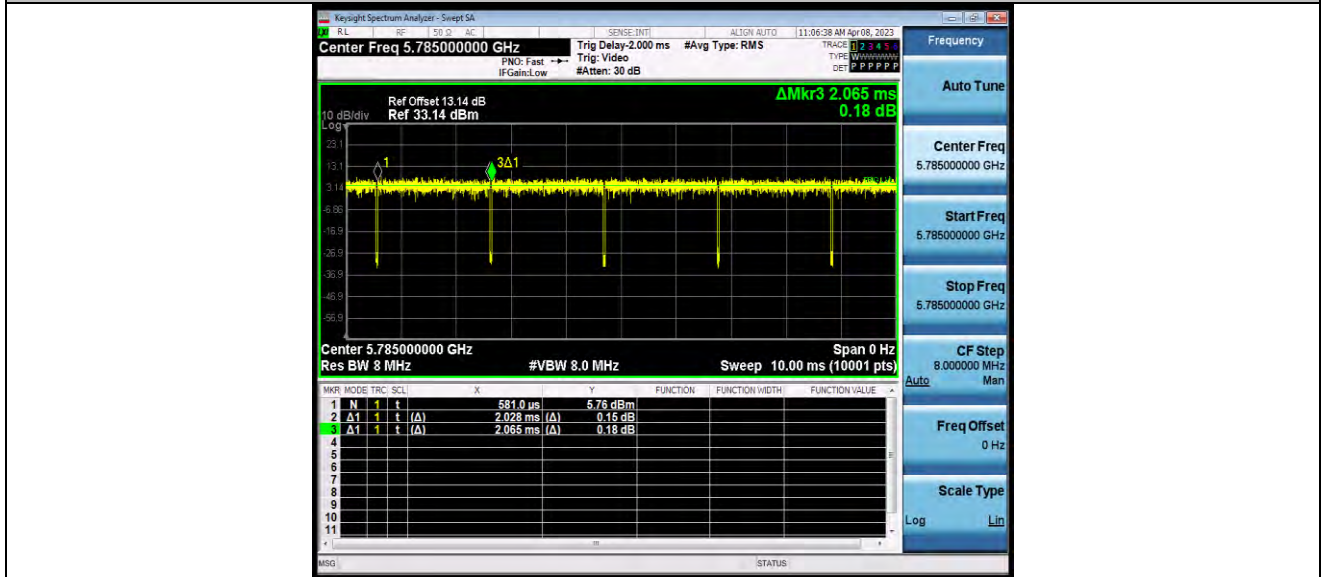


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11A\_Ant1\_5785

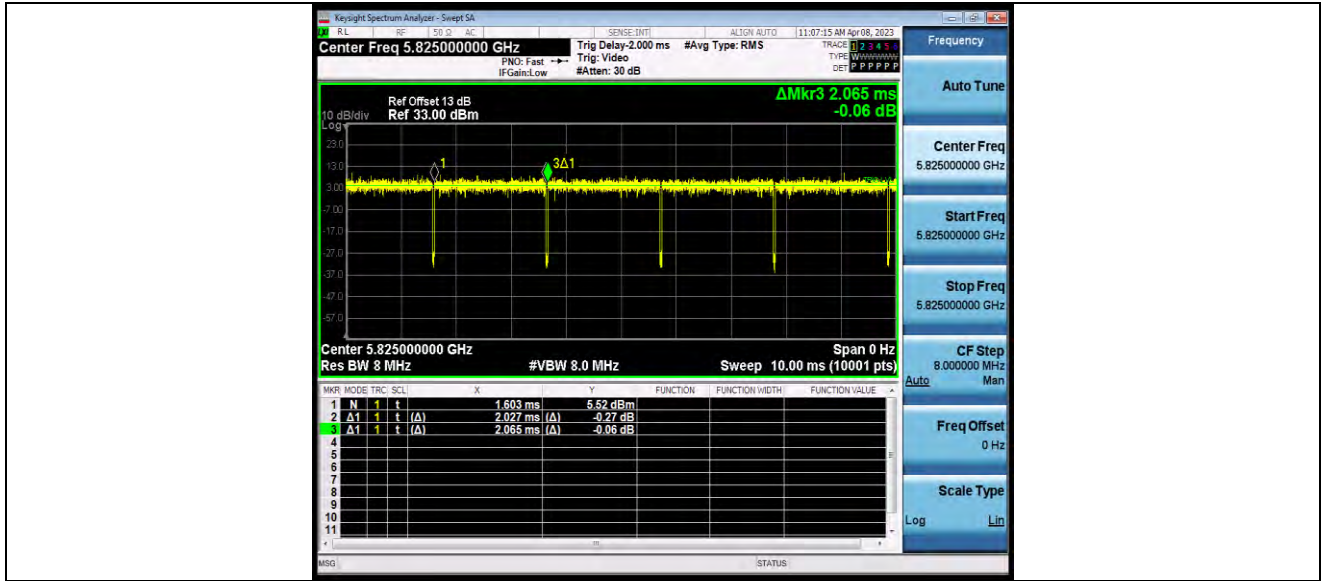


11A\_Ant1\_5825

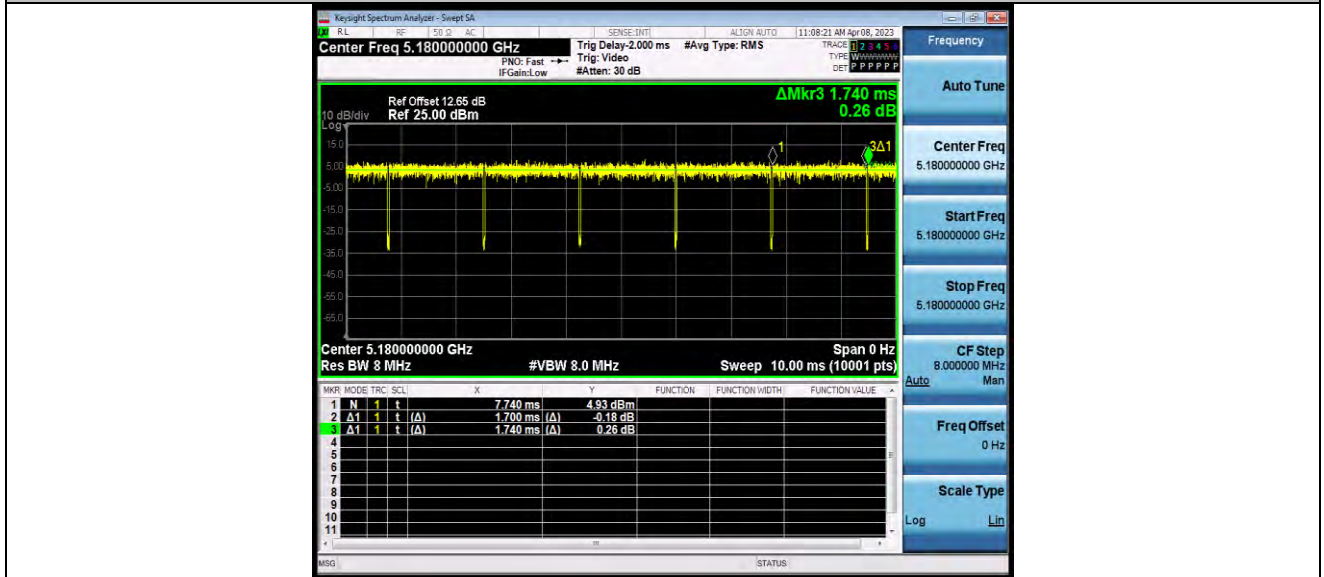


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5180

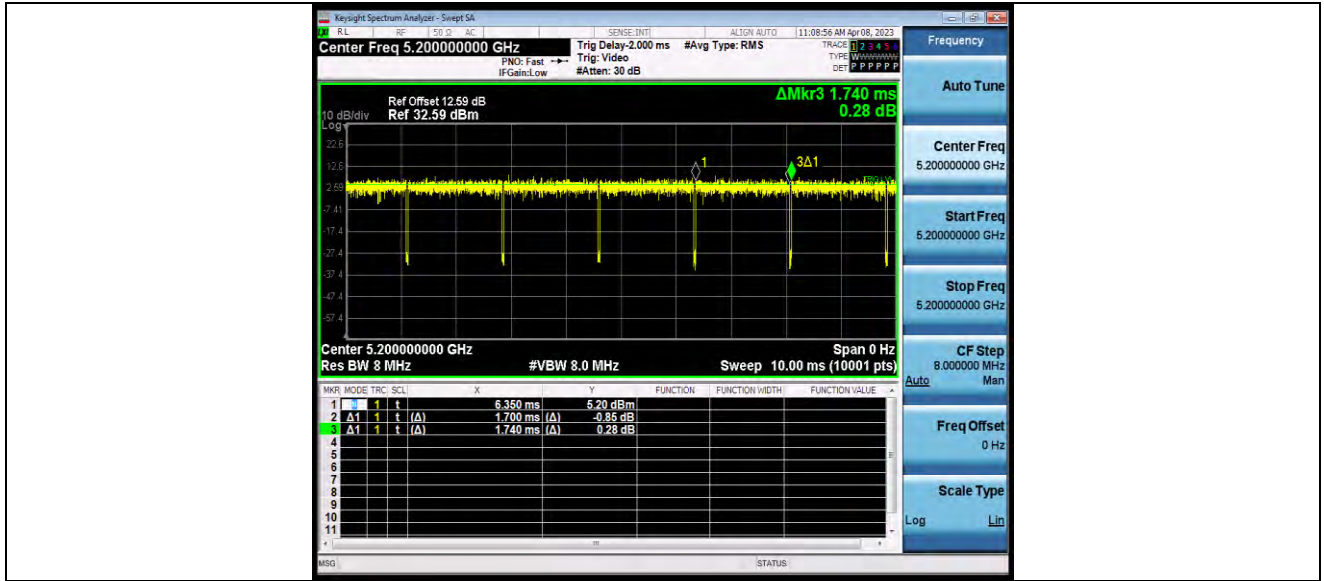


11N20SISO\_Ant1\_5200

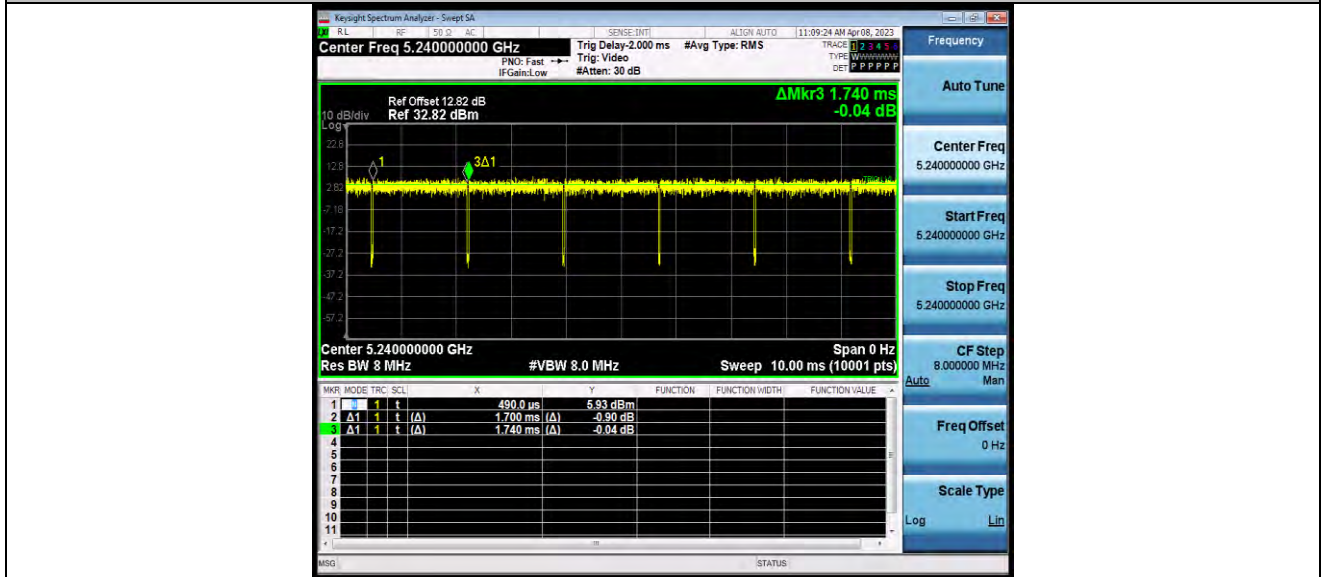


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5240

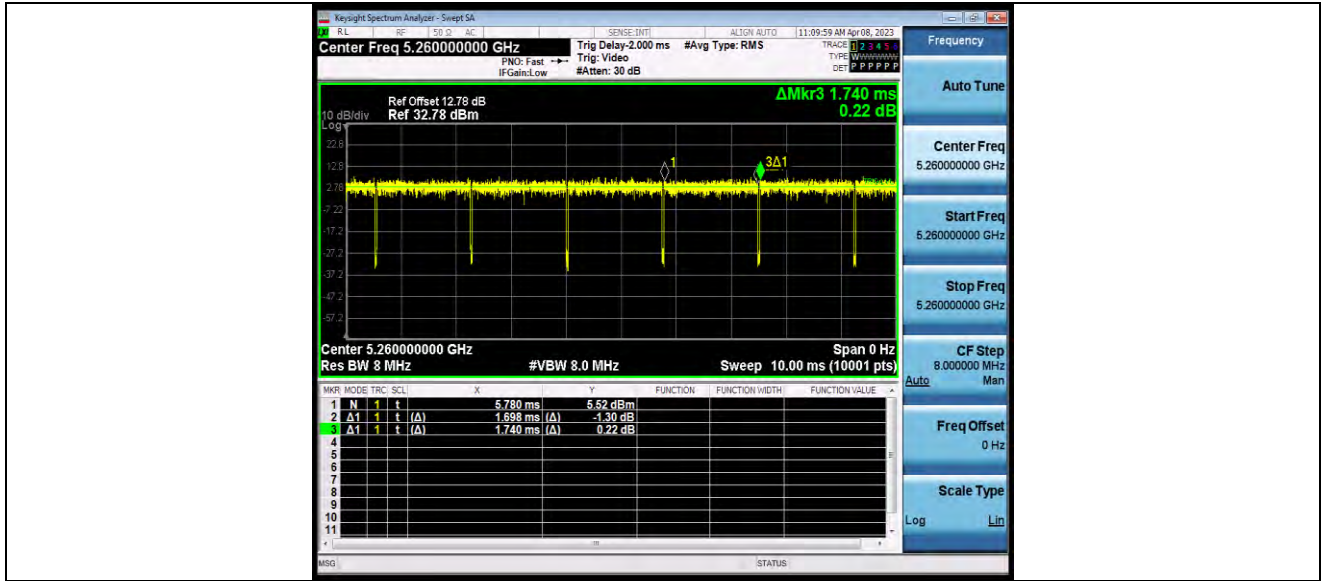


11N20SISO\_Ant1\_5260

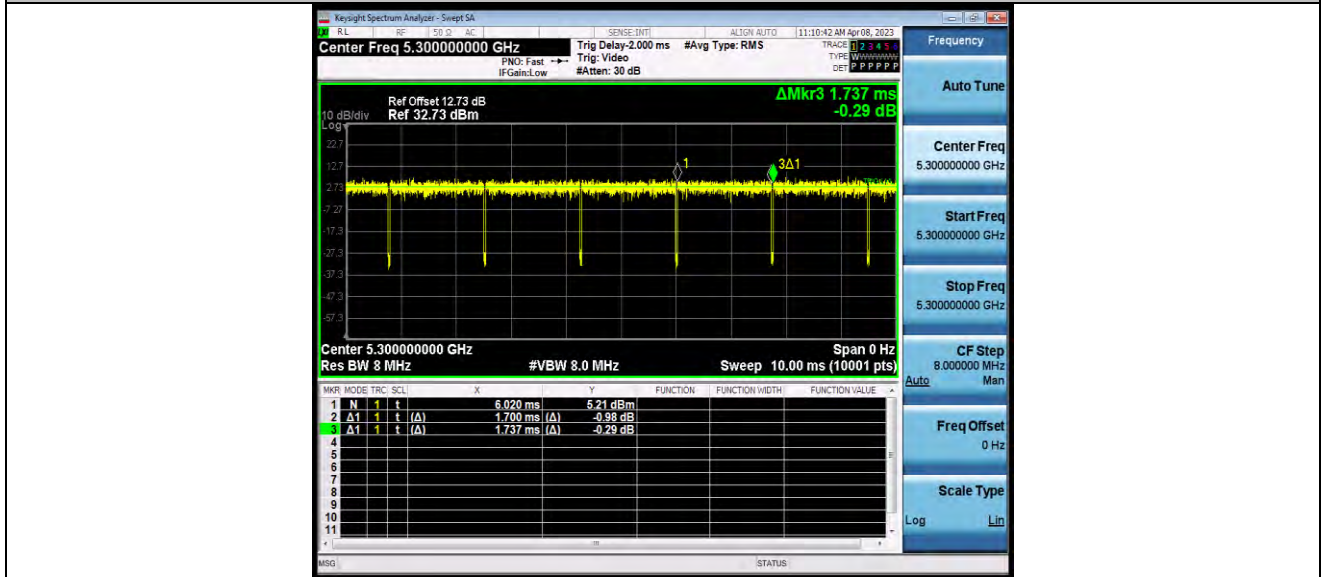


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5300

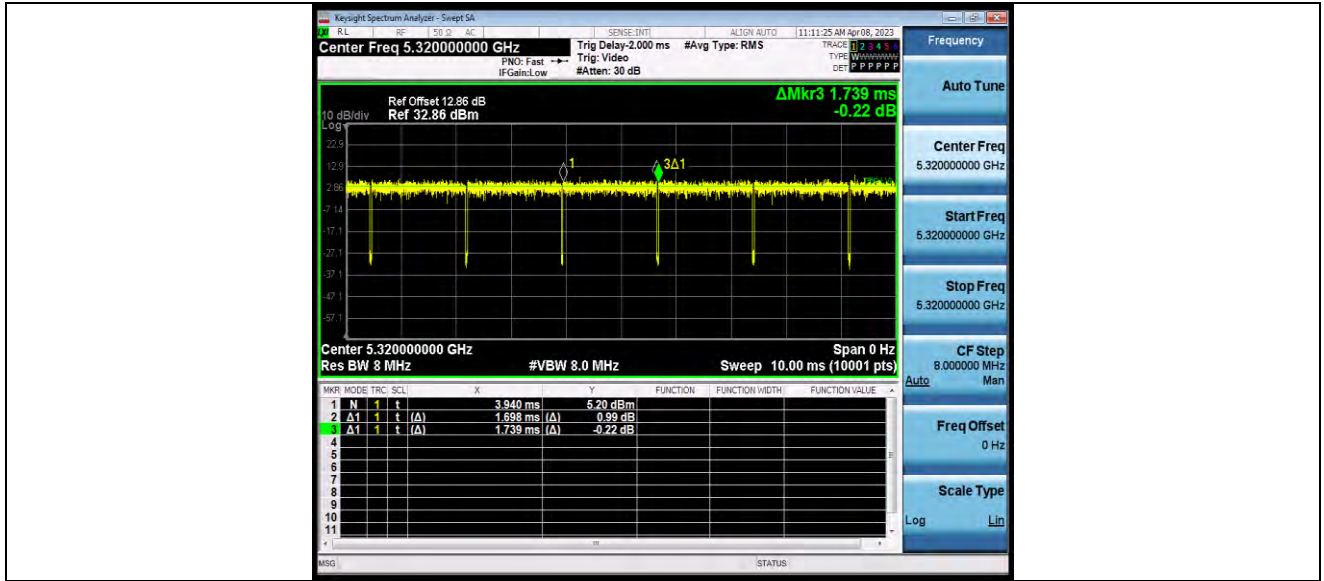


11N20SISO\_Ant1\_5320

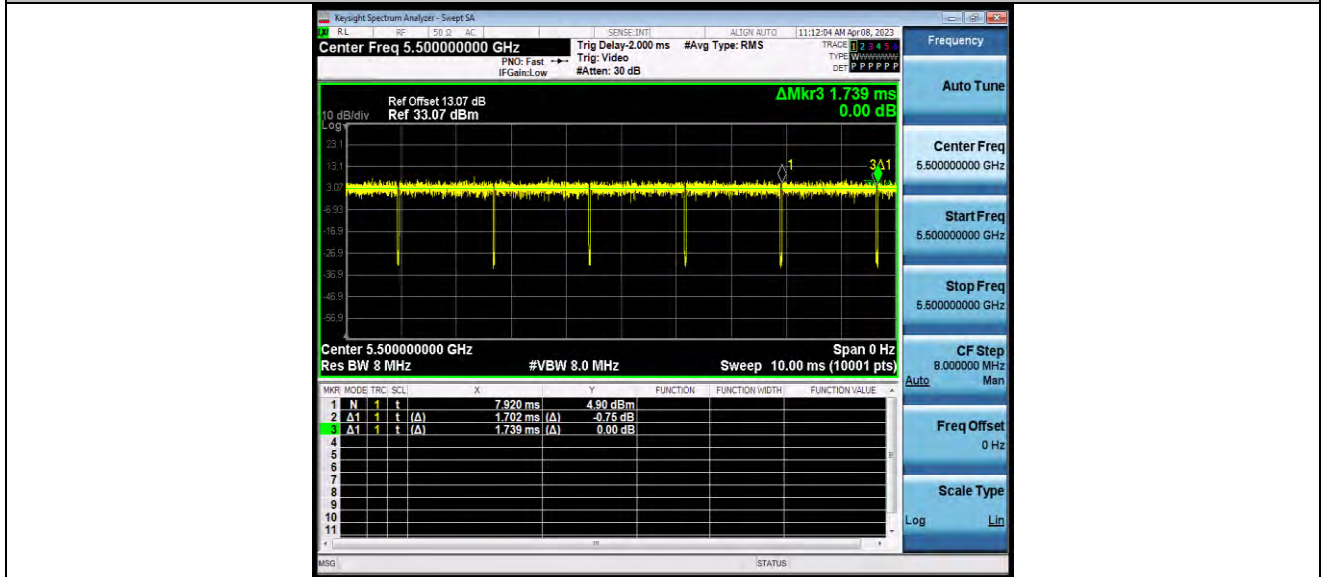


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5500

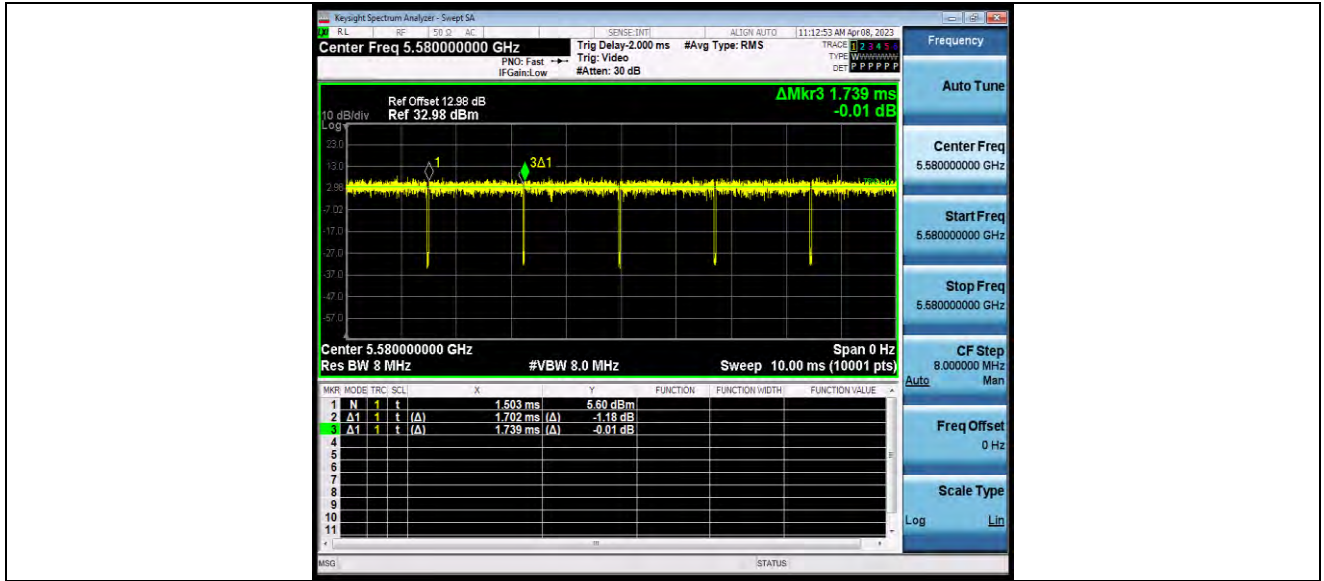


11N20SISO\_Ant1\_5580

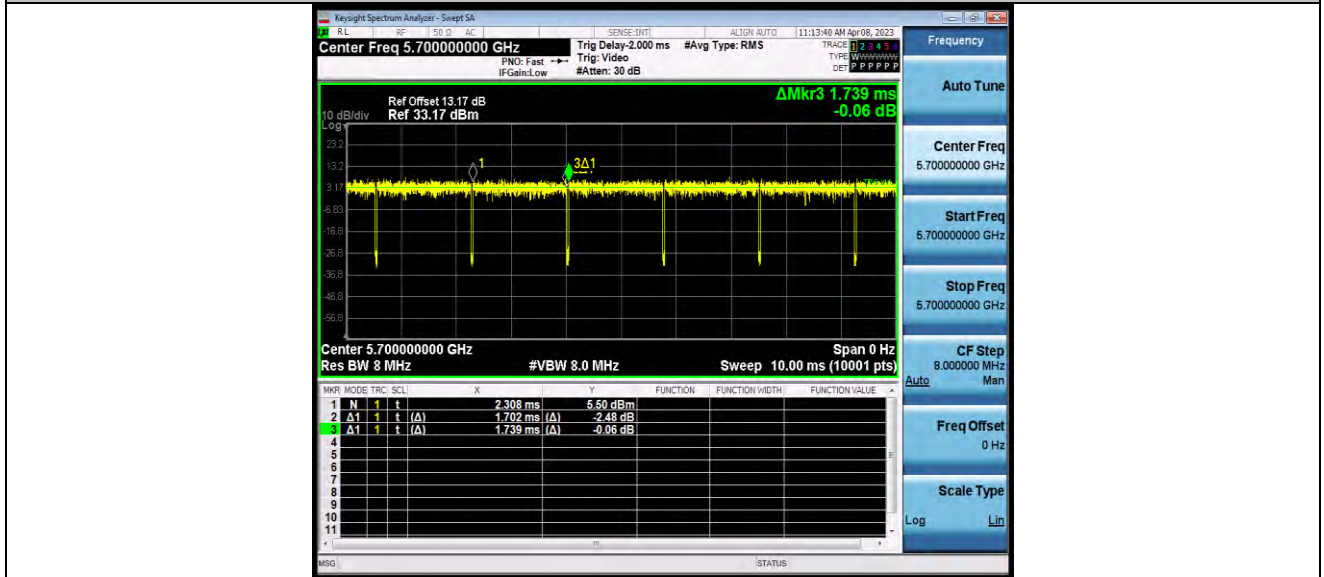


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5700

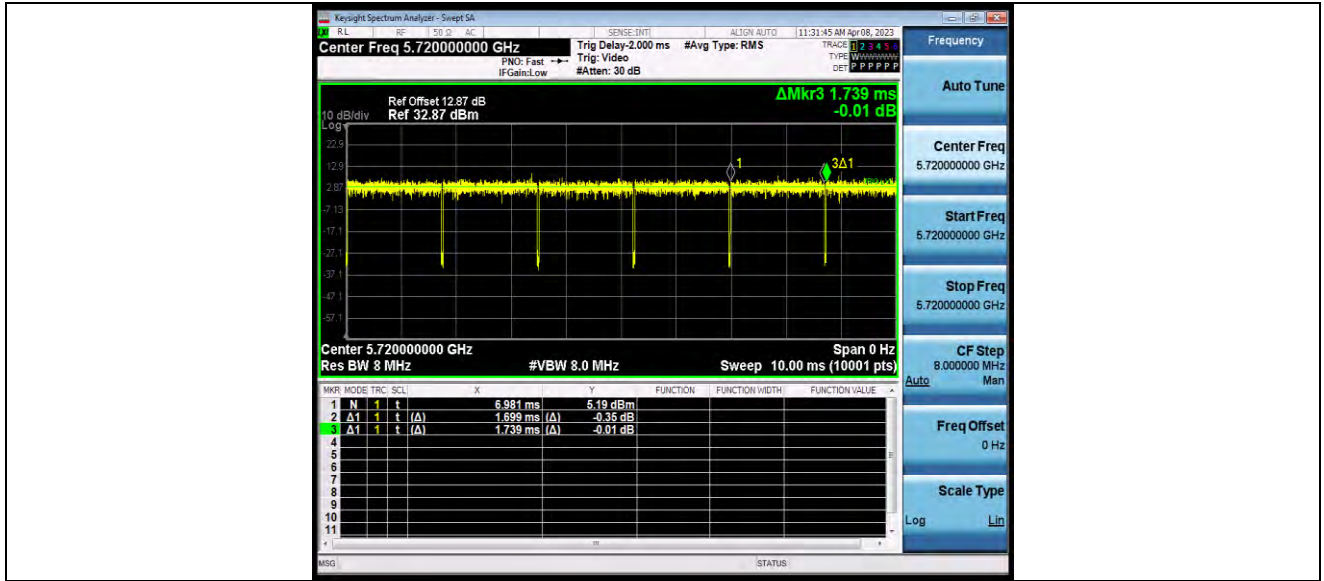


11N20SISO\_Ant1\_5720

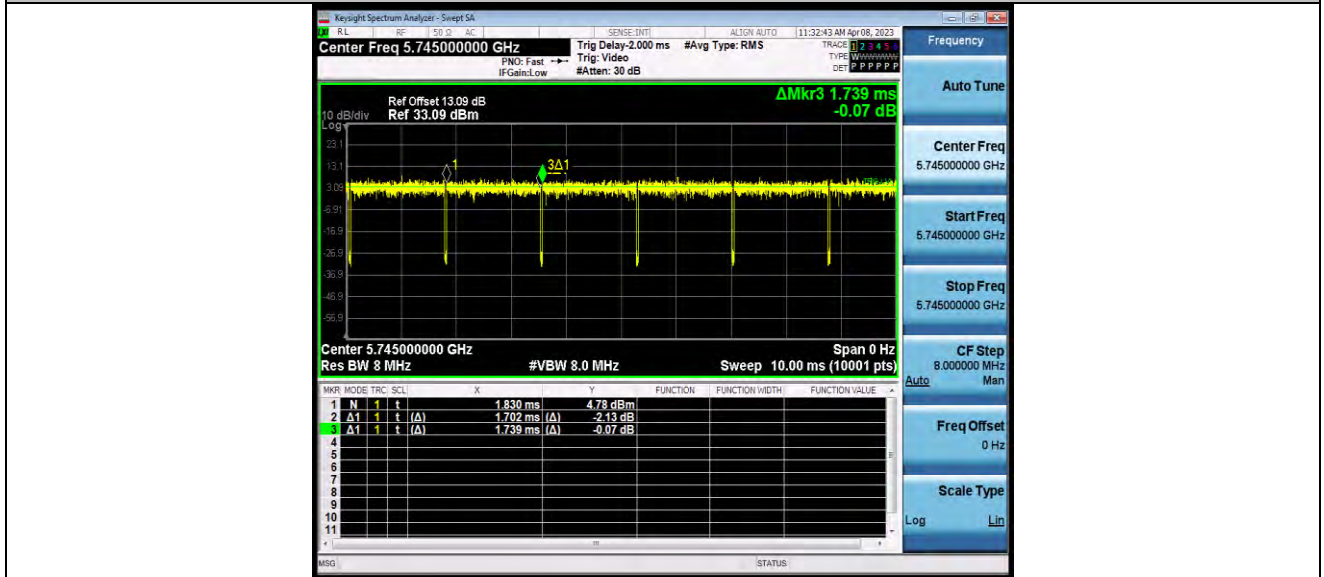


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5745

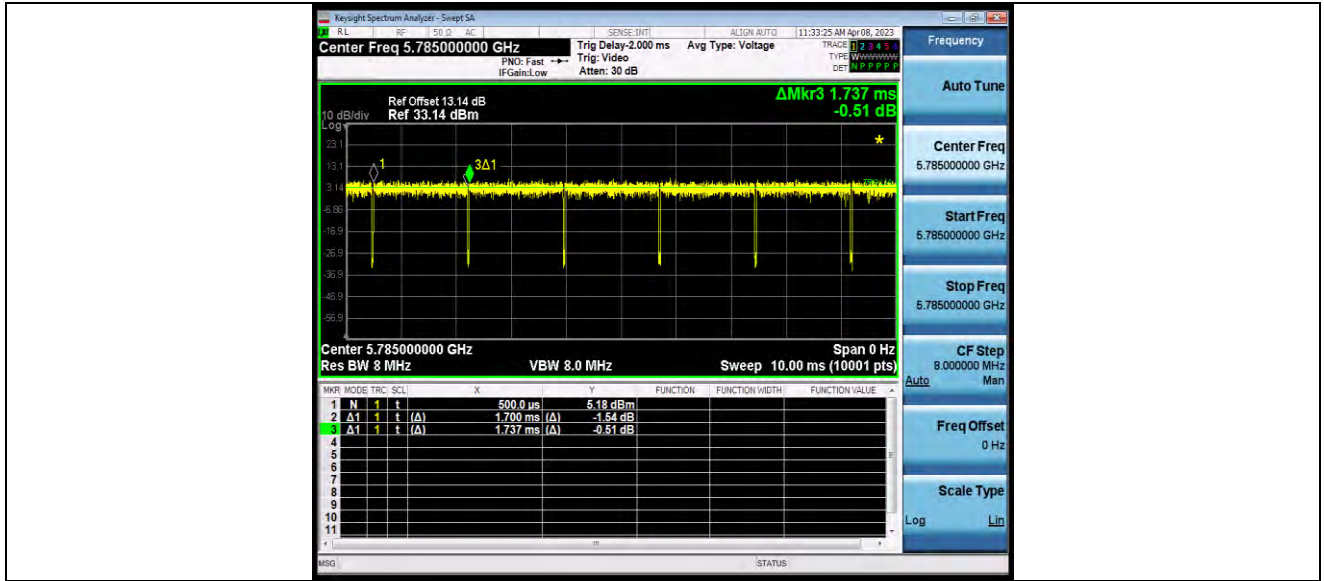


11N20SISO\_Ant1\_5785

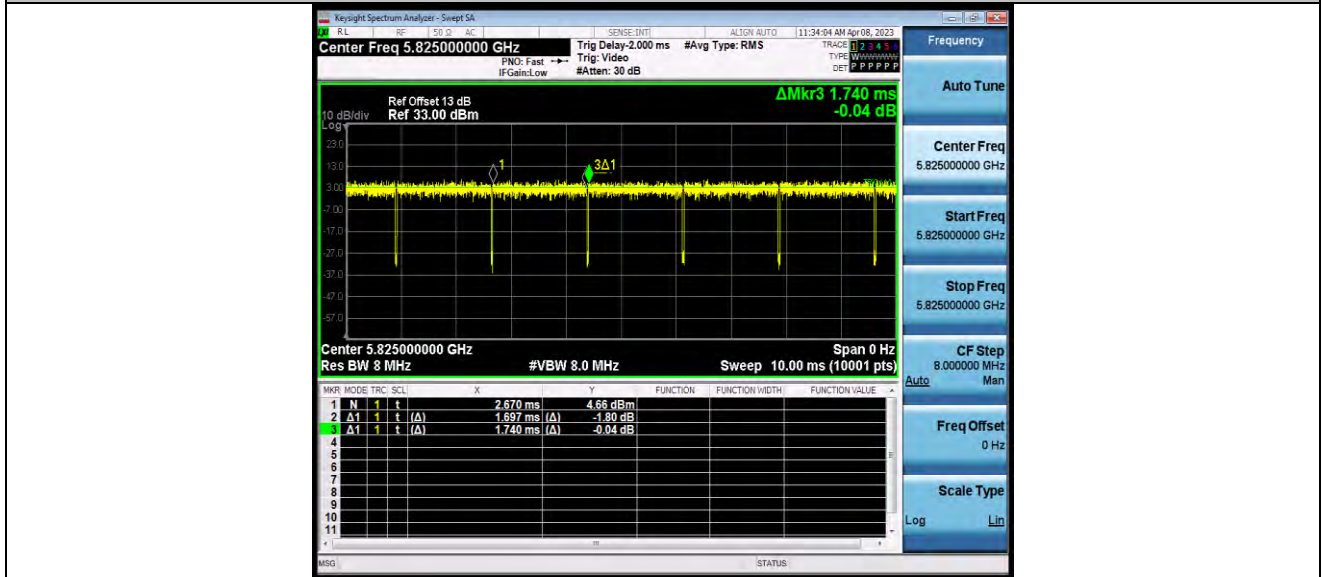


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N20SISO\_Ant1\_5825



