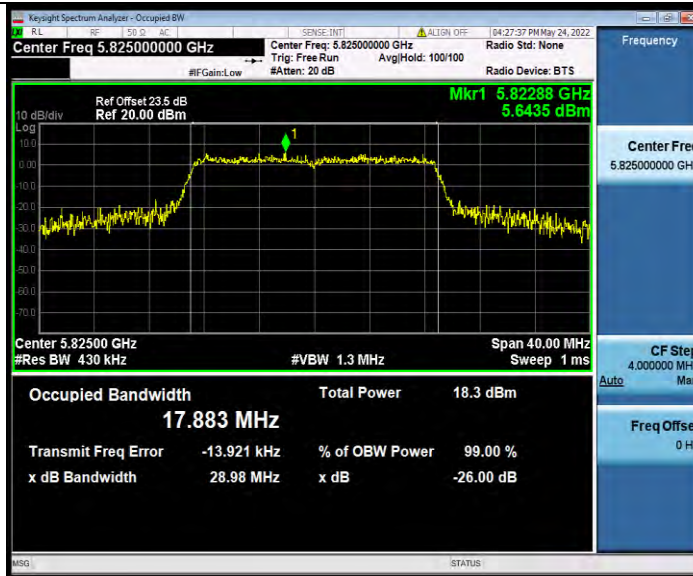


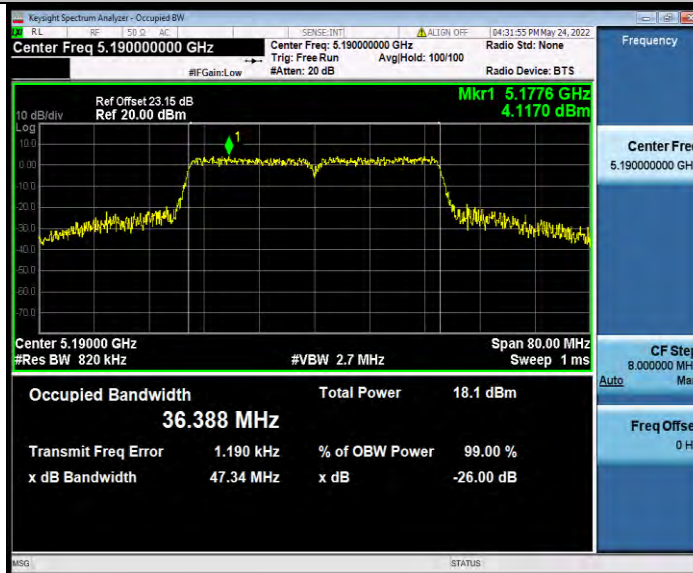


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11AC40SISO_Ant1_5190

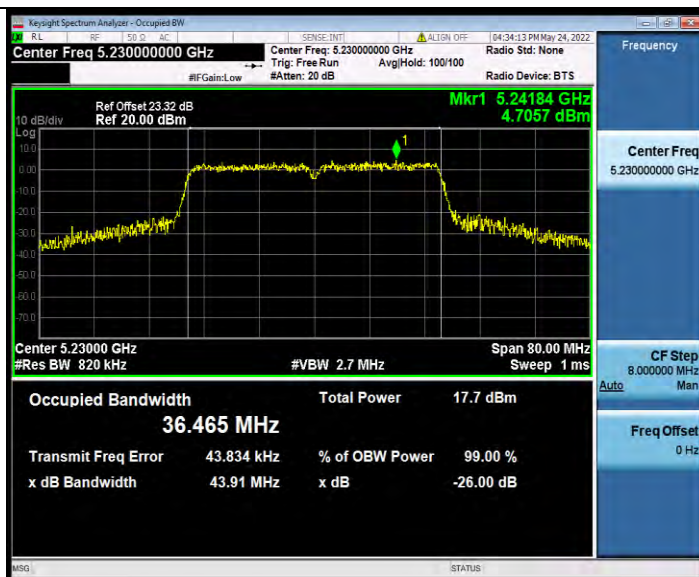


11AC40SISO_Ant1_5230

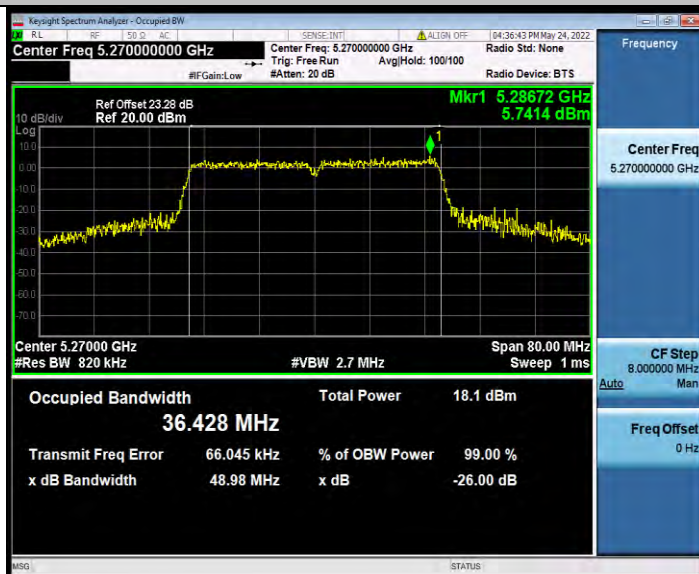


BUREAU
VERITAS

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11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

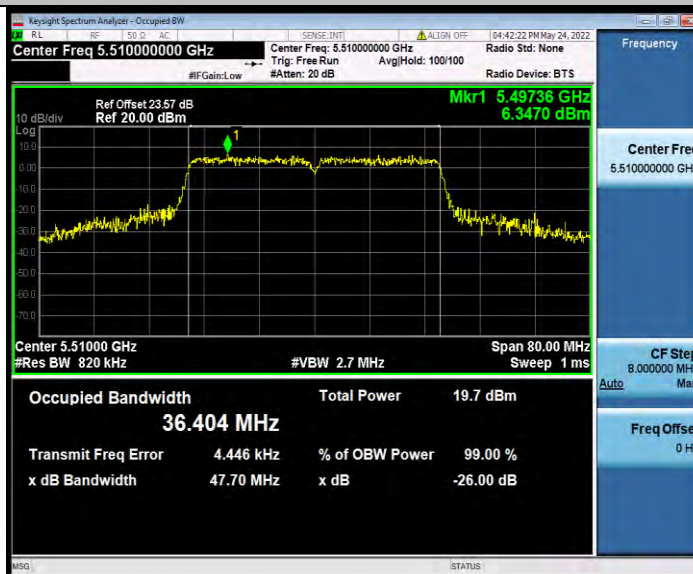


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VERITAS

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11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550

