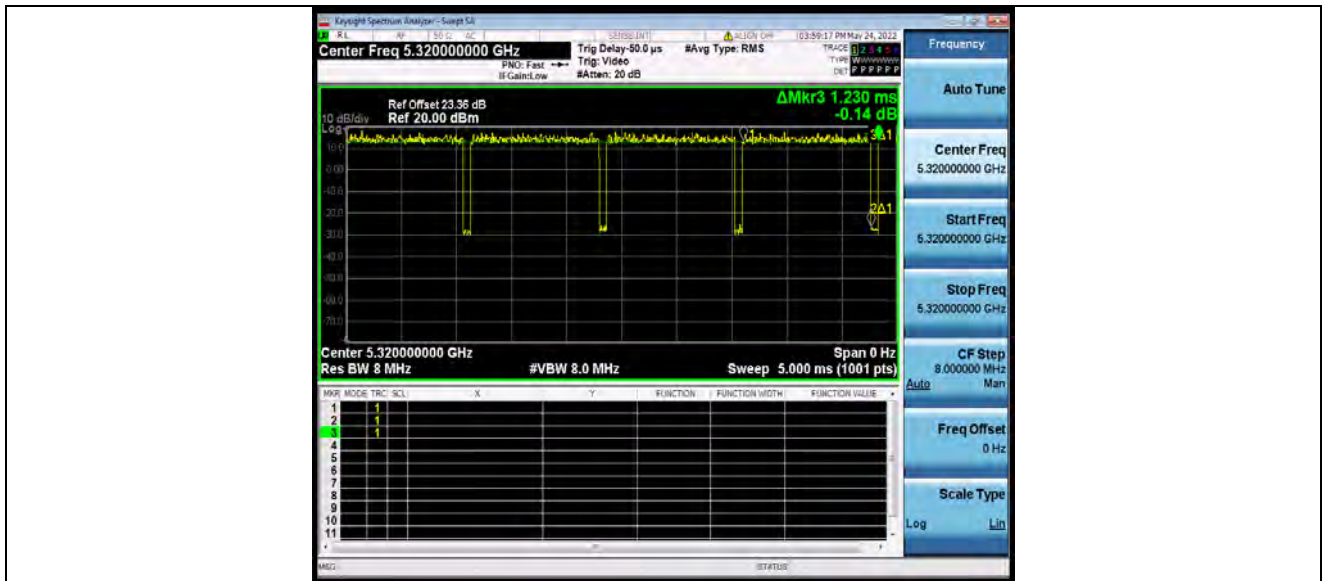


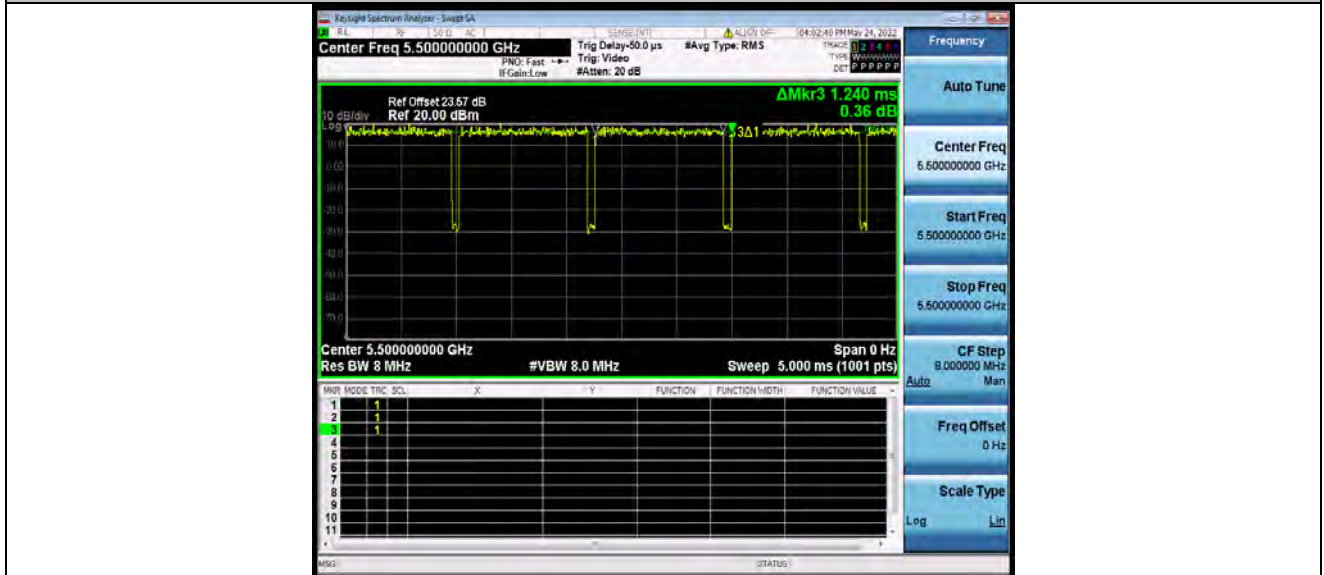


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11AC20SISO\_Ant1\_5500

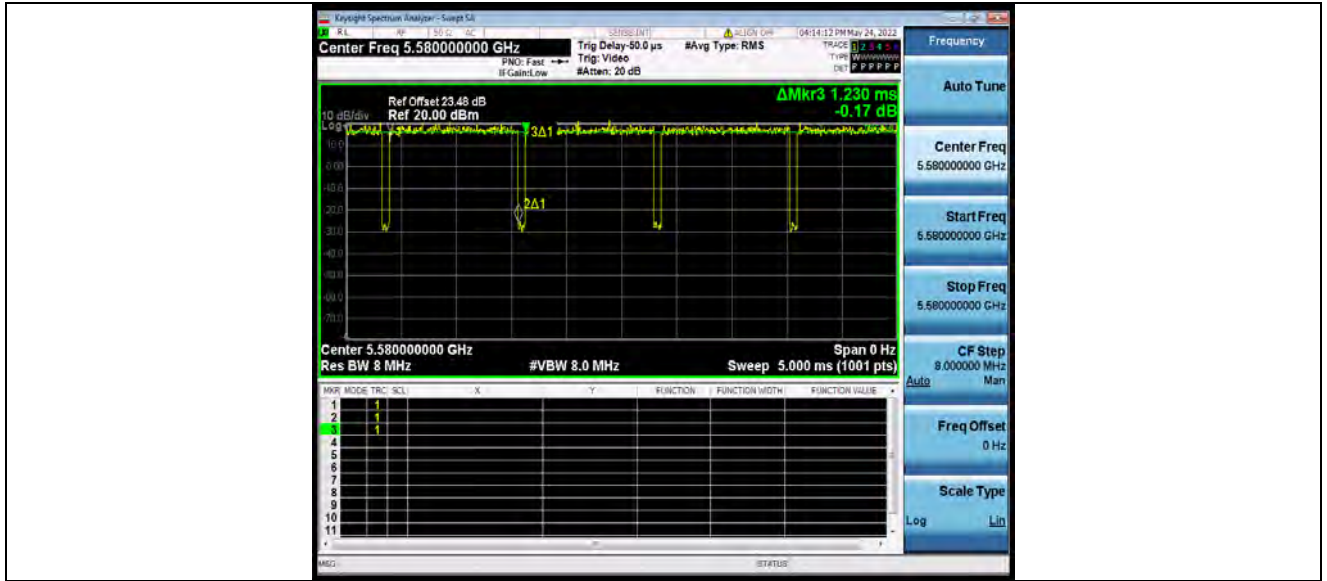


11AC20SISO\_Ant1\_5580

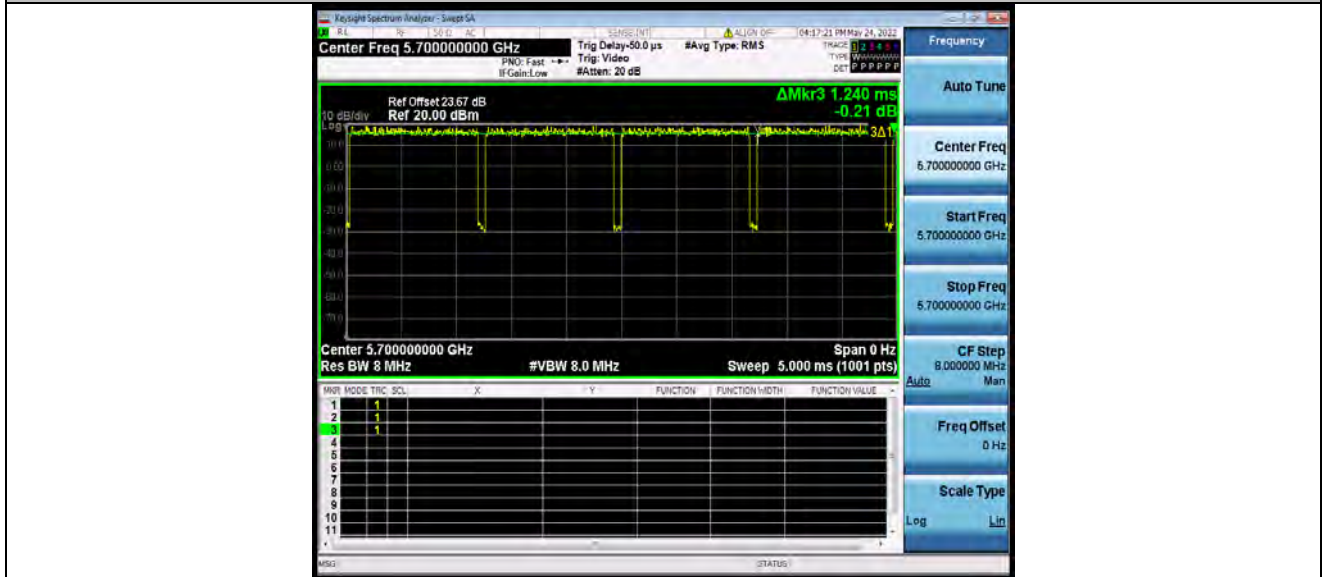


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5700

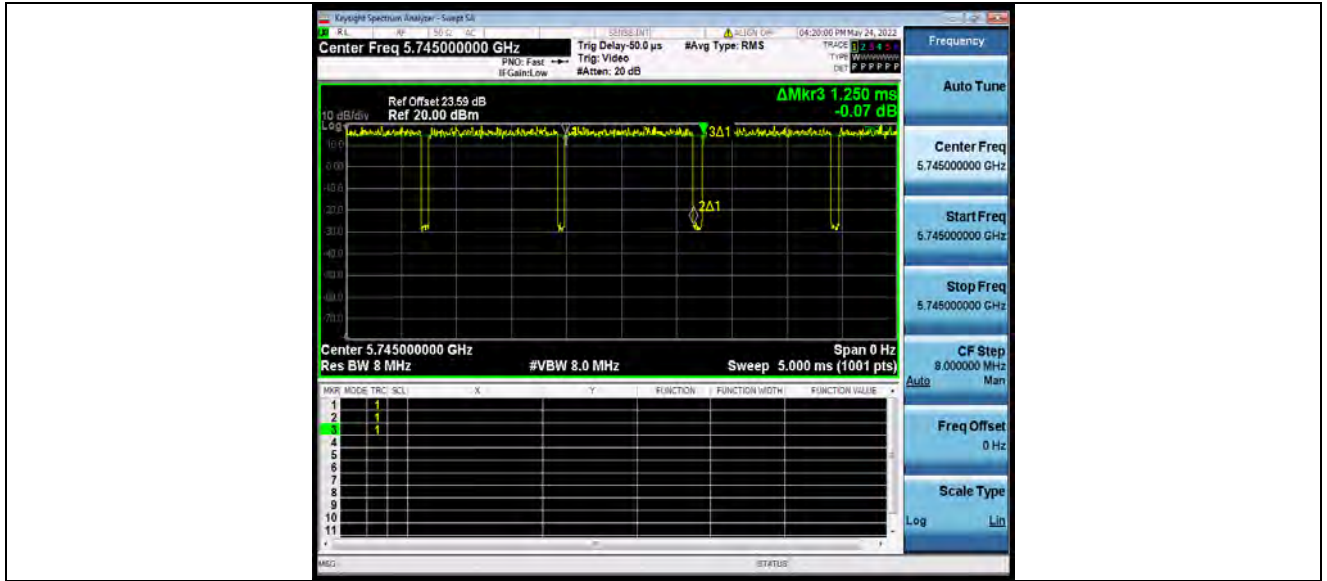


11AC20SISO\_Ant1\_5745

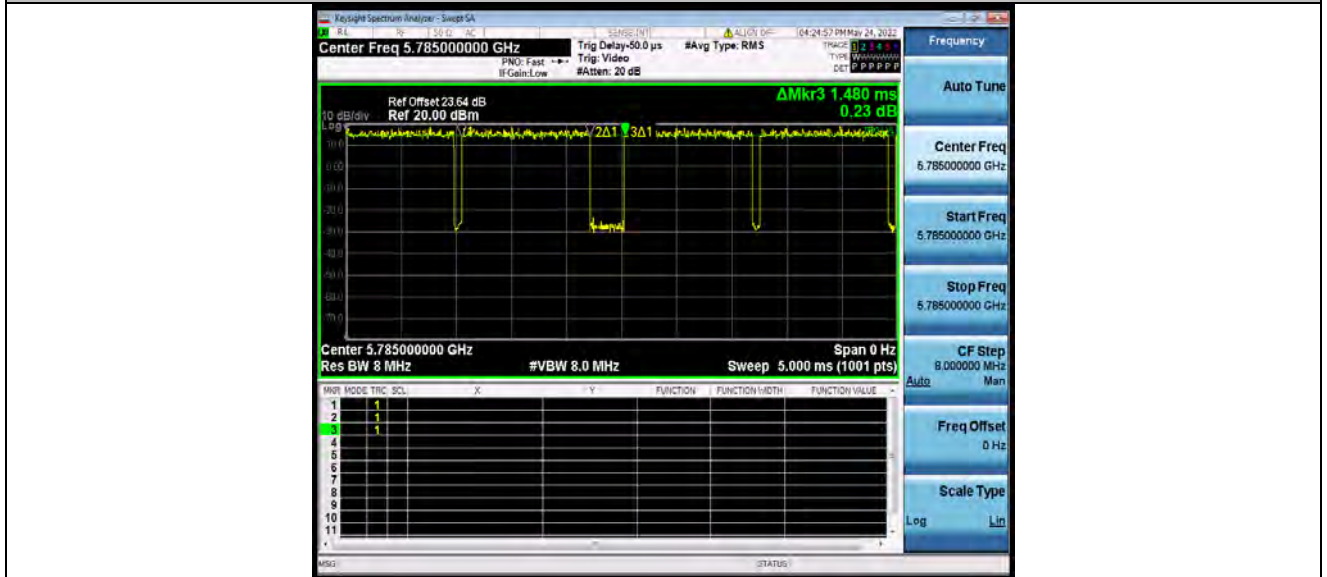


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5785

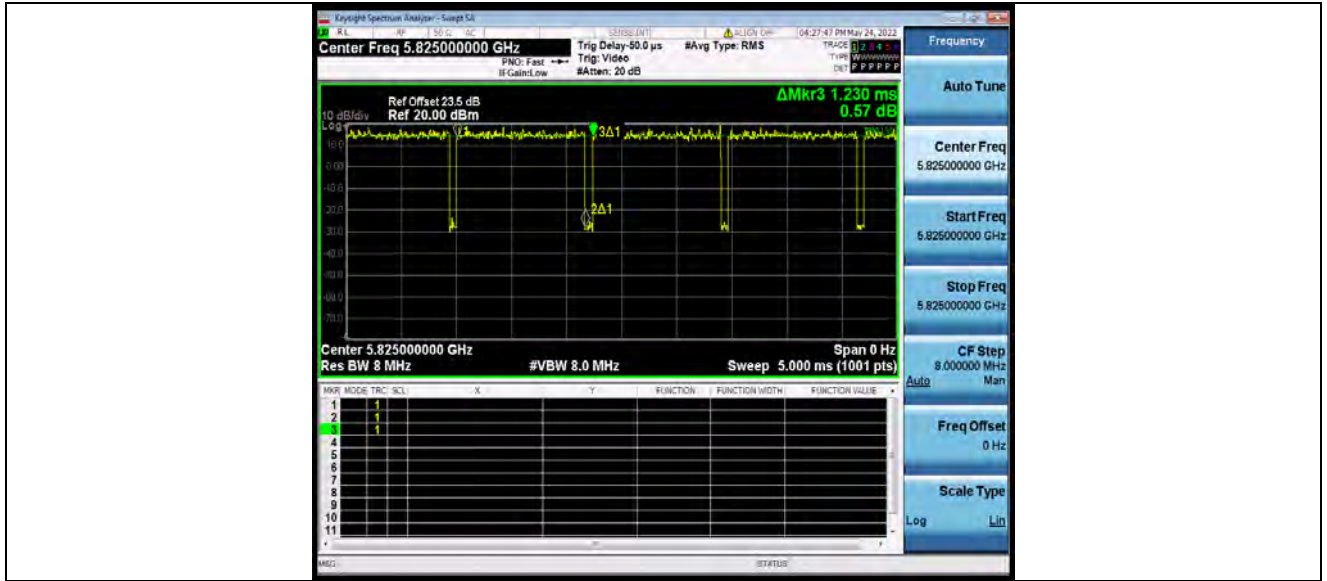


11AC20SISO\_Ant1\_5825

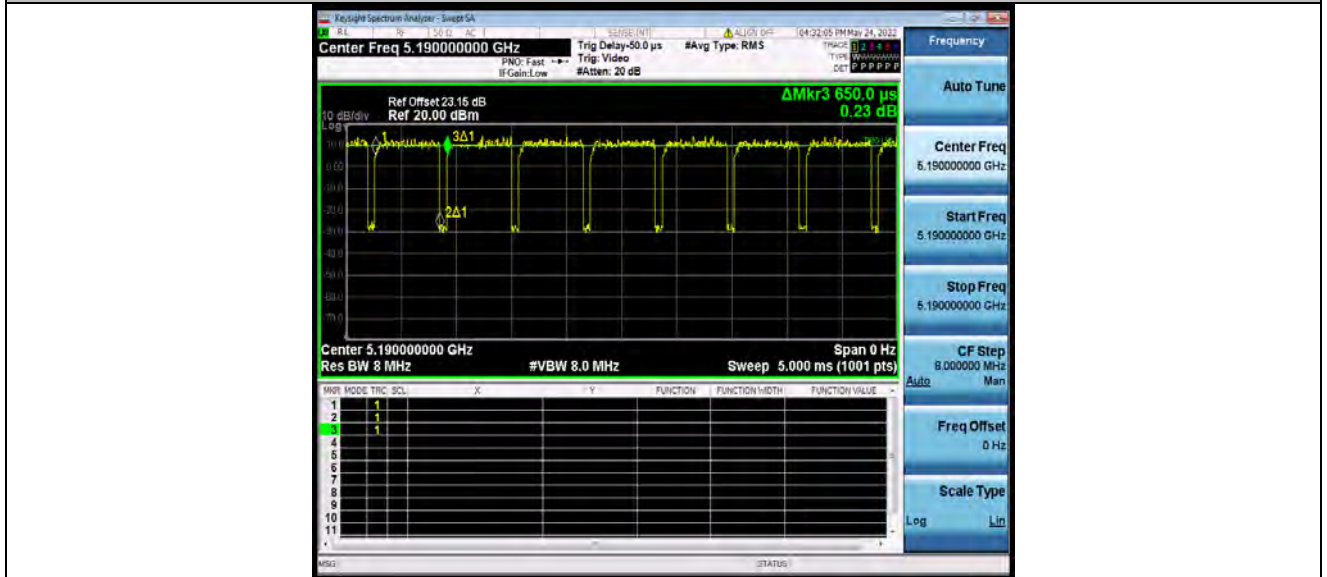


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5190