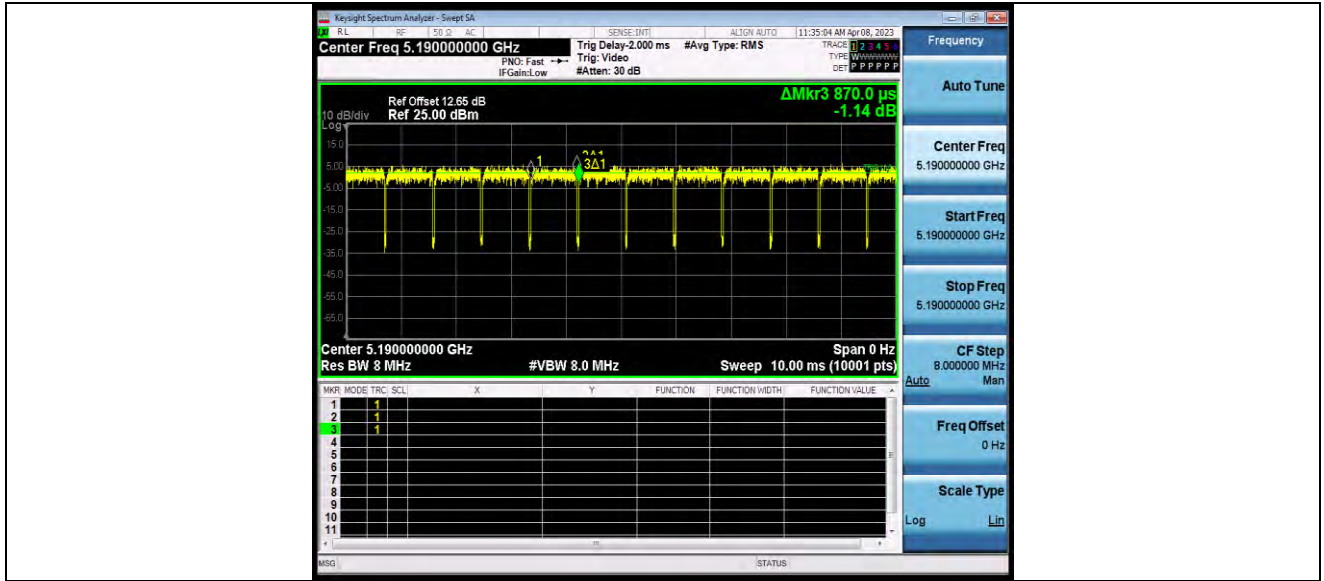
11N40SISO\_Ant1\_5190



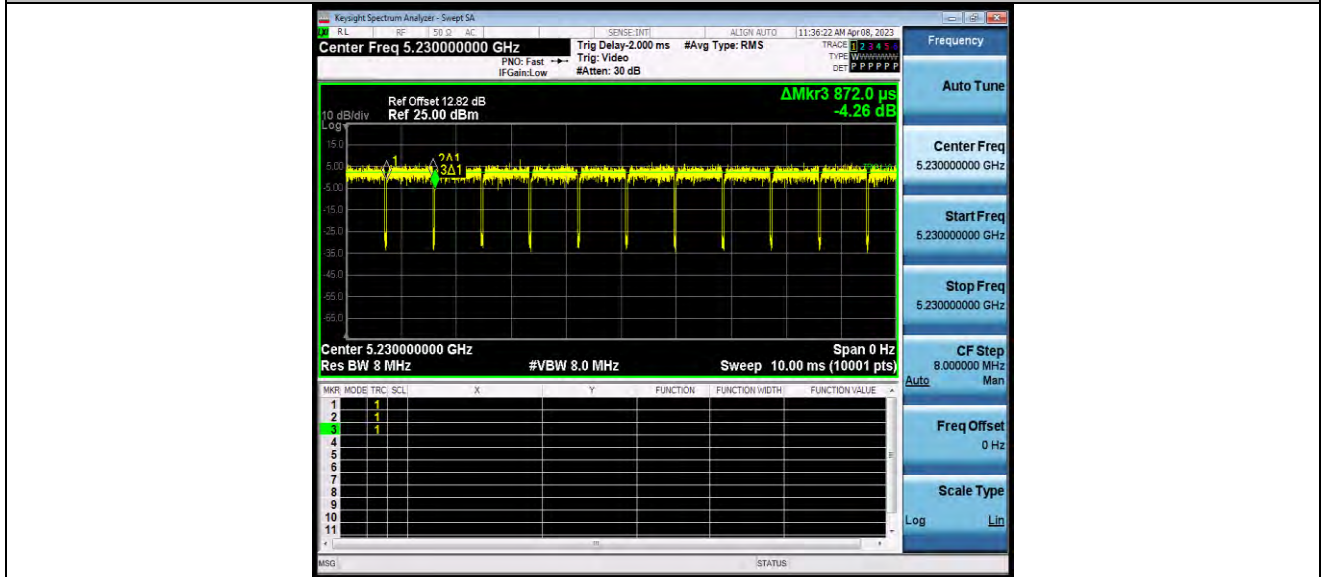


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N40SISO\_Ant1\_5230

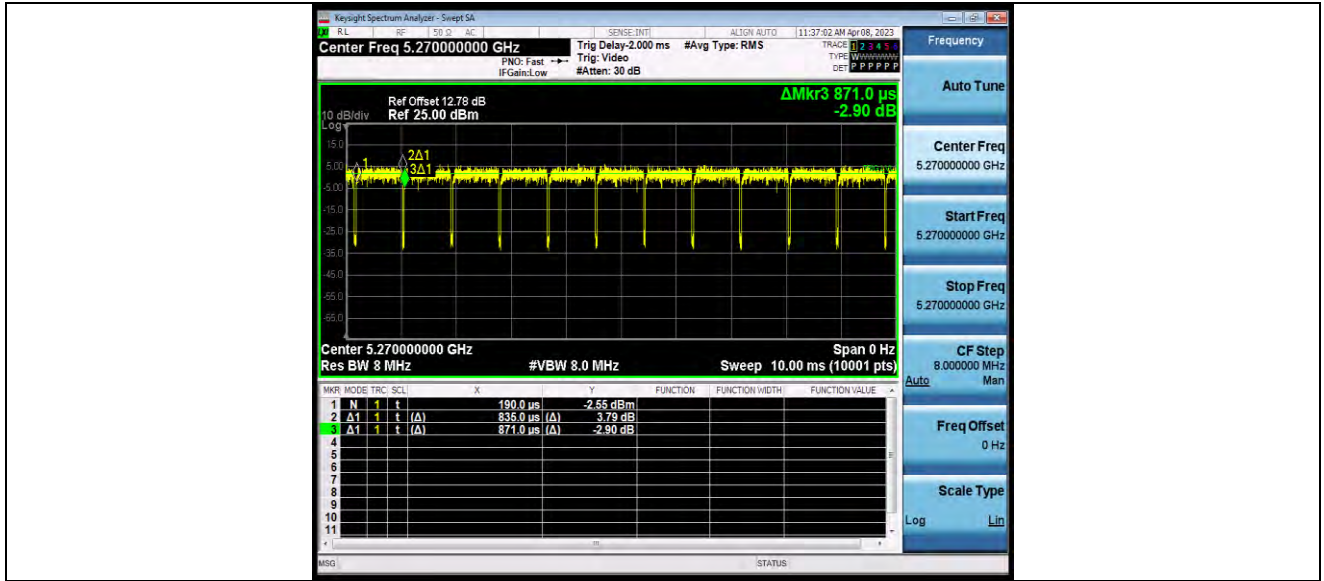


11N40SISO\_Ant1\_5270

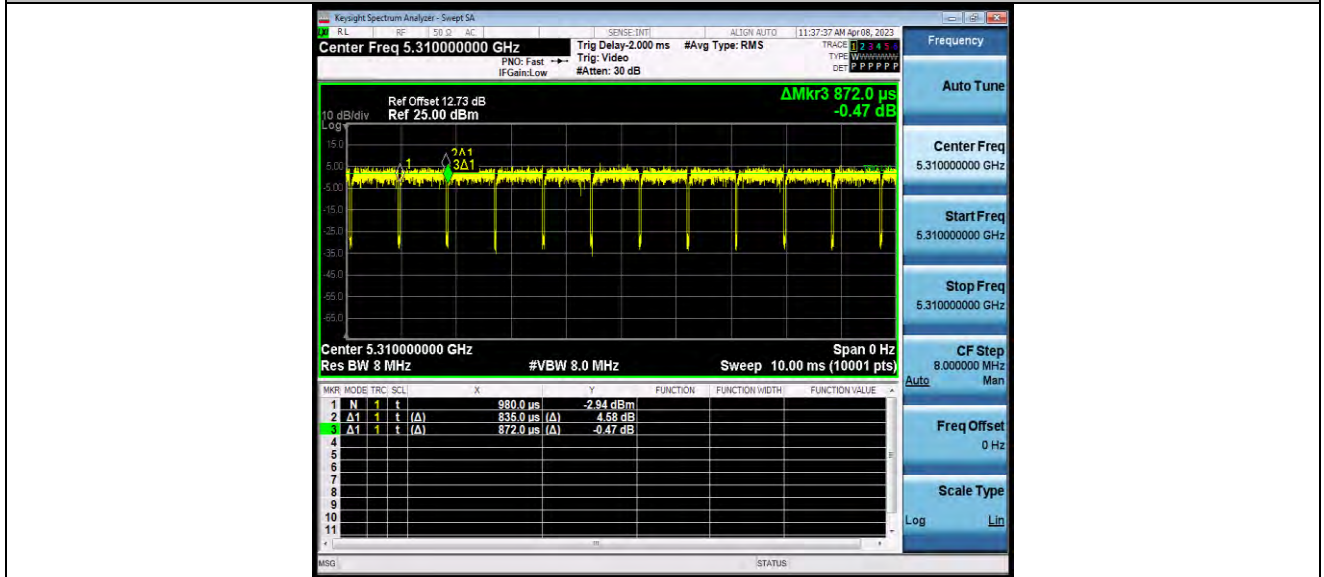


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N40SISO\_Ant1\_5310

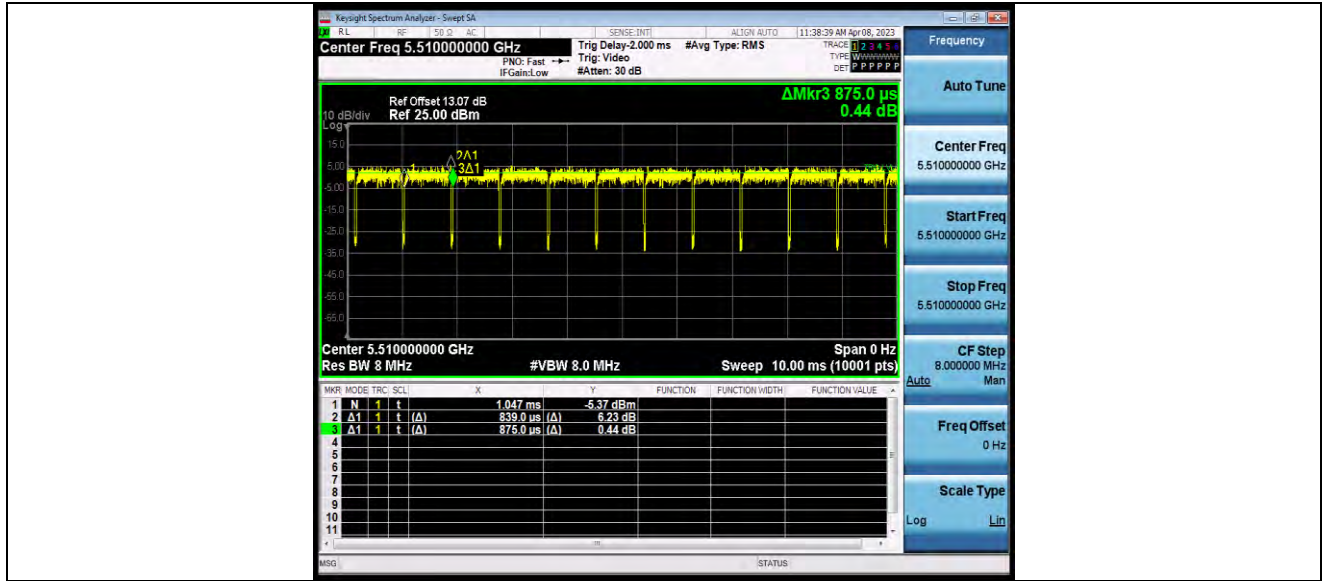


11N40SISO\_Ant1\_5510

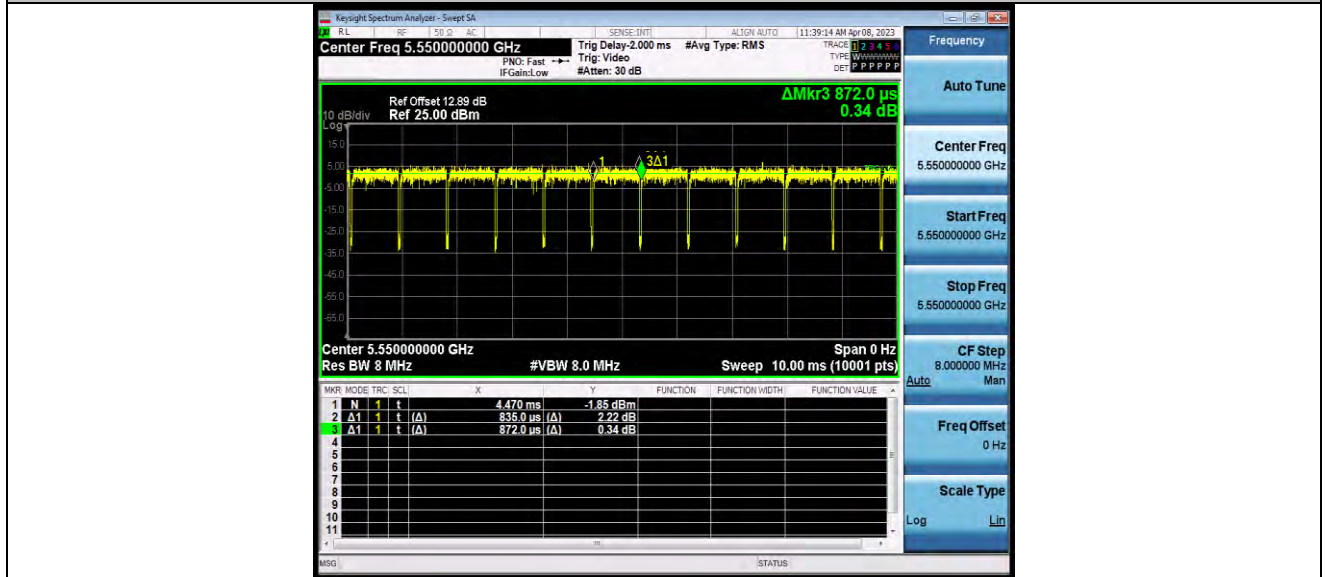


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N40SISO\_Ant1\_5550

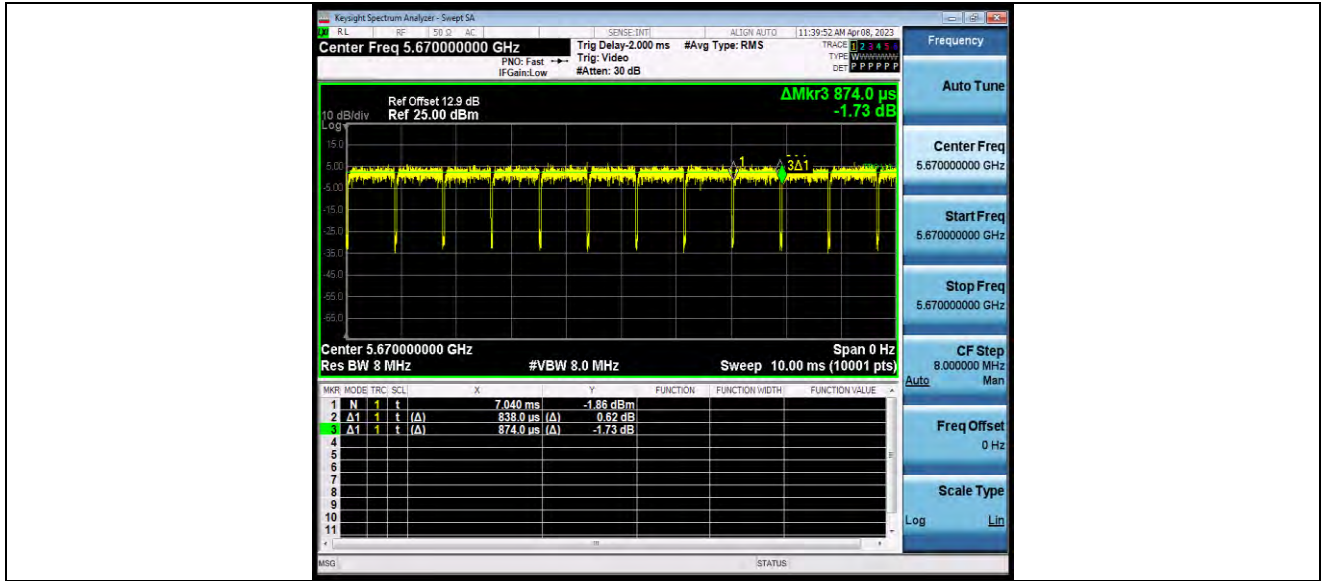


11N40SISO\_Ant1\_5670

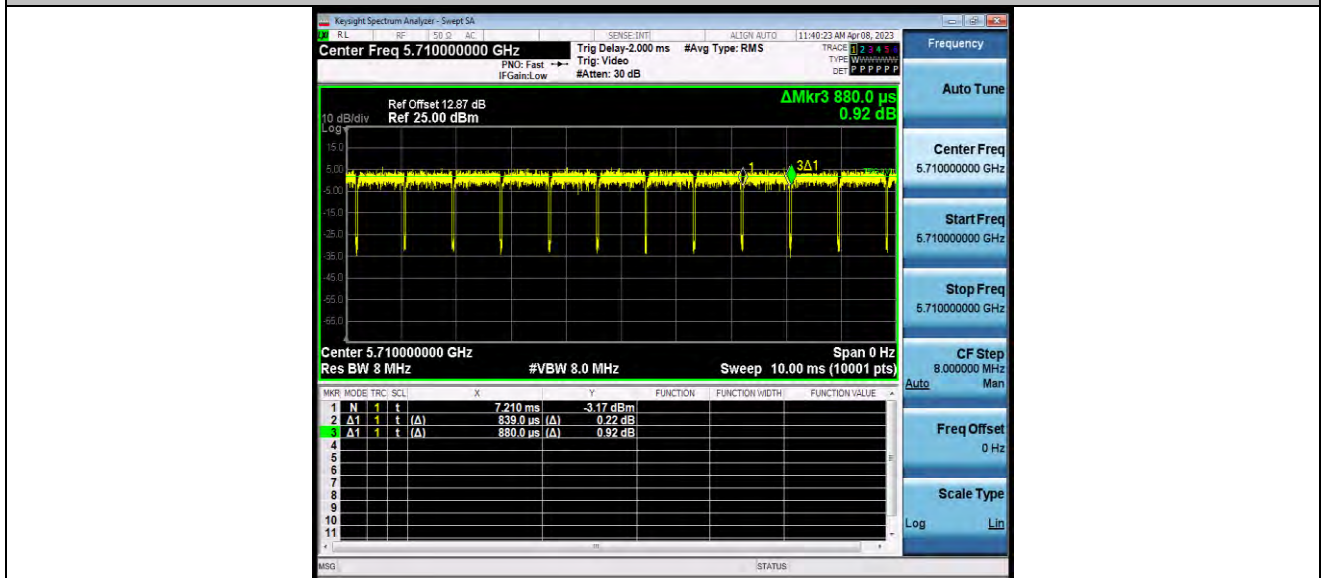


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11N40SISO\_Ant1\_5710



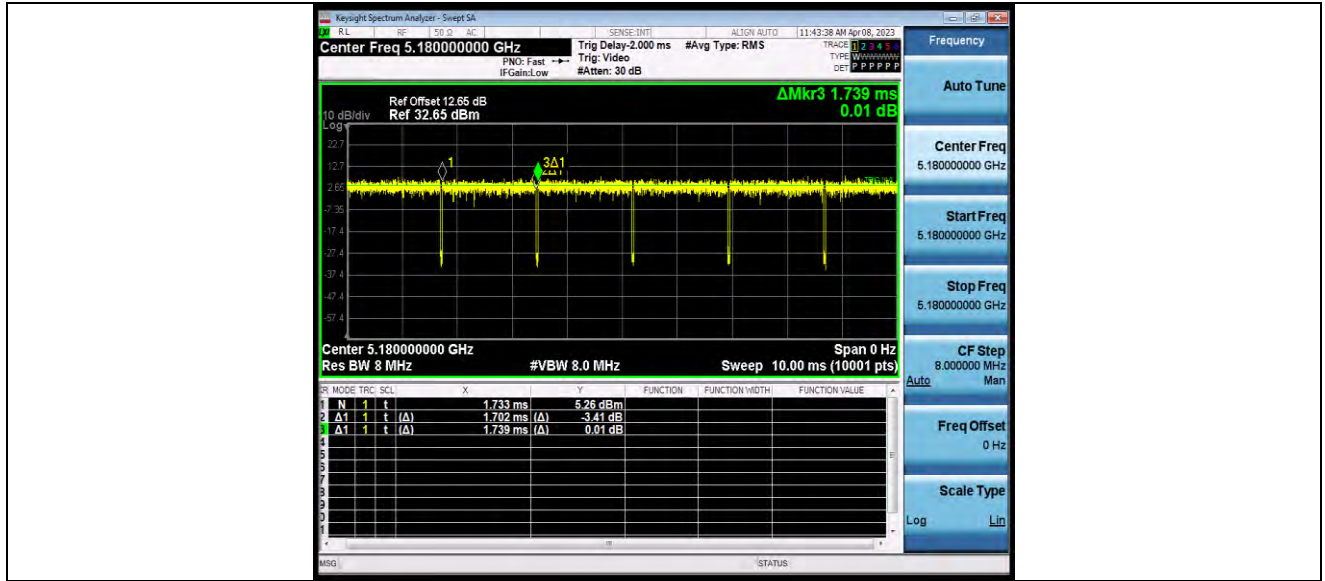
11N40SISO\_Ant1\_5755



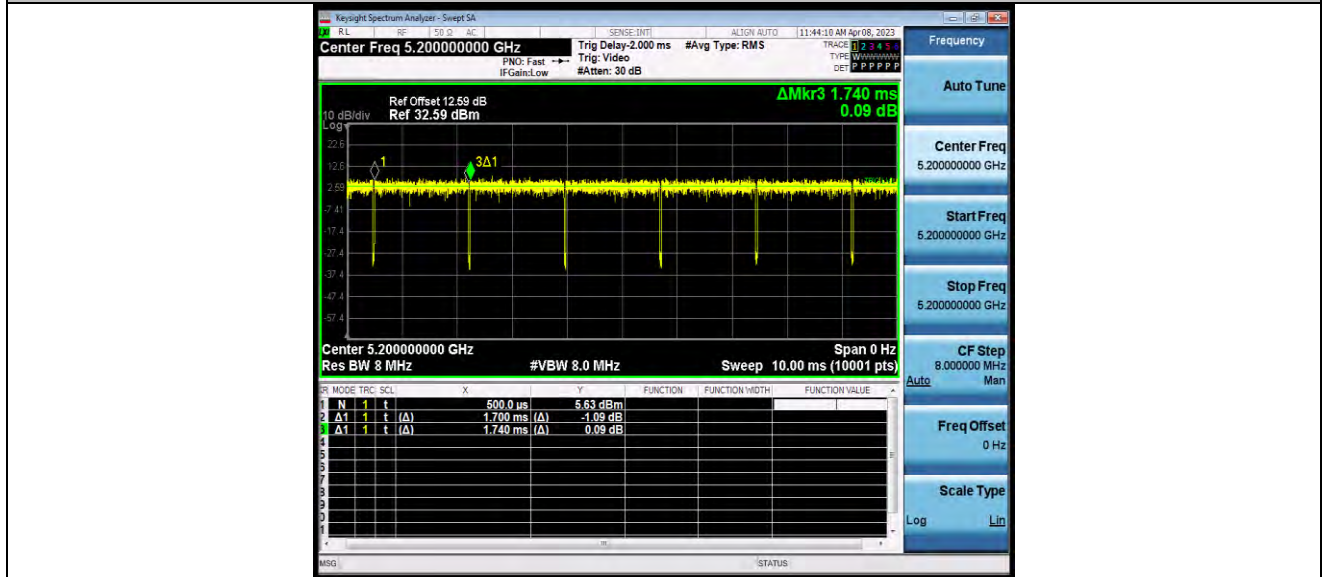


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5200

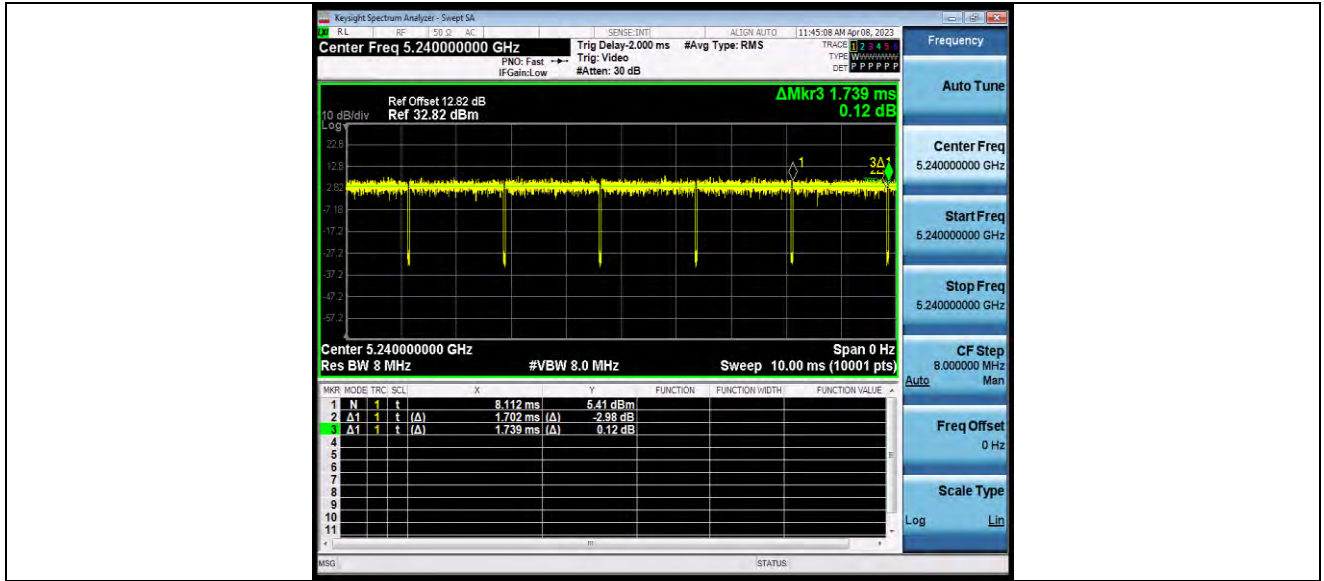


11AC20SISO\_Ant1\_5240

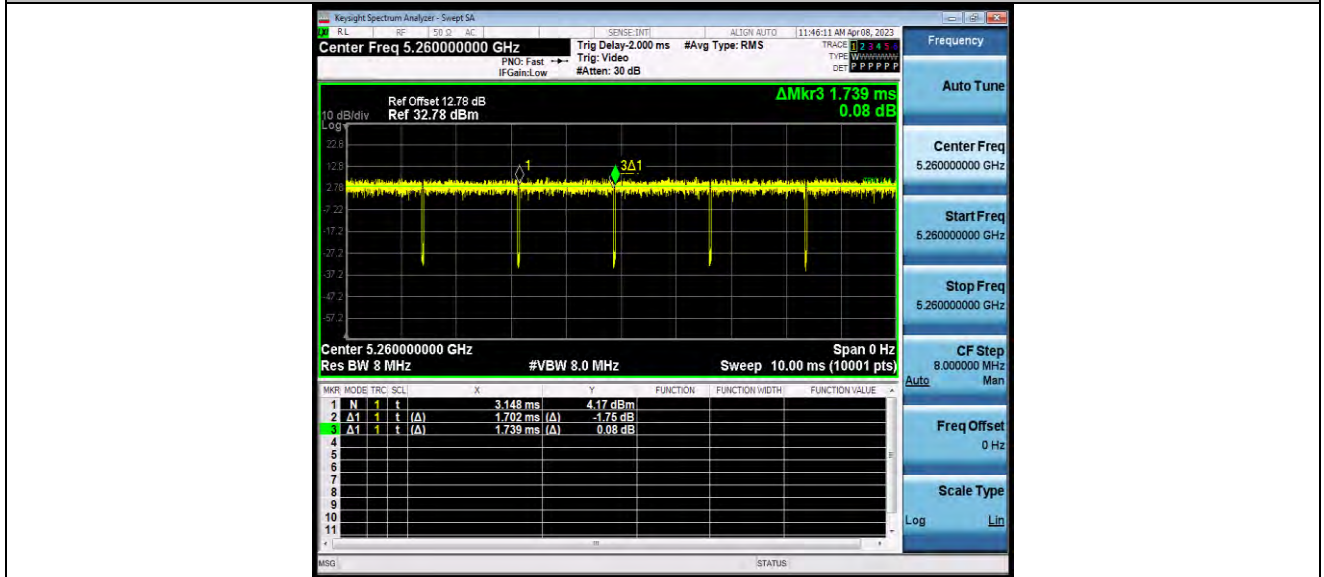


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20ISO\_Ant1\_5260

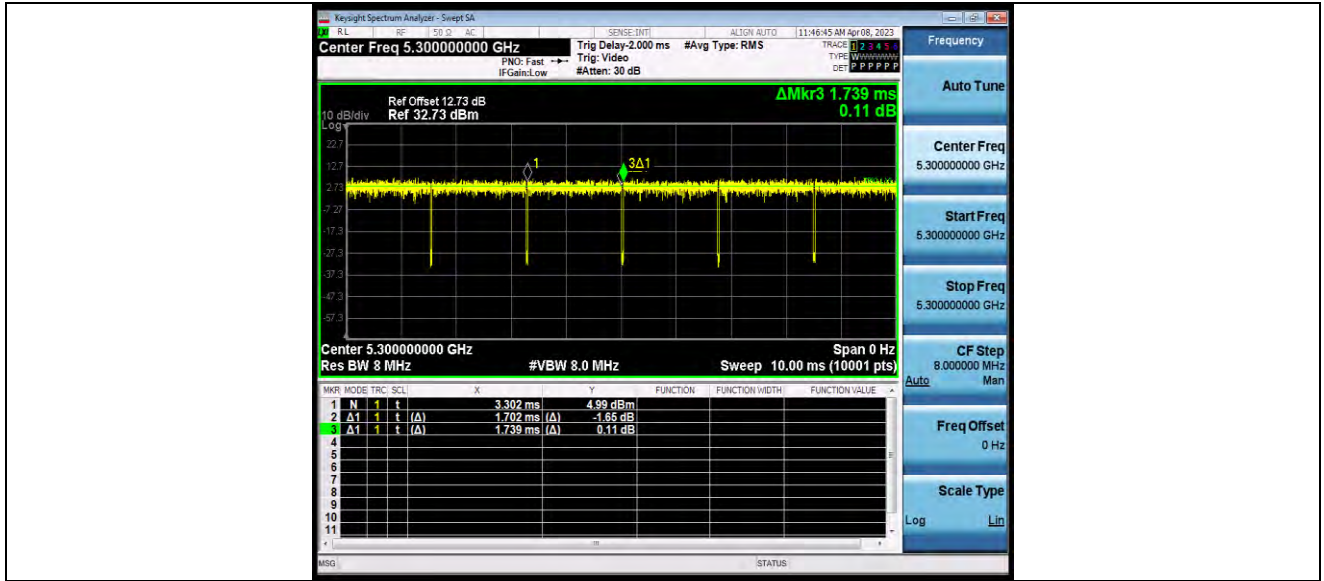


11AC20ISO\_Ant1\_5300

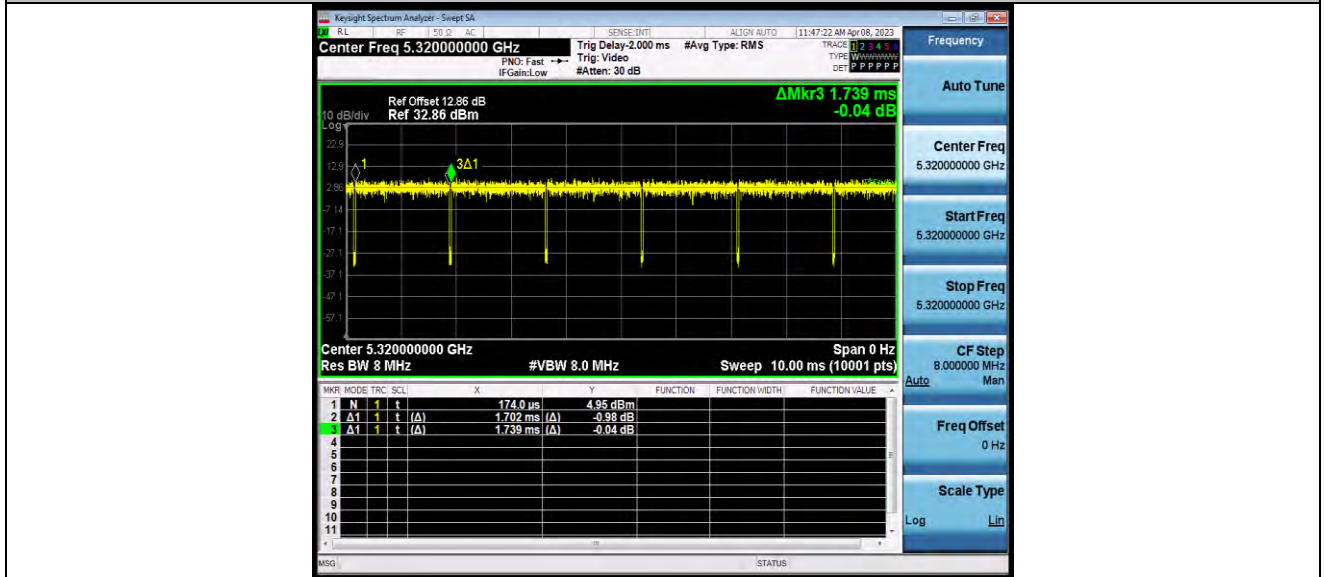


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5320



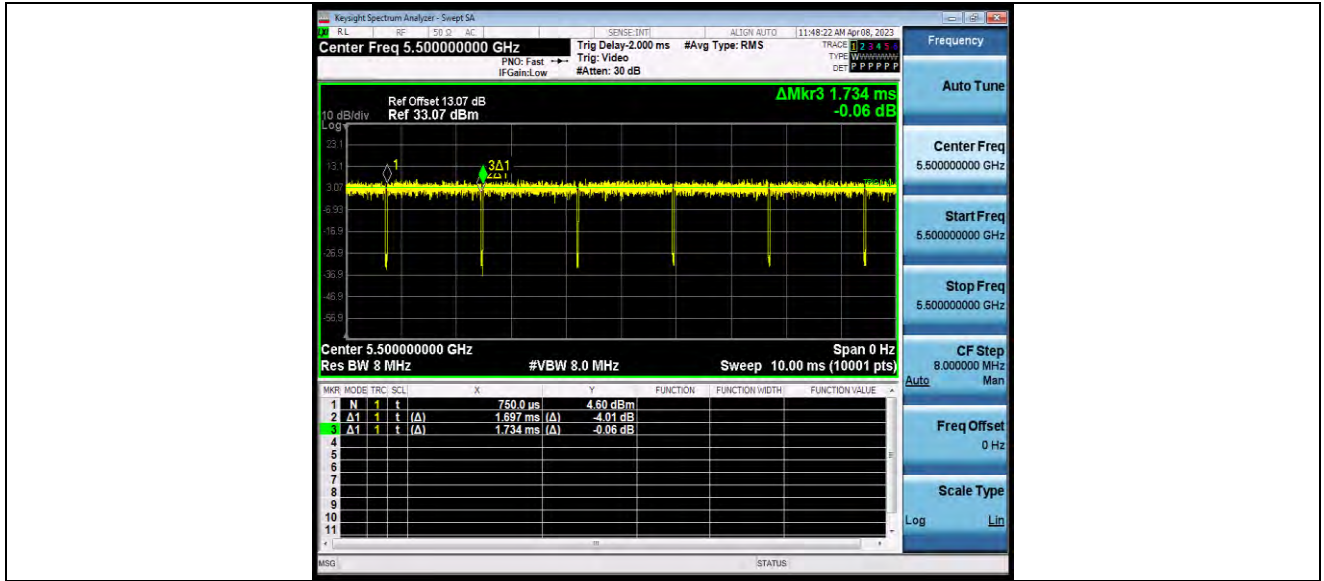