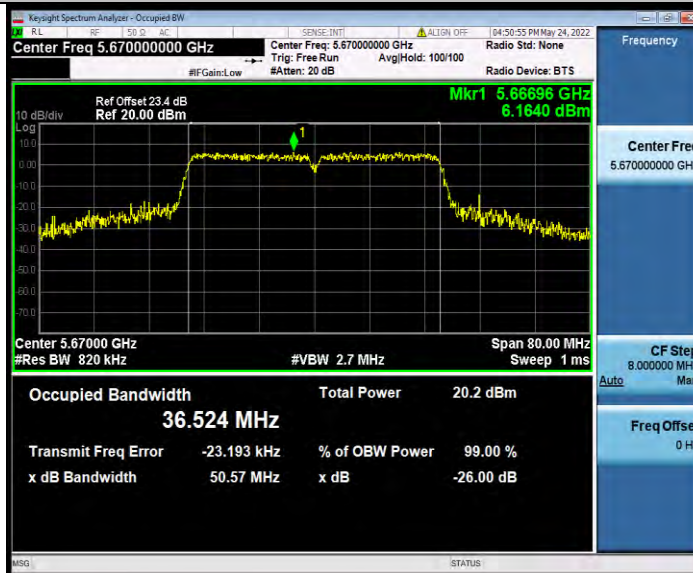


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VERITAS

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11AC40SISO_Ant1_5670

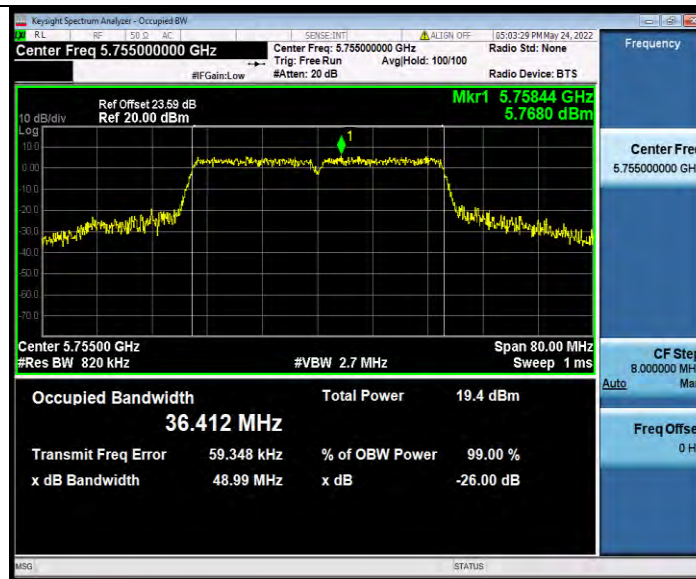


11AC40SISO_Ant1_5755

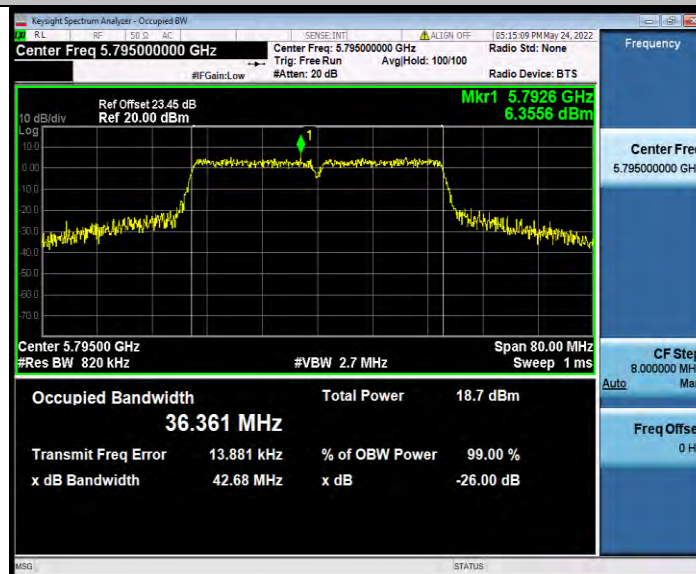


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11AC40SISO_Ant1_5795

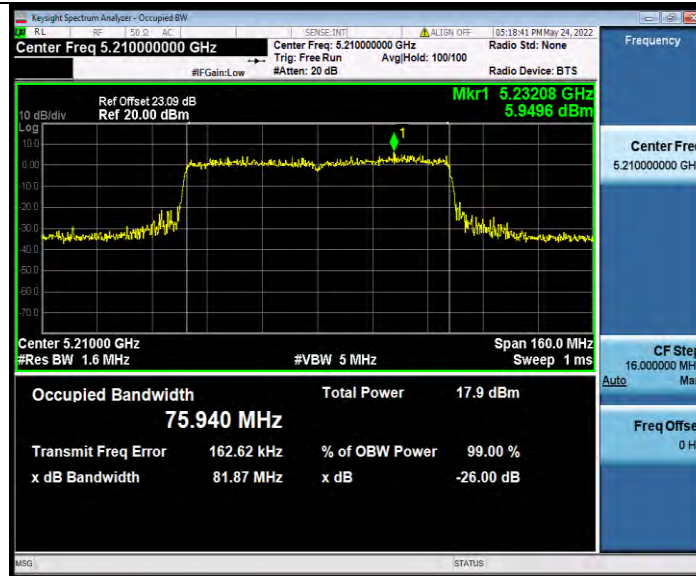


11AC80SISO_Ant1_5210

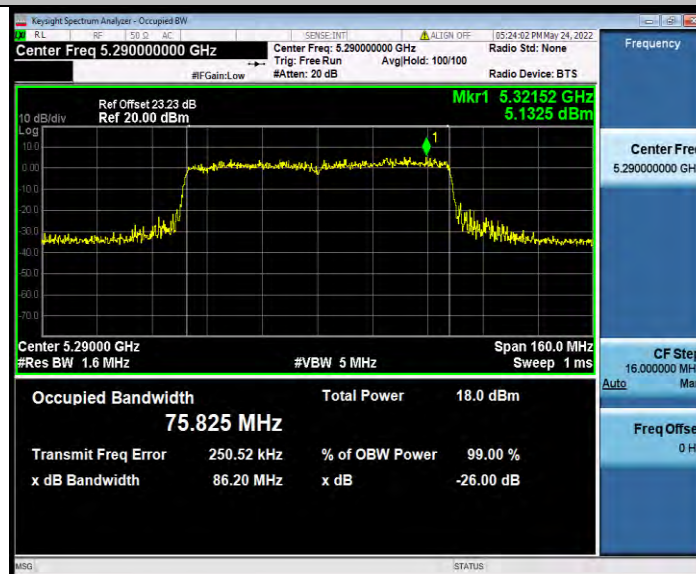


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

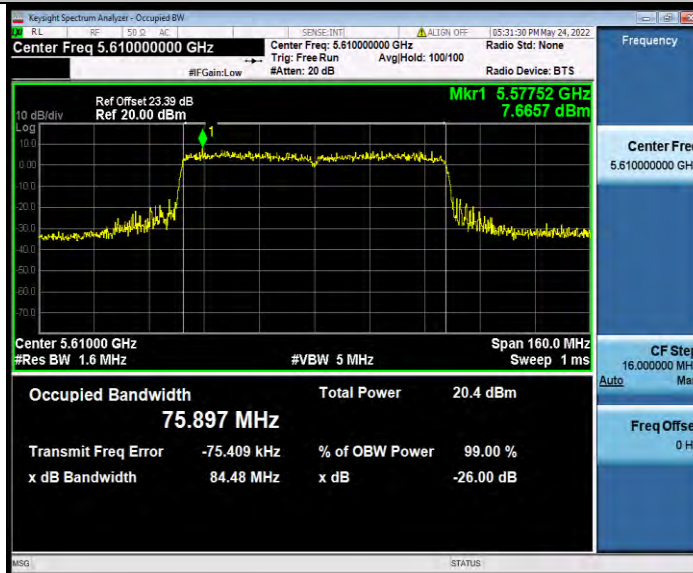


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VERITAS

Test Report No.: W7L-P22050003RF03



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775



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

TEST GRAPHS B4





BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11N20SISO_Ant1_5745



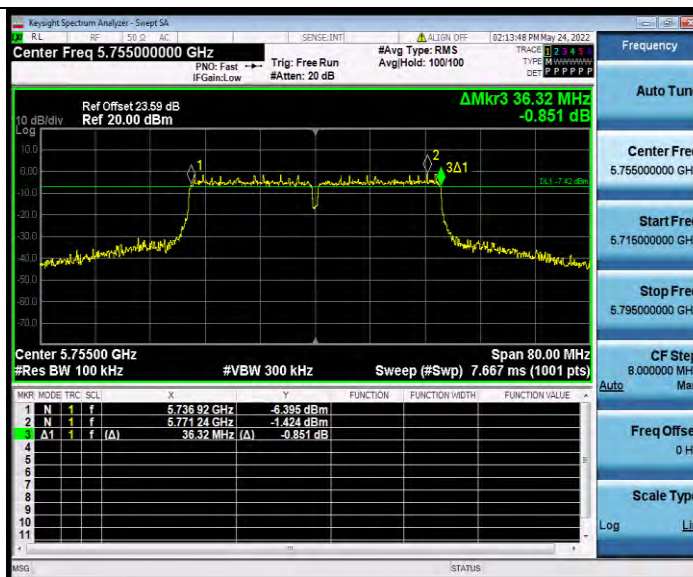
11N20SISO_Ant1_5785





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VERITAS

Test Report No.: W7L-P22050003RF03



11N40SISO_Ant1_5795

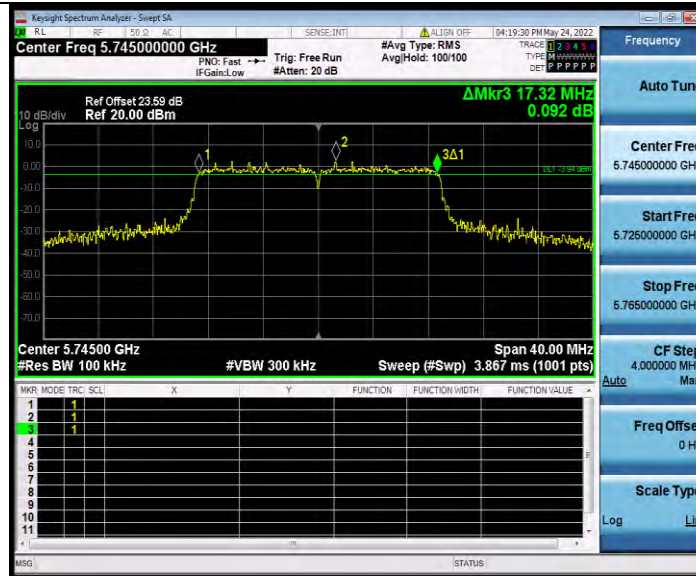


11AC20SISO_Ant1_5745

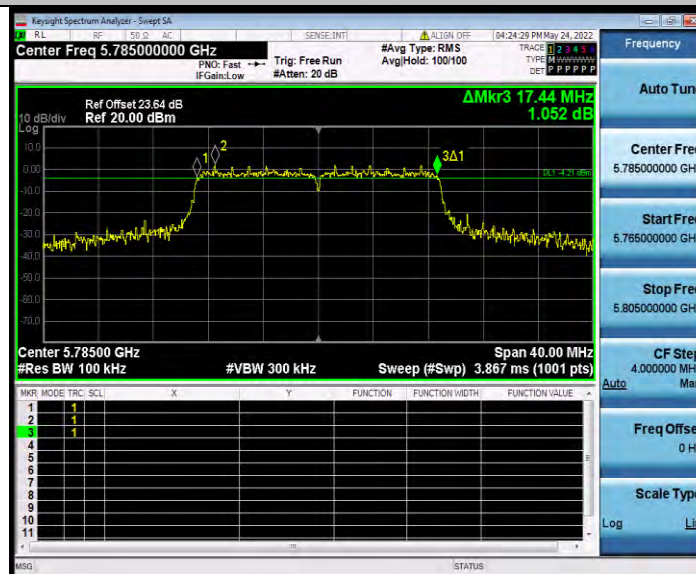


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11AC20SISO_Ant1_5785

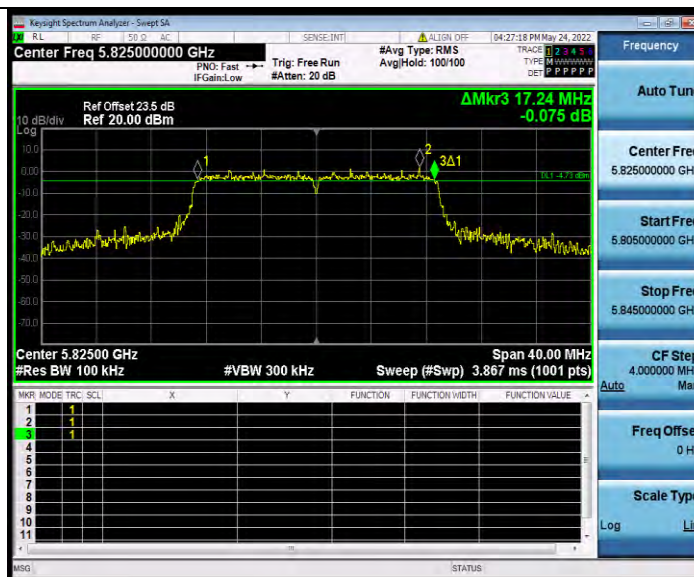


11AC20SISO_Ant1_5825

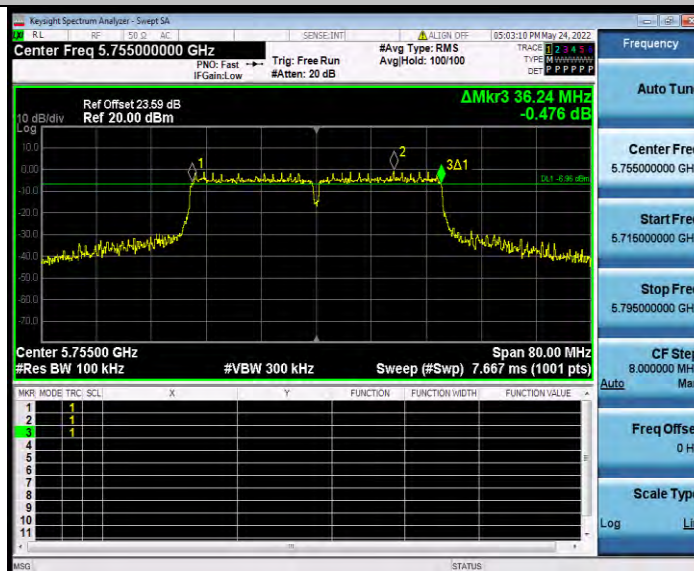


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VERITAS

Test Report No.: W7L-P22050003RF03



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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VERITAS

Test Report No.: W7L-P22050003RF03



DUTY CYCLE TEST RESULT

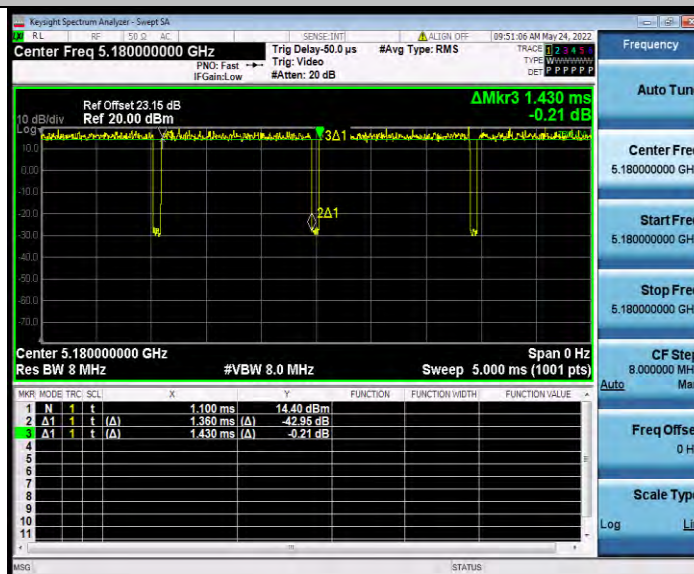
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.36	1.43	95.10
		5200	1.36	1.43	95.10
		5240	1.36	1.44	94.44
		5260	1.36	1.45	93.79
		5300	1.36	1.44	94.44
		5320	1.36	1.47	92.52
		5500	1.36	1.43	95.10
		5580	1.37	1.44	95.14
		5700	1.36	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



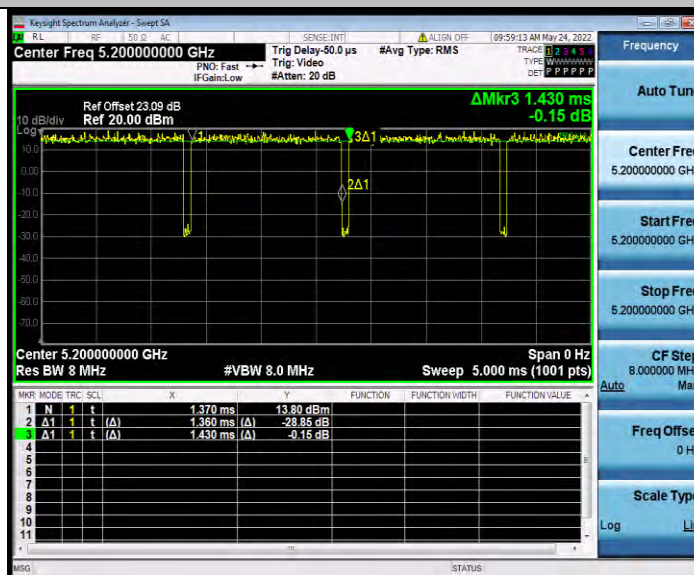
		5670	0.57	0.65	87.69
		5755	0.58	0.67	86.57
		5795	0.58	0.65	89.23
11AC20SISO	Ant1	5180	1.16	1.26	92.06
		5200	1.16	1.24	93.55
		5240	1.16	1.23	94.31
		5260	1.15	1.23	93.50
		5300	1.16	1.24	93.55
		5320	1.16	1.23	94.31
		5500	1.16	1.24	93.55
		5580	1.16	1.23	94.31
		5700	1.16	1.24	93.55
		5745	1.16	1.25	92.80
		5785	1.16	1.48	78.38
		5825	1.16	1.23	94.31
11AC40SISO	Ant1	5190	0.58	0.65	89.23
		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