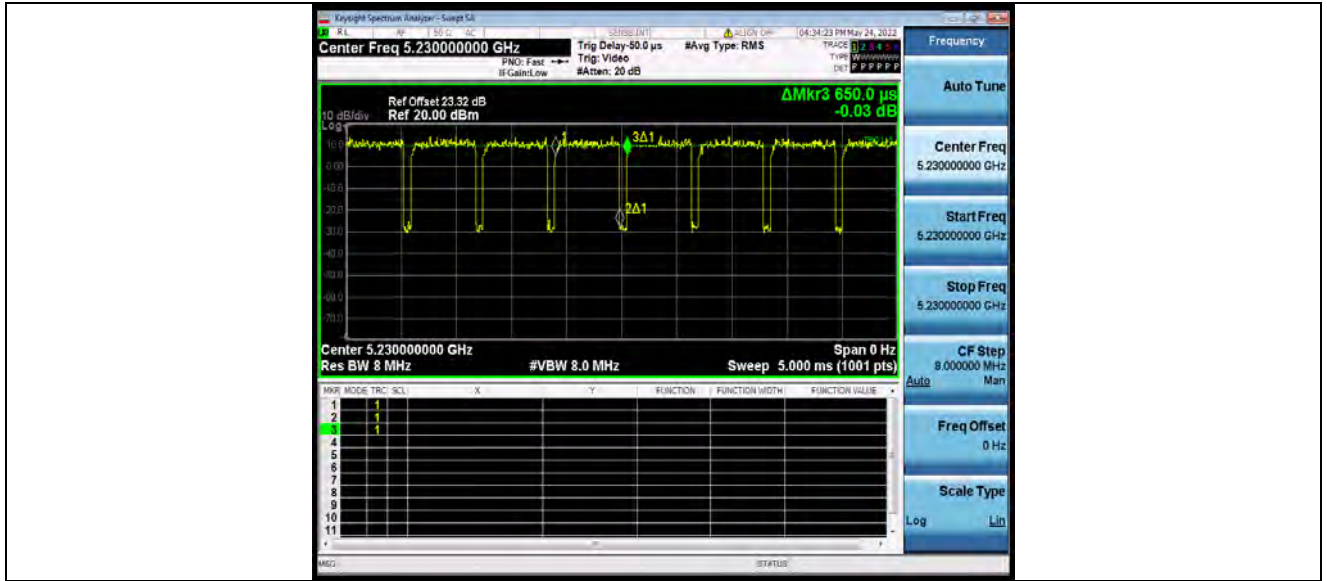


11AC40SISO\_Ant1\_5230

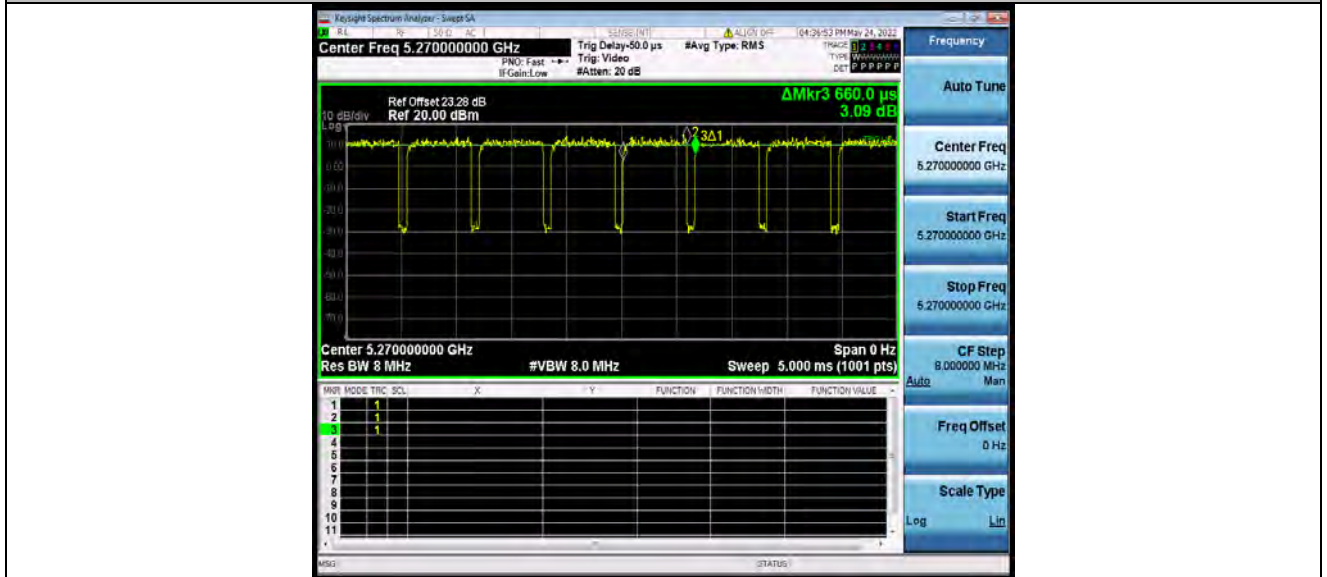


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5270

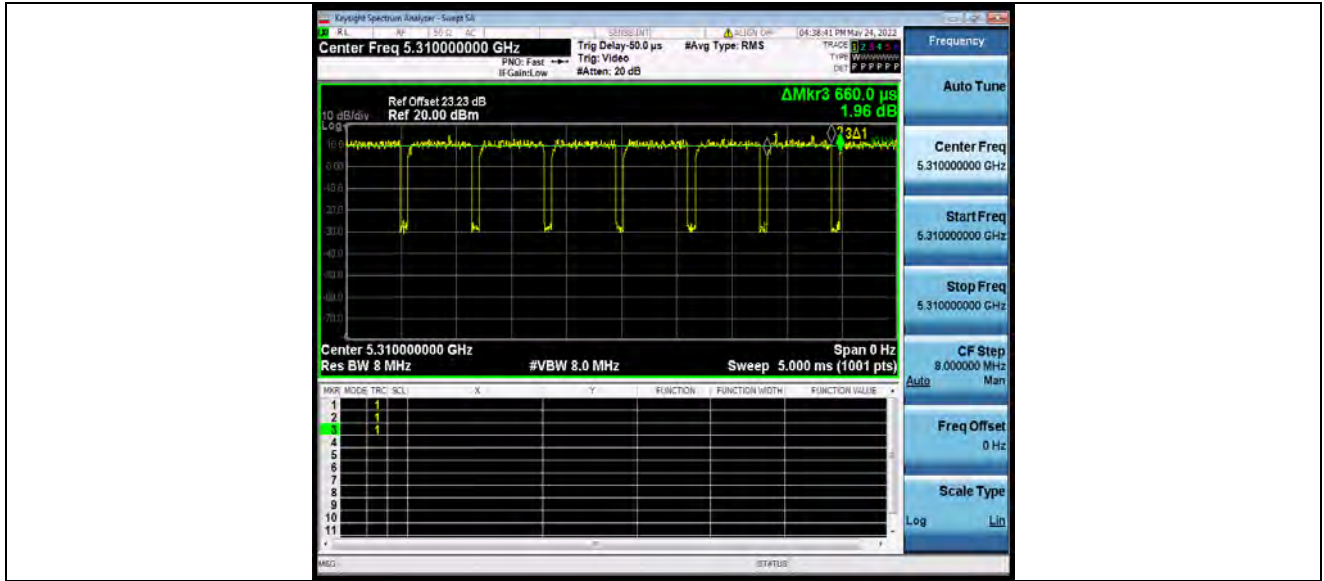


11AC40SISO\_Ant1\_5310

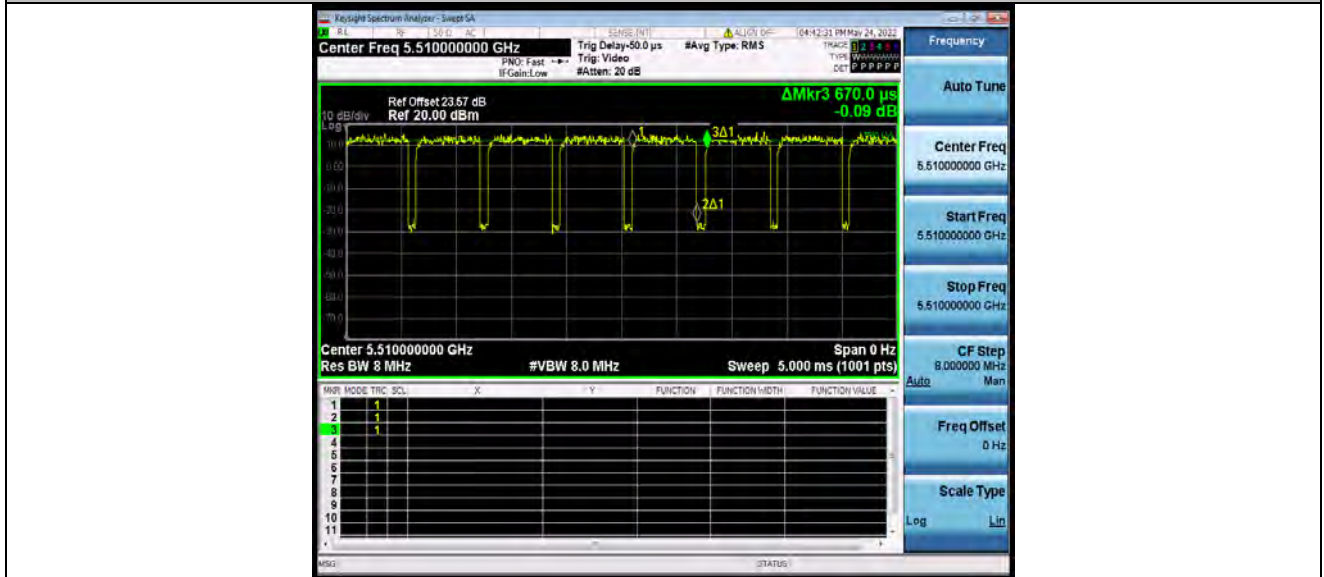


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5510

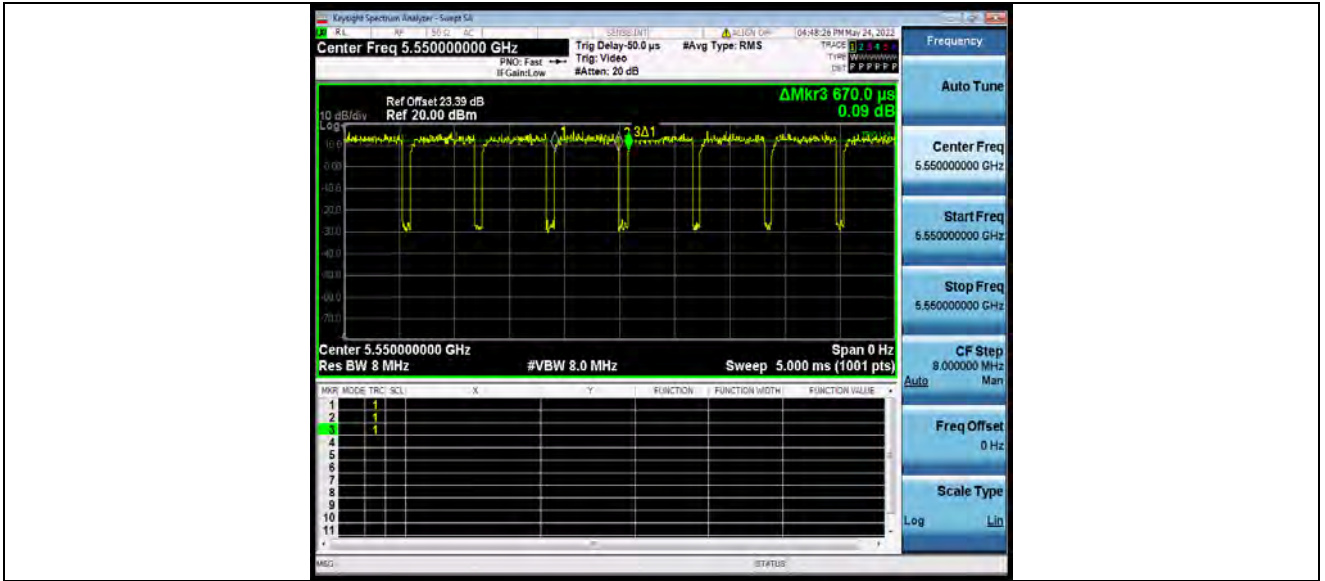


11AC40SISO\_Ant1\_5550

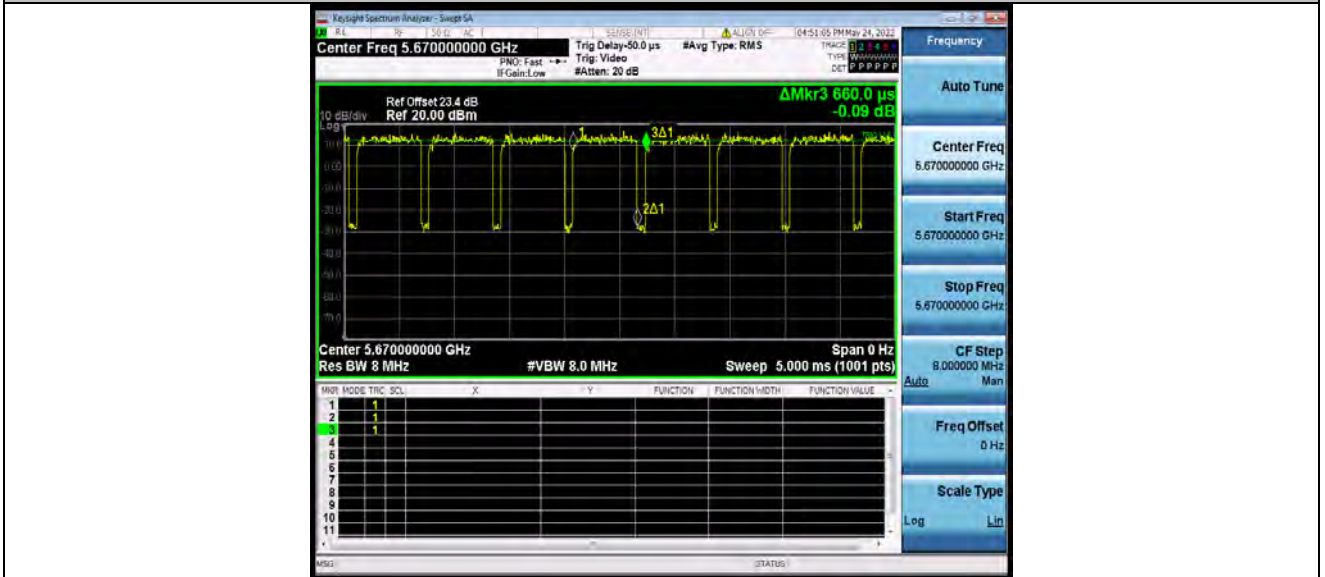


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5670

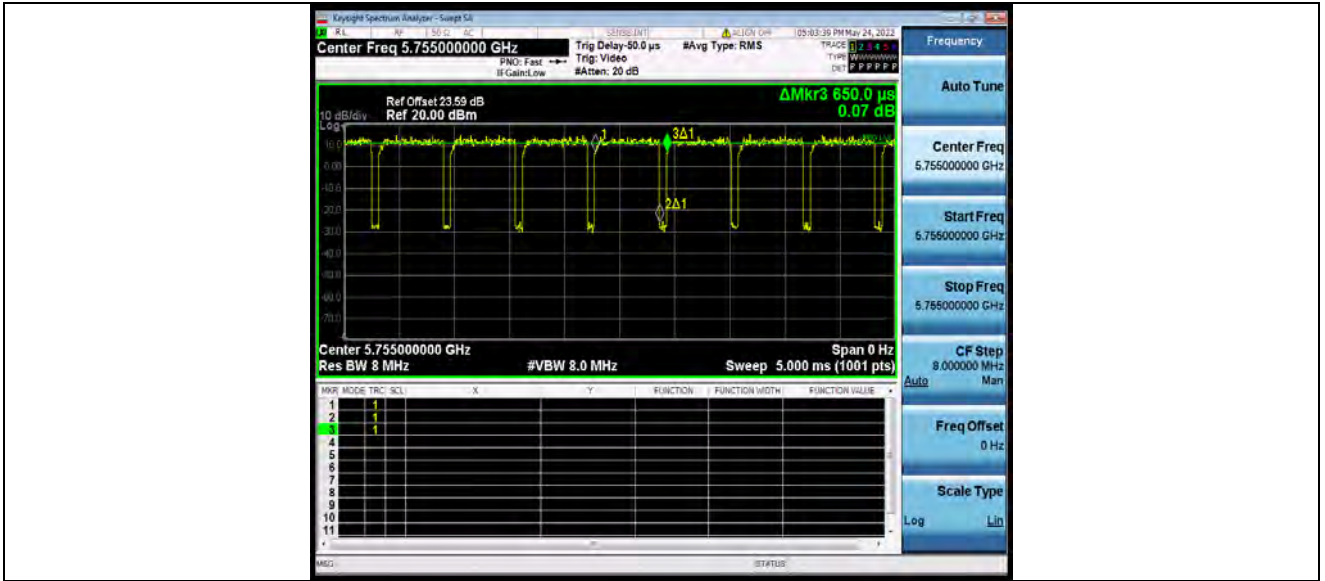


11AC40SISO\_Ant1\_5755

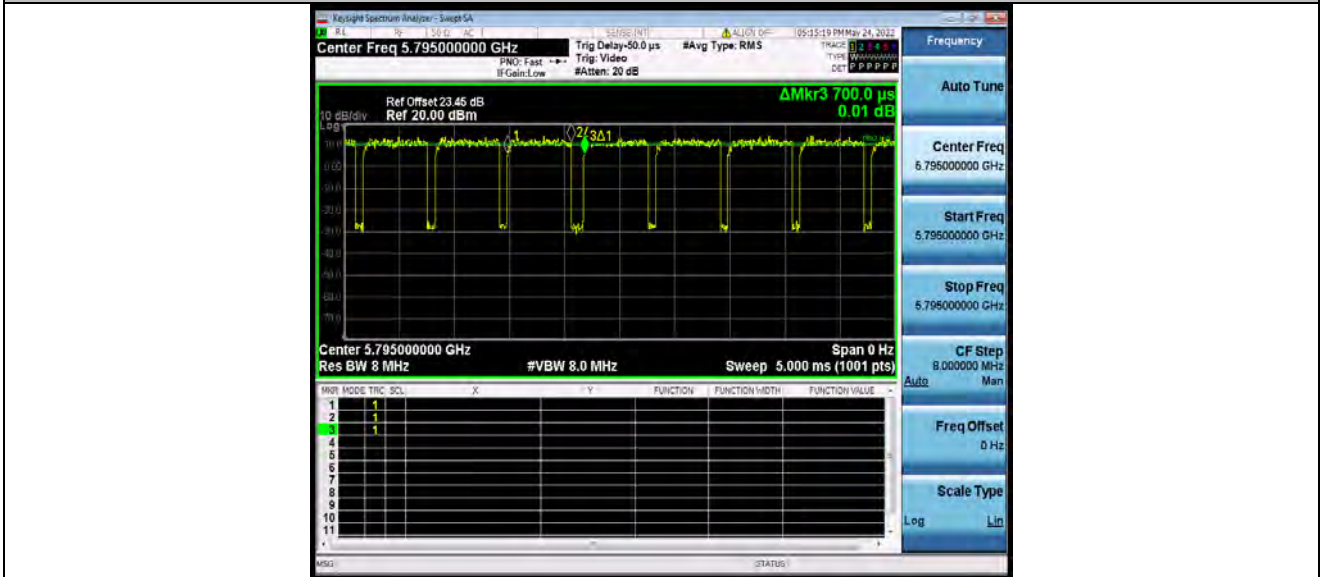