11AC20SISO\_Ant1\_5500



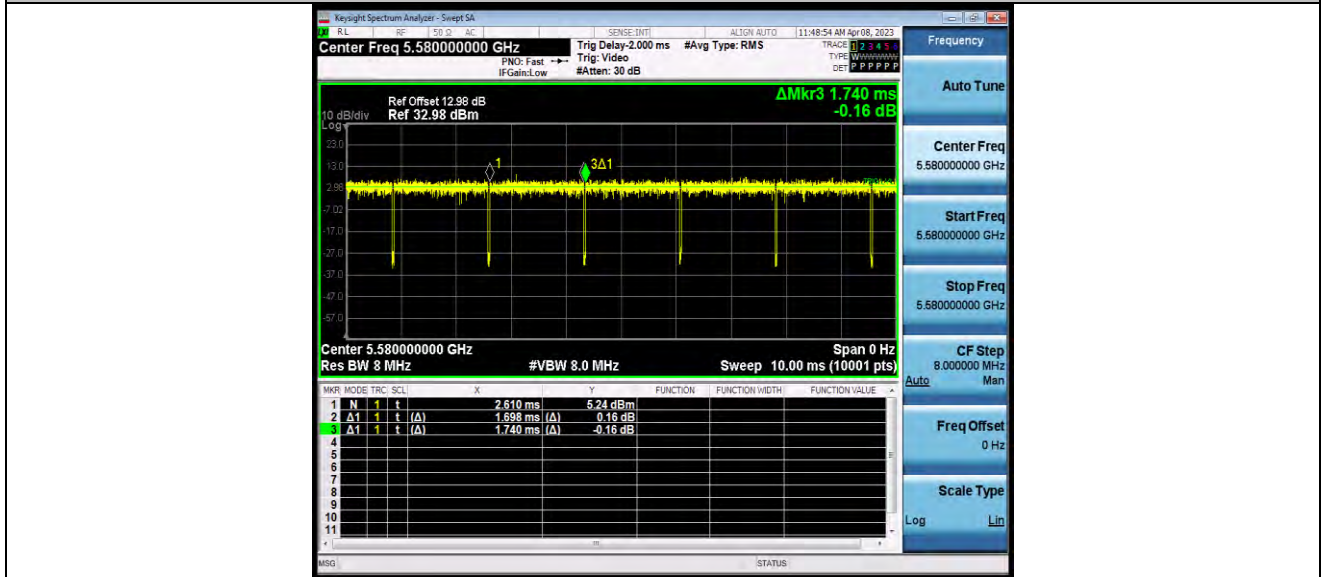


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5580

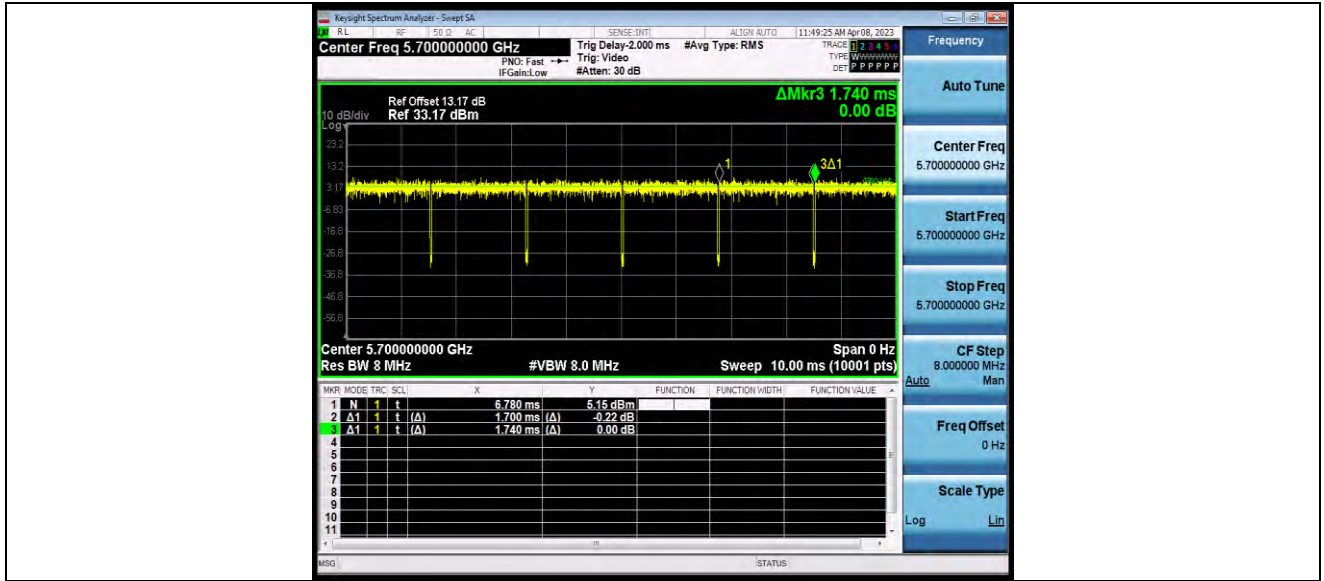


11AC20SISO\_Ant1\_5700

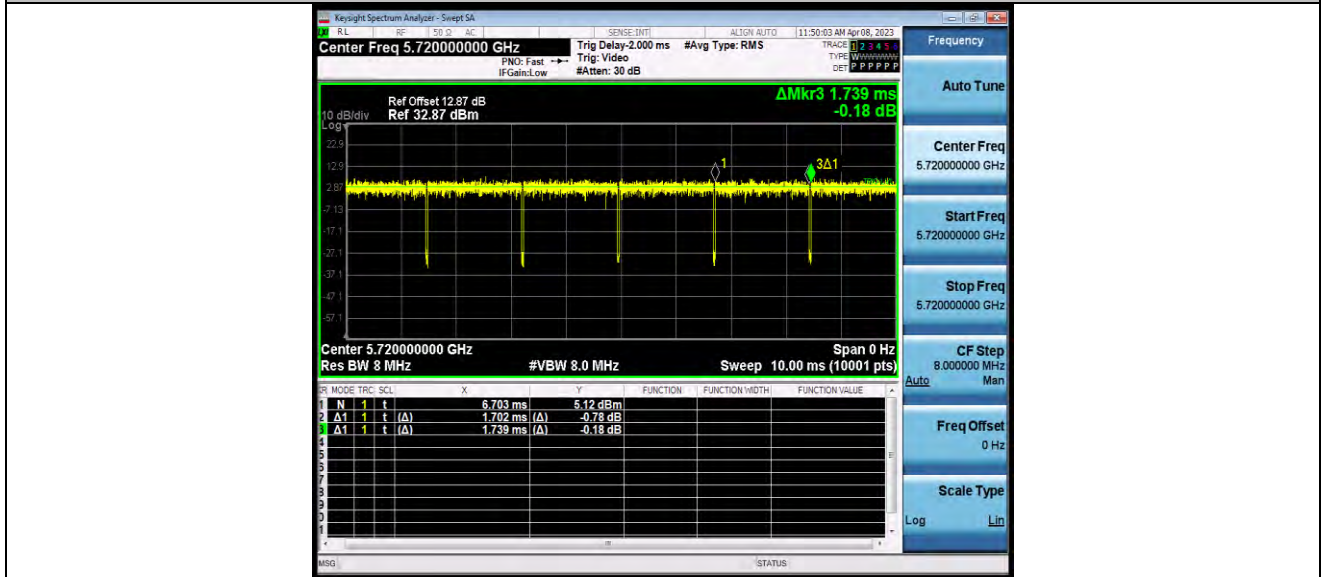


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5720

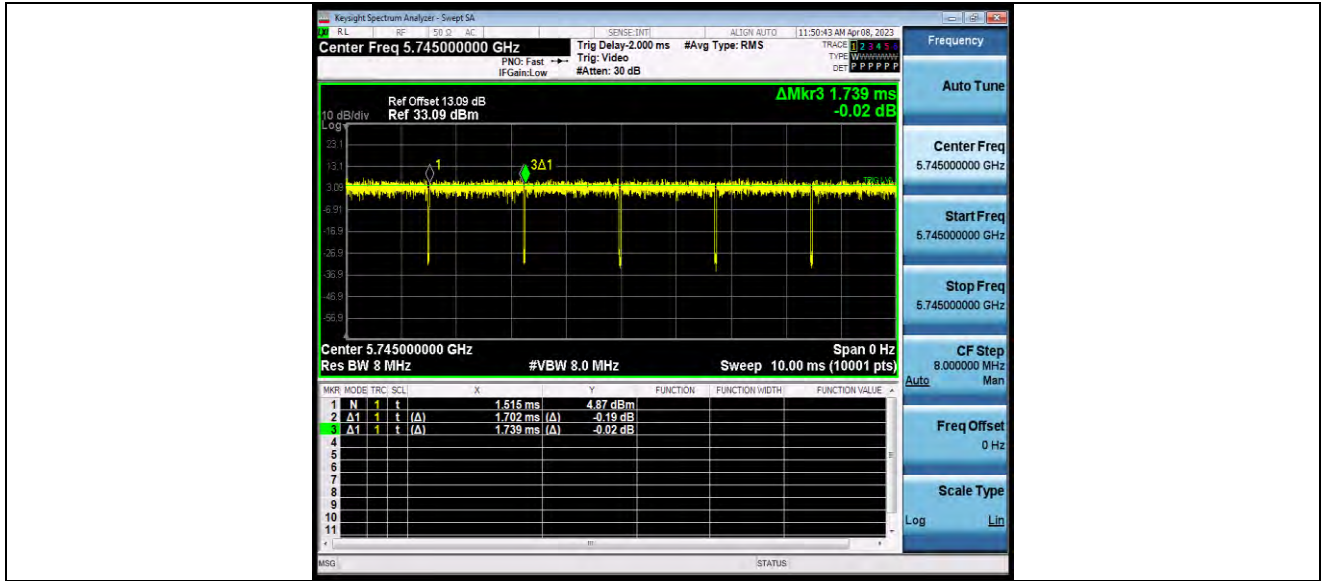


11AC20SISO\_Ant1\_5745

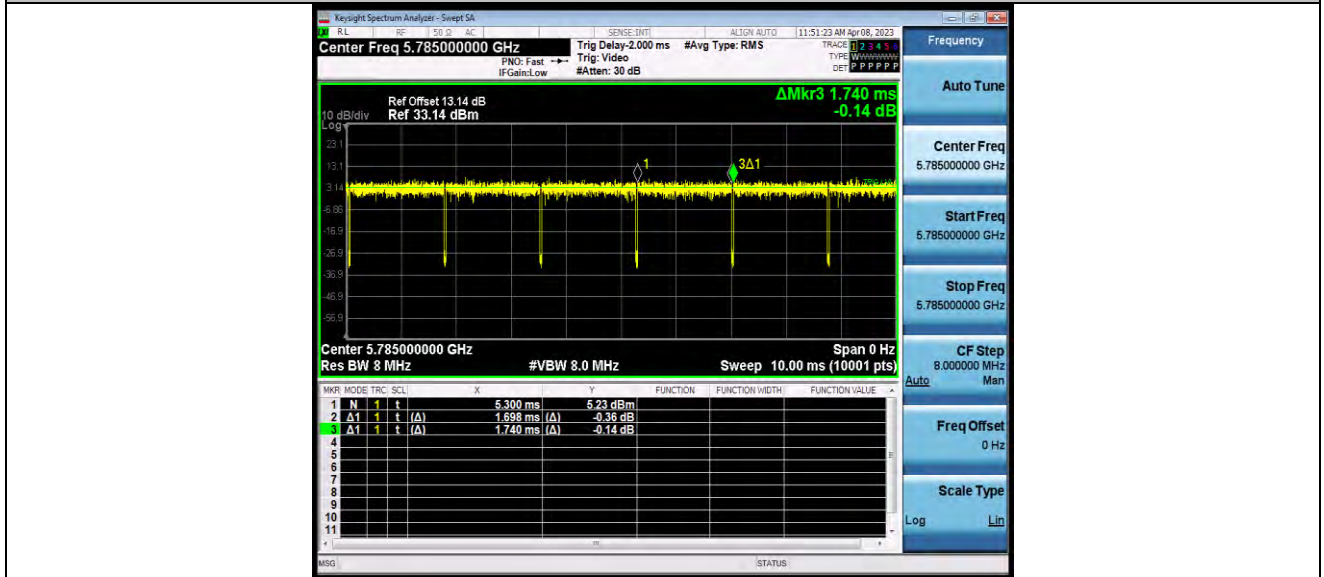


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC20SISO\_Ant1\_5785

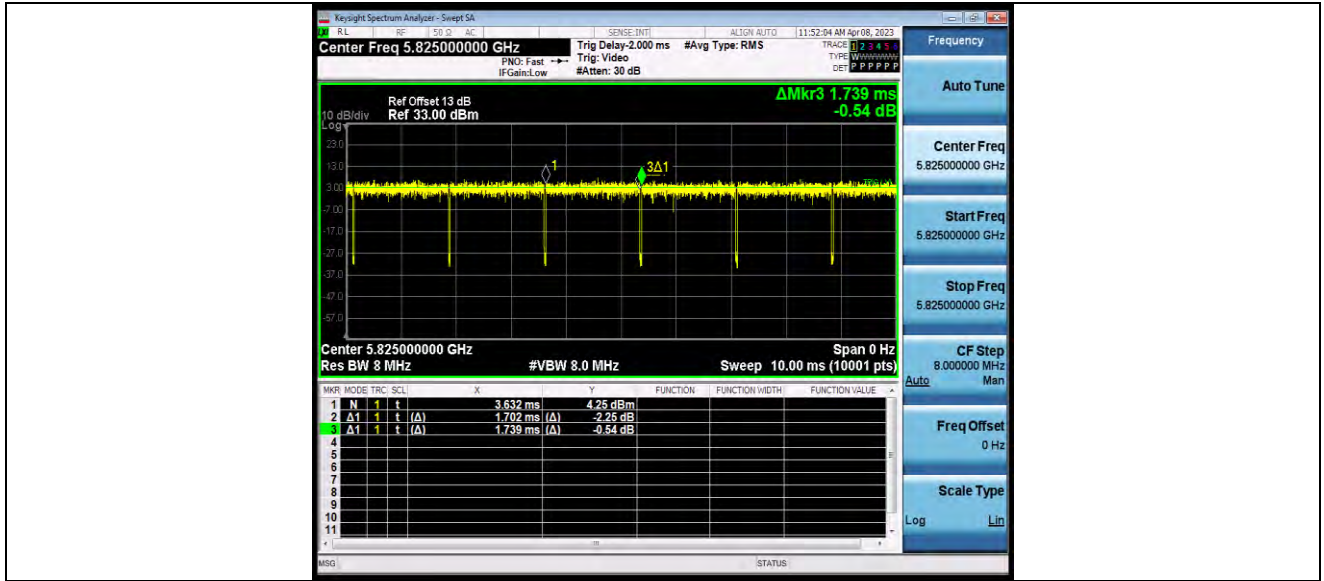


11AC20SISO\_Ant1\_5825

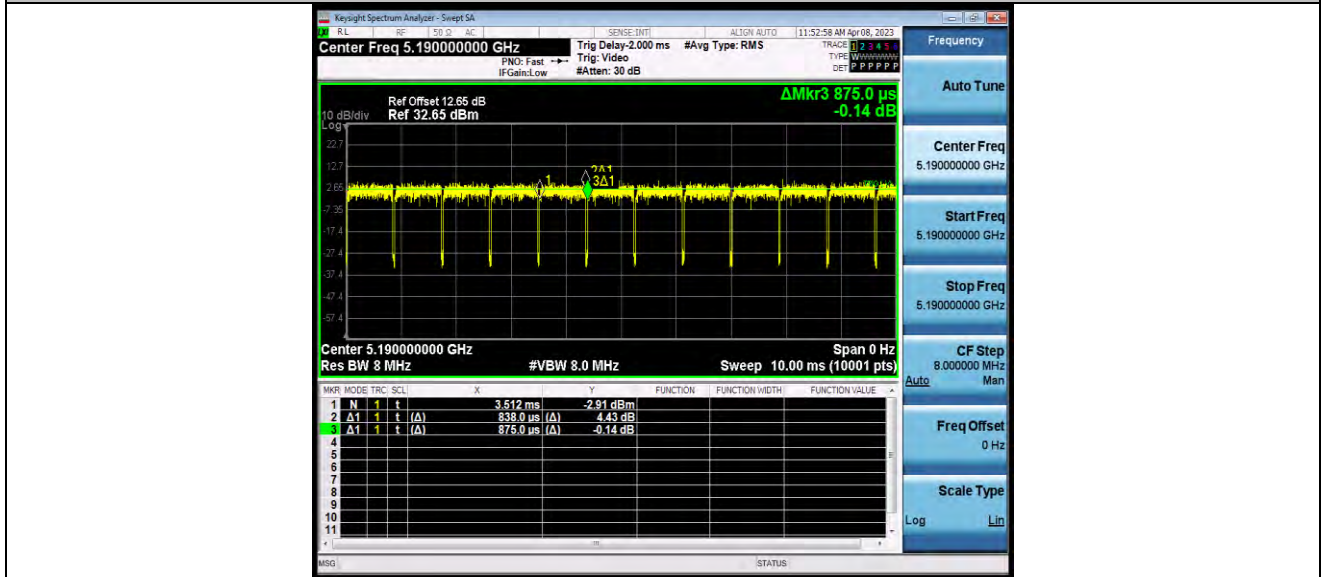


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5190

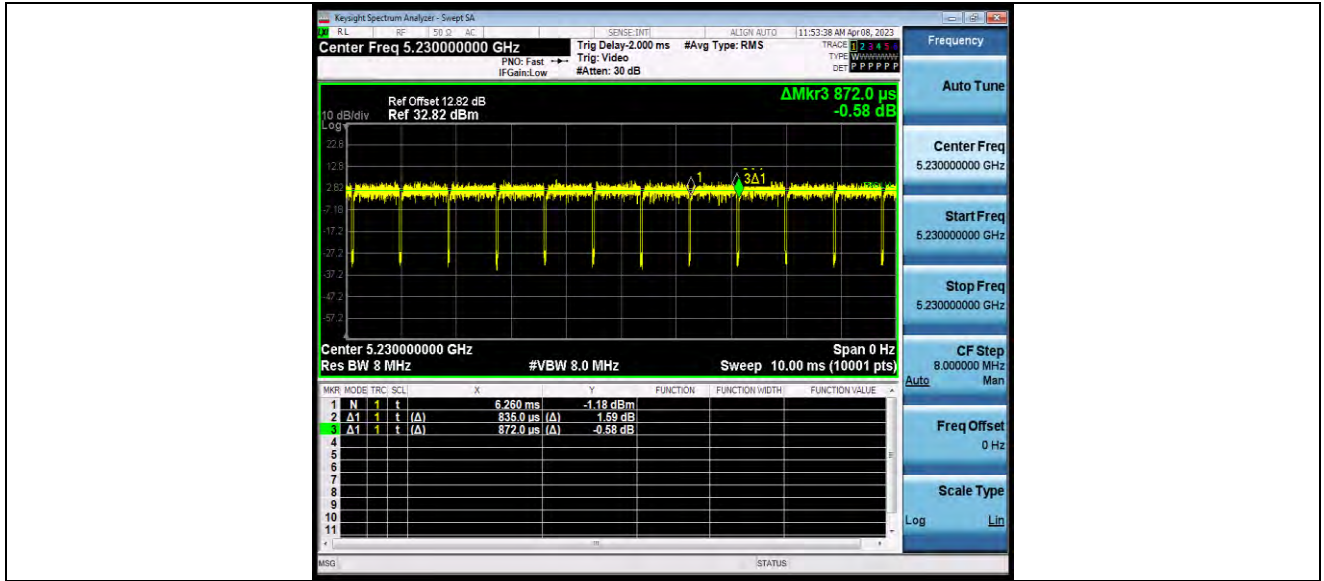


11AC40SISO\_Ant1\_5230

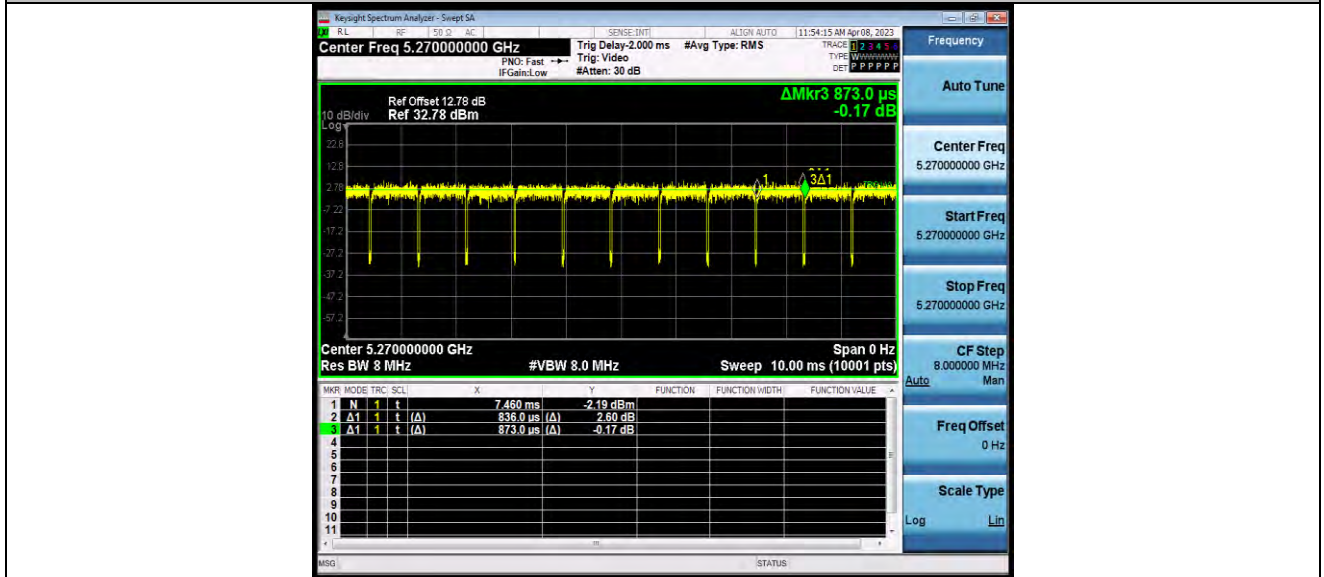


**BUREAU  
VERITAS**

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5270

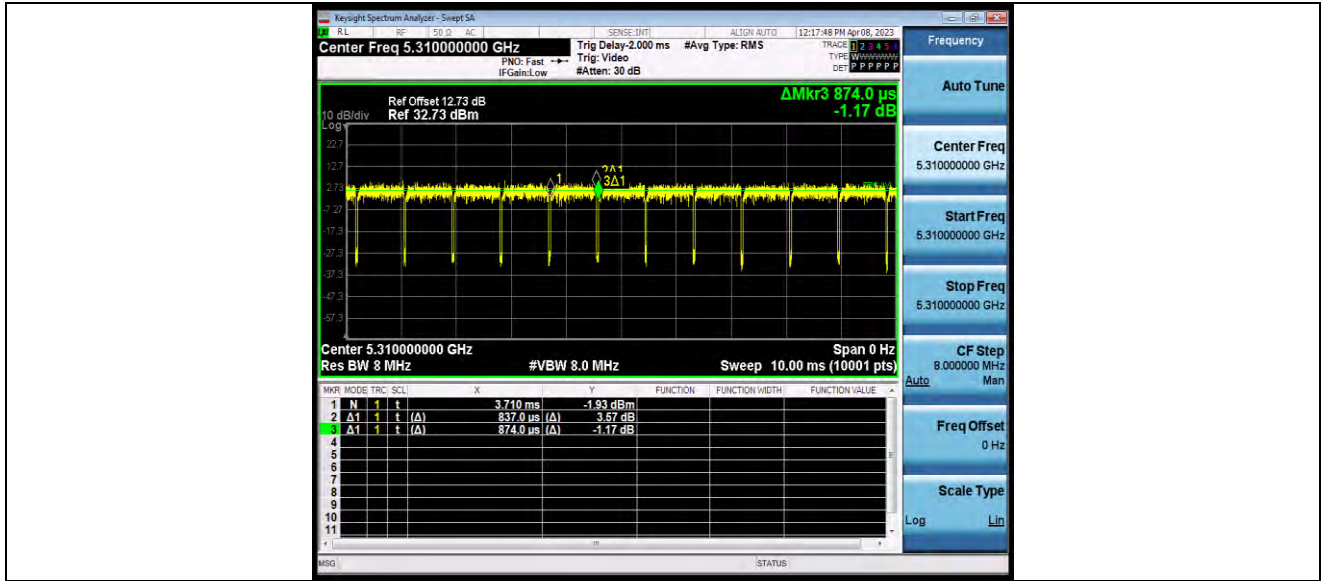


11AC40SISO\_Ant1\_5310

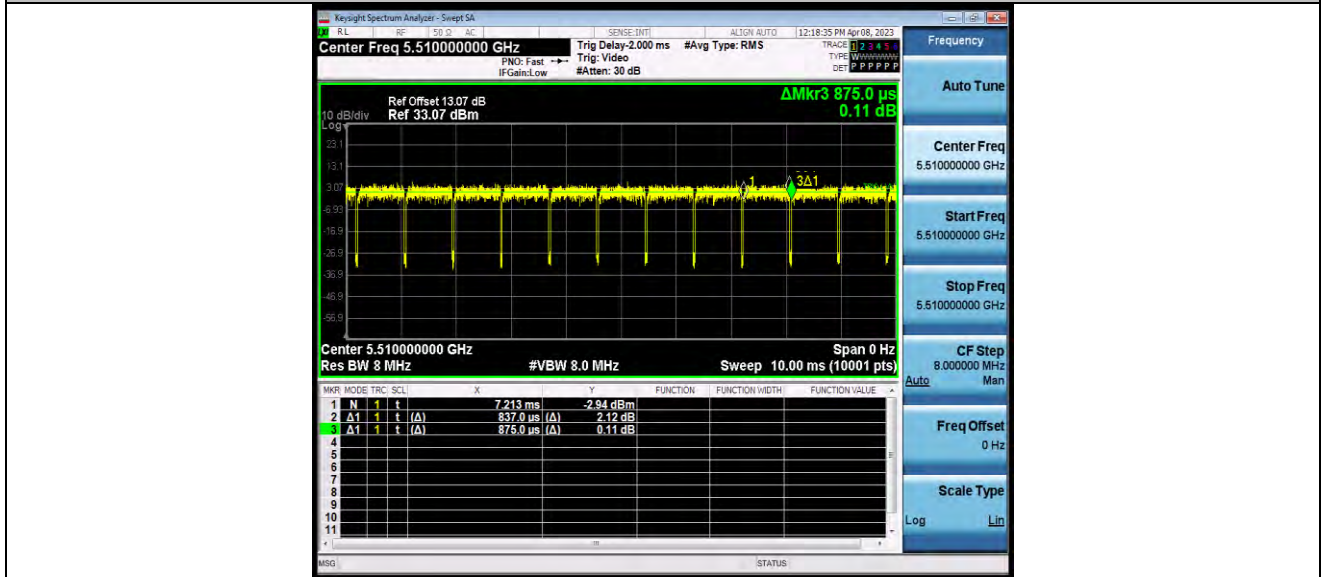


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5510

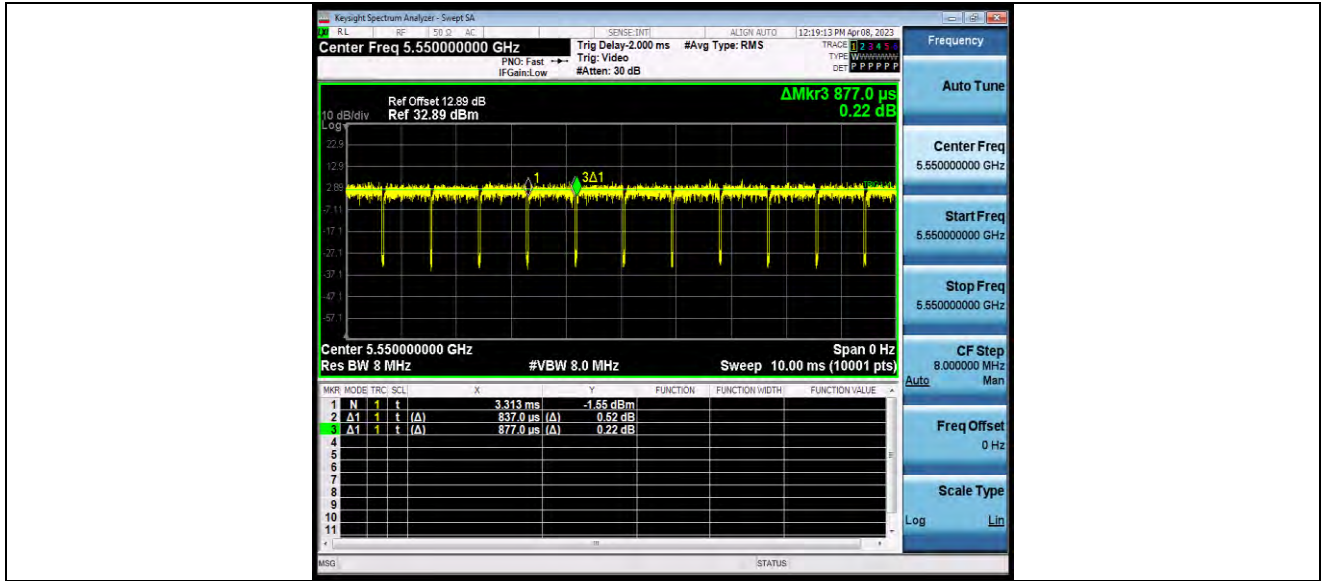


11AC40SISO\_Ant1\_5550

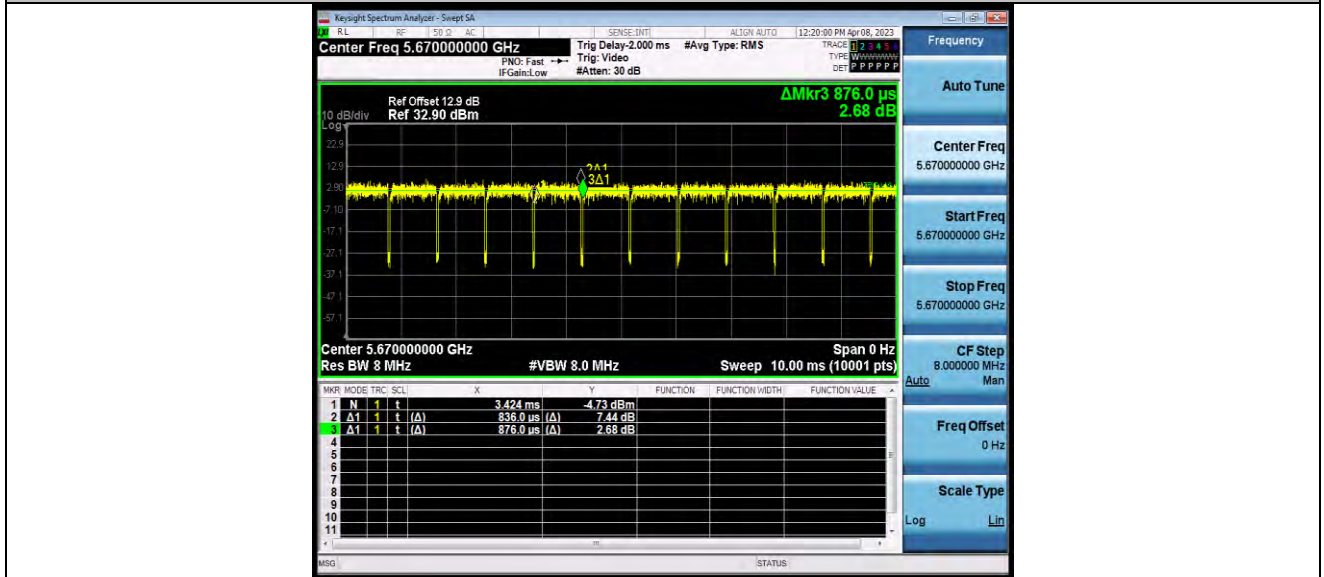


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5670

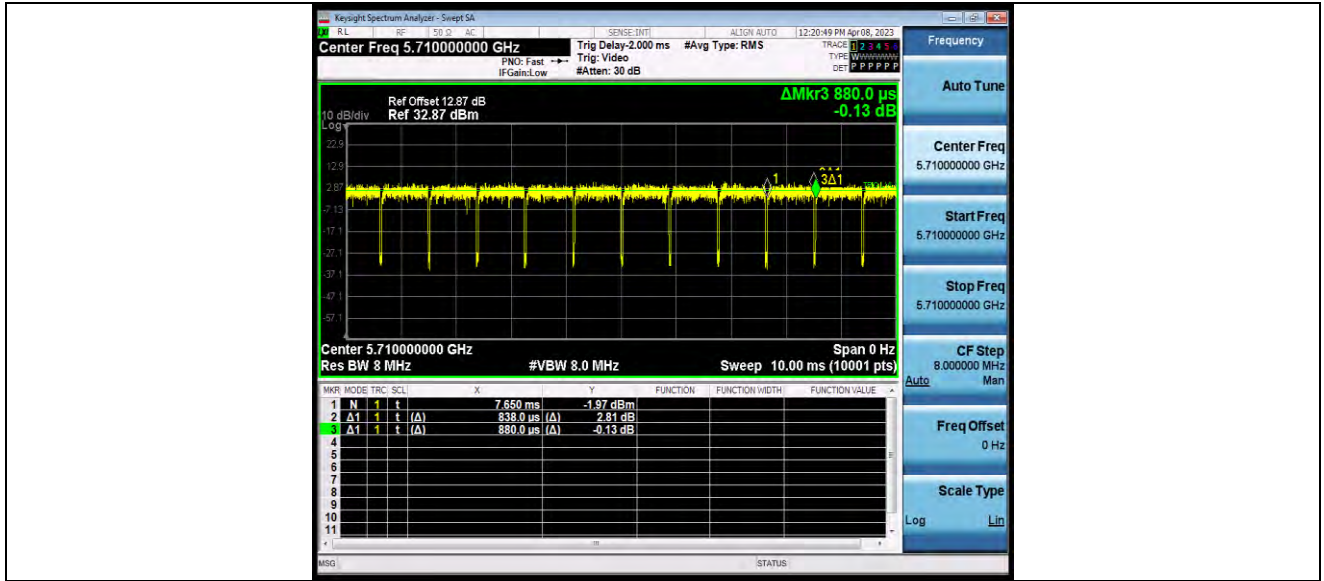


11AC40SISO\_Ant1\_5710

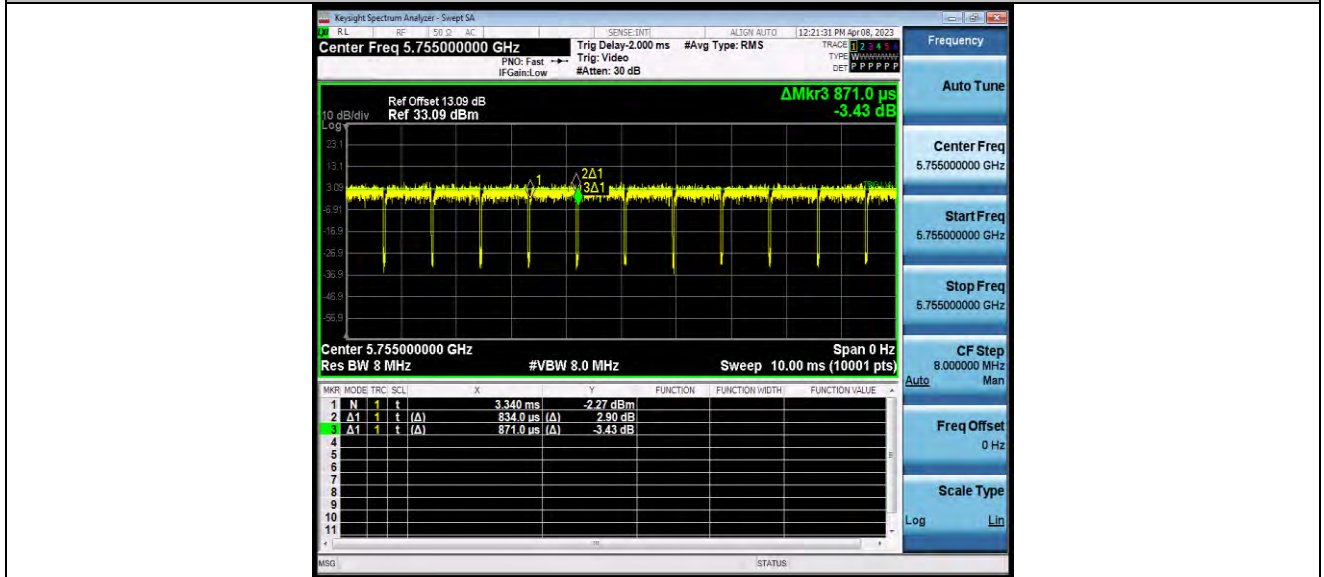


