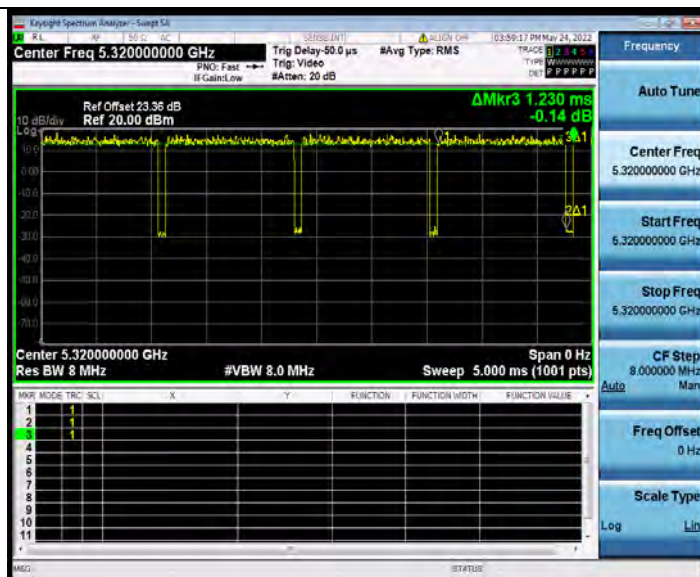


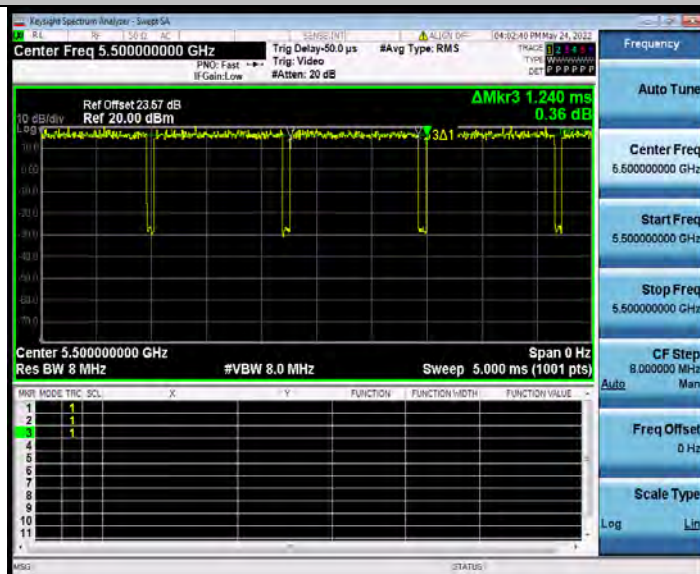


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11AC20SISO_Ant1_5500

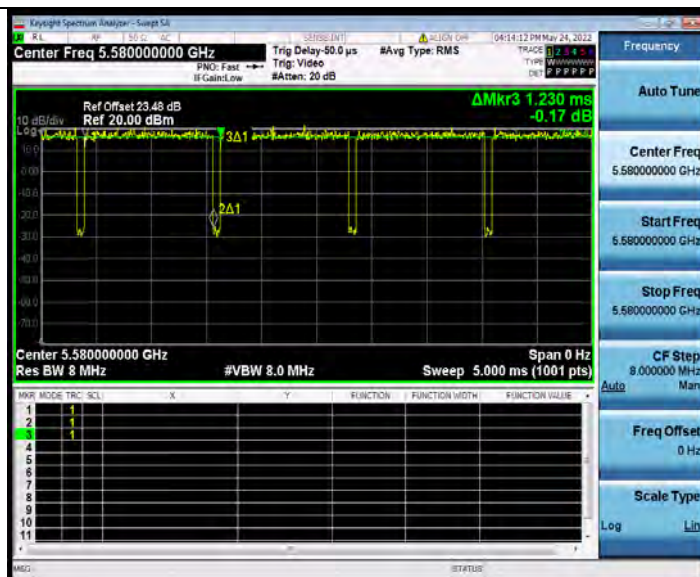


11AC20SISO_Ant1_5580

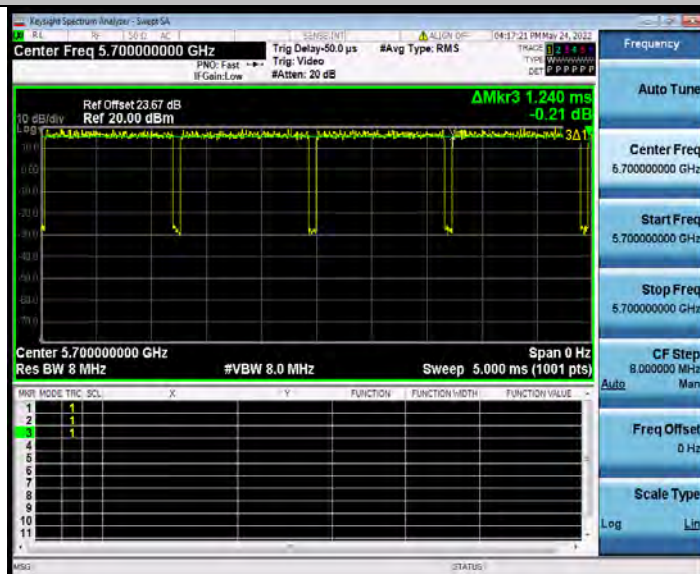


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VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO_Ant1_5700