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5795



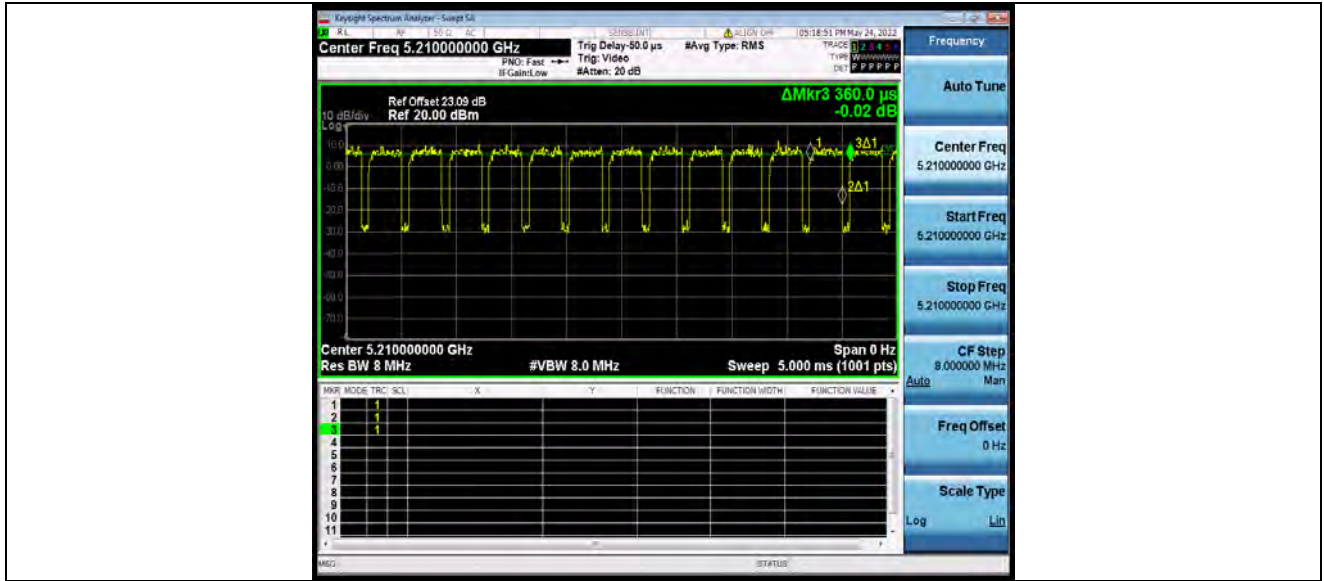
11AC80SISO\_Ant1\_5210



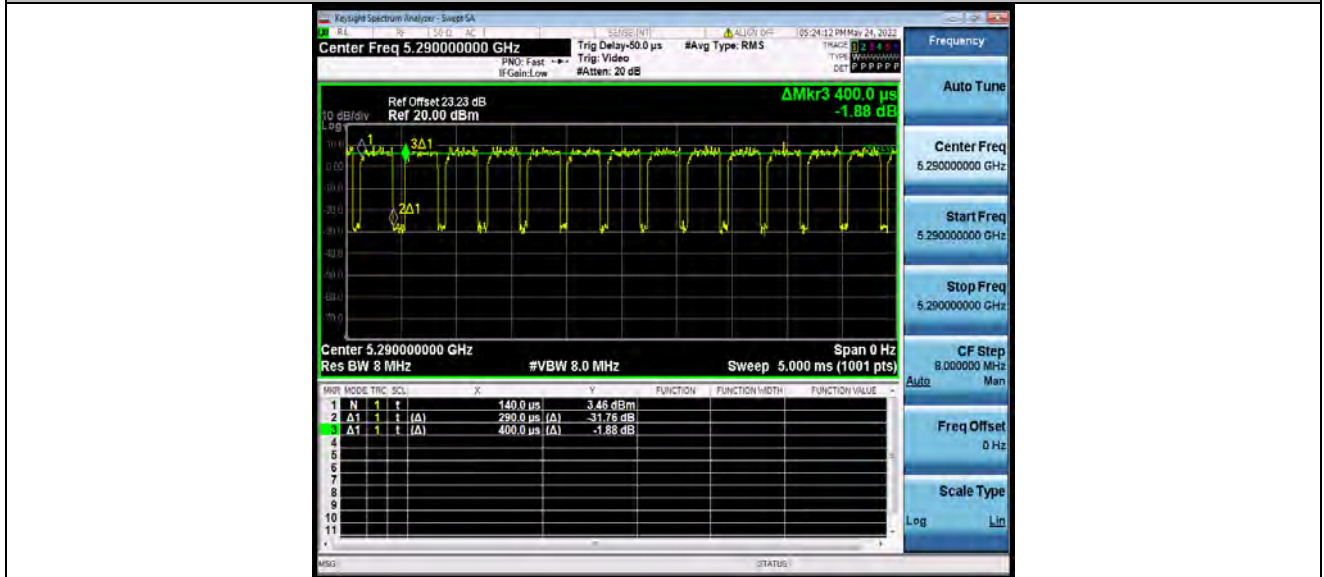


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5290

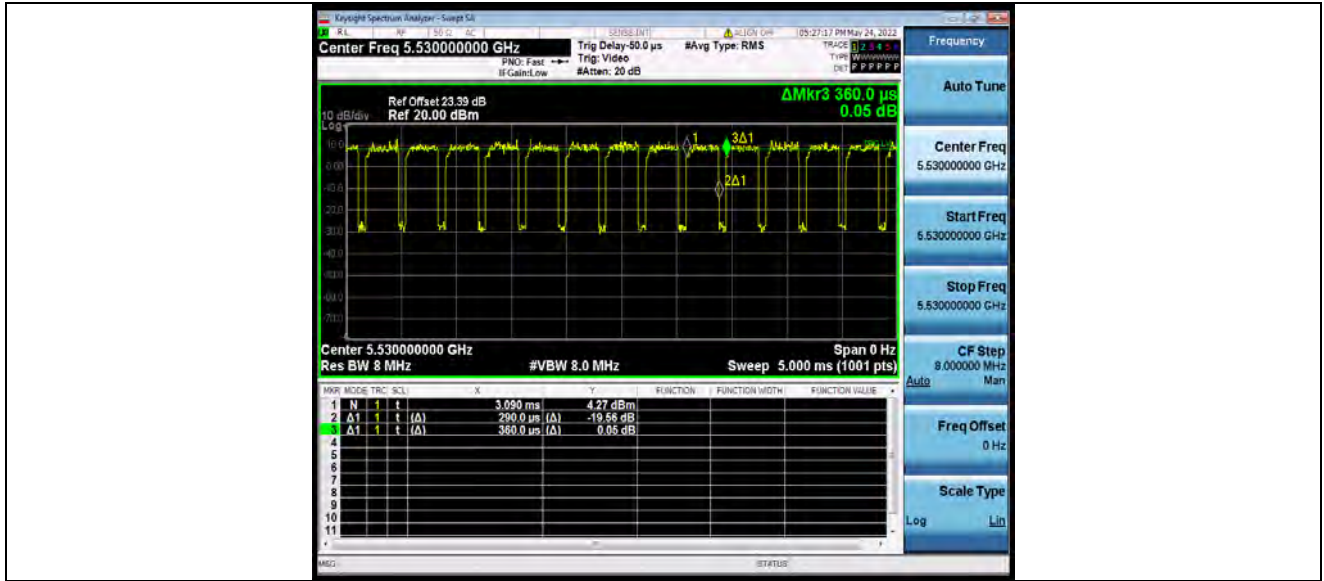


11AC80SISO\_Ant1\_5530

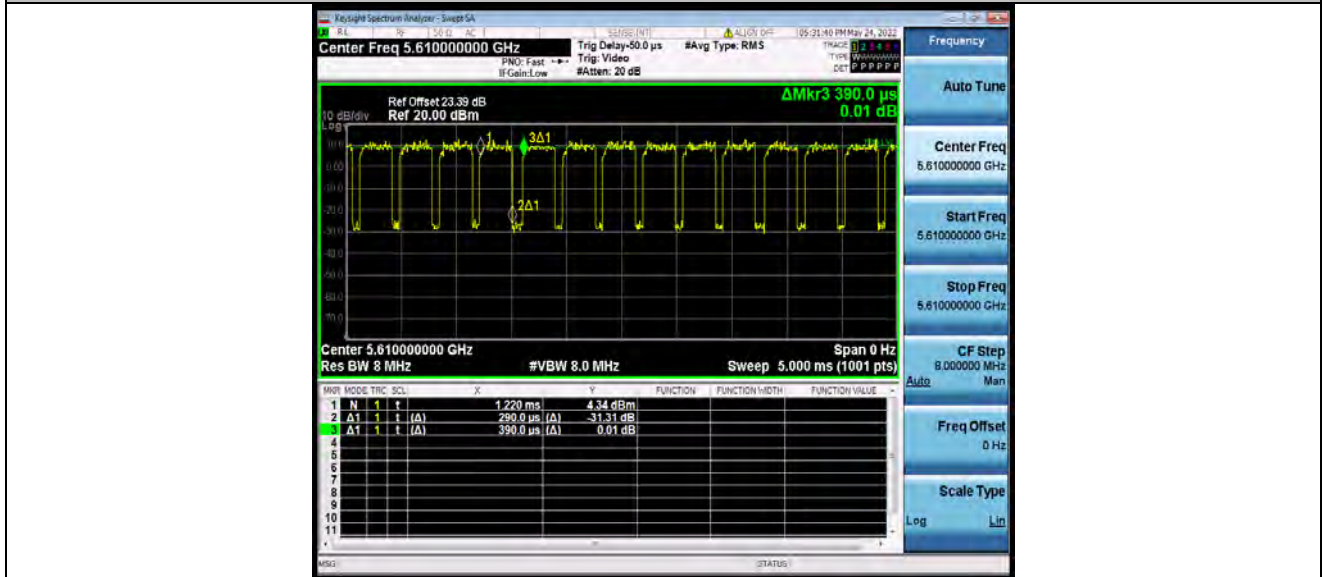


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5610

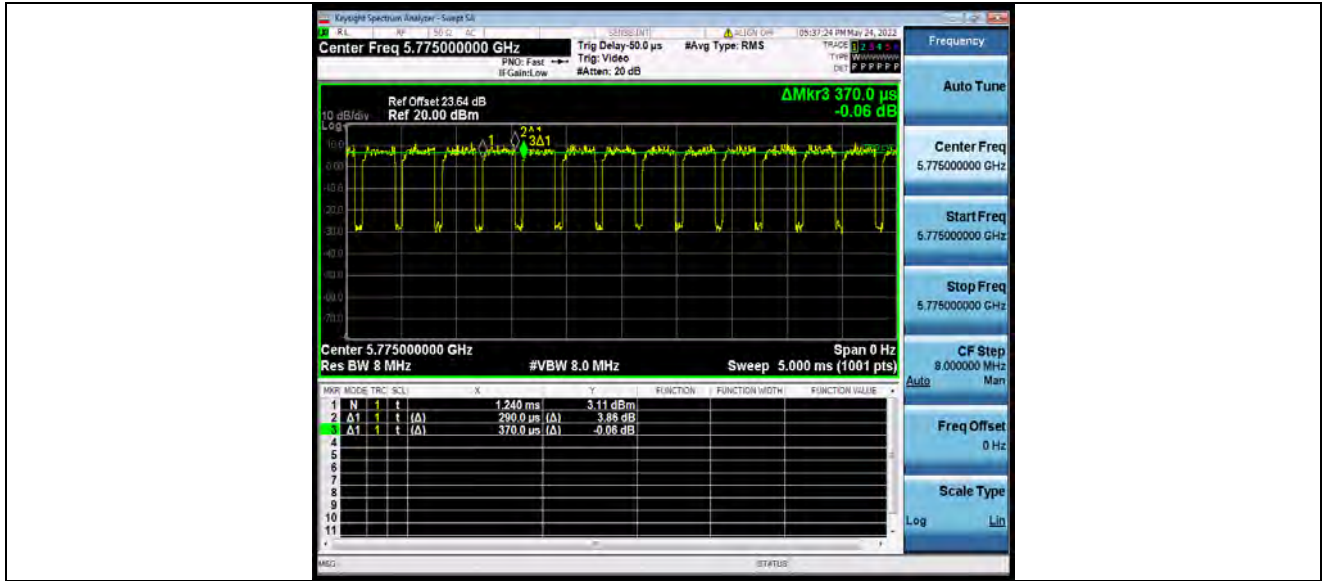


11AC80SISO\_Ant1\_5775



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03





### 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



(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.





BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF03

## TEST GRAPHS

11A\_Ant1\_5180



11A\_Ant1\_5200

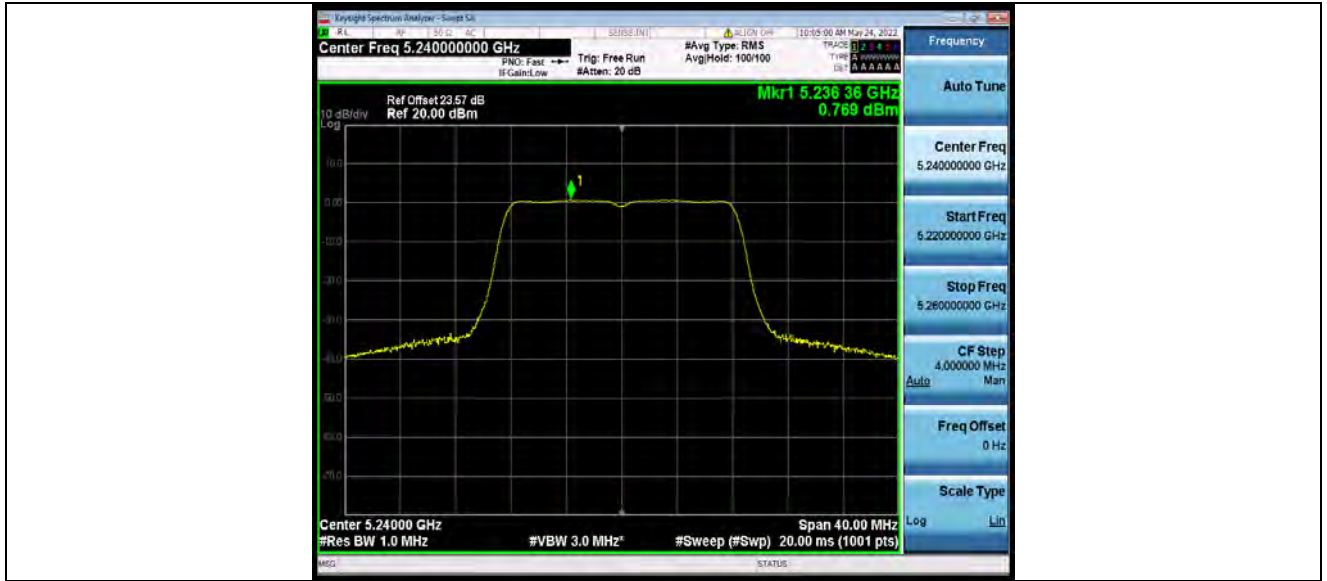


11A\_Ant1\_5240



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11A\_Ant1\_5260



11A\_Ant1\_5300



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11A\_Ant1\_5320

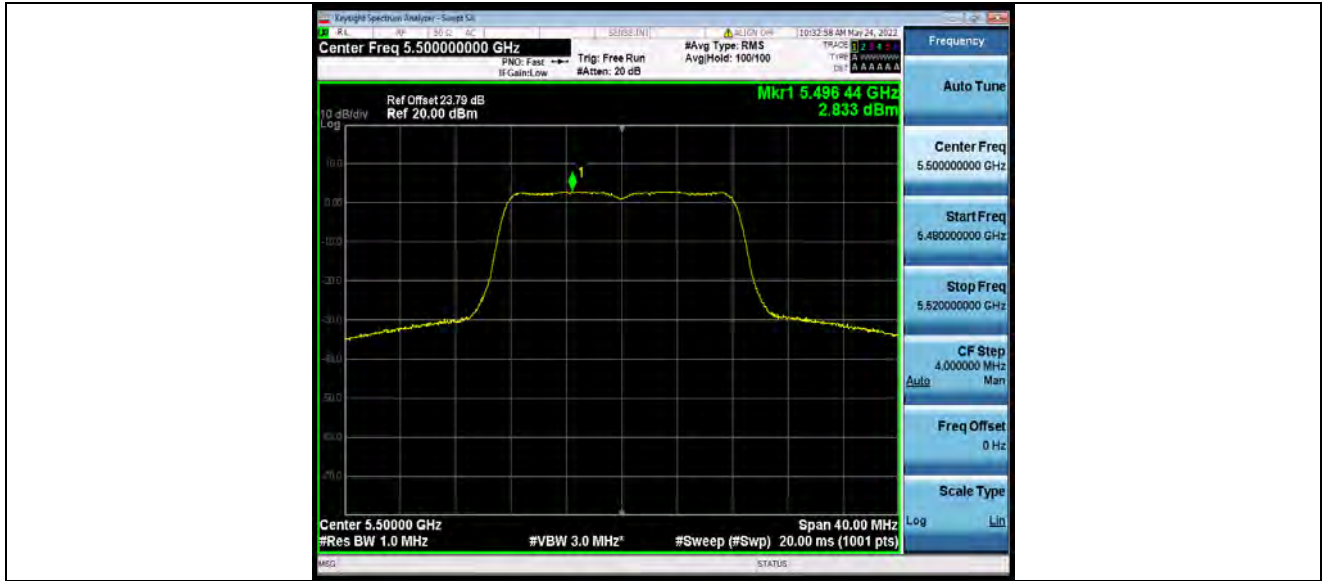


11A\_Ant1\_5500



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11A\_Ant1\_5580

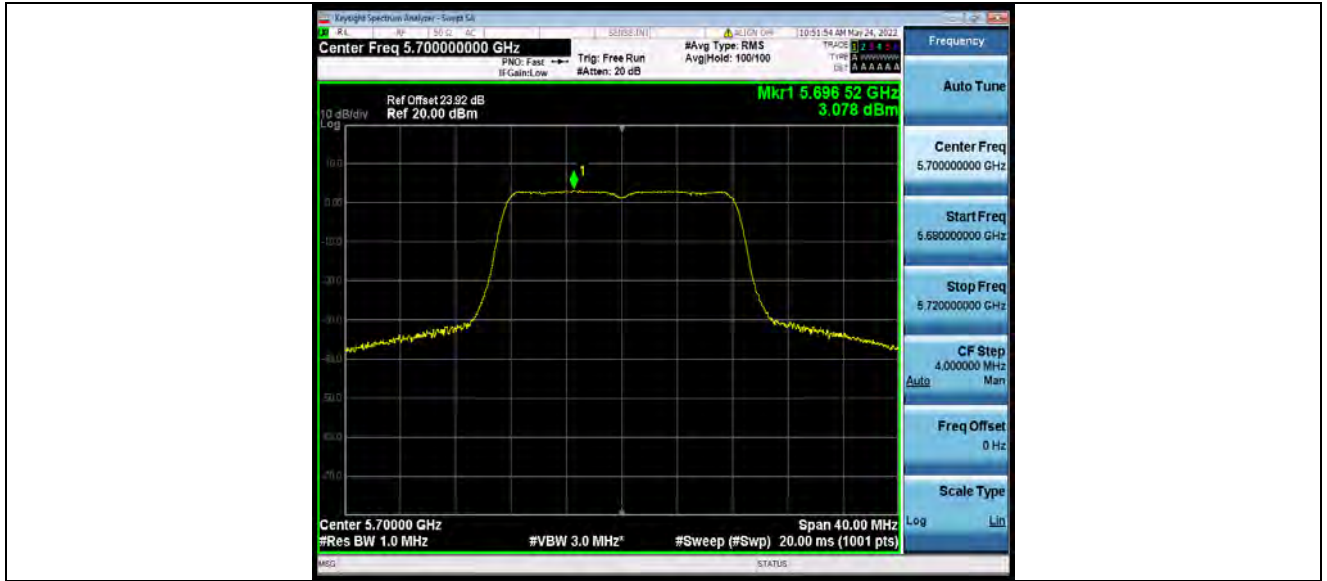


11A\_Ant1\_5700

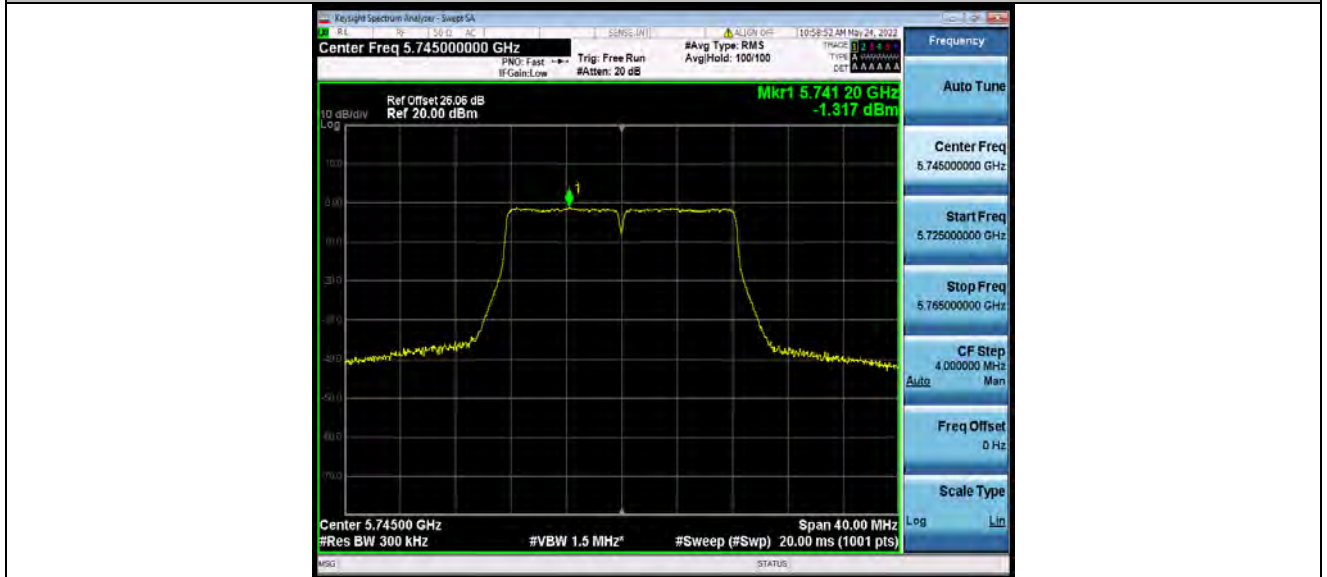


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11A\_Ant1\_5745

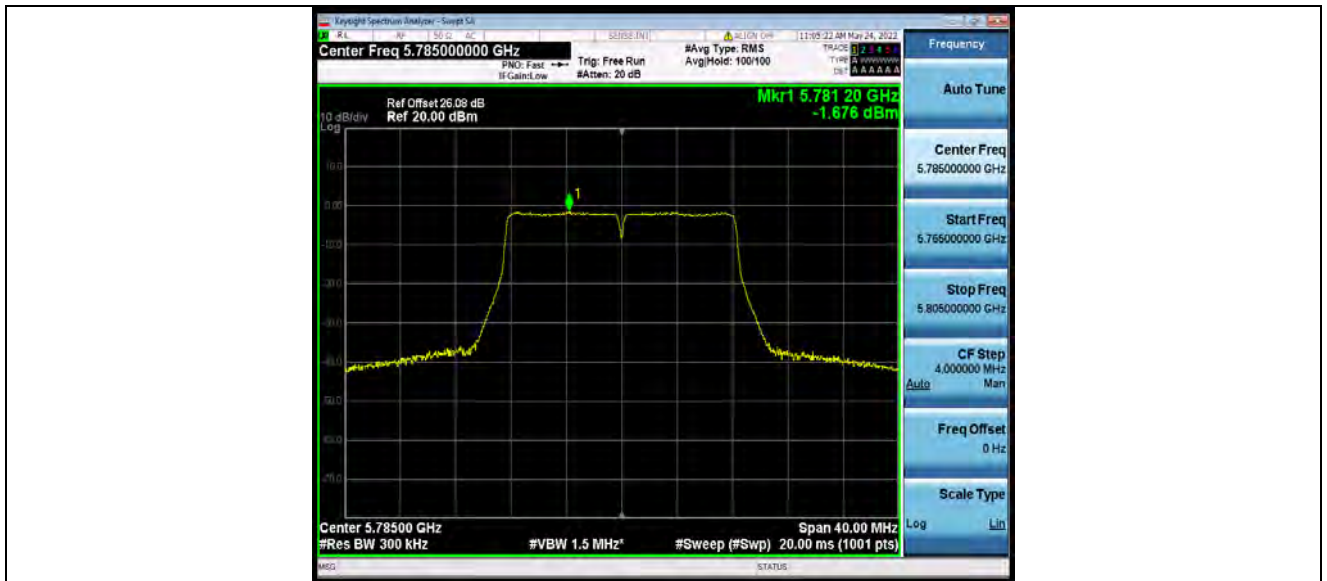


11A\_Ant1\_5785



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11A\_Ant1\_5825

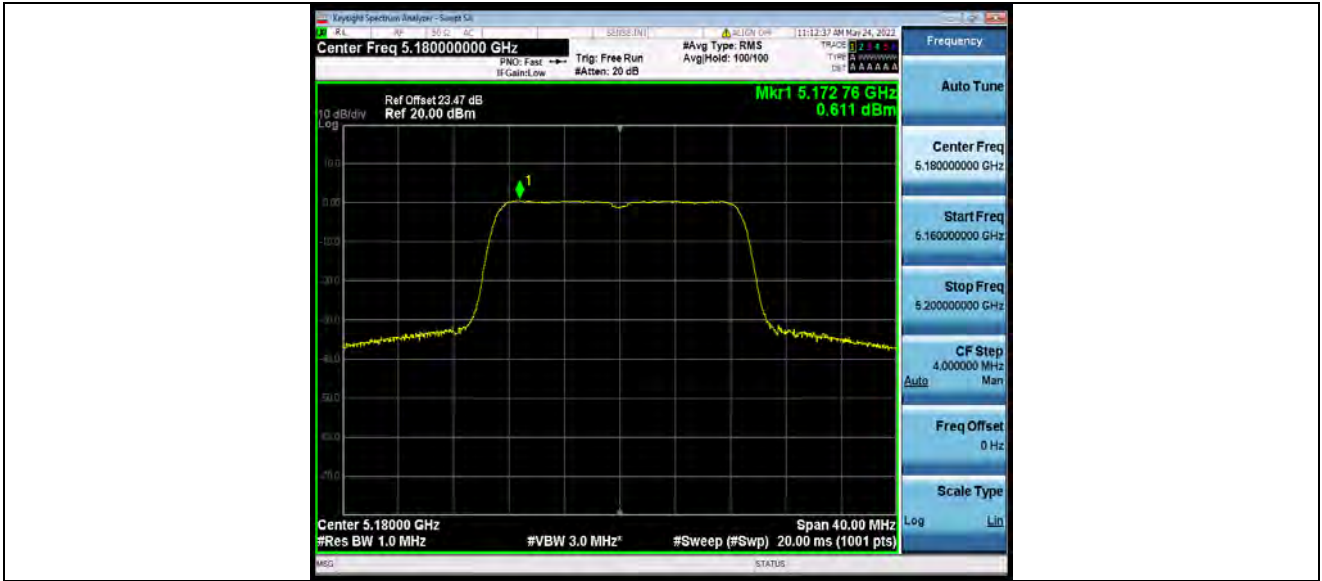


11N20SISO\_Ant1\_5180



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11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N20SISO\_Ant1\_5260