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC40SISO\_Ant1\_5755



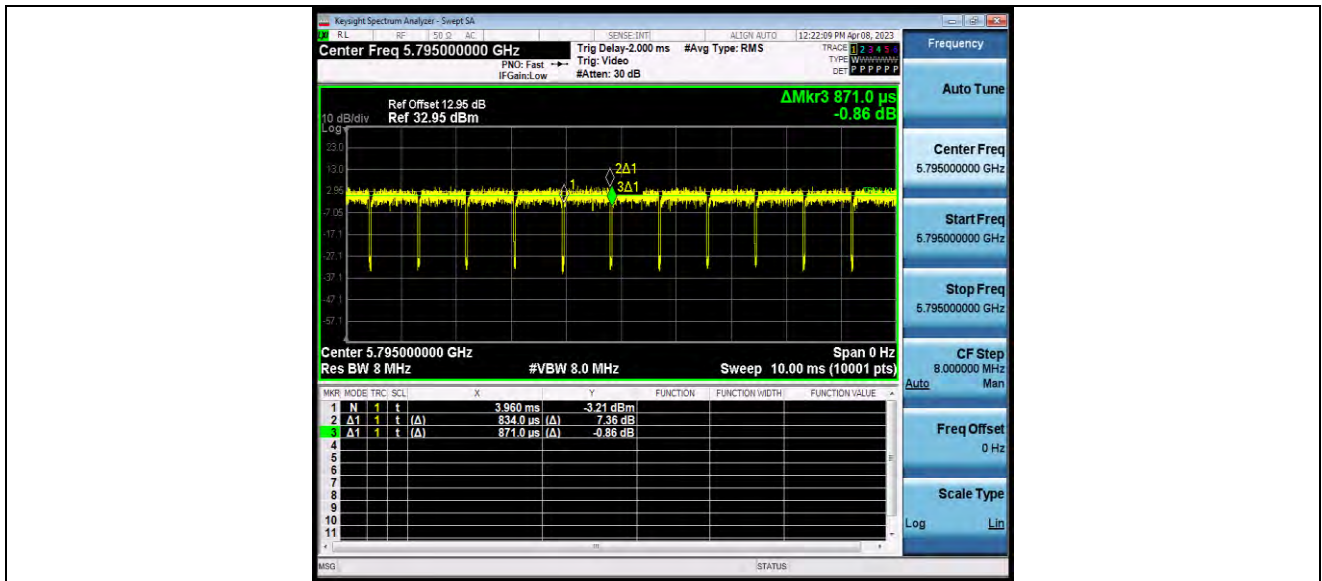
11AC40SISO\_Ant1\_5795



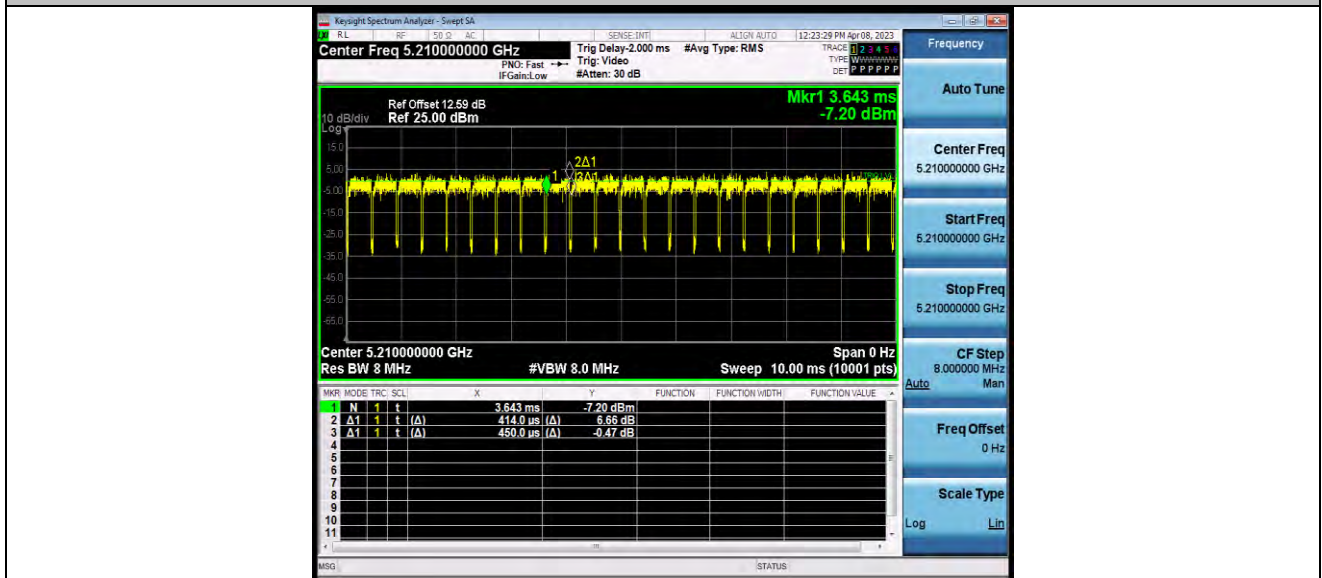


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC80SISO\_Ant1\_5210

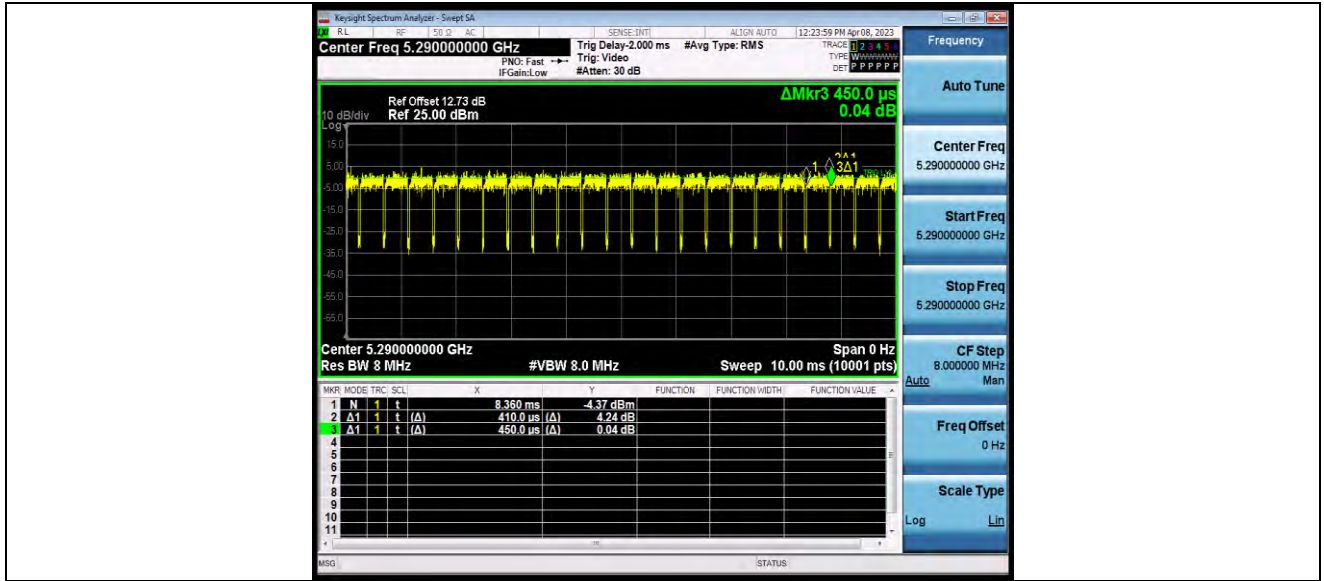


11AC80SISO\_Ant1\_5290

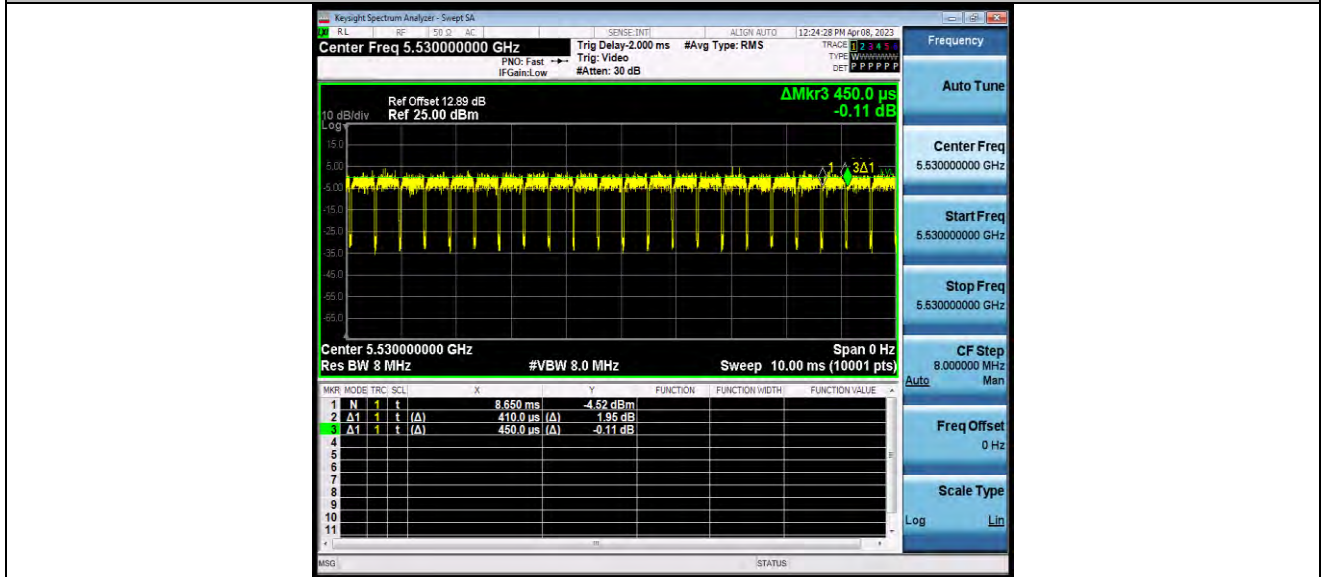


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC80SISO\_Ant1\_5530

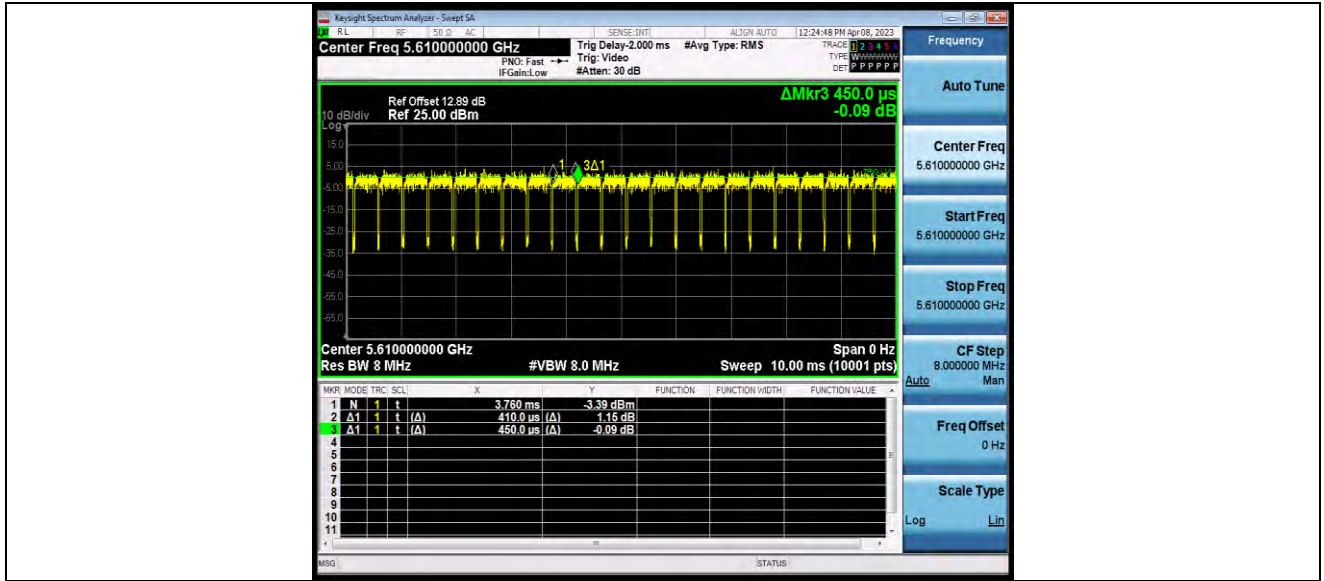


11AC80SISO\_Ant1\_5610

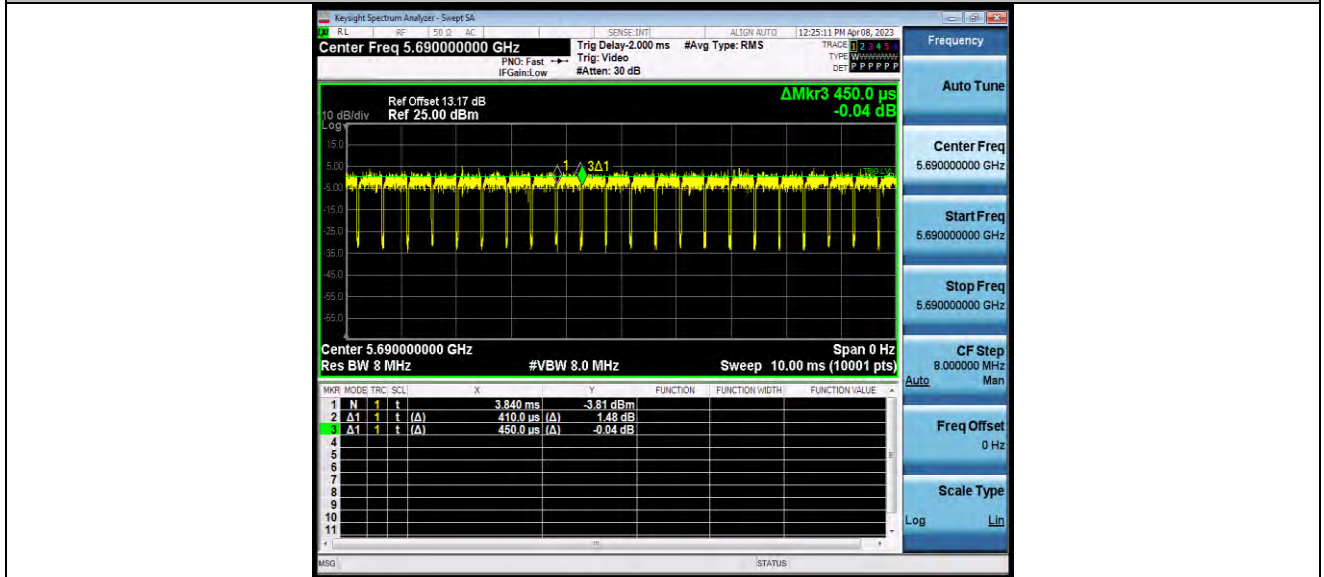


BUREAU VERITAS

Test Report No.: W7L-P23030025RF03



11AC80SISO\_Ant1\_5690

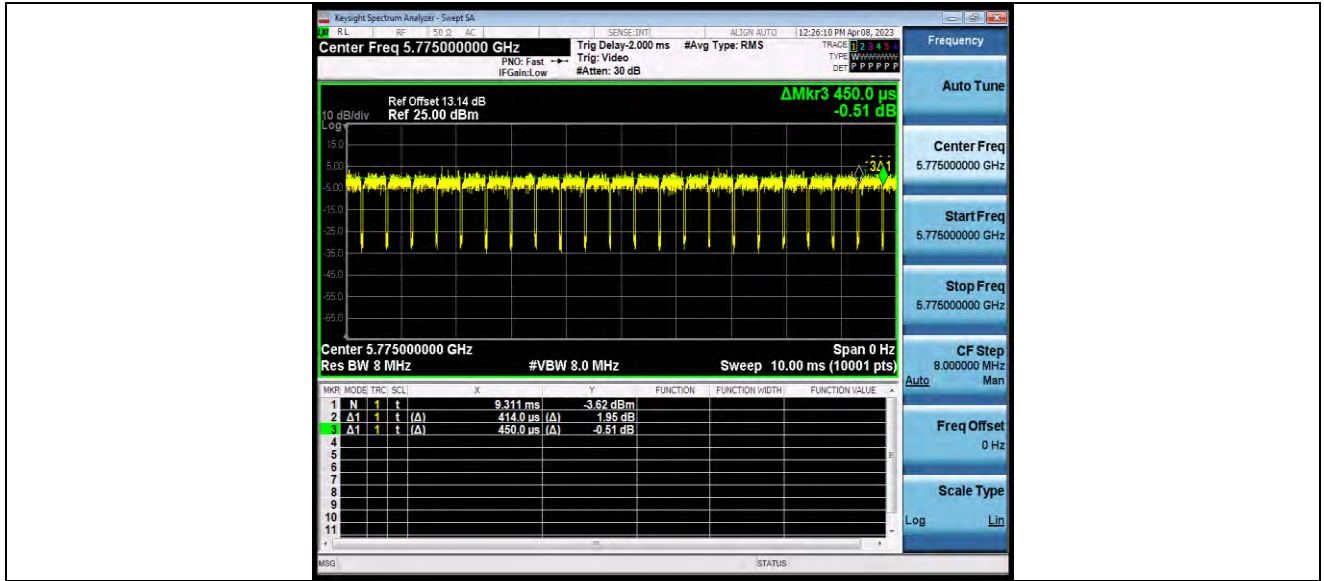


11AC80SISO\_Ant1\_5775



**BUREAU  
VERITAS**

Test Report No.: W7L-P23030025RF03



## MAXIMUM CONDUCTED OUTPUT POWER

### TEST RESULT

Mode	TX Type	Freq. (MHz)	Maximum Conducted Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	EIRP (dBm)	IC EIRP Limit (dBm)	Verdict	Power setting
802.11a	SISO	5180	13.27	≤24.00	/	13.27	≤22.30	Pass	13.5
		5200	13.21	≤24.00	/	13.21	≤22.31	Pass	13.5
		5240	12.97	≤24.00	/	12.97	≤22.30	Pass	14
		5260	12.87	≤24.00	≤23.30	12.87	≤29.29	Pass	14
		5300	12.89	≤24.00	≤23.29	12.89	≤29.30	Pass	14
		5320	12.99	≤24.00	≤23.30	12.99	≤29.30	Pass	14
		5500	13.08	≤24.00	≤24.00	13.08	≤29.30	Pass	14
		5580	13.24	≤24.00	≤24.00	13.24	≤29.30	Pass	14