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200

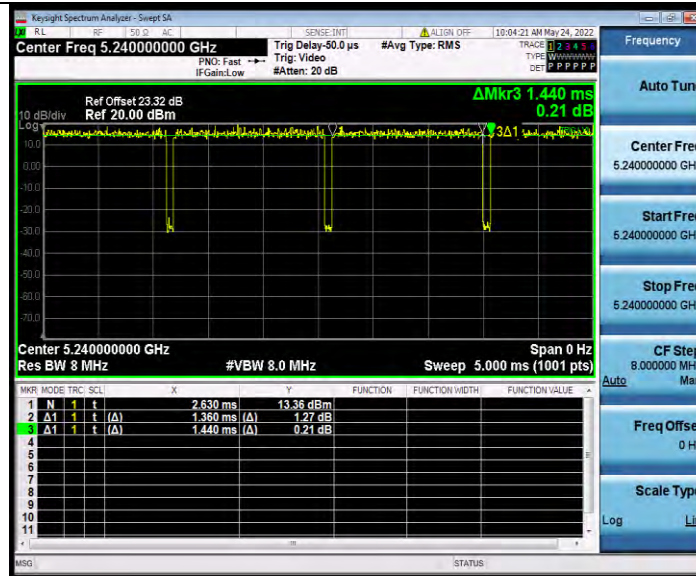


11A_Ant1_5240

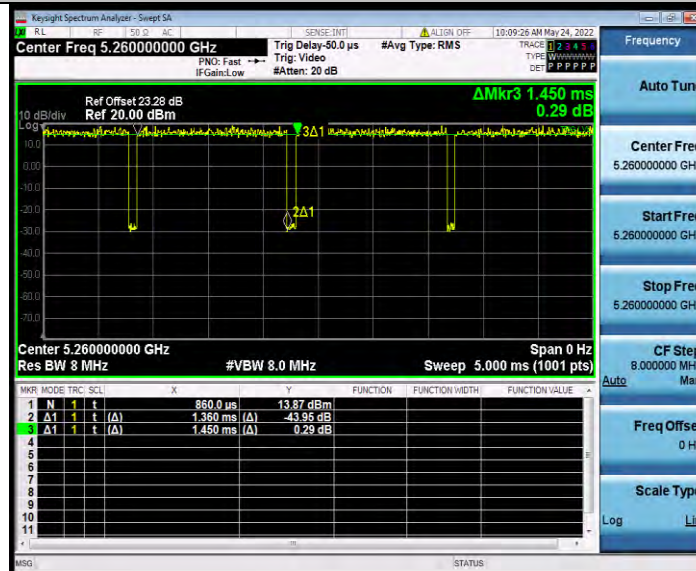


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11A_Ant1_5260

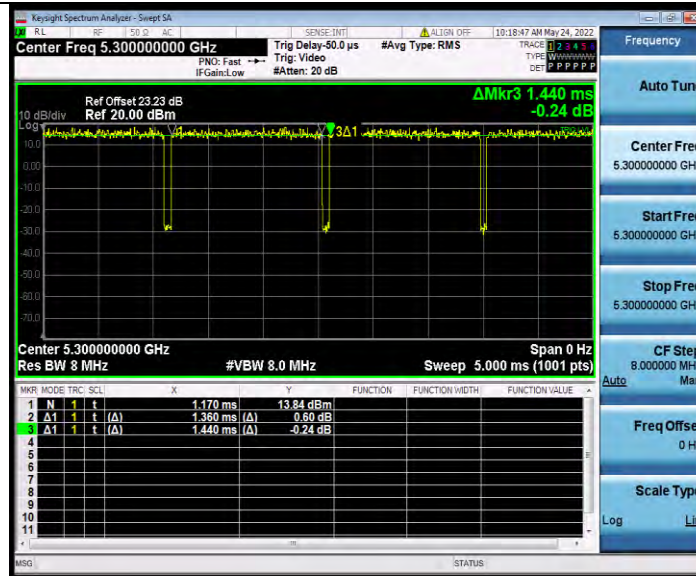


11A_Ant1_5300

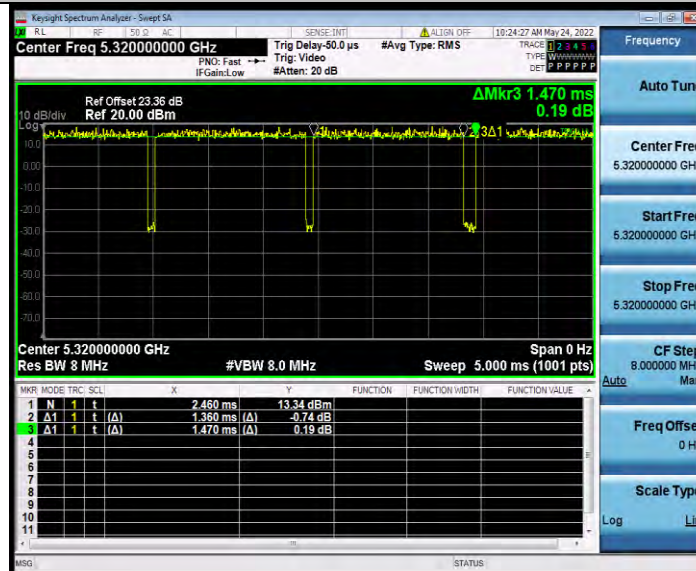


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11A_Ant1_5320

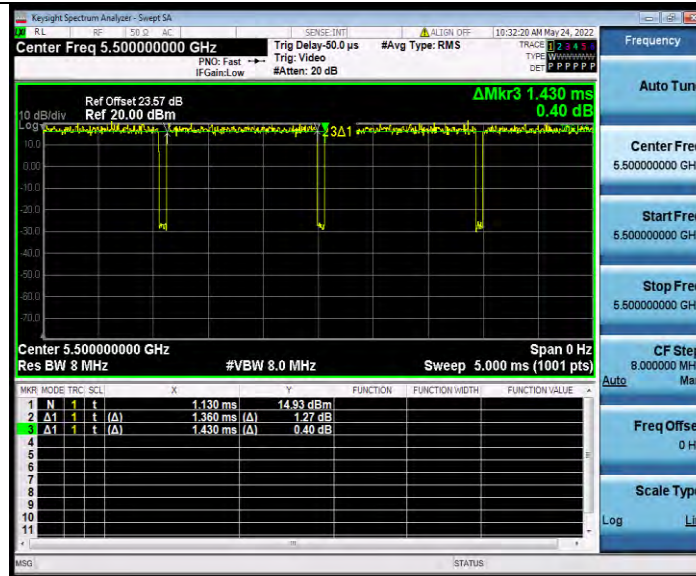


11A_Ant1_5500

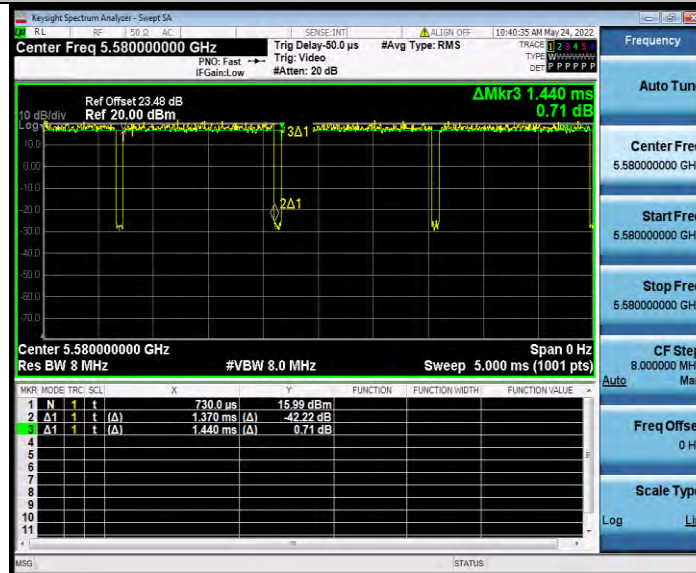


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11A_Ant1_5580

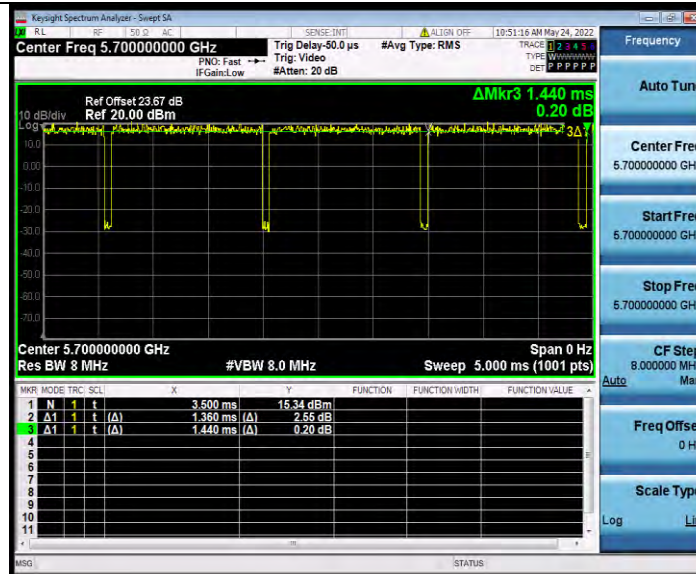


11A_Ant1_5700

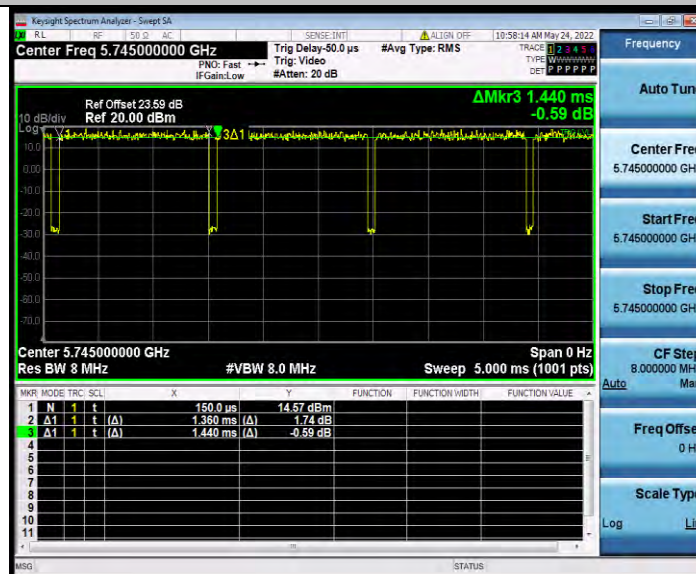


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VERITAS

Test Report No.: W7L-P22050003RF03



11A_Ant1_5745

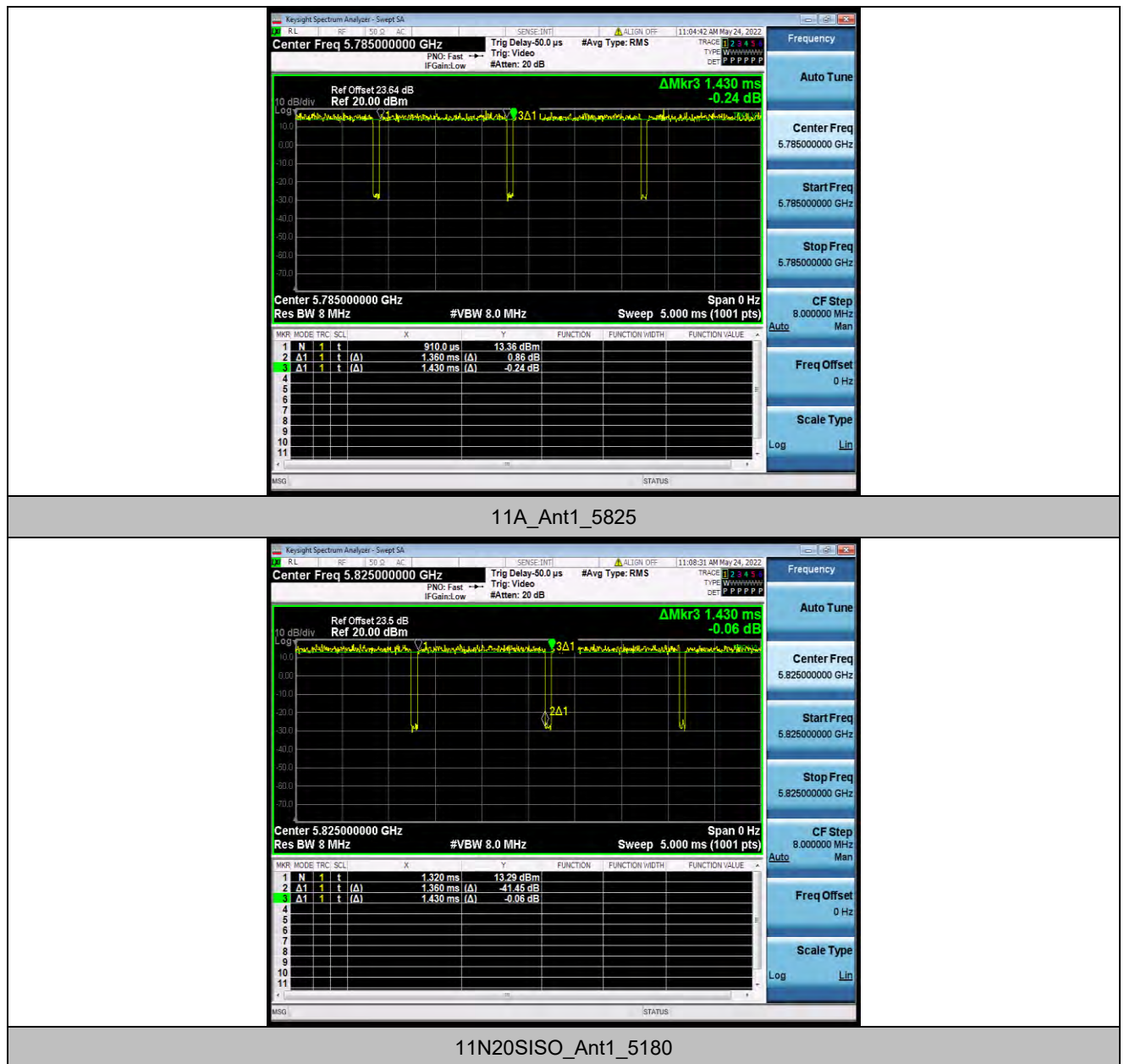


11A_Ant1_5785



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VERITAS

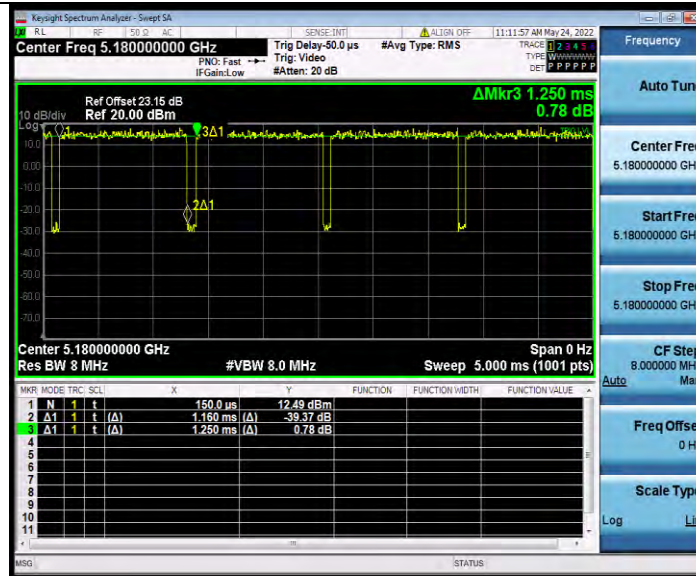
Test Report No.: W7L-P22050003RF03



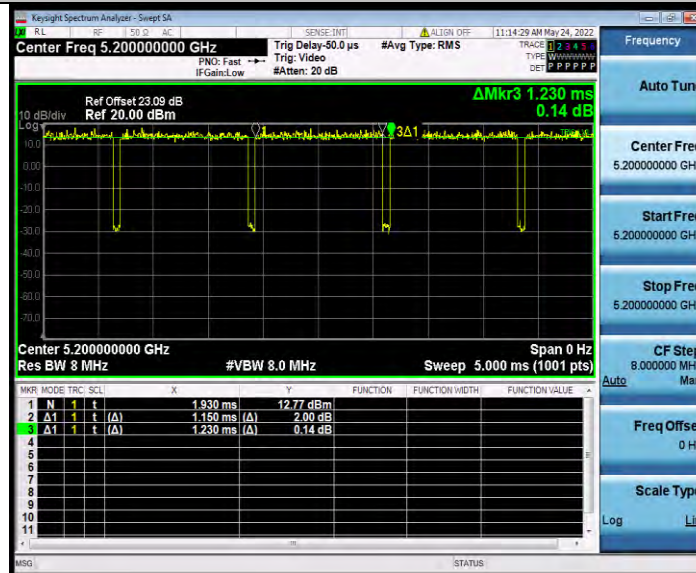


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Test Report No.: W7L-P22050003RF03