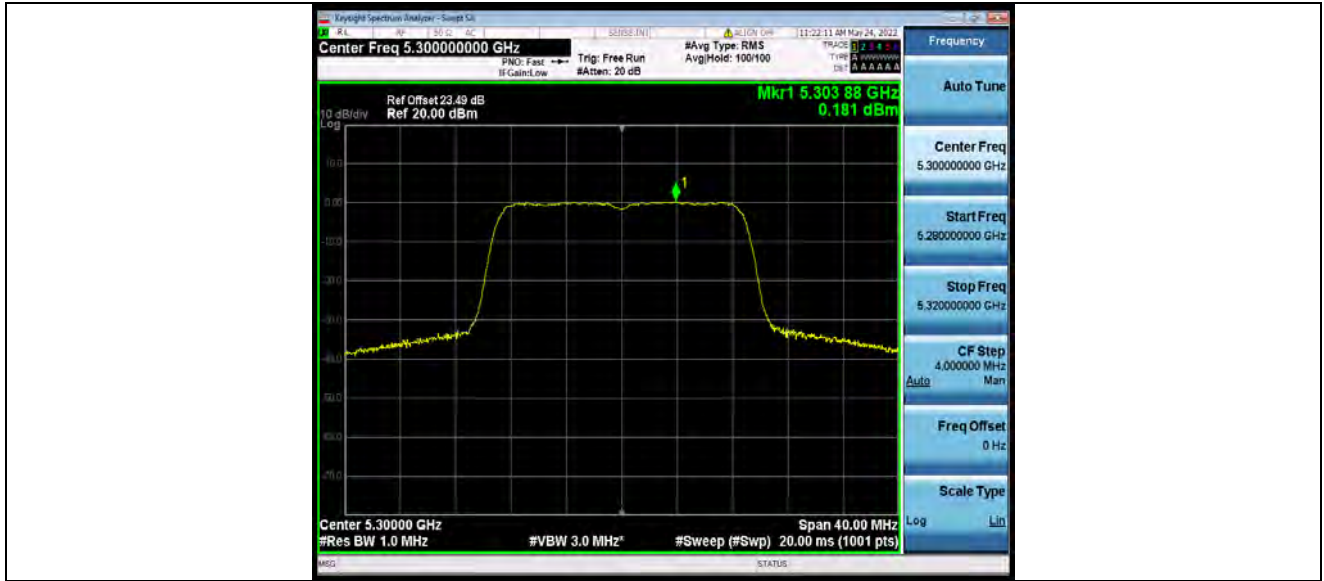
11N20SISO\_Ant1\_5300





BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N20SISO\_Ant1\_5320



11N20SISO\_Ant1\_5500



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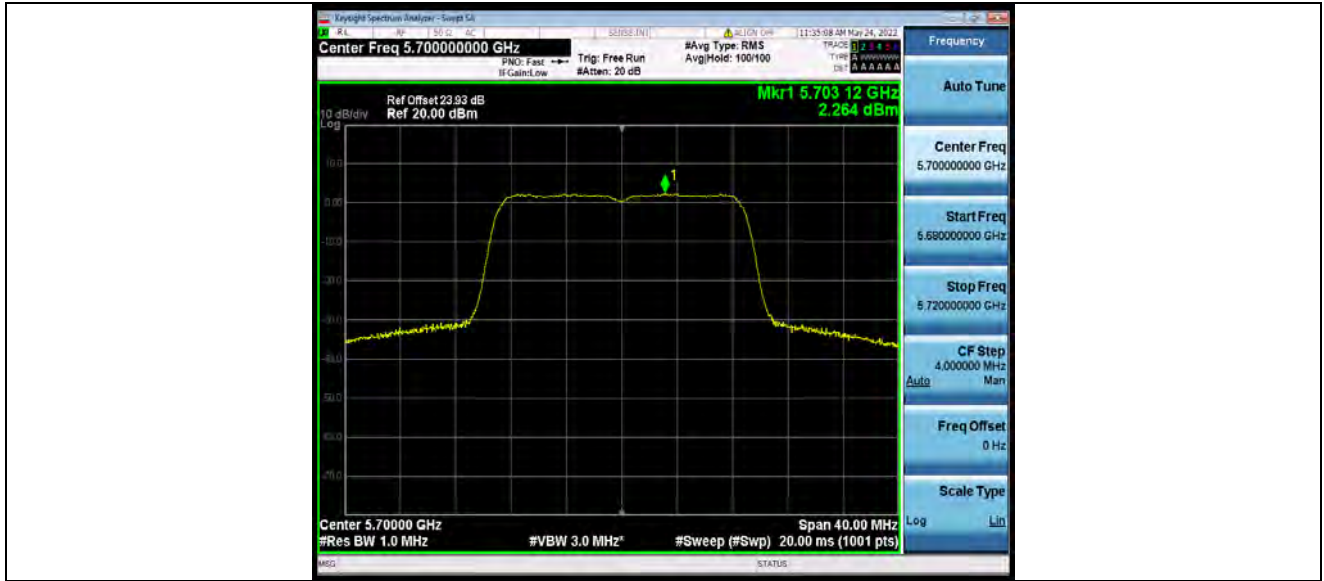
Test Report No.: W7L-P22090011RF03



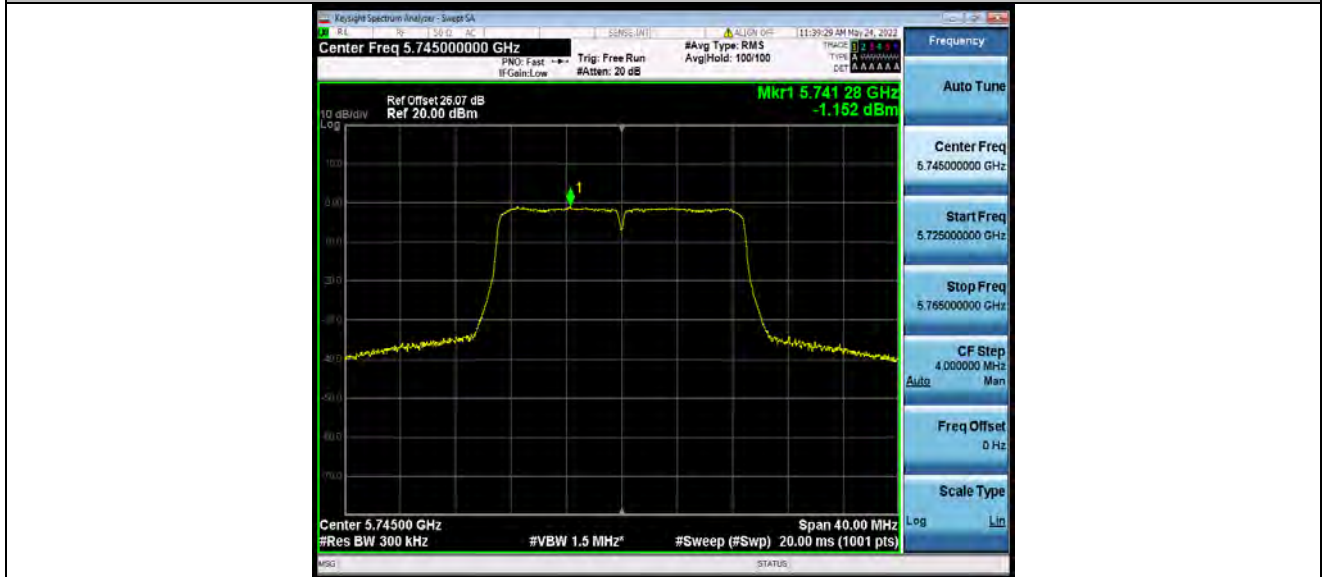


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N20SISO\_Ant1\_5745

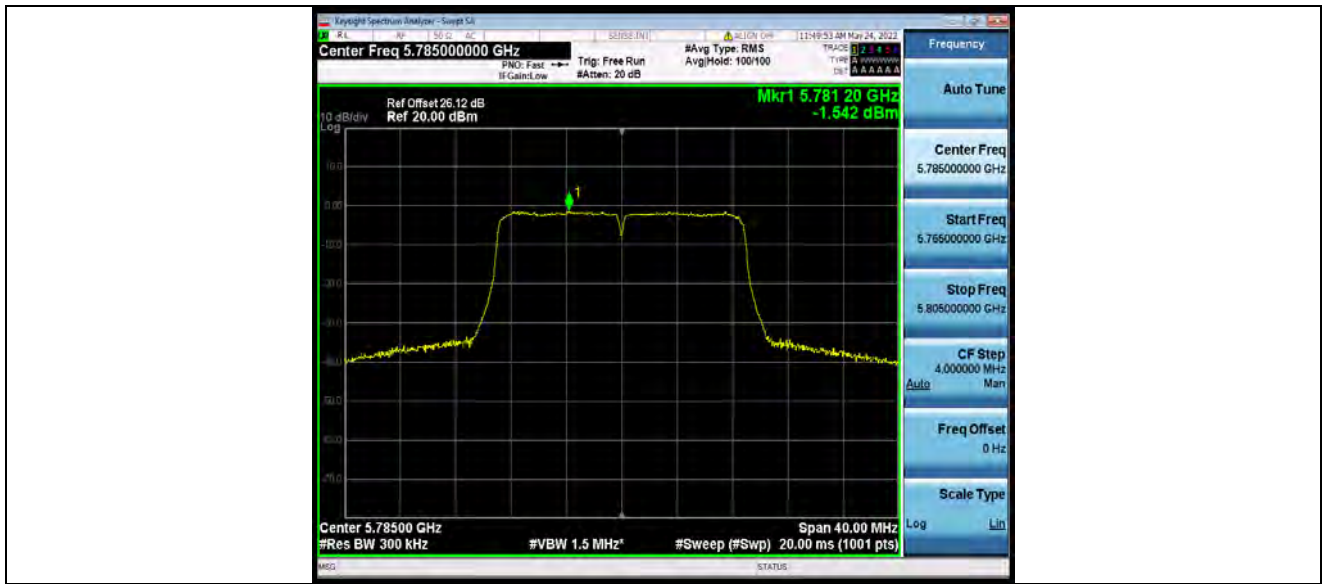


11N20SISO\_Ant1\_5785



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Test Report No.: W7L-P22090011RF03



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5190



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5270



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Test Report No.: W7L-P22090011RF03



11N40SISO\_Ant1\_5310



11N40SISO\_Ant1\_5510



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N40SISO\_Ant1\_5550



11N40SISO\_Ant1\_5670



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795





BUREAU VERITAS

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11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5240