		5700	13.11	≤24.00	≤24.00	13.11	≤29.31	Pass	14
		5720_ UNII-2 C	12.89	≤24.00	≤24.00	12.89	≤29.31	Pass	14
		5720_ UNII-3	12.89	≤30.00	≤30.00	12.89	/	Pass	14



		5745	12.90	≤30.00	≤30.00	12.90	/	Pass	14
		5785	12.82	≤30.00	≤30.00	12.82	/	Pass	14.5
		5825	12.91	≤30.00	≤30.00	12.91	/	Pass	14.5
802.11n (HT20)	SISO	5180	12.23	≤24.00	/	12.23	≤22.55	Pass	12.5
		5200	12.20	≤24.00	/	12.20	≤22.54	Pass	12.5
		5240	12.13	≤24.00	/	12.13	≤22.53	Pass	13
		5260	11.98	≤24.00	≤23.54	11.98	≤24.00	Pass	13
		5300	12.22	≤24.00	≤23.55	12.22	≤29.55	Pass	13.5
		5320	12.17	≤24.00	≤23.55	12.17	≤29.55	Pass	13
		5500	12.16	≤24.00	≤23.54	12.16	≤29.54	Pass	13
		5580	12.13	≤24.00	≤23.54	12.13	≤29.54	Pass	12.5
		5700	12.14	≤24.00	≤23.54	12.14	≤29.54	Pass	13
		5720_ UNII-2 C	12.03	≤24.00	≤23.55	12.03	≤29.55	Pass	13
		5720_ UNII-3	12.03	≤30.00	≤30.00	12.03	/	Pass	12.5
		5745	12.19	≤30.00	≤30.00	12.19	/	Pass	12.5
		5785	12.12	≤30.00	≤30.00	12.12	/	Pass	13
		5825	12.21	≤30.00	≤30.00	12.21	/	Pass	13
802.11n (HT40)	SISO	5190	12.32	≤24.00	/	12.32	≤23.01	Pass	11.5
		5230	12.22	≤24.00	/	12.22	≤23.01	Pass	11.5
		5270	12.19	≤24.00	≤24.00	12.19	≤30.00	Pass	12
		5310	12.28	≤24.00	≤24.00	12.28	≤30.00	Pass	12.5
		5510	12.12	≤24.00	≤24.00	12.12	≤30.00	Pass	12
		5550	12.26	≤24.00	≤24.00	12.26	≤30.00	Pass	12