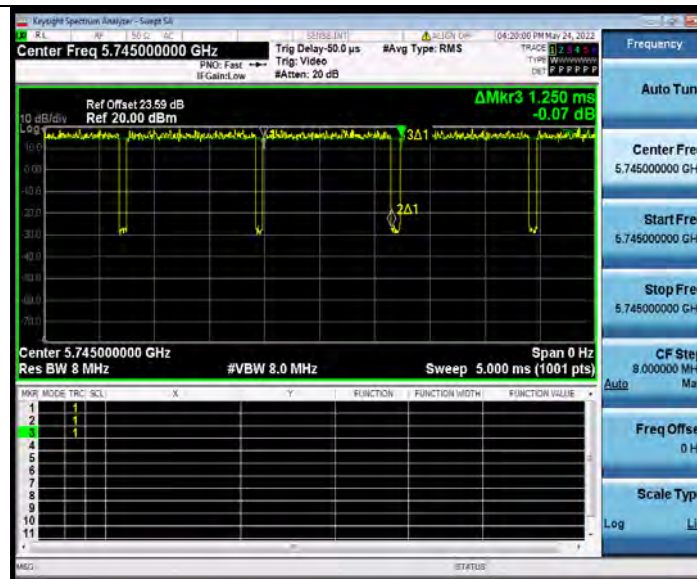


11AC20SISO_Ant1_5745

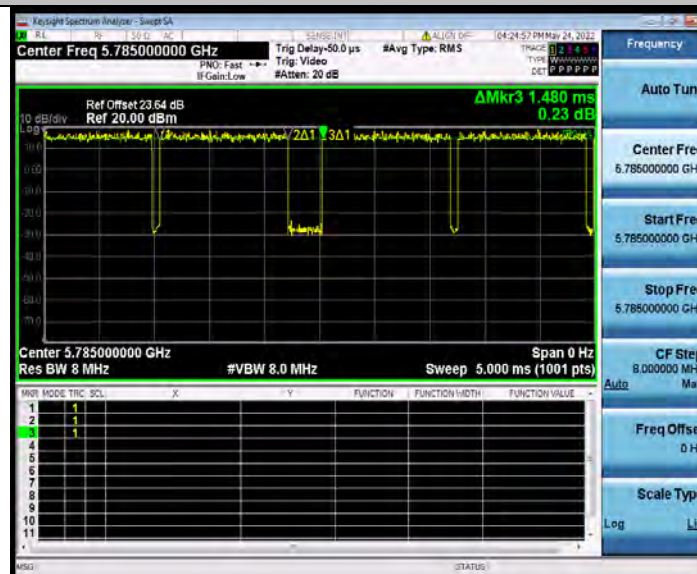


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO_Ant1_5785

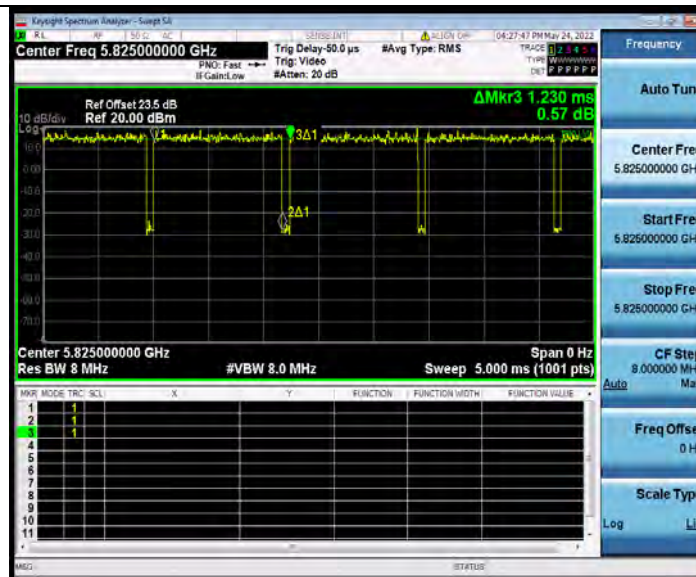


11AC20SISO_Ant1_5825

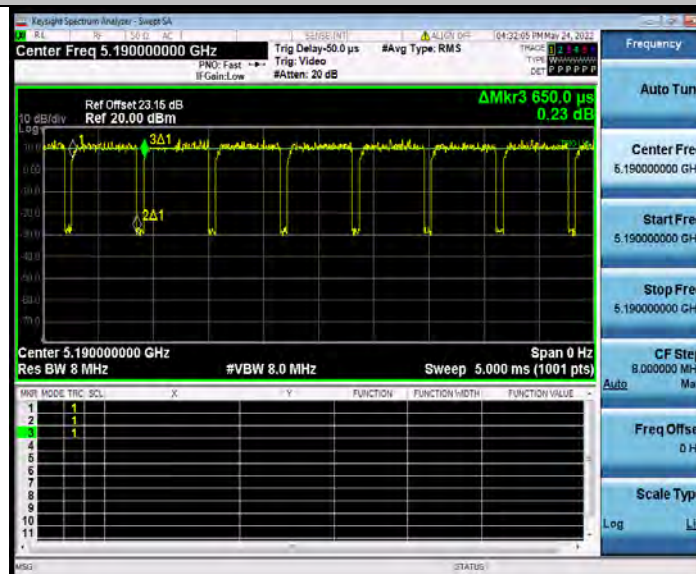


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5190



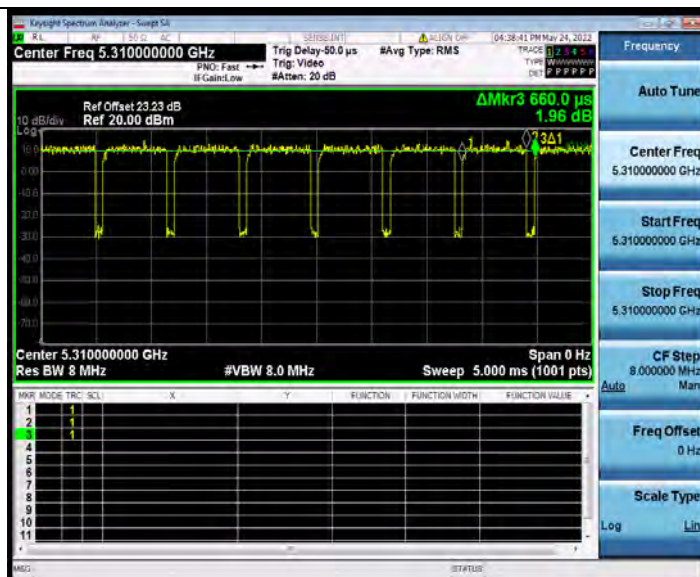
11AC40SISO_Ant1_5230



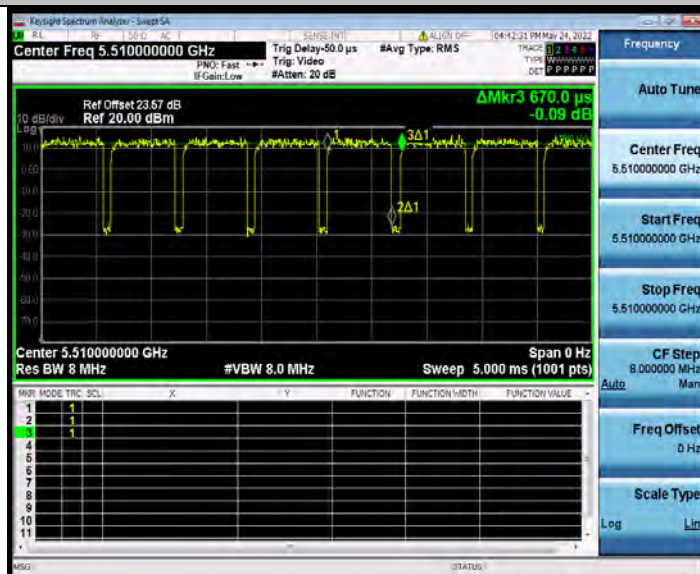


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5510

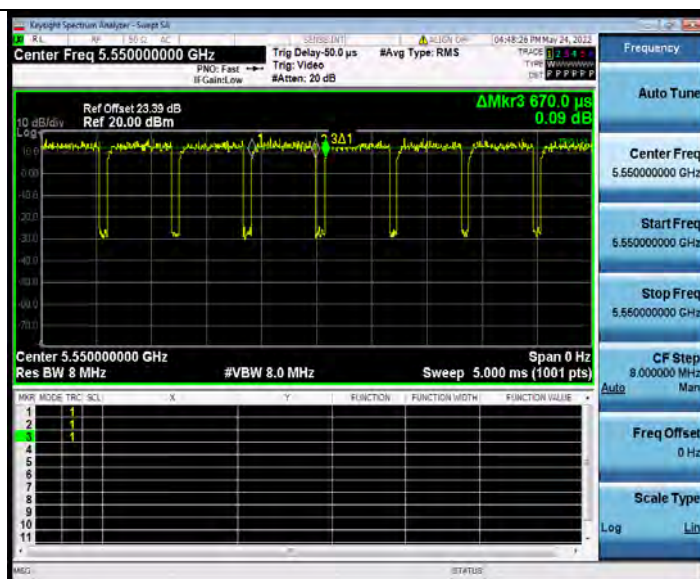


11AC40SISO_Ant1_5550

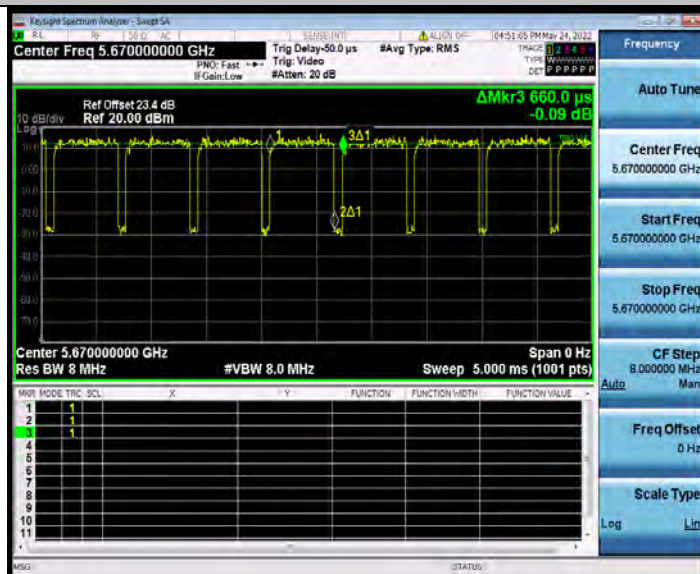


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5670