11N20SISO_Ant1_5200

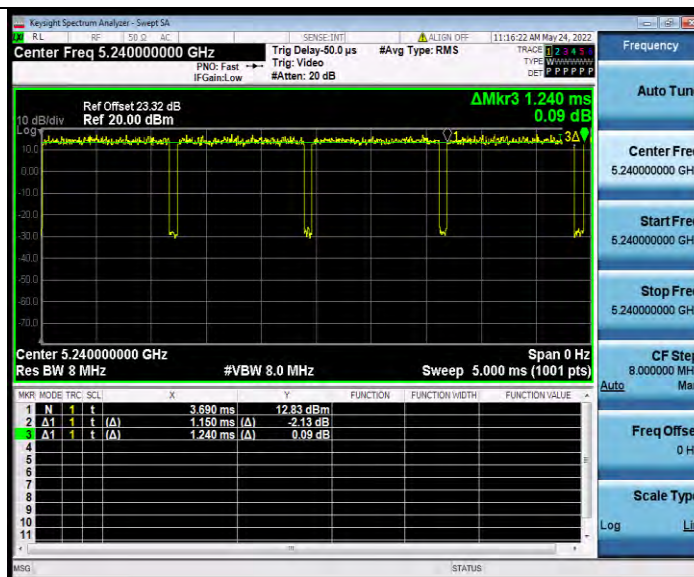


11N20SISO_Ant1_5240

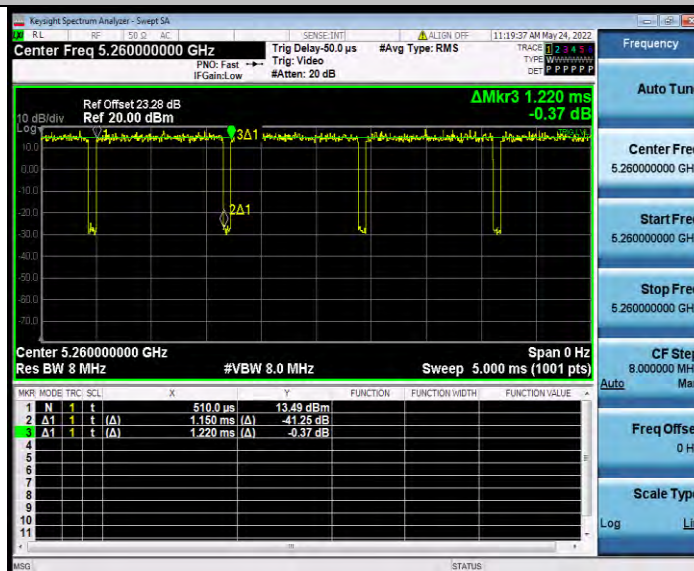


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



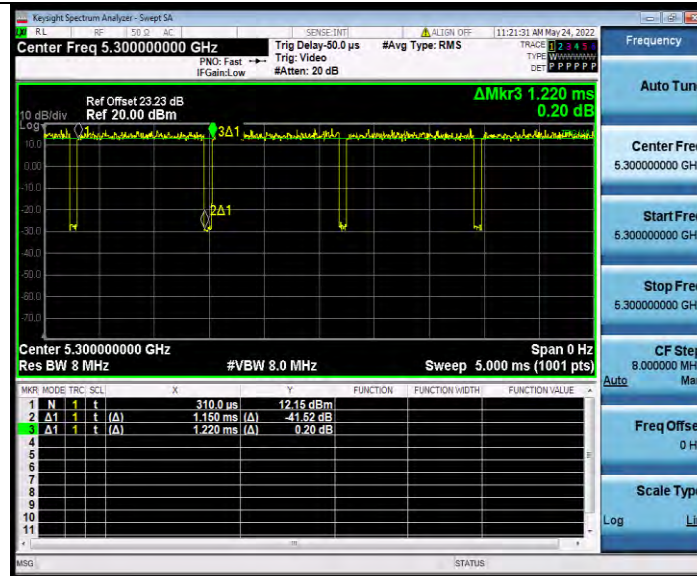
11N20SISO_Ant1_5260



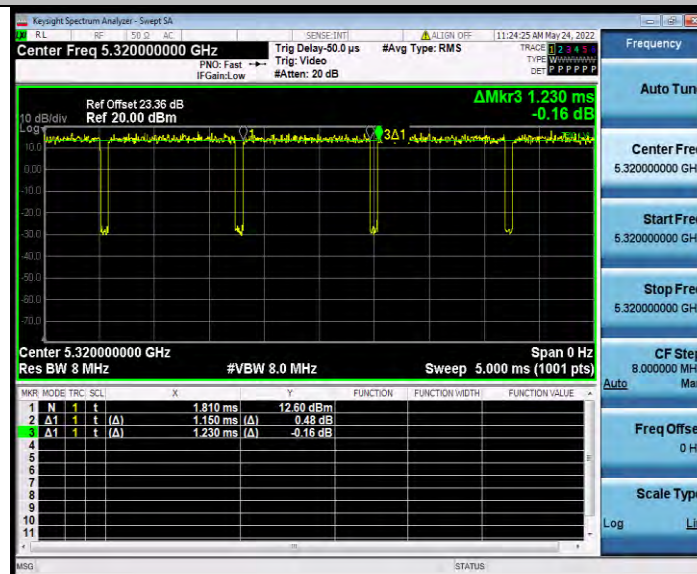
11N20SISO_Ant1_5300



Test Report No.: W7L-P22050003RF03



11N20SISO_Ant1_5320

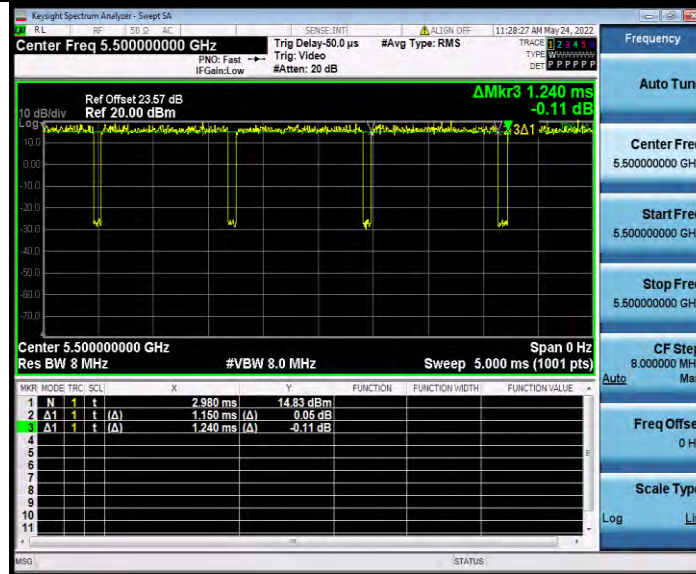


11N20SISO_Ant1_5500

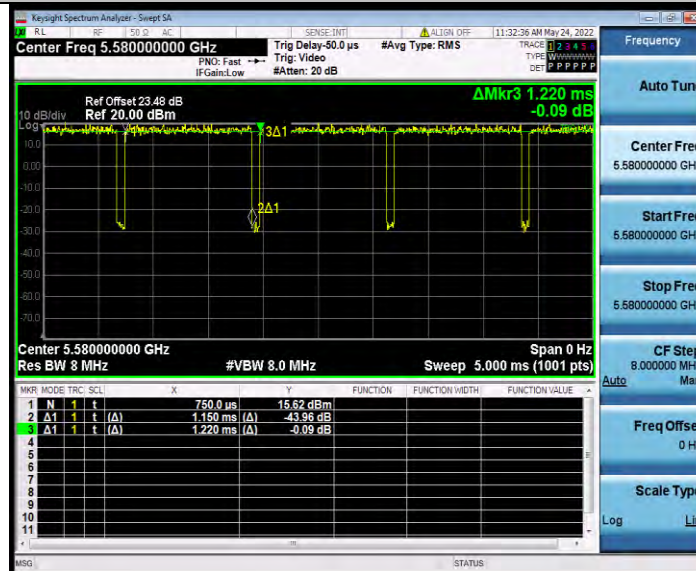


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11N20SISO_Ant1_5580

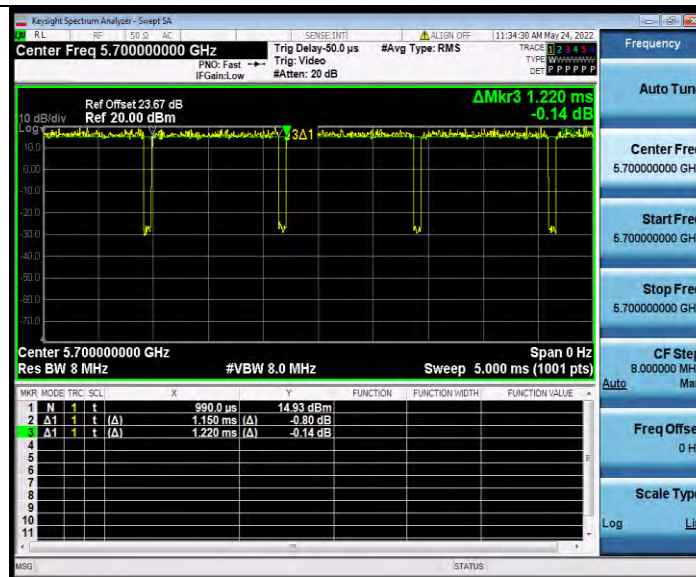


11N20SISO_Ant1_5700

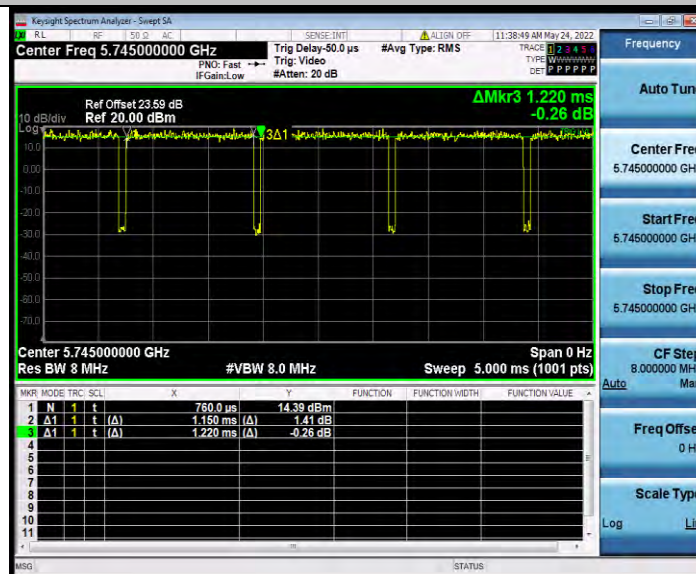


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Test Report No.: W7L-P22050003RF03