		5670	12.28	≤24.00	≤24.00	12.28	≤30.00	Pass	12
		5710_ UNII-2 C	12.09	≤24.00	≤24.00	12.09	≤30.00	Pass	12.5
		5710_ UNII-3	12.09	≤30.00	≤30.00	12.09	/	Pass	12.5
		5755	12.08	≤30.00	≤30.00	12.08	/	Pass	12.5
5795	12.15	≤30.00	≤30.00	12.15	/	Pass	13		
802.11a	SISO	5180	10.19	≤24.00	/	10.19	≤22.53	Pass	10



c (VHT20)		5200	10.20	≤24.00	/	10.20	≤22.52	Pass	10
		5240	10.12	≤24.00	/	10.12	≤22.53	Pass	10.5
		5260	10.09	≤24.00	≤23.52	10.09	≤24.00	Pass	10.5
		5300	10.27	≤24.00	≤23.53	10.27	≤29.53	Pass	11
		5320	10.26	≤24.00	≤23.53	10.26	≤29.53	Pass	11
		5500	10.24	≤24.00	≤23.53	10.24	≤29.53	Pass	11
		5580	10.17	≤24.00	≤23.52	10.17	≤29.52	Pass	10.5
		5700	10.22	≤24.00	≤23.52	10.22	≤29.52	Pass	11
		5720_ UNII-2 C	10.08	≤24.00	≤23.51	10.08	≤29.51	Pass	11
		5720_ UNII-3	10.08	≤30.00	≤30.00	10.08	/	Pass	11
		5745	9.96	≤30.00	≤30.00	9.96	/	Pass	11.5
		5785	10.09	≤30.00	≤30.00	10.09	/	Pass	11.5
		5825	9.89	≤30.00	≤30.00	9.89	/	Pass	11
802.11a c (VHT40)	SISO	5190	10.09	≤24.00	/	10.09	≤23.01	Pass	9.5
		5230	9.87	≤24.00	/	9.87	≤23.01	Pass	9.5
		5270	10.20	≤24.00	≤24.00	10.20	≤30.00	Pass	9
		5310	10.16	≤24.00	≤24.00	10.16	≤30.00	Pass	10
		5510	10.22	≤24.00	≤24.00	10.22	≤30.00	Pass	10
		5550	10.30	≤24.00	≤24.00	10.30	≤30.00	Pass	10
		5670	10.29	≤24.00	≤24.00	10.29	≤30.00	Pass	10
		5710_ UNII-2 C	9.97	≤24.00	≤24.00	9.97	≤30.00	Pass	10