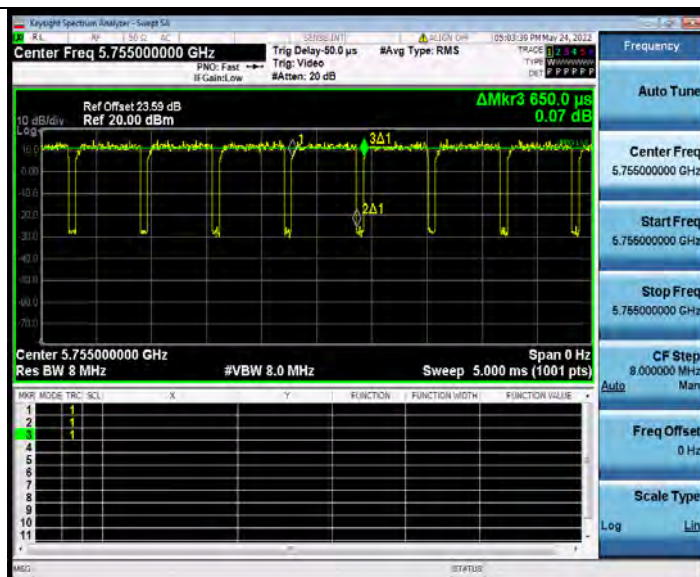


11AC40SISO_Ant1_5755

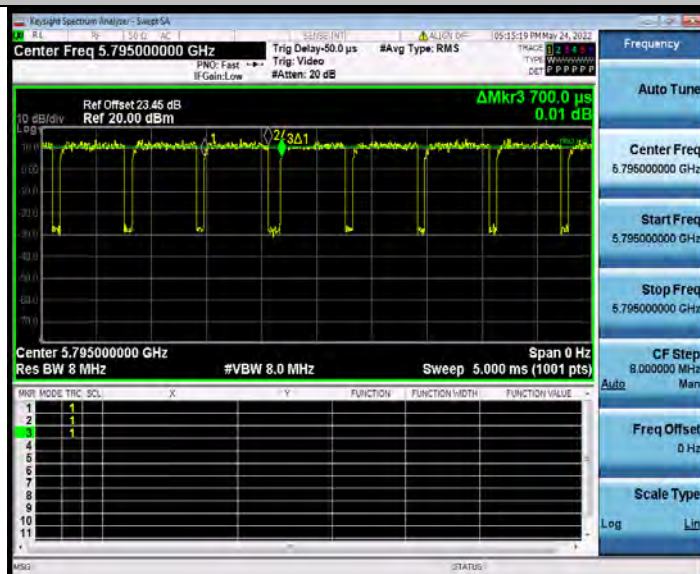


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5795

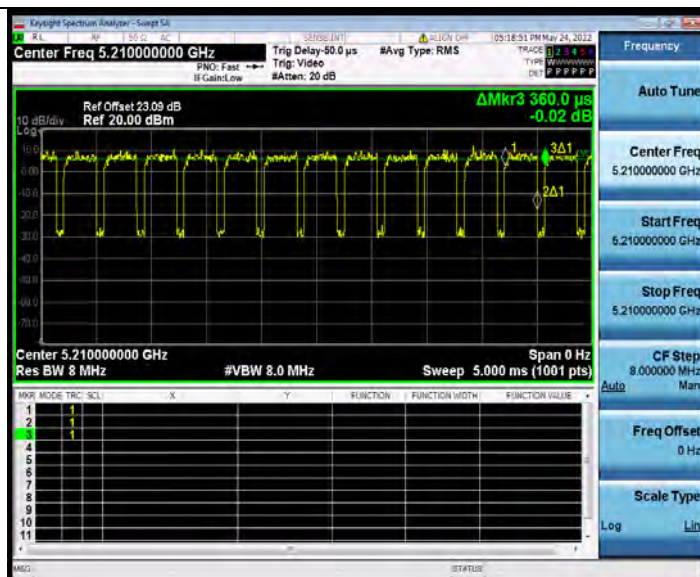


11AC80SISO_Ant1_5210

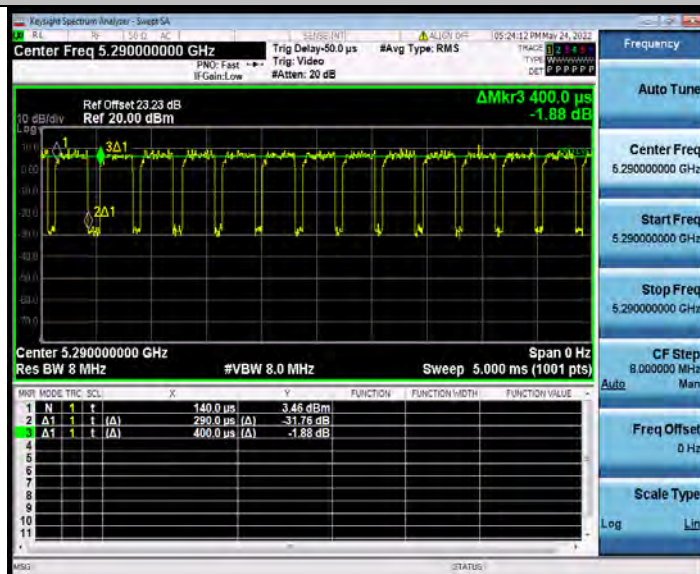


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5290

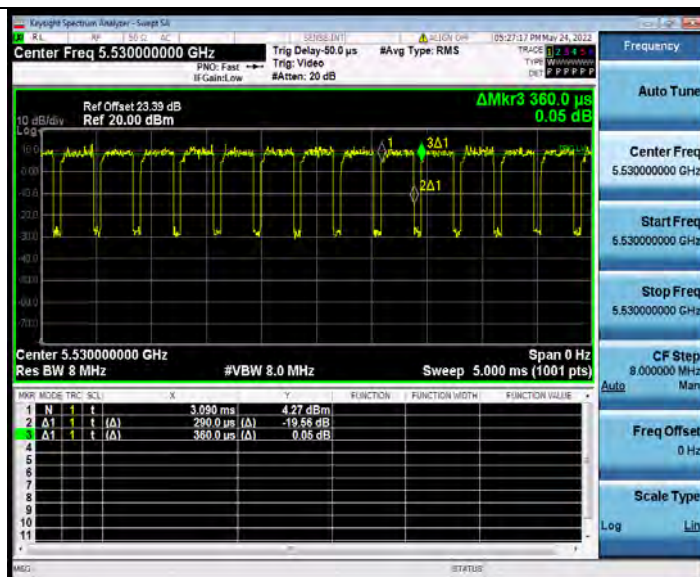


11AC80SISO_Ant1_5530

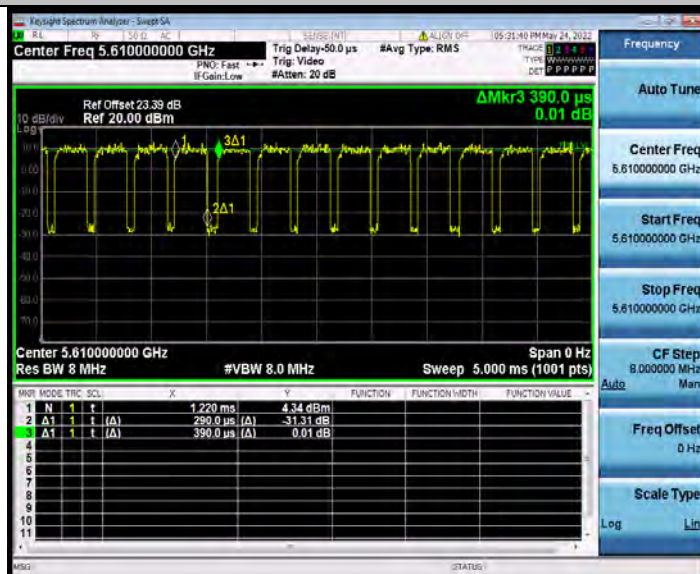


BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5610

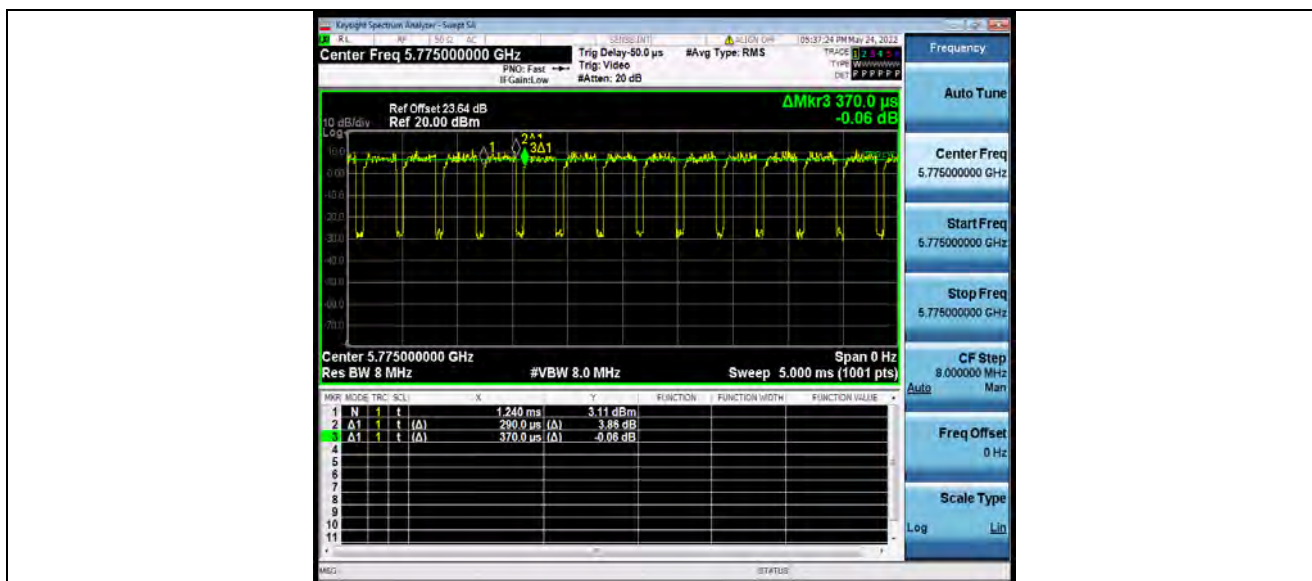


11AC80SISO_Ant1_5775



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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.

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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Test Report No.: W7L-P22090011RF03



11A_Ant1_5260



11A_Ant1_5300



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Test Report No.: W7L-P22090011RF03



11A_Ant1_5320



11A_Ant1_5500



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Test Report No.: W7L-P22090011RF03



11A_Ant1_5580



11A_Ant1_5700



BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11A_Ant1_5745



11A_Ant1_5785



BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11A_Ant1_5825



11N20SISO_Ant1_5180



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Test Report No.: W7L-P22090011RF03



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



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Test Report No.: W7L-P22090011RF03



11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



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Test Report No.: W7L-P22090011RF03



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



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Test Report No.: W7L-P22090011RF03



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



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Test Report No.: W7L-P22090011RF03