11N20SISO_Ant1_5745

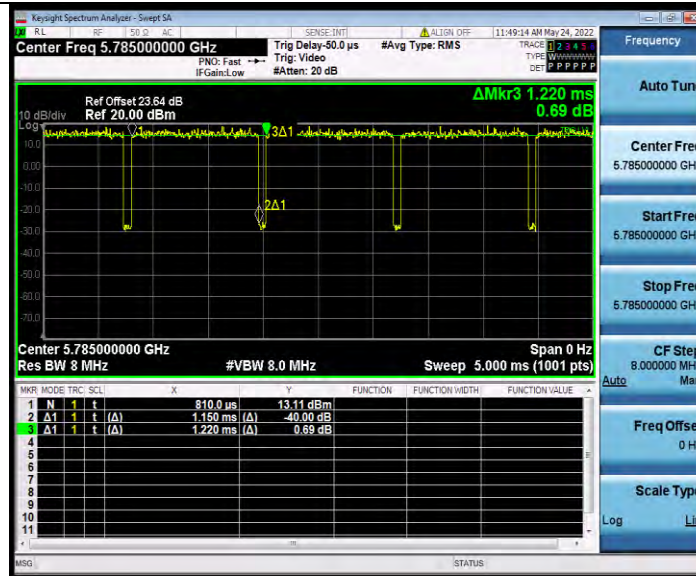


11N20SISO_Ant1_5785

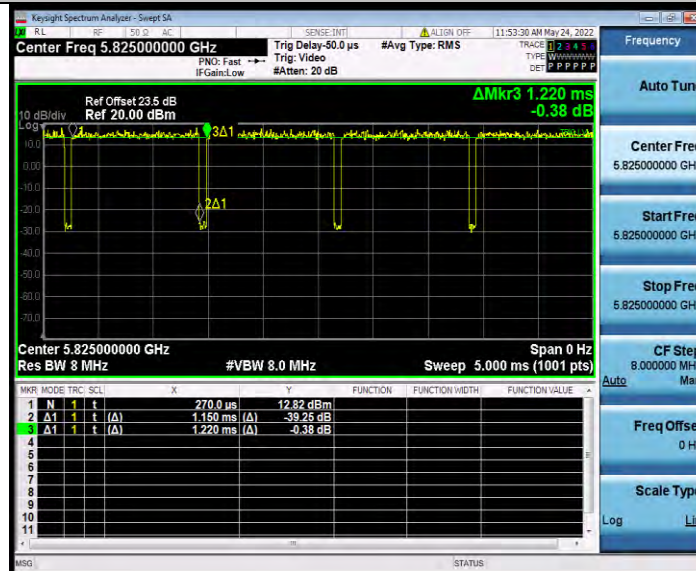


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11N20SISO_Ant1_5825

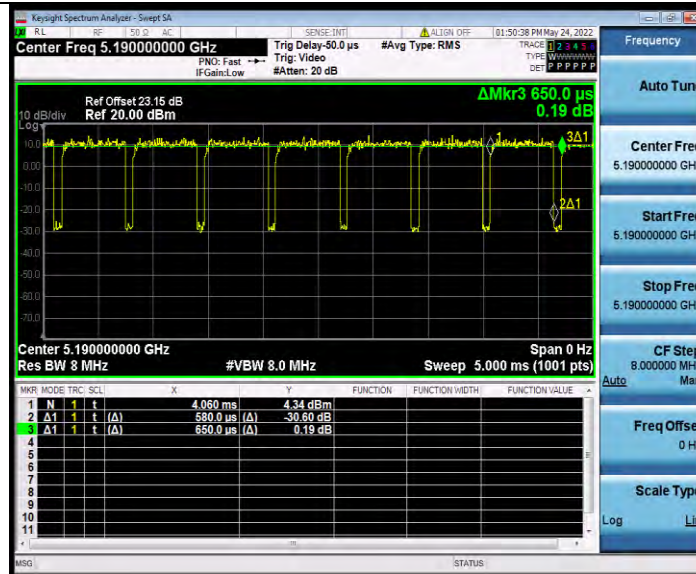


11N40SISO_Ant1_5190

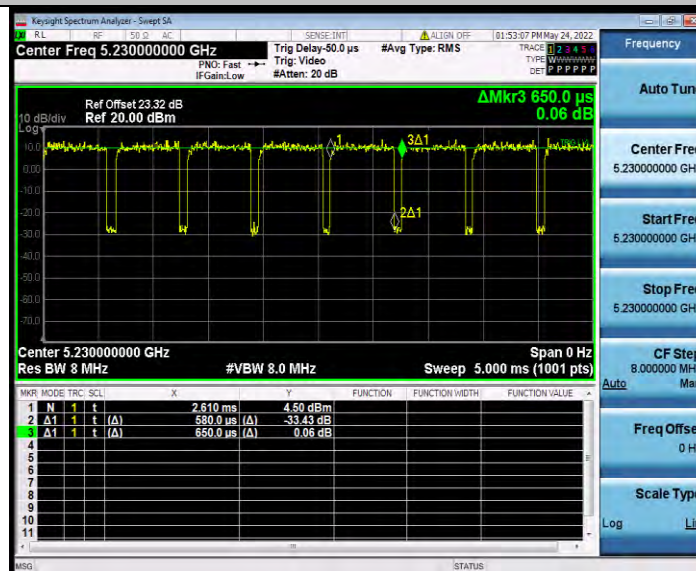


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Test Report No.: W7L-P22050003RF03