		5710_ UNII-3	9.97	≤30.00	≤30.00	9.97	/	Pass	10
		5755	10.33	≤30.00	≤30.00	10.33	/	Pass	10.5
5795	9.96	≤30.00	≤30.00	9.96	/	Pass	10.5		
802.11a c (VHT80)	SISO	5210	10.58	≤24.00	/	10.58	≤23.01	Pass	10
		5290	10.18	≤24.00	≤24.00	10.18	≤30.00	Pass	10.5
		5530	10.20	≤24.00	≤24.00	10.20	≤30.00	Pass	10.5
		5610	10.13	≤24.00	≤24.00	10.13	≤30.00	Pass	10



802.11a c (VHT80)	SISO	5690_ UNII-2 C	9.92	≤24.00	≤24.00	9.92	≤30.00	Pass	10
		5690_ UNII-3	10.07	≤30.00	≤30.00	10.07	/	Pass	10
		5775	10.23	≤30.00	≤30.00	10.23	/	Pass	11

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



### MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.96	≤11.00	PASS
		5200	3.39	≤11.00	PASS
		5240	3.1	≤11.00	PASS
		5260	2.9	≤11.00	PASS
		5300	2.54	≤11.00	PASS
		5320	2.47	≤11.00	PASS
		5500	2.51	≤11.00	PASS
		5580	2.92	≤11.00	PASS
		5700	2.93	≤11.00	PASS
		5720_UNII-2C	2.83	≤11.00	PASS
		5720_UNII-3	-1.75	≤30.00	PASS
		5745	0.2	≤30.00	PASS
		5785	-0.54	≤30.00	PASS
		5825	-0.84	≤30.00	PASS
11N20SISO	Ant1	5180	1.52	≤11.00	PASS
		5200	1.25	≤11.00	PASS
		5240	1.61	≤11.00	PASS
		5260	1.08	≤11.00	PASS
		5300	1.46	≤11.00	PASS
		5320	1.34	≤11.00	PASS
		5500	1.2	≤11.00	PASS
		5580	2.05	≤11.00	PASS
		5700	2.3	≤11.00	PASS
		5720_UNII-2C	1.74	≤11.00	PASS
		5720_UNII-3	-2.71	≤30.00	PASS
		5745	-0.54	≤30.00	PASS