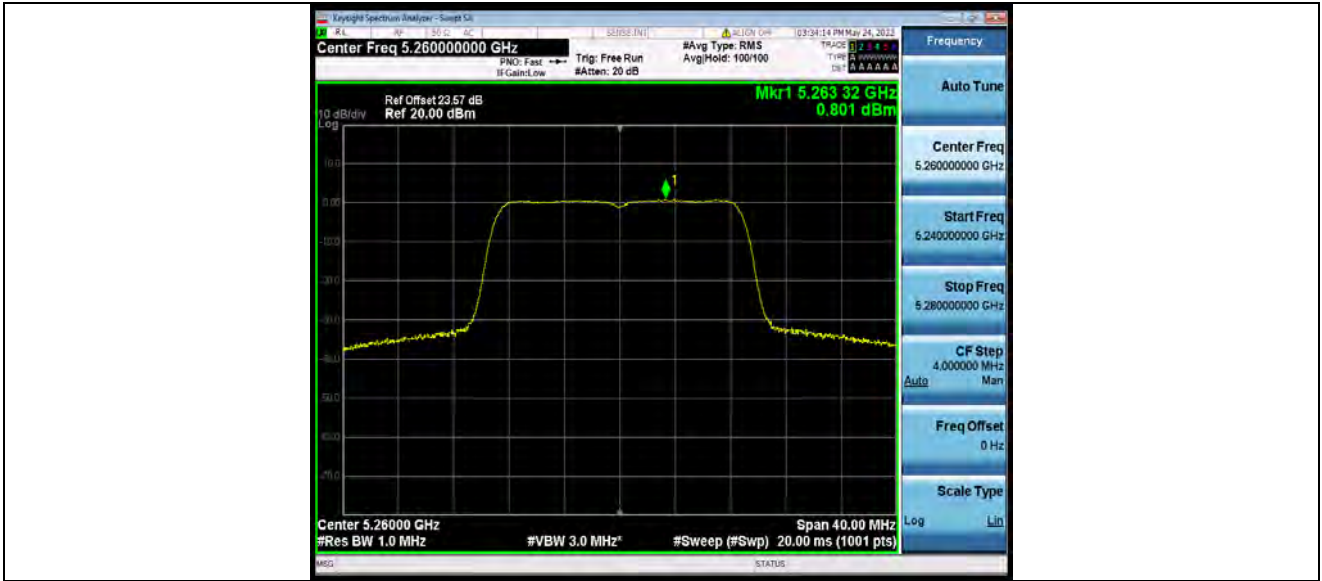


11AC20SISO\_Ant1\_5260



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5300

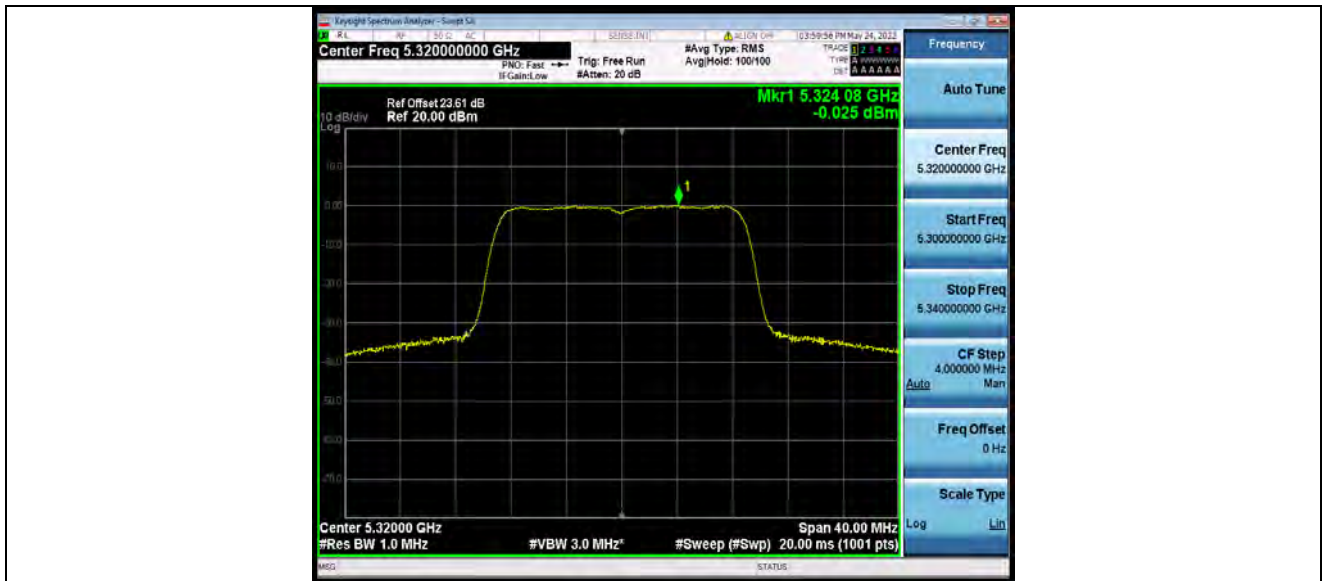


11AC20SISO\_Ant1\_5320



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5500

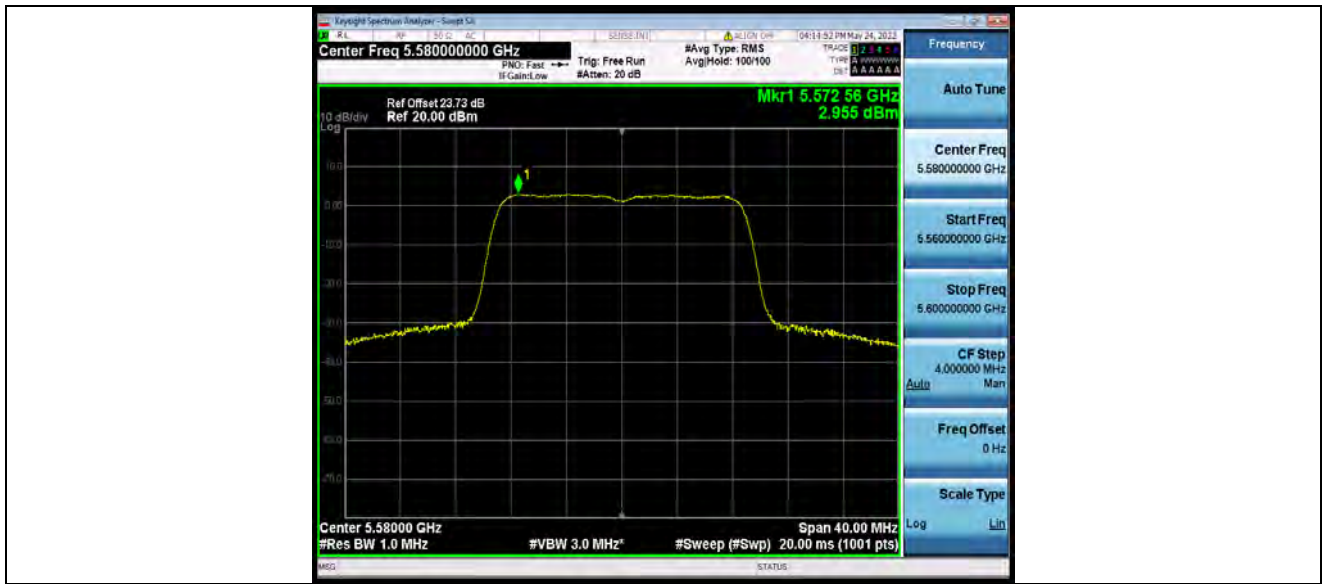


11AC20SISO\_Ant1\_5580



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5700



11AC20SISO\_Ant1\_5745



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5785

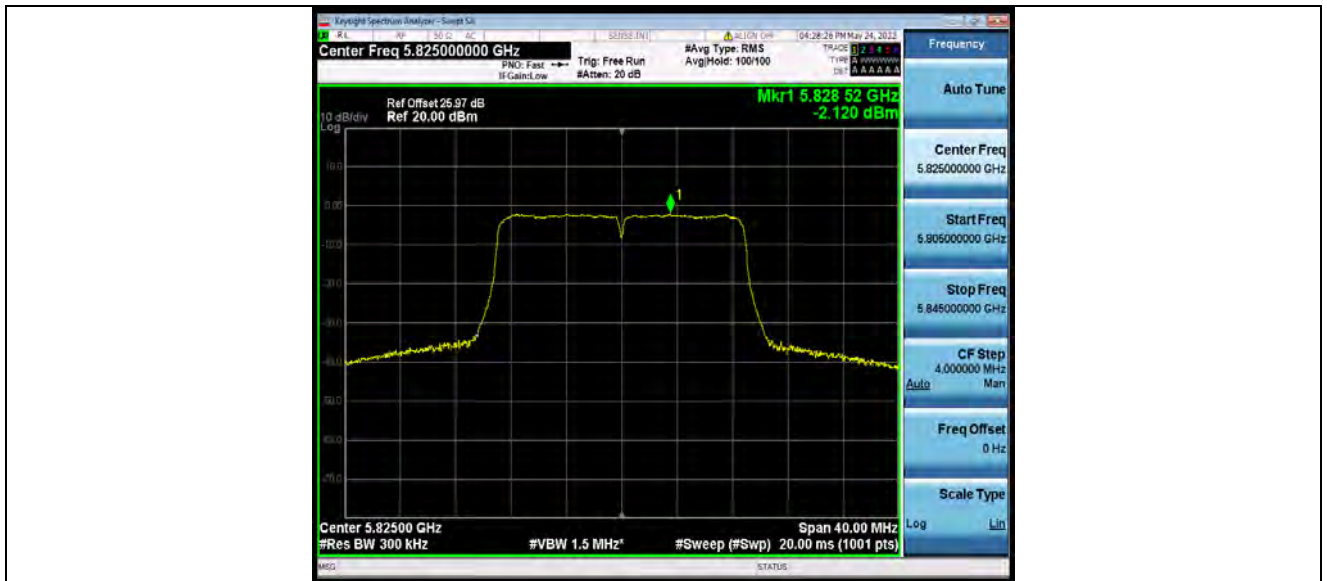


11AC20SISO\_Ant1\_5825



BUREAU  
VERITAS

Test Report No.: W7L-P22090011RF03



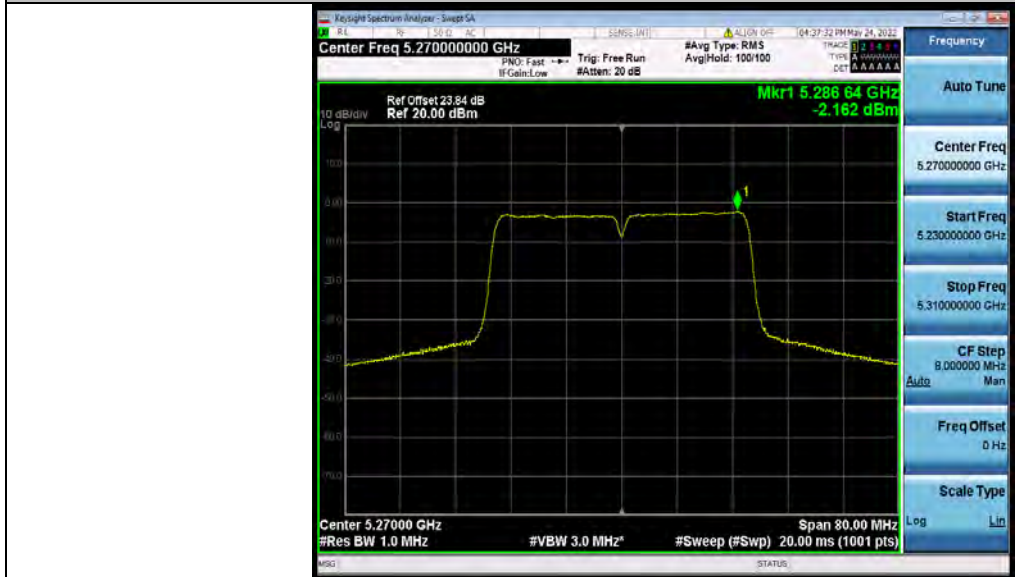


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Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5270



11AC40SISO\_Ant1\_5310





BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5510

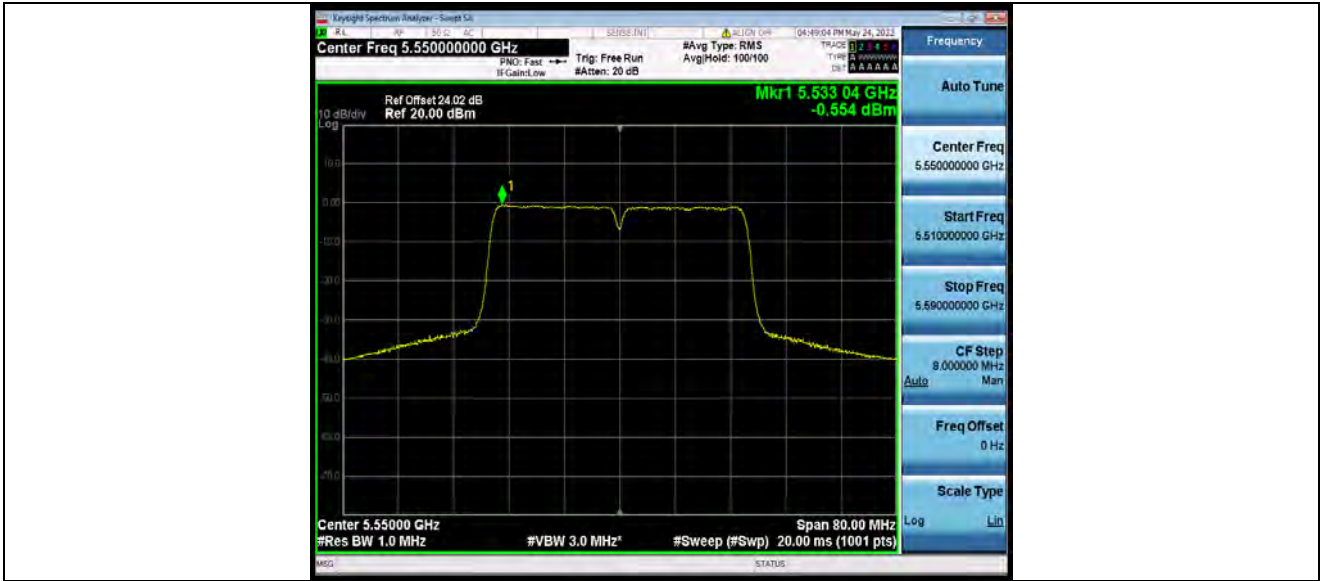


11AC40SISO\_Ant1\_5550



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5670



11AC40SISO\_Ant1\_5755

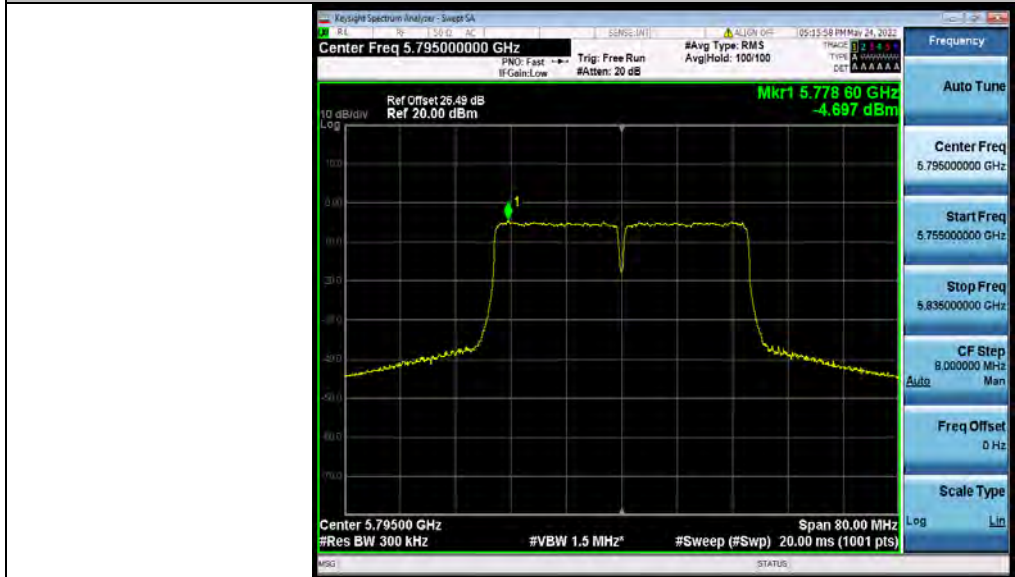


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Test Report No.: W7L-P22090011RF03



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210



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Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5290



11AC80SISO\_Ant1\_5530



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5610



11AC80SISO\_Ant1\_5775



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Test Report No.: W7L-P22090011RF03





**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P22090011RF03**



# 7 APPENDIX B ACROSS BAND EMISSION BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	24.600	5707.480	5732.080	---	---
		5720_UNII-2C	17.52	5707.480	5725	---	---
		5720_UNII-3	7.08	5725	5732.080	---	---
11N20SISO	Ant1	5720	23.080	5709.200	5732.280	---	---
		5720_UNII-2C	15.8	5709.200	5725	---	---
		5720_UNII-3	7.28	5725	5732.280	---	---
11N40SISO	Ant1	5710	39.520	5690.320	5729.840	---	---
		5710_UNII-2C	34.68	5690.320	5725	---	---
		5710_UNII-3	4.84	5725	5729.840	---	---
11AC20SISO	Ant1	5720	26.000	5706.040	5732.040	---	---
		5720_UNII-2C	18.96	5706.040	5725	---	---
		5720_UNII-3	7.04	5725	5732.040	---	---
11AC40SISO	Ant1	5710	42.240	5690.160	5732.400	---	---
		5710_UNII-2C	34.84	5690.160	5725	---	---
		5710_UNII-3	7.4	5725	5732.400	---	---
11AC80SISO	Ant1	5690	83.040	5649.520	5732.560	---	---
		5690_UNII-2C	75.48	5649.520	5725	---	---
		5690_UNII-3	7.56	5725	5732.560	---	---





### TEST GRAPHS

11A\_Ant1\_5720



11N20SISO\_Ant1\_5720



11N40SISO\_Ant1\_5710



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11AC20SISO\_Ant1\_5720



11AC40SISO\_Ant1\_5710



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11AC80SISO\_Ant1\_5690





### OCCUPIED CHANNEL BANDWIDTH TEST RESULT

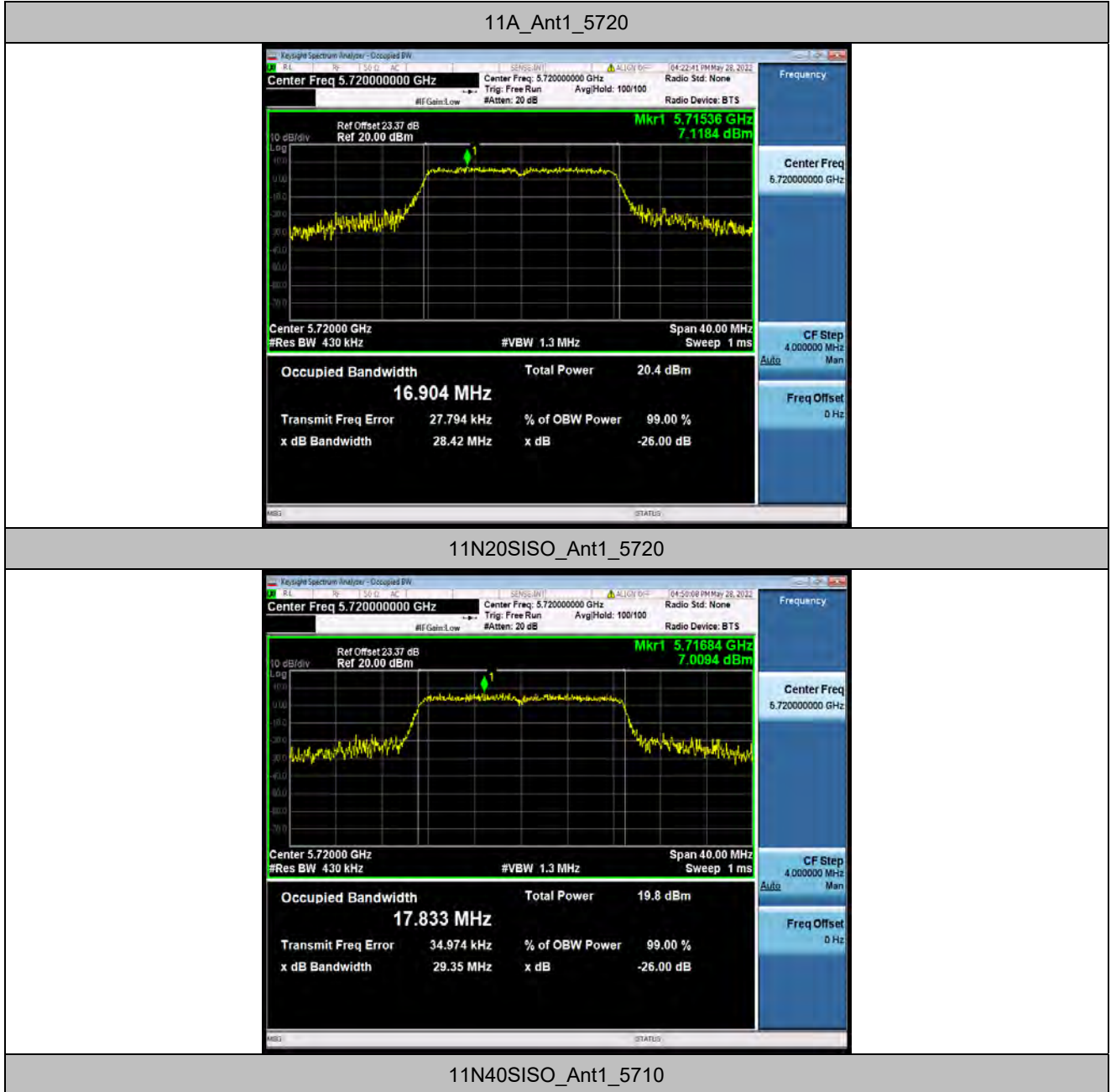
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.904	5711.576	5728.480	---	---
		5720_UNII-2C	13.424	5711.576	5725	---	PASS
		5720_UNII-3	3.48	5725	5728.480	---	PASS
11N20SISO	Ant1	5720	17.833	5711.118	5728.951	---	---
		5720_UNII-2C	13.882	5711.118	5725	---	PASS
		5720_UNII-3	3.951	5725	5728.951	---	PASS
11N40SISO	Ant1	5710	36.160	5691.939	5728.099	---	---
		5710_UNII-2C	33.061	5691.939	5725	---	PASS
		5710_UNII-3	3.099	5725	5728.099	---	PASS
11AC20SISO	Ant1	5720	17.809	5711.101	5728.910	---	---
		5720_UNII-2C	13.899	5711.101	5725	---	PASS
		5720_UNII-3	3.91	5725	5728.910	---	PASS
11AC40SISO	Ant1	5710	36.160	5691.937	5728.097	---	---
		5710_UNII-2C	33.063	5691.937	5725	---	PASS
		5710_UNII-3	3.097	5725	5728.097	---	PASS
11AC80SISO	Ant1	5690	75.916	5652.079	5727.995	---	---
		5690_UNII-2C	72.921	5652.079	5725	---	PASS
		5690_UNII-3	2.995	5725	5727.995	---	PASS