11N40SISO_Ant1_5230

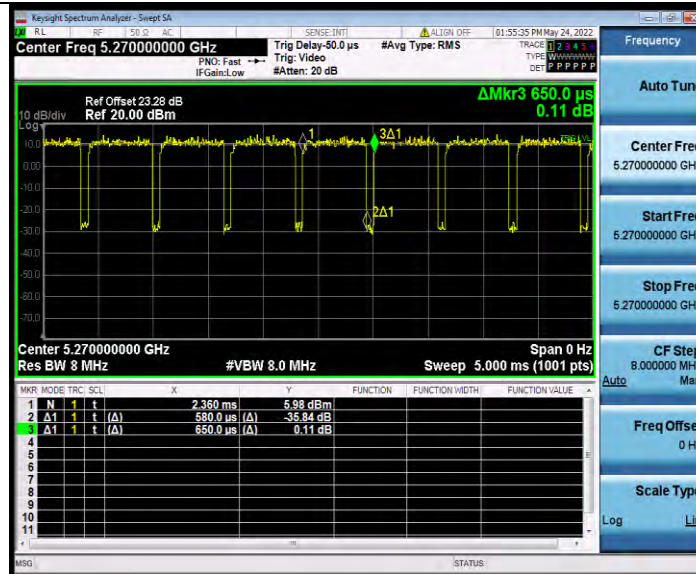


11N40SISO_Ant1_5270

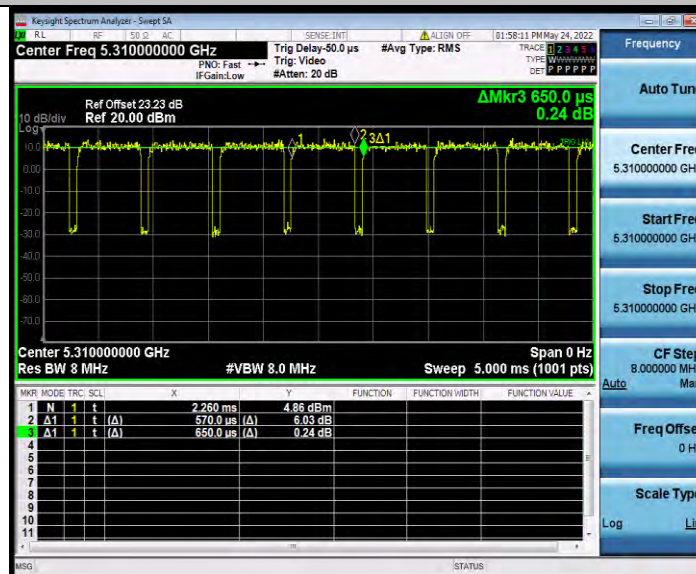


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



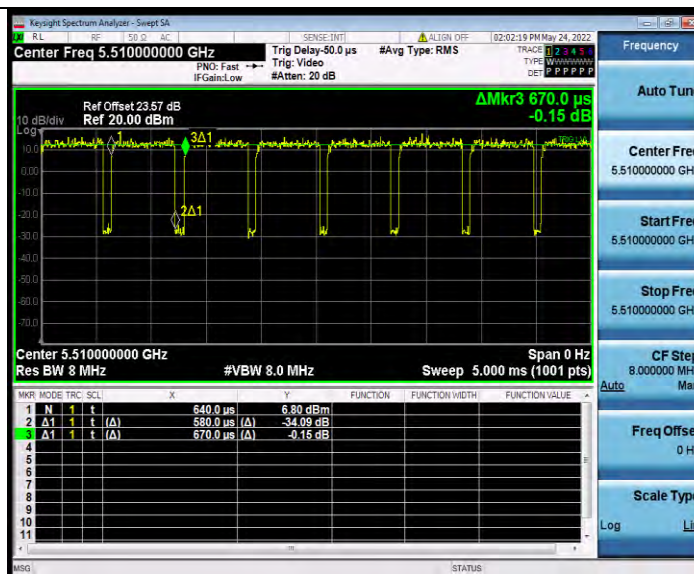
11N40SISO_Ant1_5310



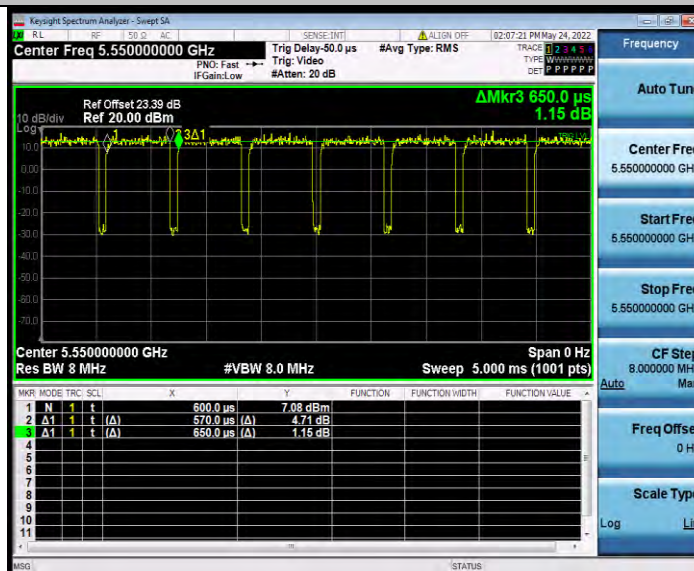
11N40SISO_Ant1_5510



Test Report No.: W7L-P22050003RF03



11N40SISO_Ant1_5550

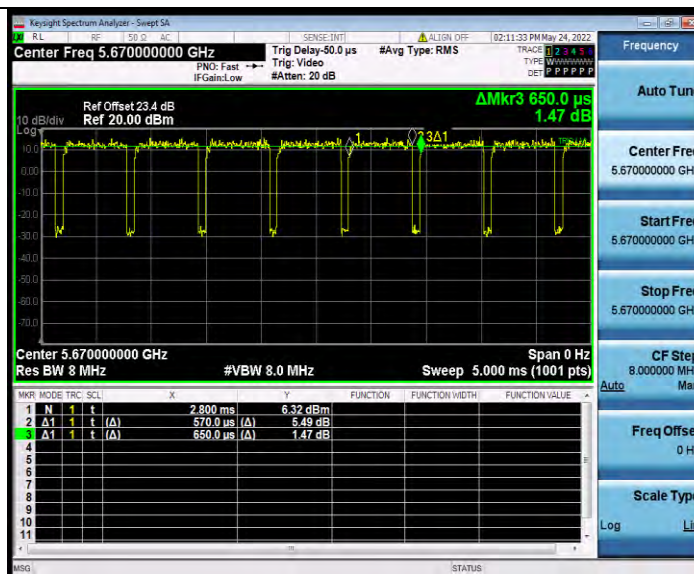


11N40SISO Ant1 5670

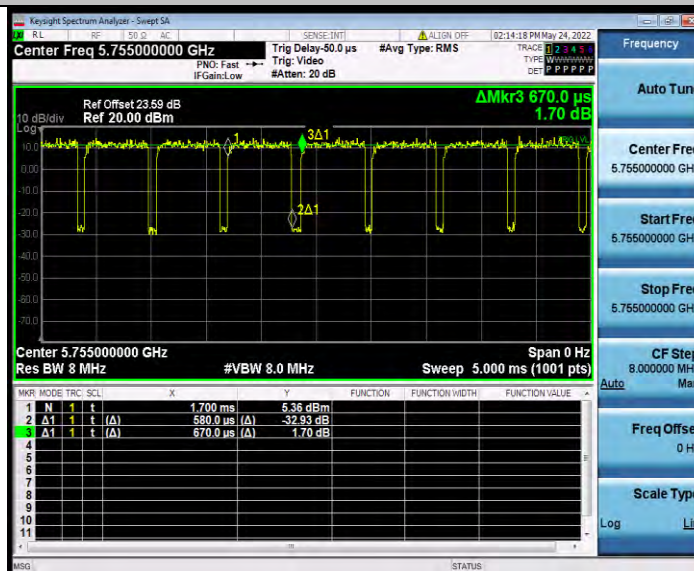


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VERITAS

Test Report No.: W7L-P22050003RF03



11N40SISO_Ant1_5755

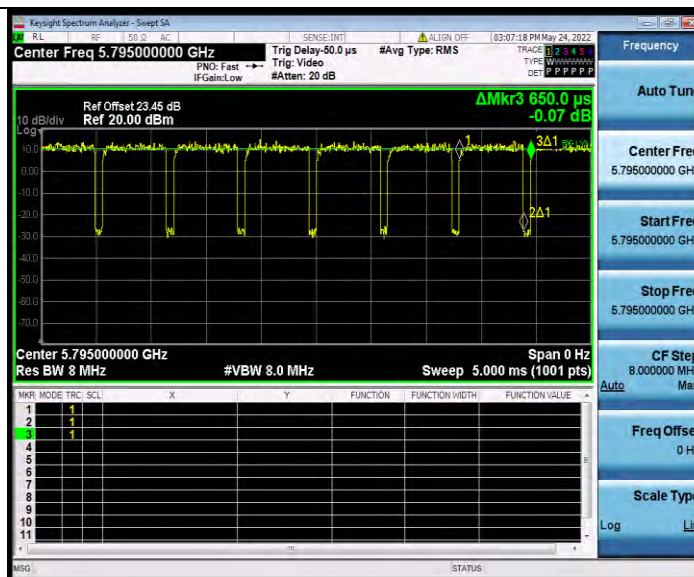


11N40SISO_Ant1_5795

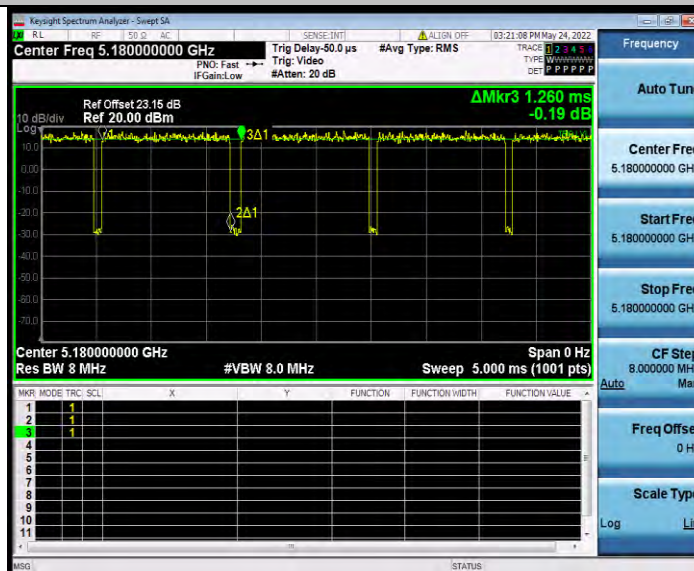


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11AC20SISO_Ant1_5180

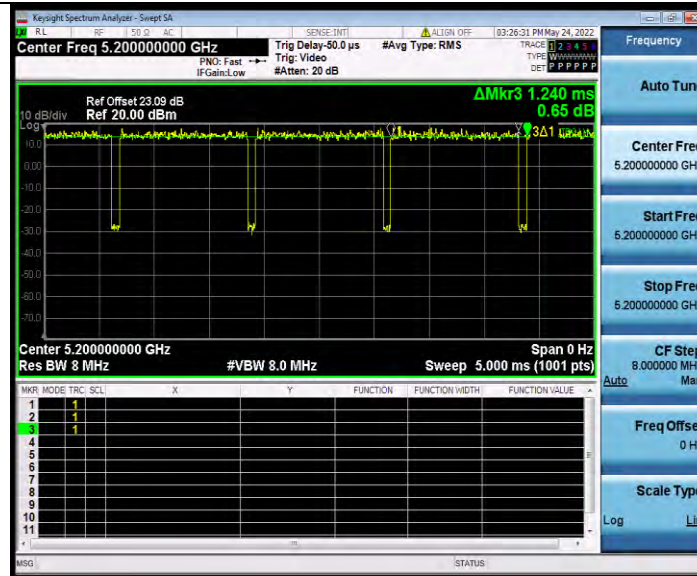


11AC20SISO_Ant1_5200

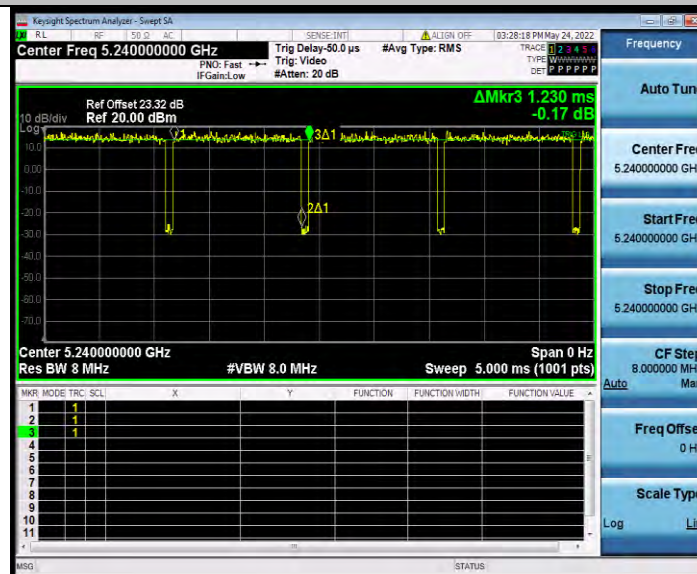


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11AC20SISO_Ant1_5240

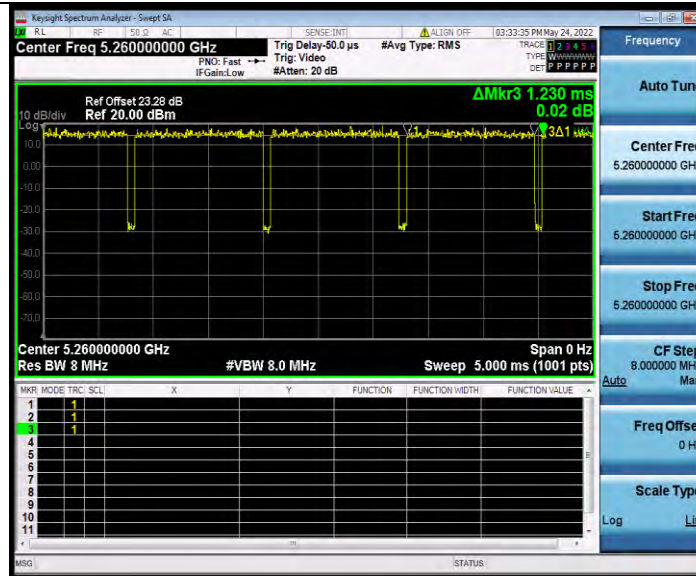


11AC20SISO_Ant1_5260

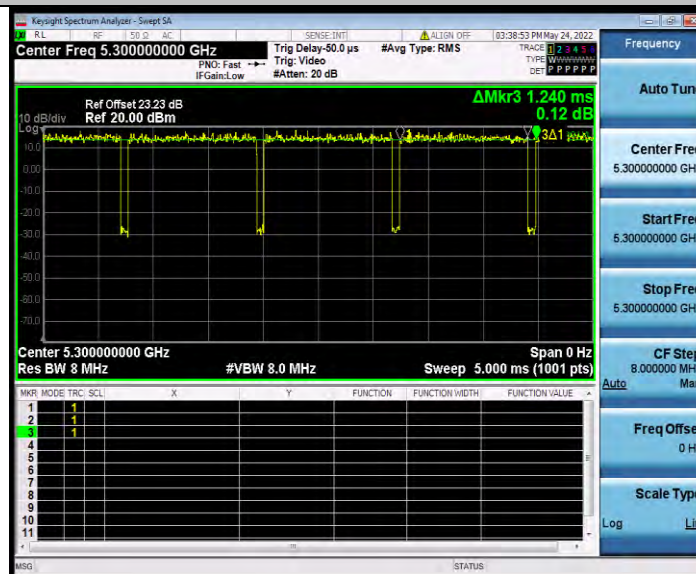


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



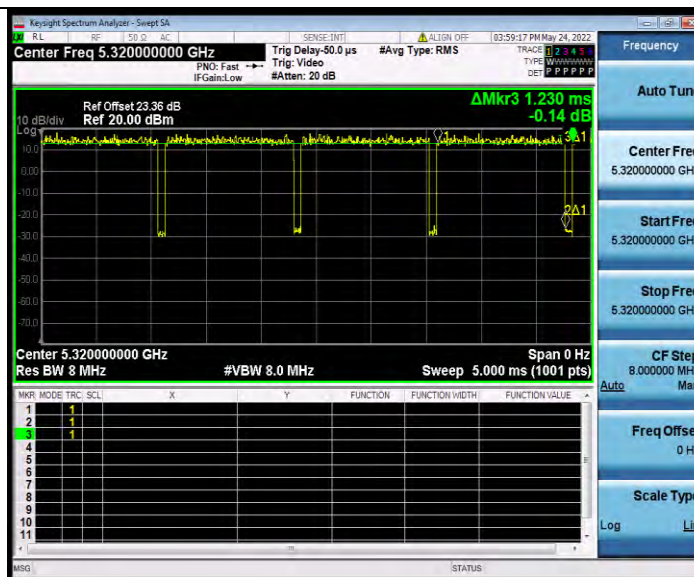
11AC20SISO_Ant1_5300



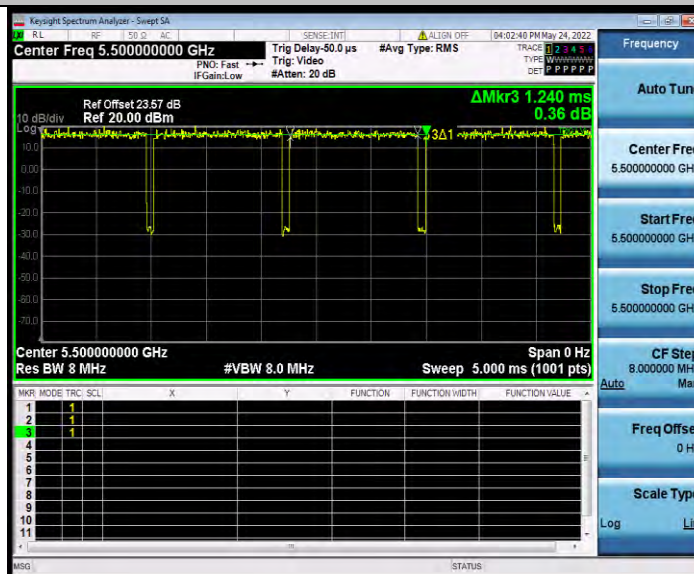
11AC20SISO_Ant1_5320



Test Report No.: W7L-P22050003RF03



11AC20SISO_Ant1_5500

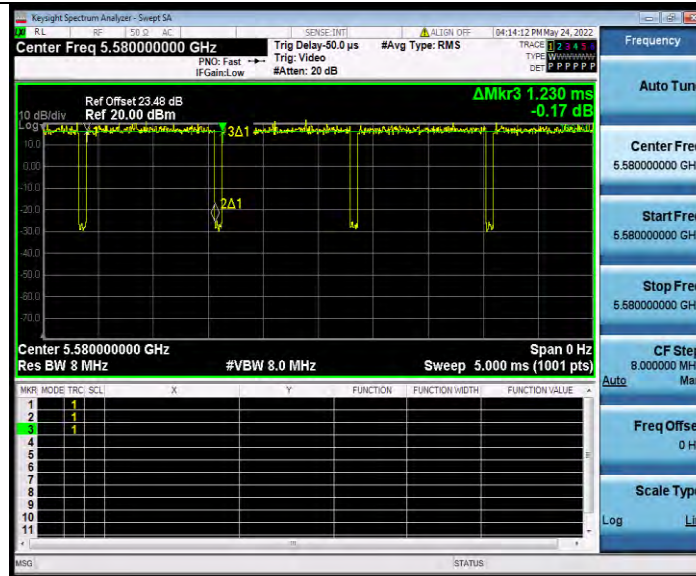


11AC20SISO_Ant1_5580

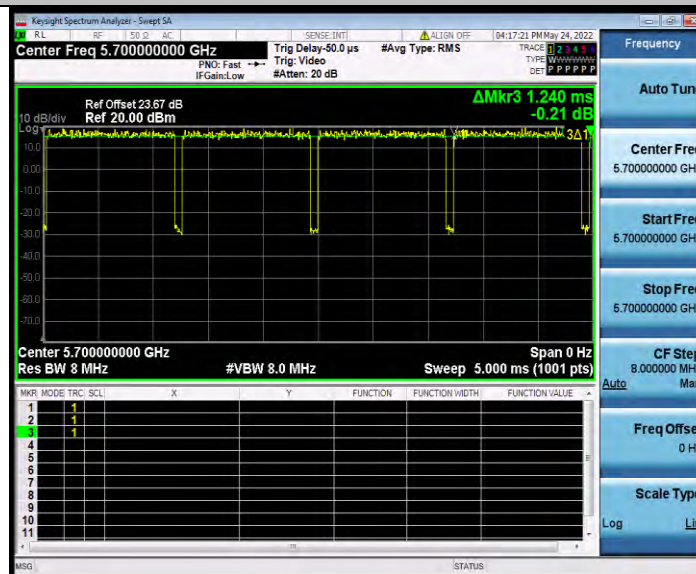


BUREAU