11N20SISO_Ant1_5745

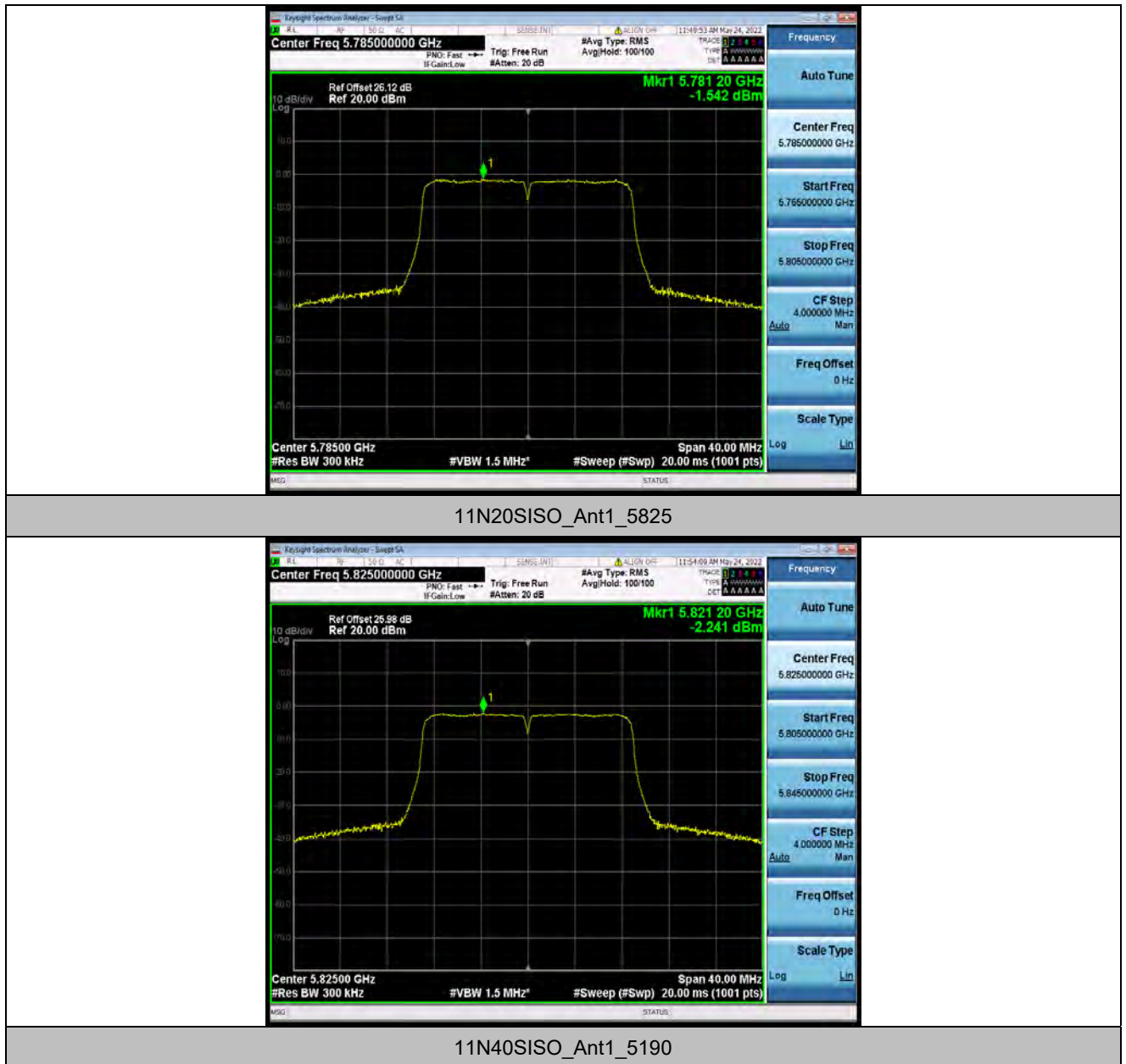


11N20SISO_Ant1_5785



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Test Report No.: W7L-P22090011RF03





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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



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Test Report No.: W7L-P22090011RF03



11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



Test Report No.: W7L-P22090011RF03



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



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Test Report No.: W7L-P22090011RF03





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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



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Test Report No.: W7L-P22090011RF03



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



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Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



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Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550



BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755

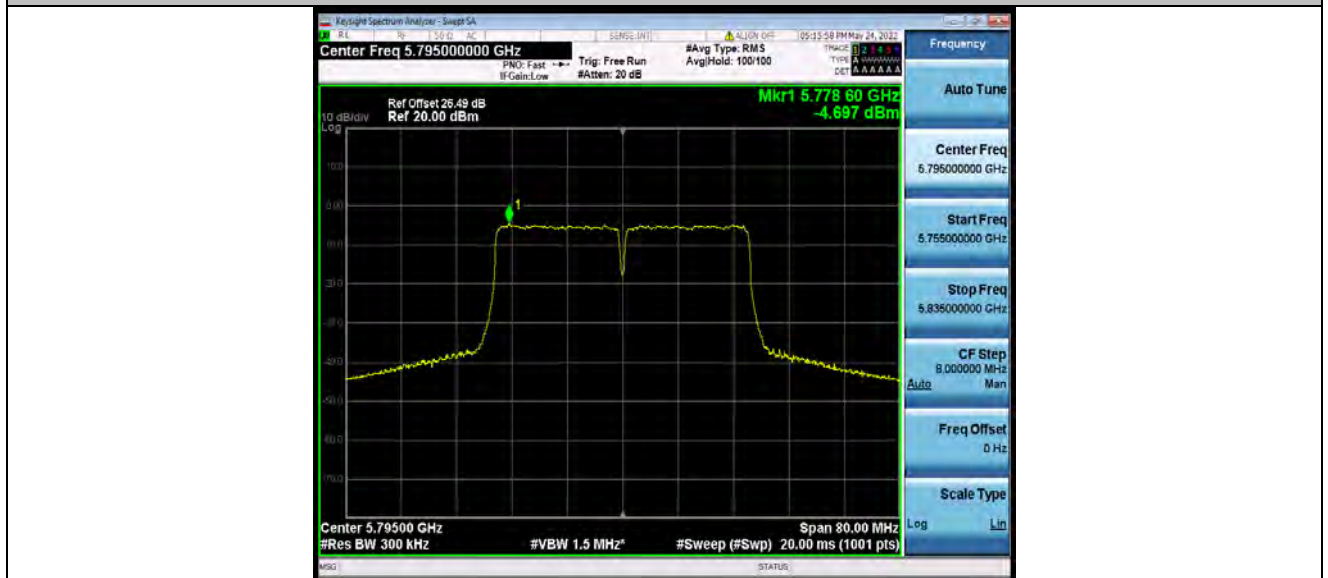


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Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