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### TEST GRAPHS



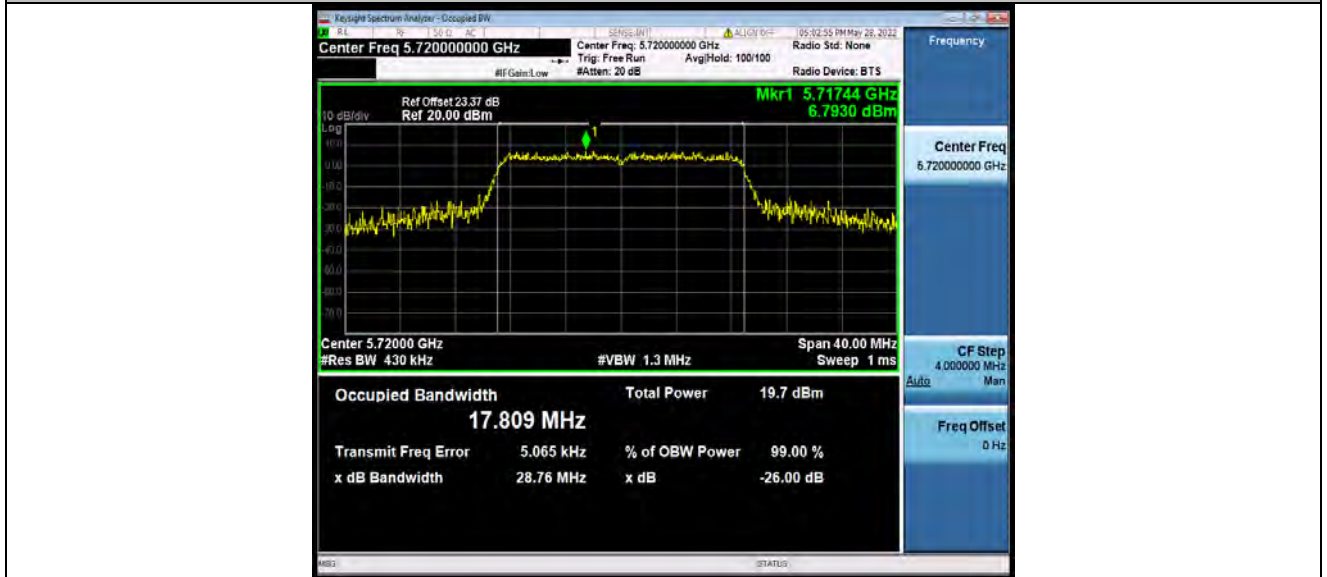


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5720



11AC40SISO\_Ant1\_5710



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5690





## MIN EMISSION BANDWIDTH

### TEST RESULT B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII-3	3.16	5725	5728.160	0.5	PASS
11N20SISO	Ant1	5720_UNII-3	3.68	5725	5728.680	0.5	PASS
11N40SISO	Ant1	5710_UNII-3	2.92	5725	5727.920	0.5	PASS
11AC20SISO	Ant1	5720_UNII-3	3.64	5725	5728.640	0.5	PASS
11AC40SISO	Ant1	5710_UNII-3	2.84	5725	5727.840	0.5	PASS
11AC80SISO	Ant1	5690_UNII-3	2.76	5725	5727.760	0.5	PASS



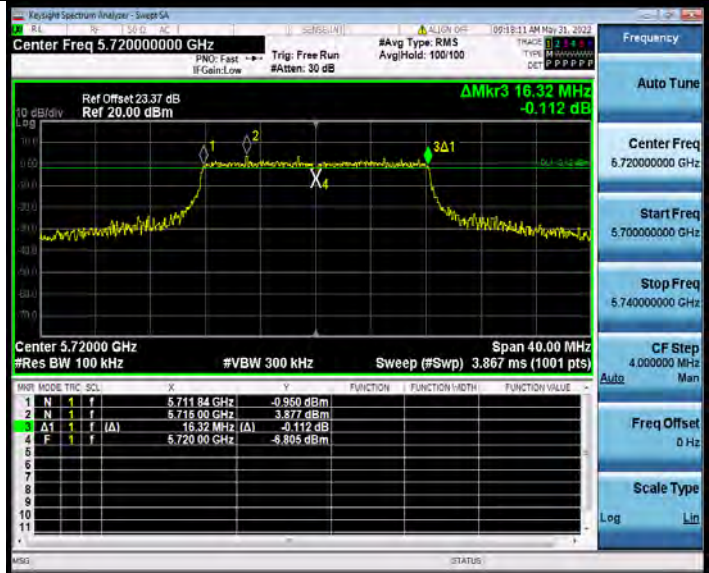


BUREAU VERITAS

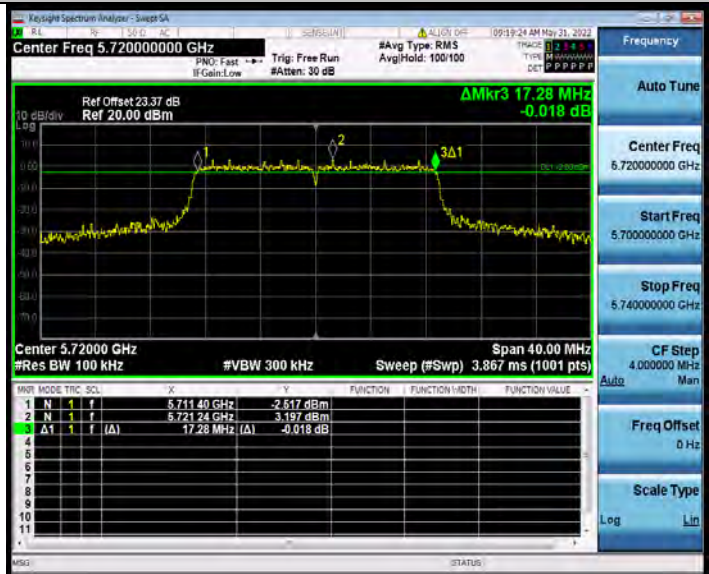
Test Report No.: W7L-P22090011RF03

### TEST GRAPHS B4

11A\_Ant1\_5720\_UNII-3



11N20SISO\_Ant1\_5720\_UNII-3

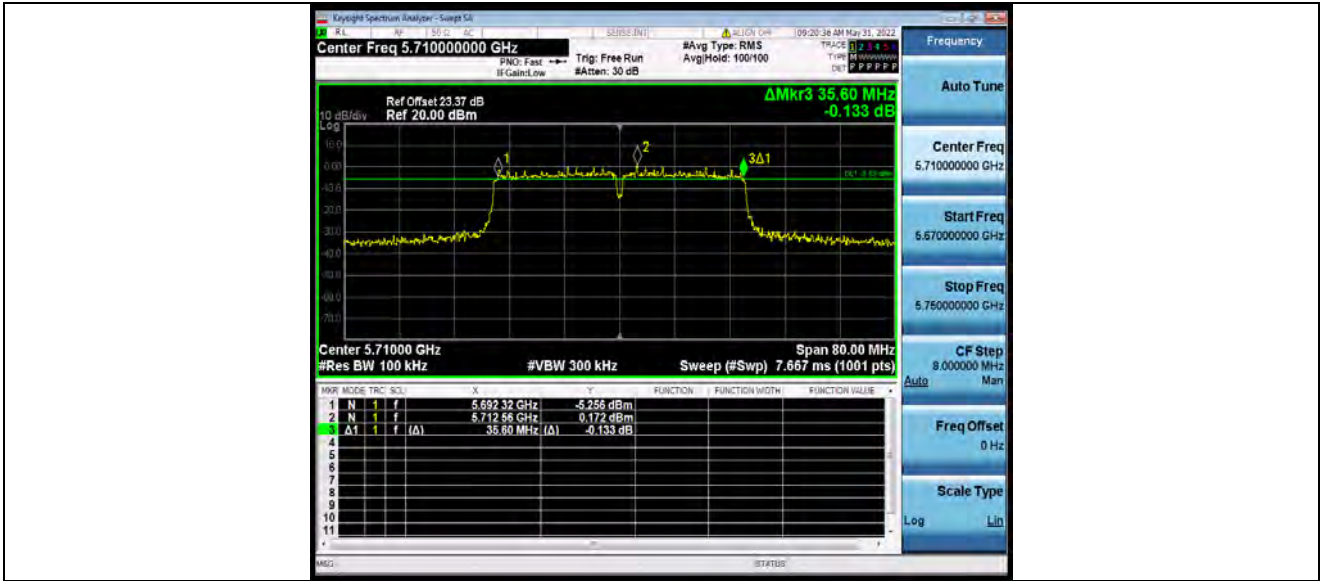


11N40SISO\_Ant1\_5710\_UNII-3

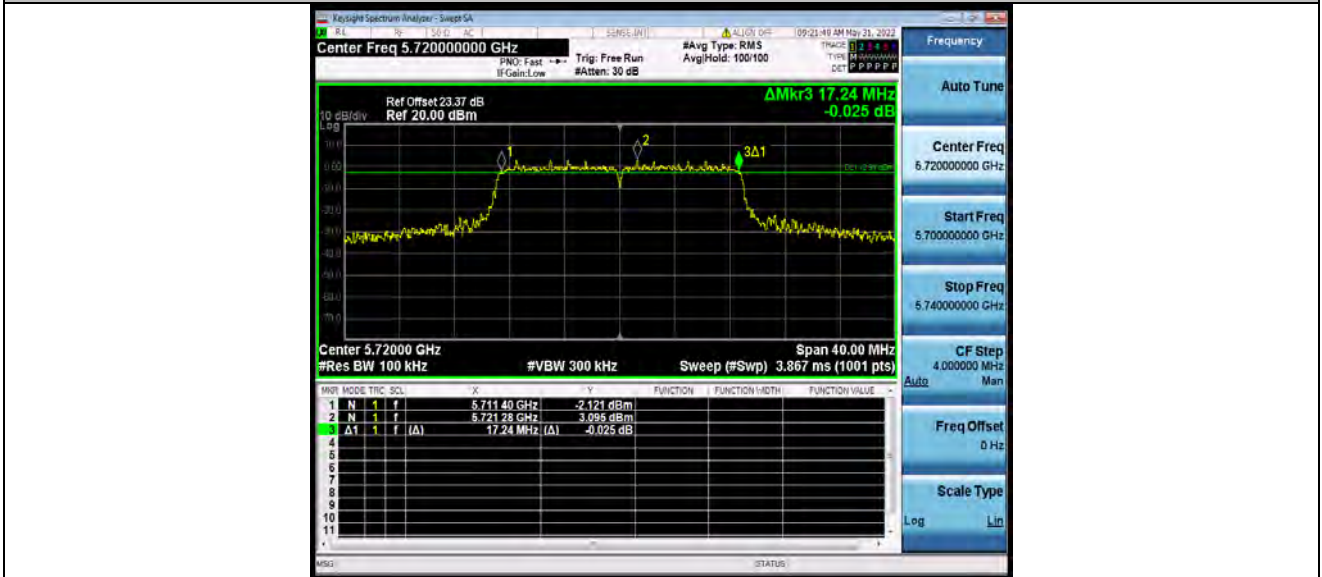


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Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5720\_UNII-3



11AC40SISO\_Ant1\_5710\_UNII-3

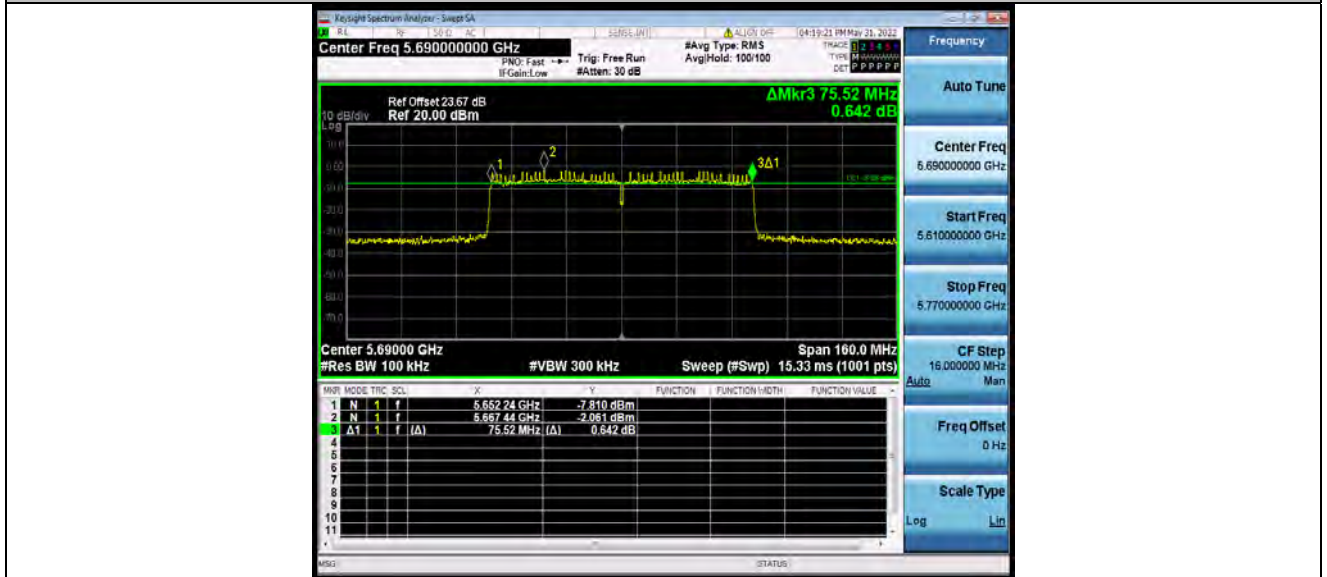


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5690\_UNII-3





## DUTY CYCLE

### TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5720	1.36	1.43	95.10
11N20SISO	Ant1	5720	1.15	1.22	94.26
11N40SISO	Ant1	5710	0.57	0.64	89.06
11AC20SISO	Ant1	5720	1.16	1.22	95.08
11AC40SISO	Ant1	5710	0.58	0.64	90.63
11AC80SISO	Ant1	5690	0.29	0.35	82.86