VERITAS

Test Report No.: W7L-P22050003RF03



11AC20SISO_Ant1_5700

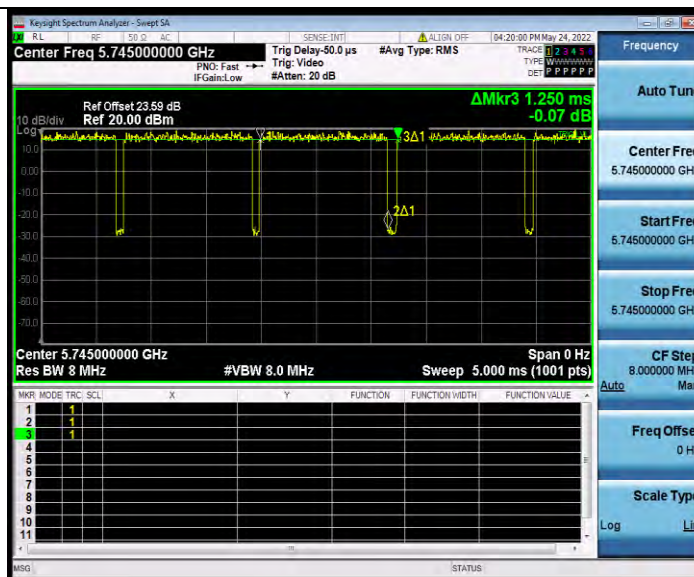


11AC20SISO_Ant1_5745

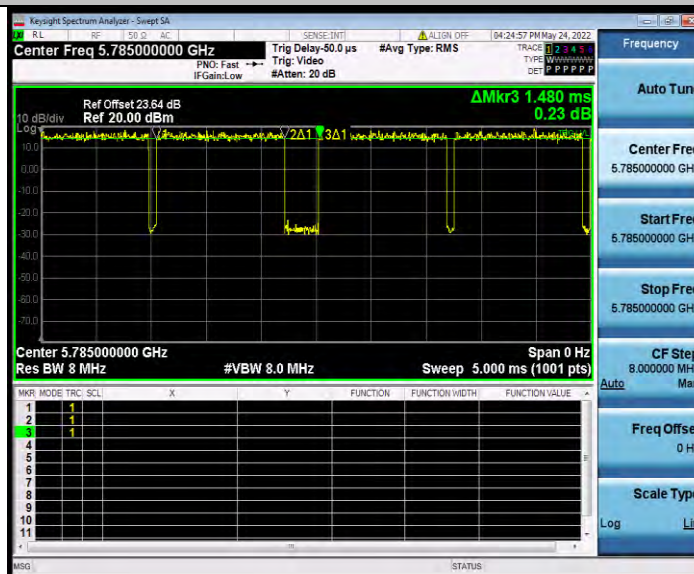


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11AC20SISO_Ant1_5785

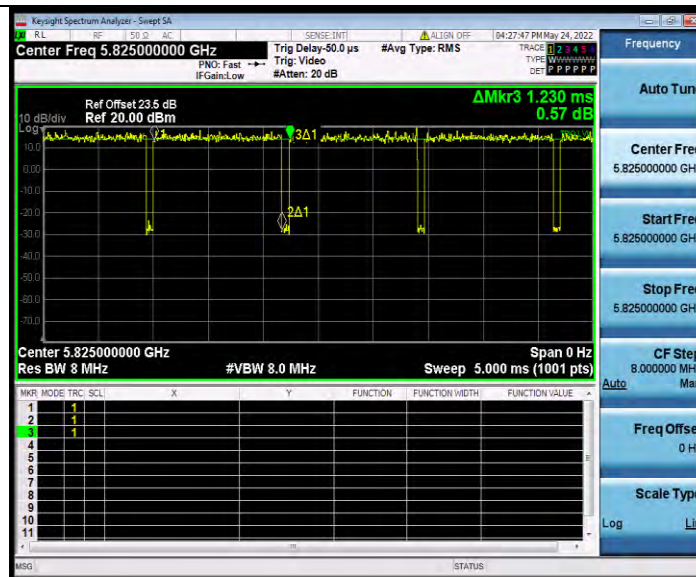


11AC20SISO_Ant1_5825

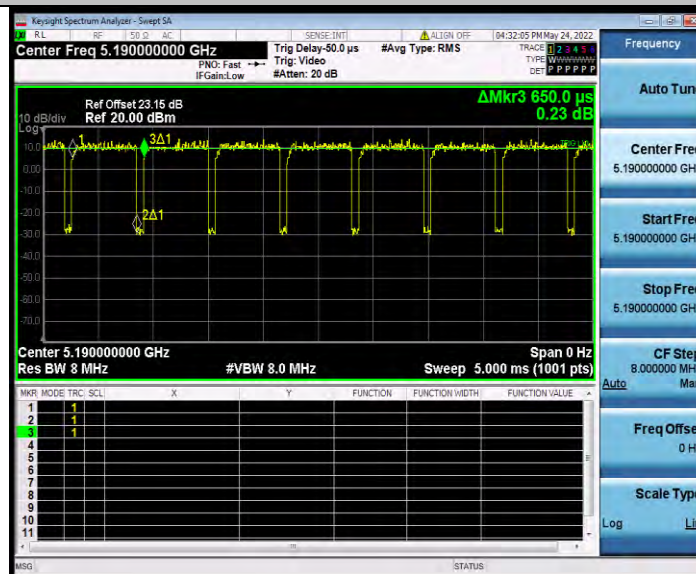


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11AC40SISO_Ant1_5190

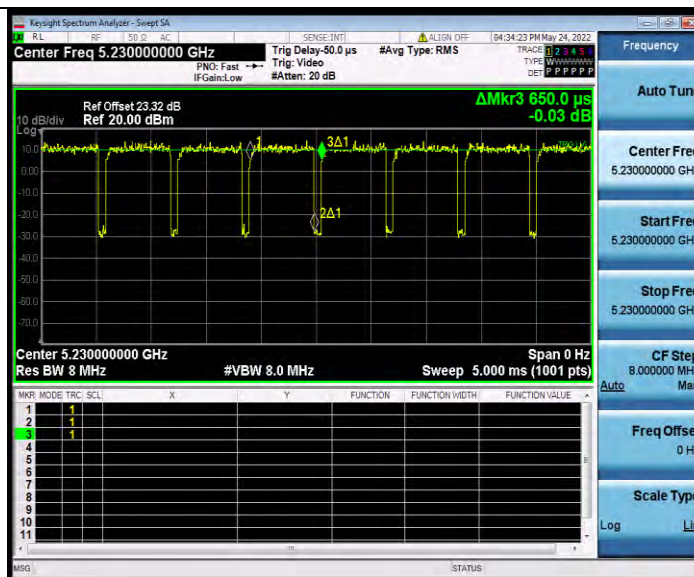


11AC40SISO_Ant1_5230

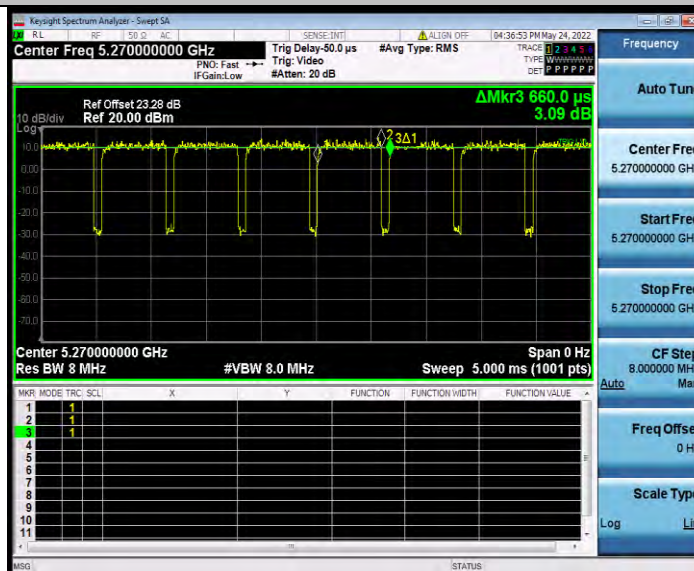


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11AC40SISO_Ant1_5270

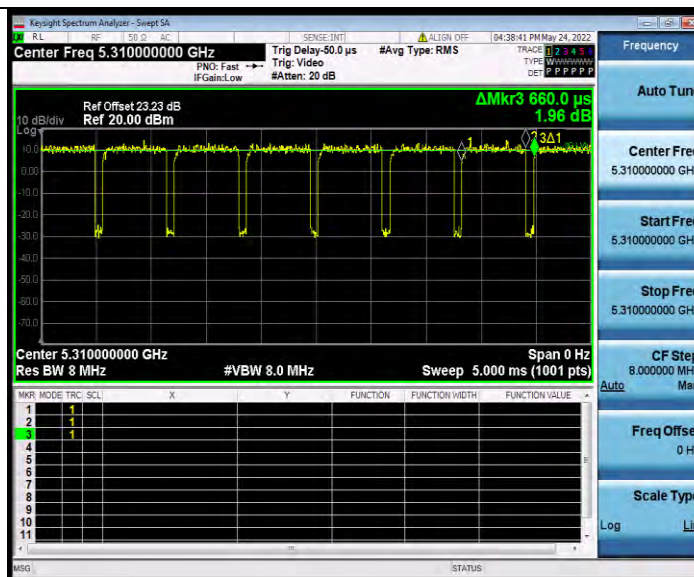


11AC40SISO_Ant1_5310

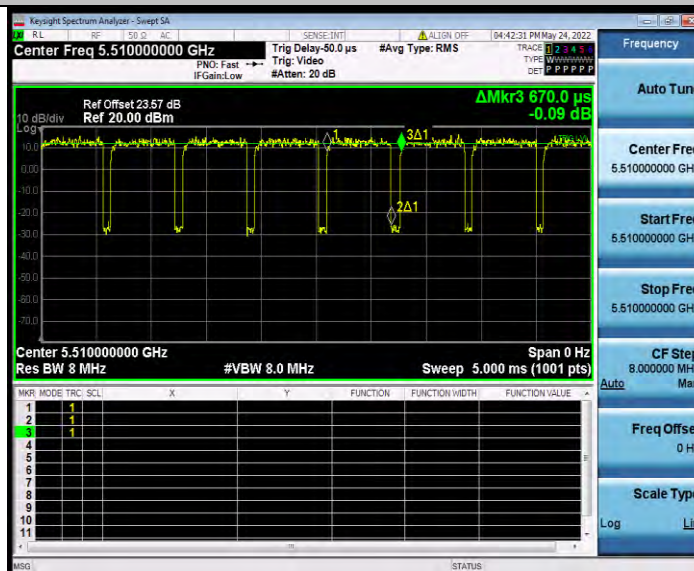


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11AC40SISO_Ant1_5510

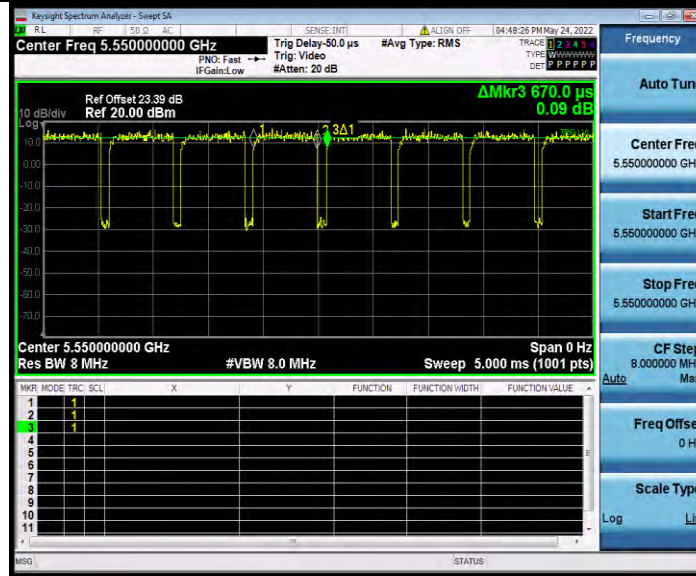


11AC40SISO_Ant1_5550

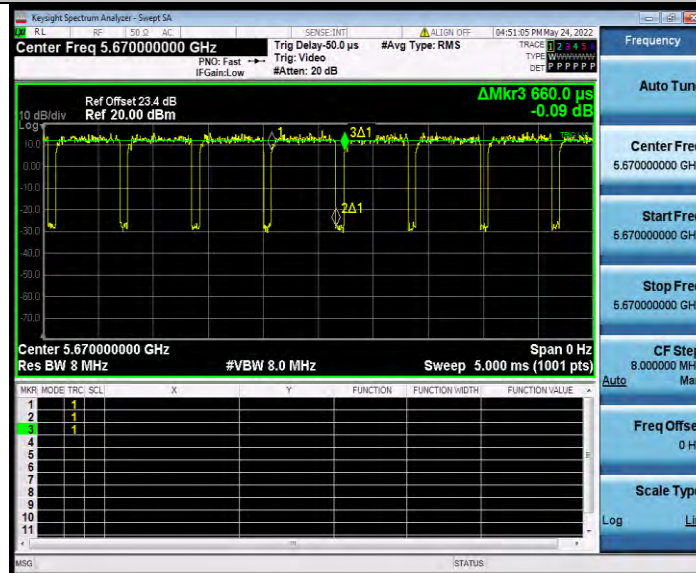


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11AC40SISO_Ant1_5670

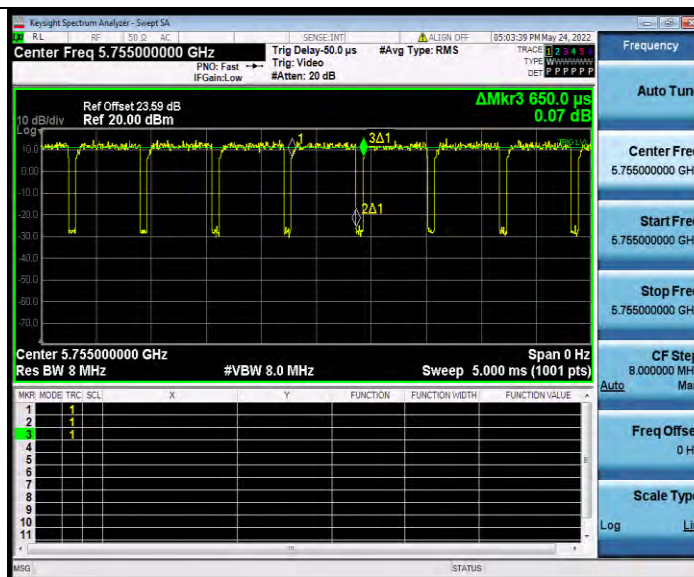


11AC40SISO_Ant1_5755

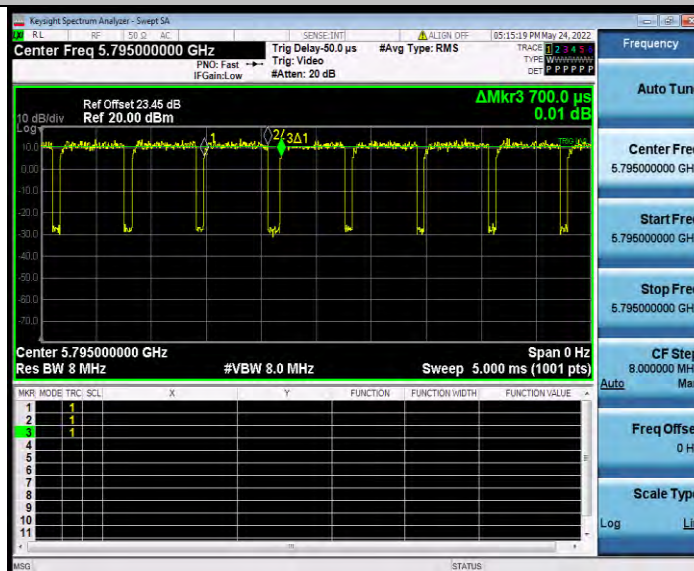


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11AC40SISO_Ant1_5795

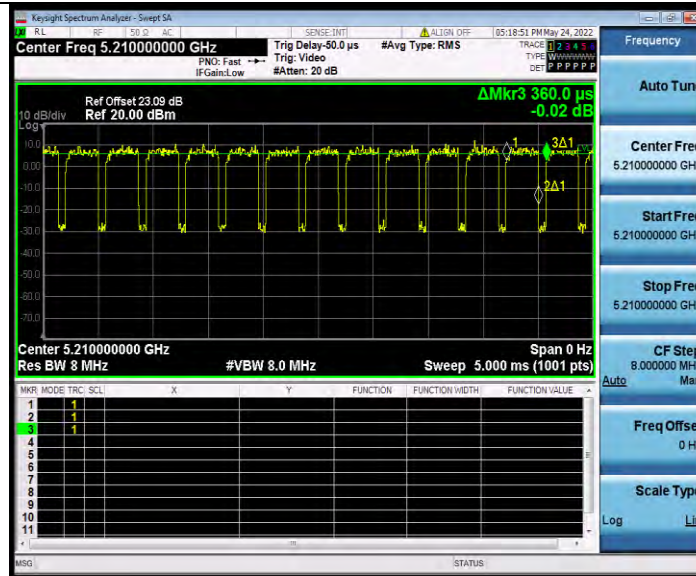


11AC80SISO_Ant1_5210

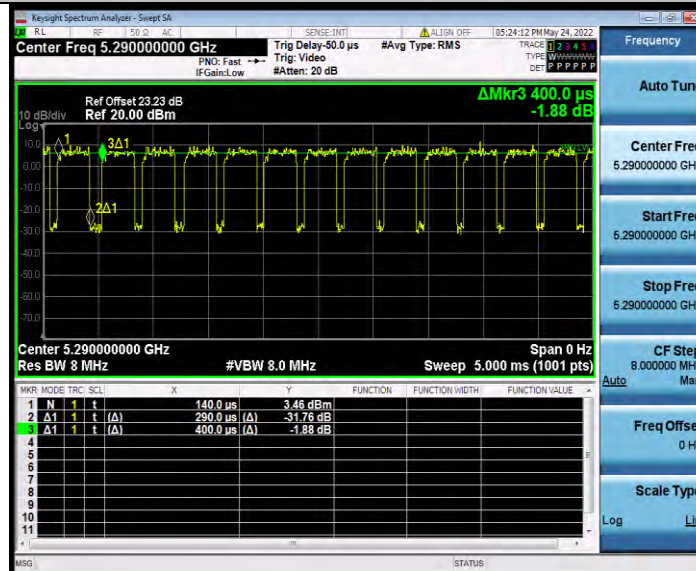


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11AC80SISO_Ant1_5290

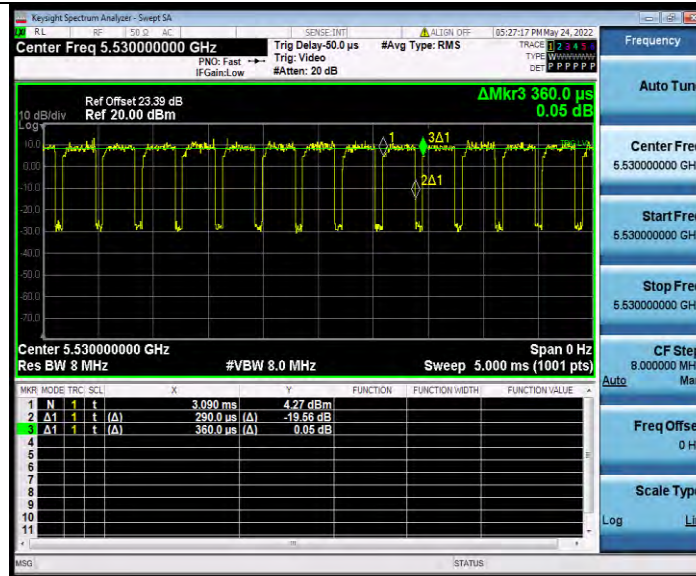


11AC80SISO_Ant1_5530