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Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



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Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775



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VERITAS

Test Report No.: W7L-P22090011RF03





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



BUREAU
VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO_Ant1_5720



11AC40SISO_Ant1_5710



Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5690



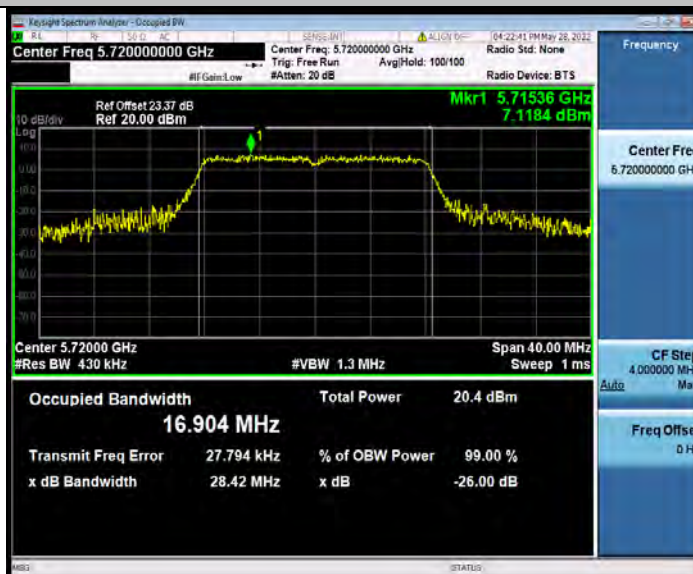
OCCUPIED CHANNEL BANDWIDTH

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

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



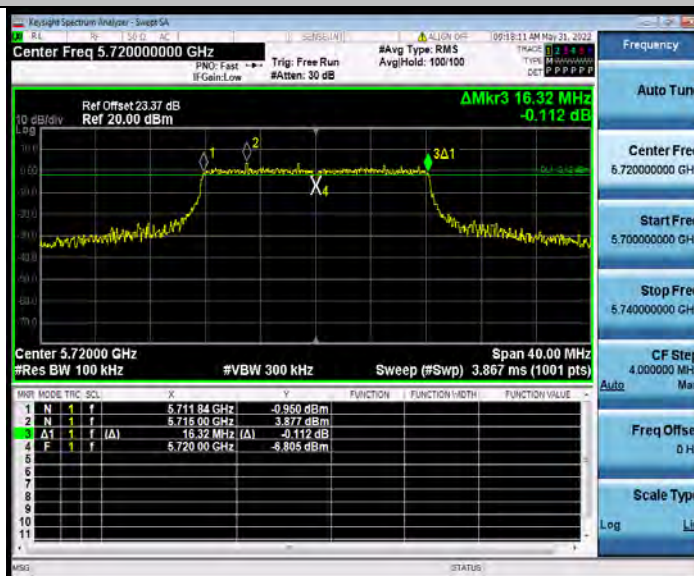
MIN EMISSION BANDWIDTH

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

TEST GRAPHS B4

11A_Ant1_5720_UNII-3



11N20SISO_Ant1_5720_UNII-3

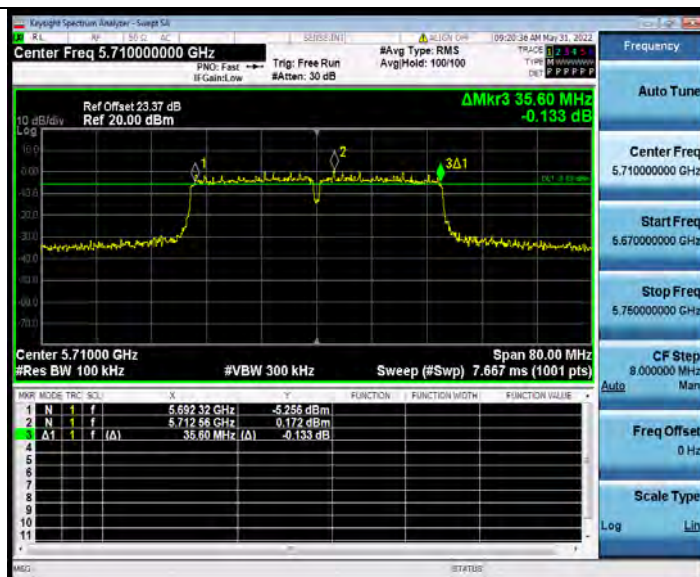


11N40SISO_Ant1_5710_UNII-3



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11AC20SISO_Ant1_5720_UNII-3



11AC40SISO_Ant1_5710_UNII-3



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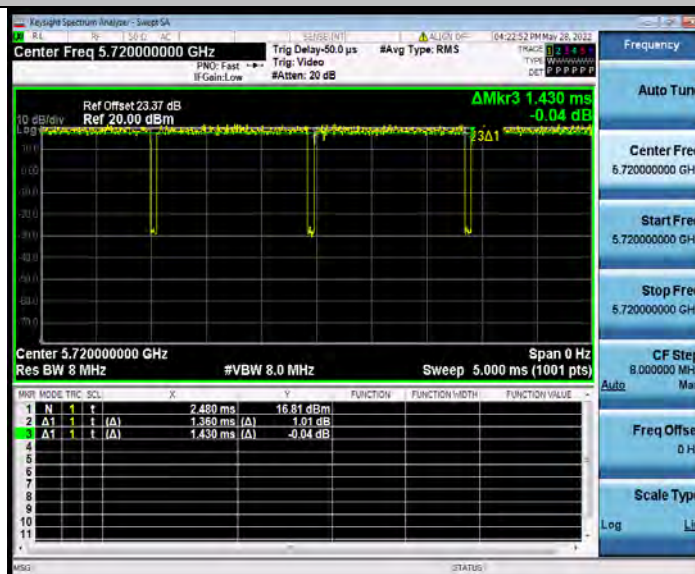
DUTY CYCLE