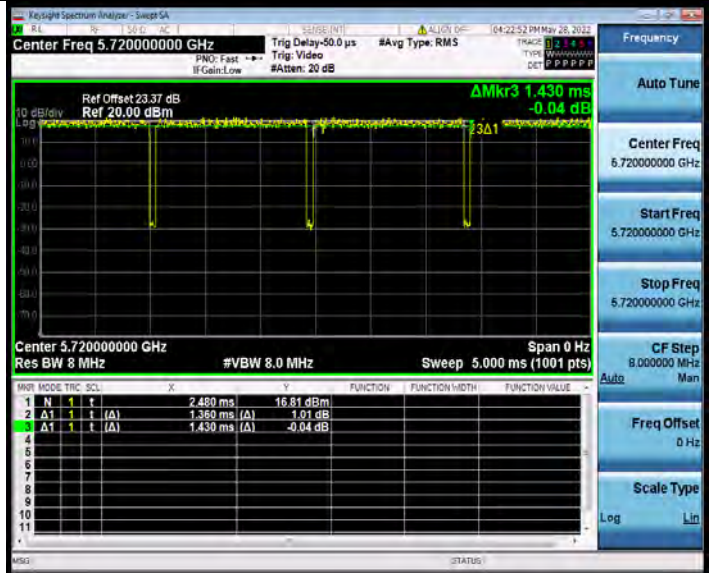


BUREAU VERITAS

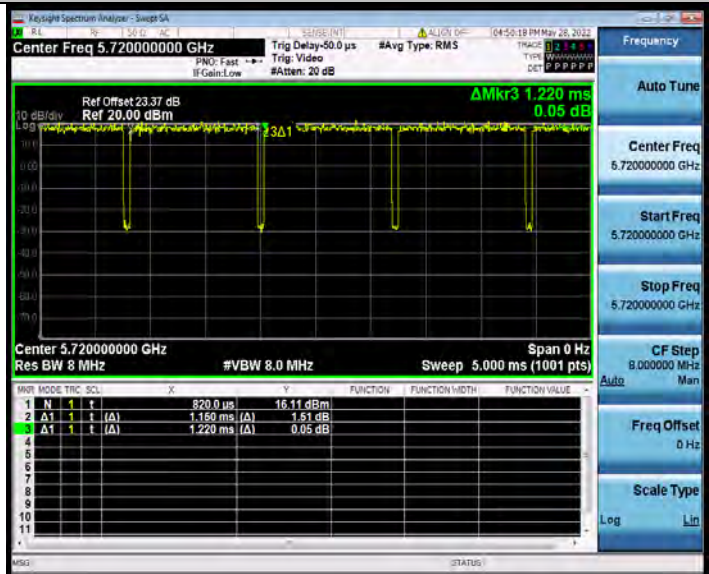
Test Report No.: W7L-P22090011RF03

### TEST GRAPHS

11A\_Ant1\_5720



11N20SISO\_Ant1\_5720

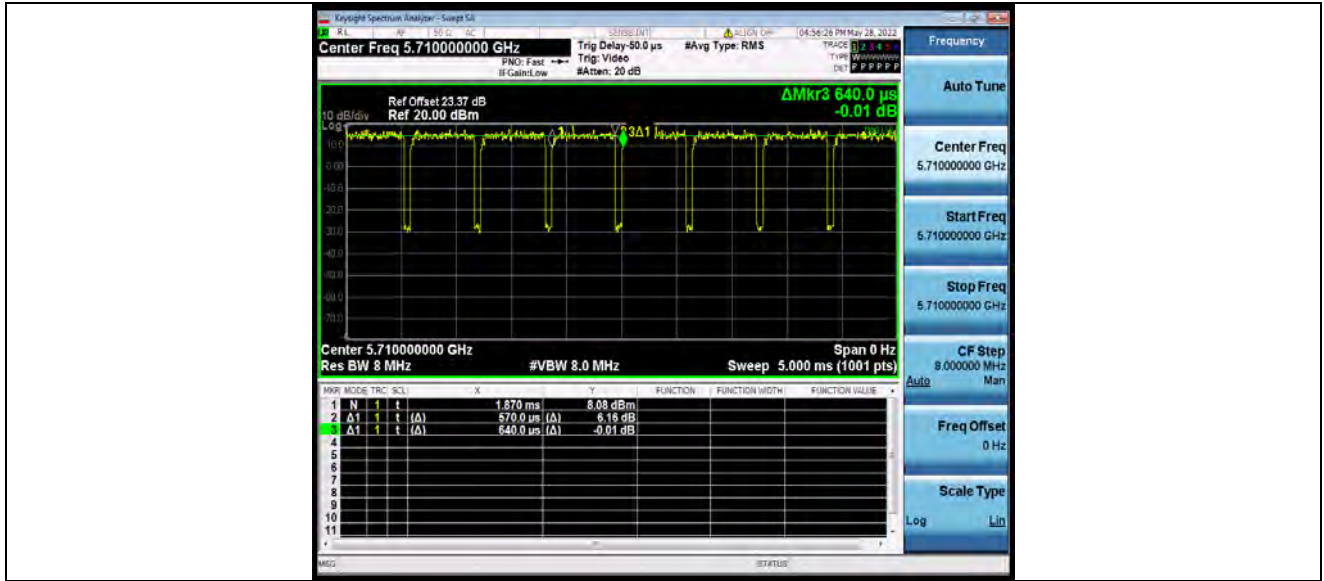


11N40SISO\_Ant1\_5710

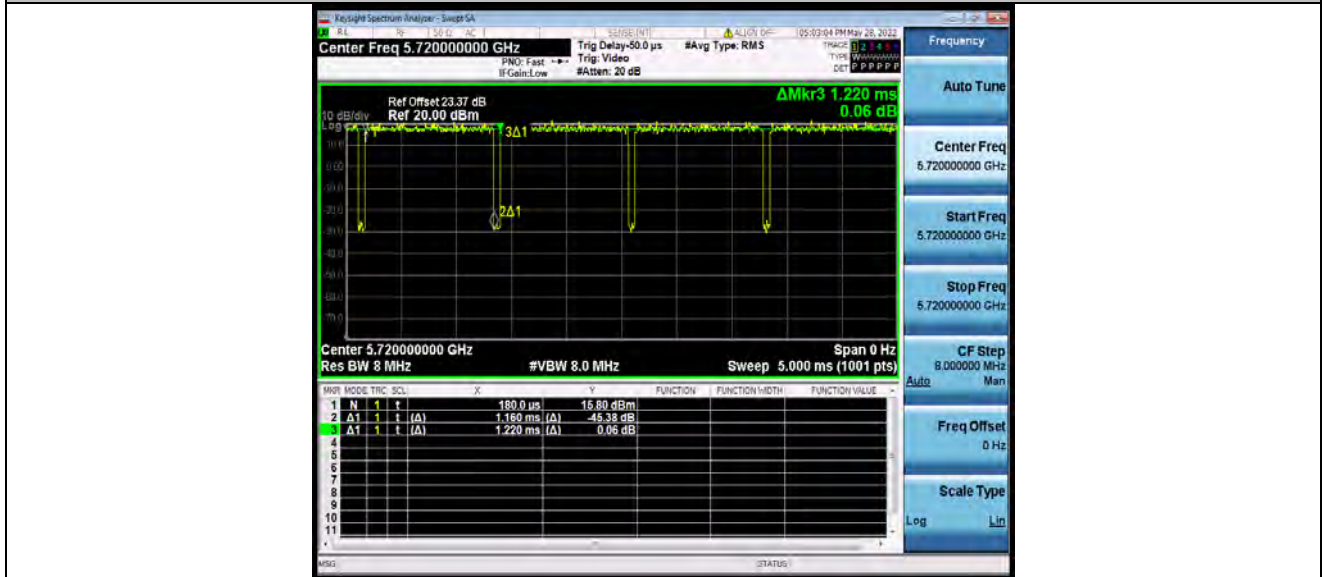


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5720

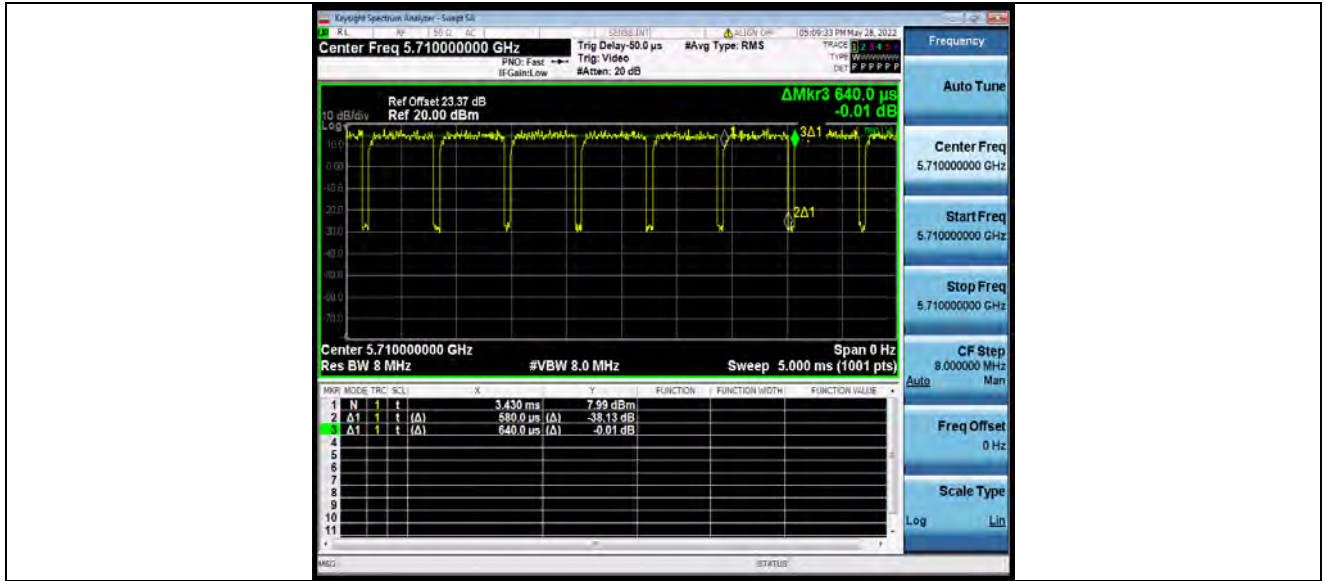


11AC40SISO\_Ant1\_5710

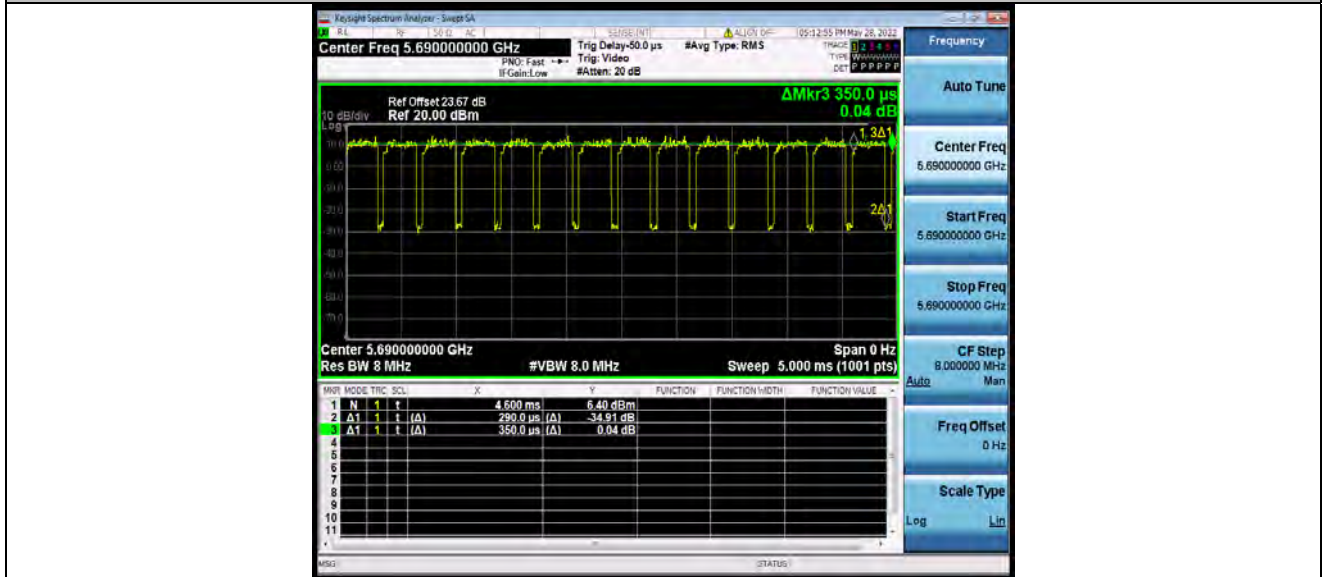


BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5690





**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P22090011RF03**





### MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5720_UNII-2C	3.92	≤11.00	PASS
		5720_UNII-3	0.77	≤30.00	PASS
11N20SISO	Ant1	5720_UNII-2C	3.15	≤11.00	PASS
		5720_UNII-3	0.44	≤30.00	PASS
11N40SISO	Ant1	5710_UNII-2C	-0.14	≤11.00	PASS
		5710_UNII-3	-4.06	≤30.00	PASS
11AC20SISO	Ant1	5720_UNII-2C	3.1	≤11.00	PASS
		5720_UNII-3	0.12	≤30.00	PASS
11AC40SISO	Ant1	5710_UNII-2C	-0.38	≤11.00	PASS
		5710_UNII-3	-4.08	≤30.00	PASS
11AC80SISO	Ant1	5690_UNII-2C	-3.21	≤11.00	PASS
		5690_UNII-3	-7.06	≤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.



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03

### TEST GRAPHS

11A\_Ant1\_5720\_UNII-2C



11A\_Ant1\_5720\_UNII-3

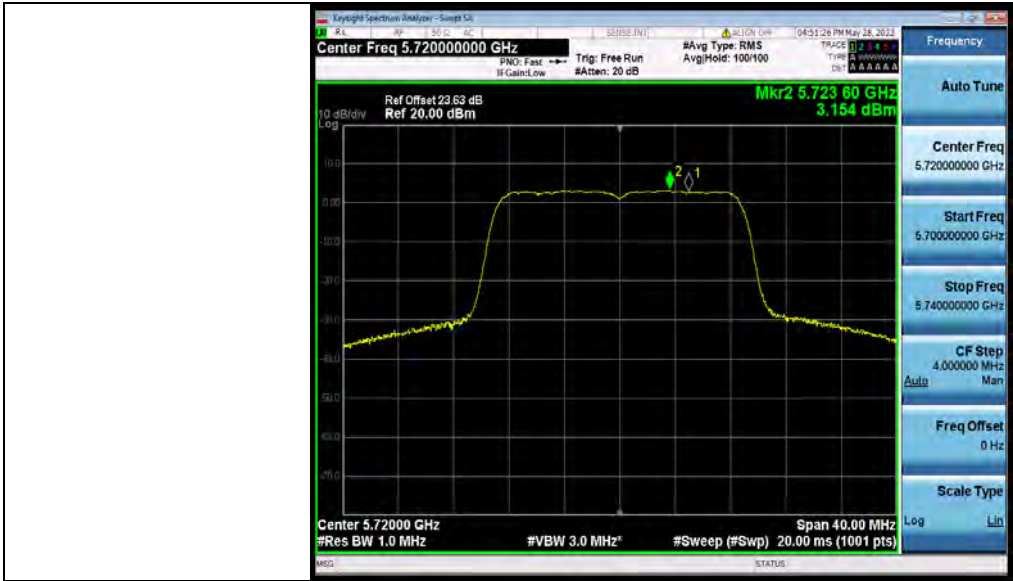


11N20SISO\_Ant1\_5720\_UNII-2C



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Test Report No.: W7L-P22090011RF03



11N20SISO\_Ant1\_5720\_UNII-3



11N40SISO\_Ant1\_5710\_UNII-2C



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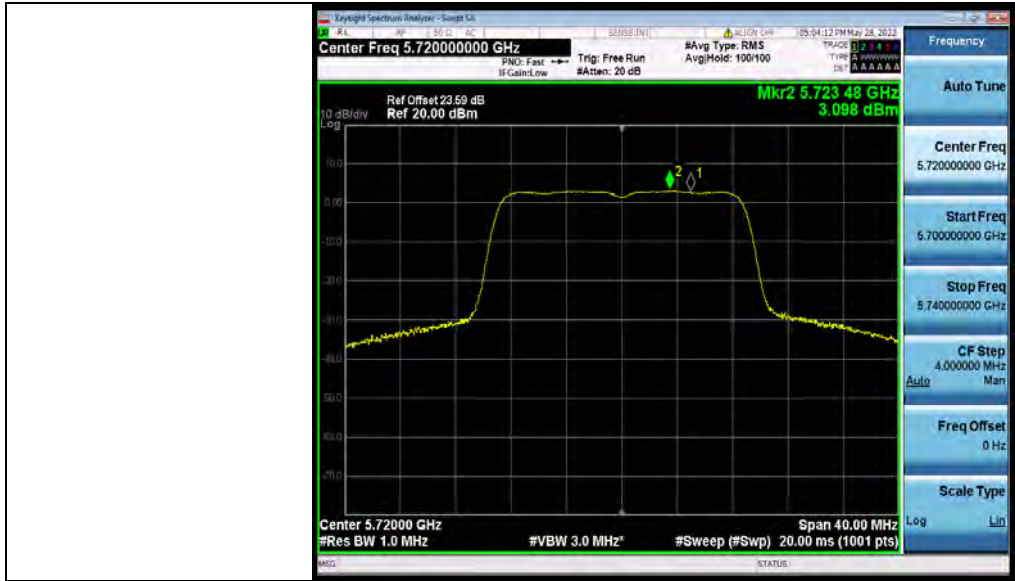
Test Report No.: W7L-P22090011RF03





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Test Report No.: W7L-P22090011RF03



11AC20SISO\_Ant1\_5720\_UNII-3



11AC40SISO\_Ant1\_5710\_UNII-2C



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11AC40SISO\_Ant1\_5710\_UNII-3



11AC80SISO\_Ant1\_5690\_UNII-2C



BUREAU VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO\_Ant1\_5690\_UNII-3