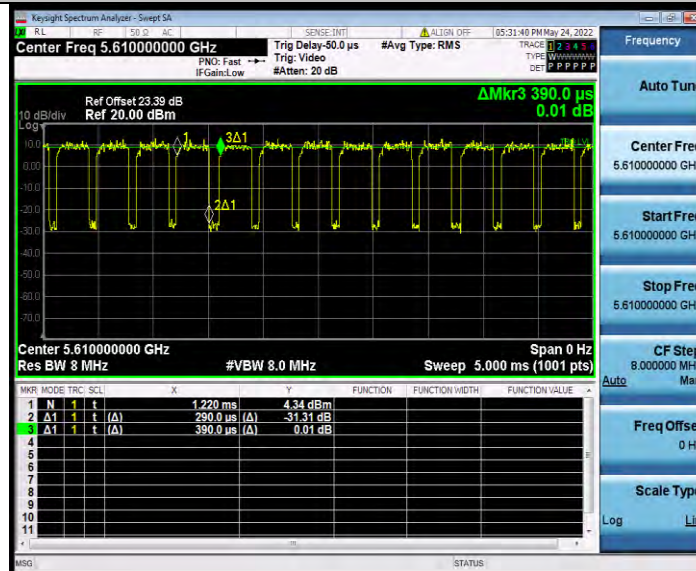


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Test Report No.: W7L-P22050003RF03



11AC80SISO_Ant1_5610

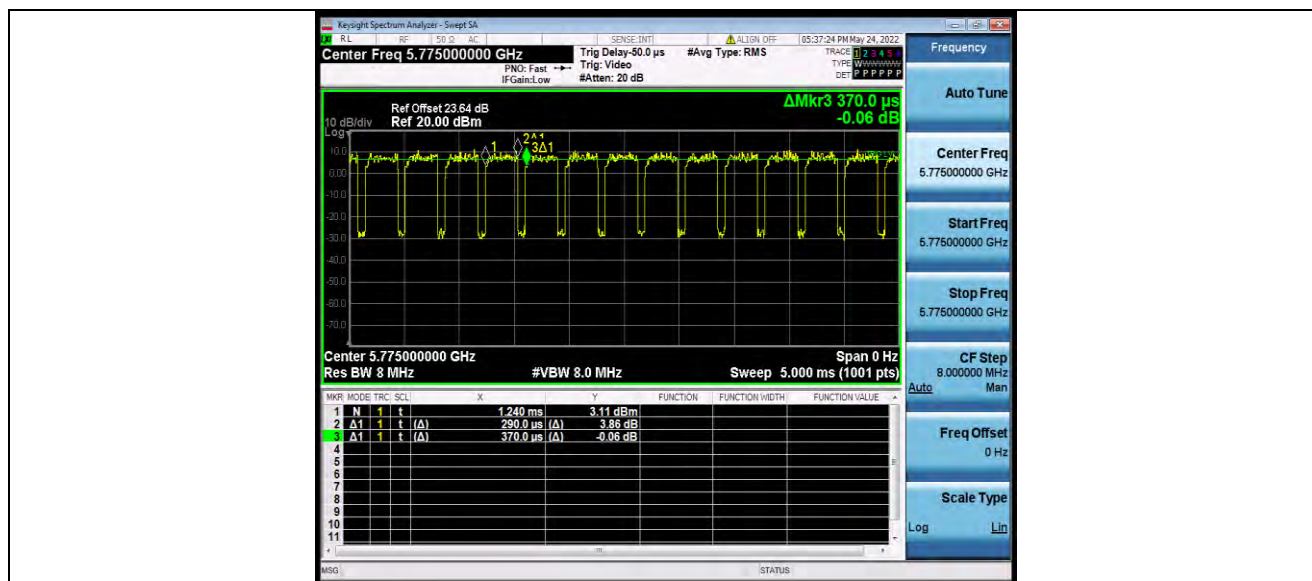


11AC80SISO_Ant1_5775



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Test Report No.: W7L-P22050003RF03



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						

SPOT-CHECK RESULT

Mode	TX Type	Freq. (MHz)	Maximum Conducted Output Power (dBm)		Verdict	Power Setting
			Ant1	Limit		
802.11a	SISO	5180	15.61	≤24.00	Pass	15
		5200	15.34	≤24.00	Pass	15
		5240	14.81	≤24.00	Pass	15
		5260	15.34	≤24.00	Pass	15
		5300	14.87	≤24.00	Pass	15
		5320	16.51	≤24.00	Pass	15
		5500	16.34	≤24.00	Pass	15
		5580	17.03	≤24.00	Pass	15
		5700	17.21	≤24.00	Pass	15
		5745	15.63	≤30.00	Pass	15
		5720	17.77	≤24.00	Pass	15
		5720	17.39	≤30.00	Pass	14
		5785	15.25	≤30.00	Pass	14
		5825	14.93	≤30.00	Pass	14

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.

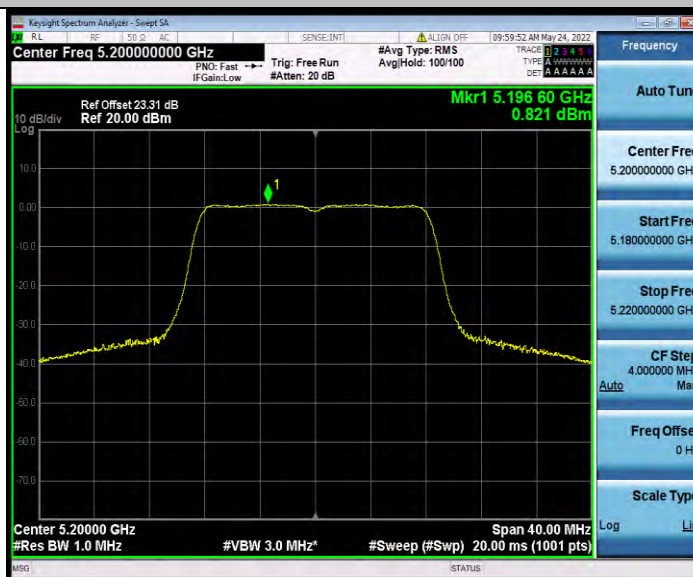
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200

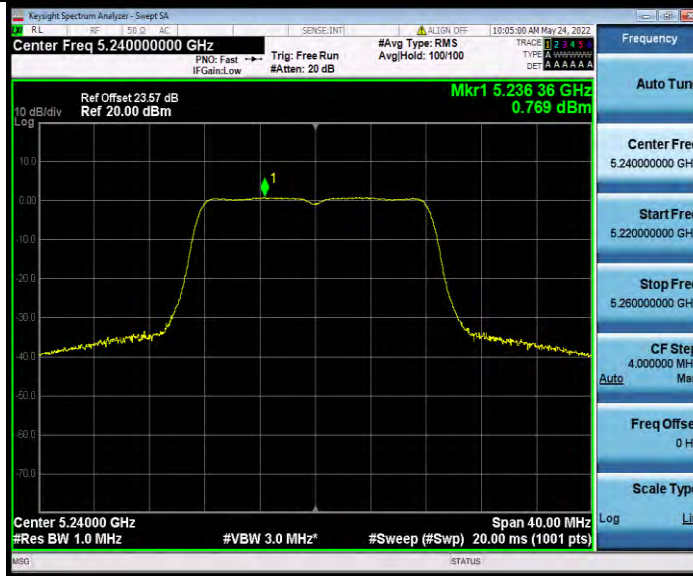


11A_Ant1_5240

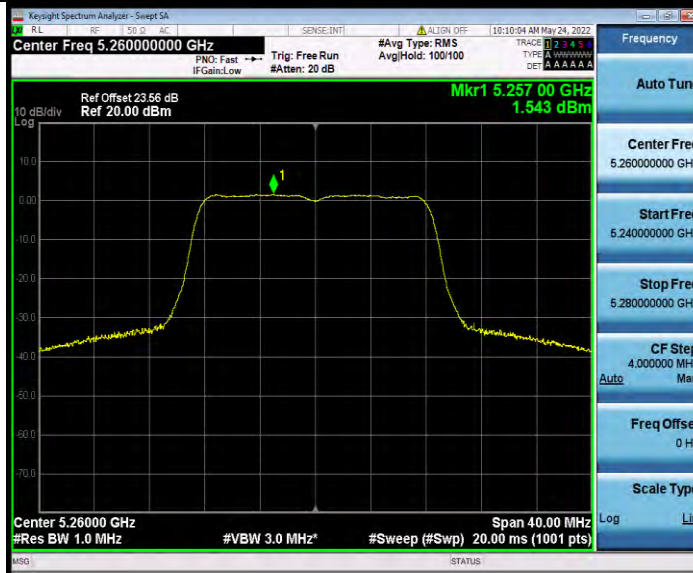


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11A_Ant1_5260



11A_Ant1_5300



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11A_Ant1_5320



11A_Ant1_5500



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Test Report No.: W7L-P22050003RF03



11A_Ant1_5580



11A_Ant1_5700