TEST RESULT

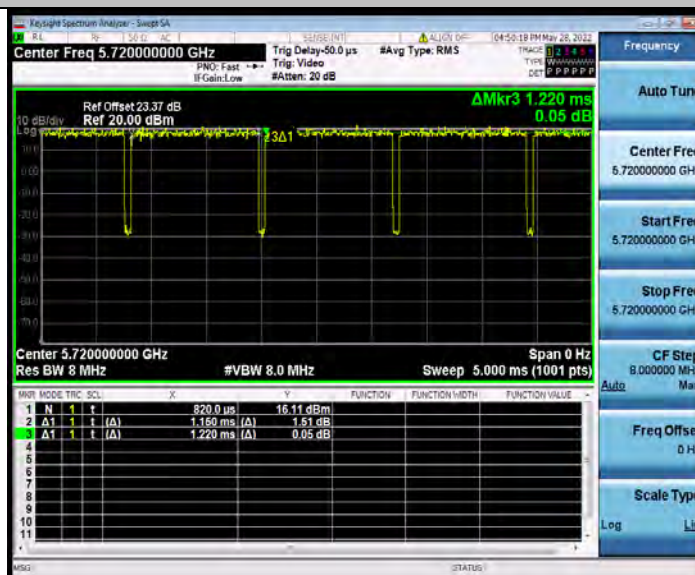
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5720	1.36	1.43	95.10
11N20SISO	Ant1	5720	1.15	1.22	94.26
11N40SISO	Ant1	5710	0.57	0.64	89.06
11AC20SISO	Ant1	5720	1.16	1.22	95.08
11AC40SISO	Ant1	5710	0.58	0.64	90.63
11AC80SISO	Ant1	5690	0.29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

TEST GRAPHS

11A_Ant1_5720



11N20SISO_Ant1_5720

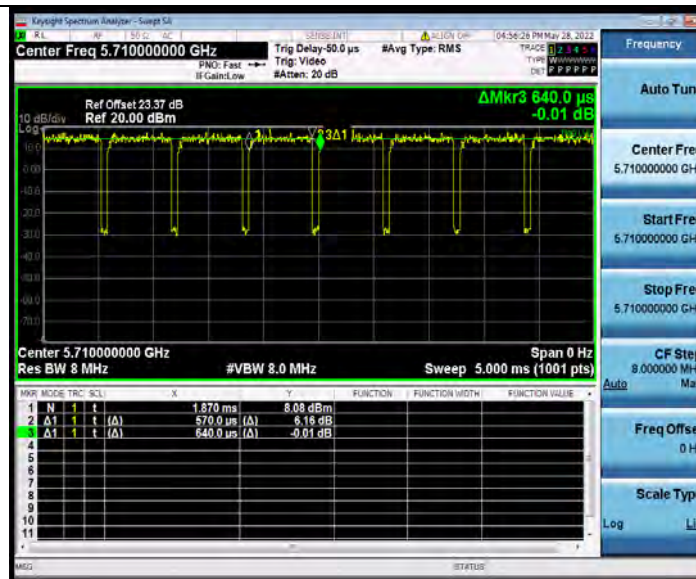


11N40SISO_Ant1_5710

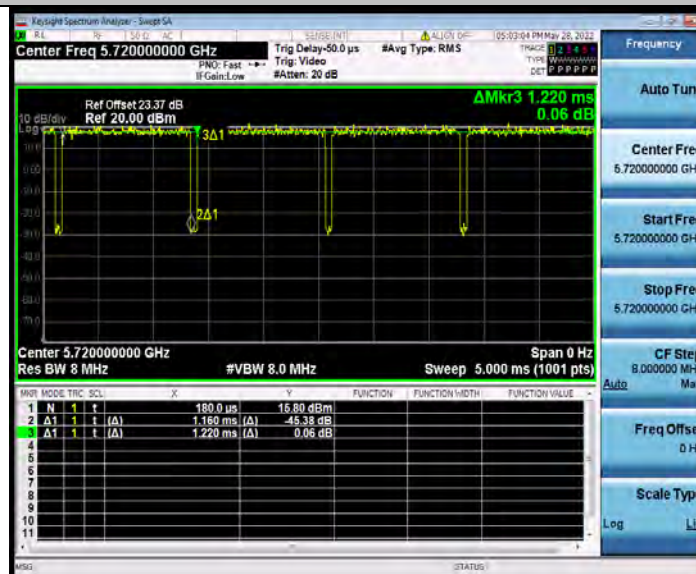


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11AC20SISO_Ant1_5720



11AC40SISO_Ant1_5710



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Test Report No.: W7L-P22090011RF03



11AC80SISO_Ant1_5690



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.



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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



11N40SISO_Ant1_5710_UNII-3



11AC20SISO_Ant1_5720_UNII-2C



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VERITAS

Test Report No.: W7L-P22090011RF03



11AC20SISO_Ant1_5720_UNII-3



11AC40SISO_Ant1_5710_UNII-2C



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VERITAS

Test Report No.: W7L-P22090011RF03



11AC40SISO_Ant1_5710_UNII-3



11AC80SISO_Ant1_5690_UNII-2C



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VERITAS

Test Report No.: W7L-P22090011RF03