		5785	-0.61	≤30.00	PASS
		5825	-0.92	≤30.00	PASS
11N40SISO	Ant1	5190	-1.21	≤11.00	PASS
		5230	-0.71	≤11.00	PASS





11N40SISO	Ant1	5270	-1.27	≤11.00	PASS
		5310	-1.2	≤11.00	PASS
		5510	-1.46	≤11.00	PASS
		5550	-1.16	≤11.00	PASS
		5670	-0.85	≤11.00	PASS
		5710_UNII-2C	-1.19	≤11.00	PASS
		5710_UNII-3	-6.2	≤30.00	PASS
		5755	-3.9	≤30.00	PASS
		5795	-4.13	≤30.00	PASS
11AC20SISO	Ant1	5180	-0.08	≤11.00	PASS
		5200	-0.25	≤11.00	PASS
		5240	0.27	≤11.00	PASS
		5260	-0.2	≤11.00	PASS
		5300	0.11	≤11.00	PASS
		5320	0.08	≤11.00	PASS
		5500	0.01	≤11.00	PASS
		5580	-0.02	≤11.00	PASS
		5700	0.28	≤11.00	PASS
		5720_UNII-2C	-0.06	≤11.00	PASS
		5720_UNII-3	-4.2	≤30.00	PASS
		5745	-2.79	≤30.00	PASS
		5785	-2.95	≤30.00	PASS
		5825	-3.19	≤30.00	PASS
11AC40SISO	Ant1	5190	-6.78	≤11.00	PASS
		5230	-7.37	≤11.00	PASS
		5270	-7.51	≤11.00	PASS
		5310	-3.89	≤11.00	PASS
		5510	-4.08	≤11.00	PASS
		5550	-3.46	≤11.00	PASS
		5670	-3.33	≤11.00	PASS
		5710_UNII-2C	-3.75	≤11.00	PASS
		5710_UNII-3	-9.06	≤30.00	PASS
		5755	-6.57	≤30.00	PASS
		5795	-6.83	≤30.00	PASS



11AC80SISO	Ant1	5210	-6.36	≤11.00	PASS
		5290	-6.61	≤11.00	PASS
		5530	-6.36	≤11.00	PASS
		5610	-6.15	≤11.00	PASS
		5690_UNII-2C	-6.03	≤11.00	PASS
		5690_UNII-3	-11.47	≤30.00	PASS
		5775	-8.88	≤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.