



BUREAU
VERITAS

Test Report No.: W7L-P22090035RF03



11AC20SISO_Ant1_5785

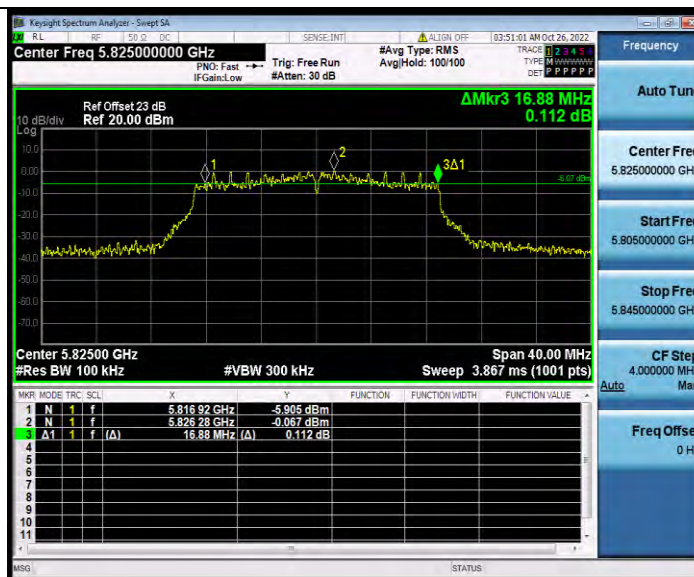


11AC20SISO_Ant1_5825

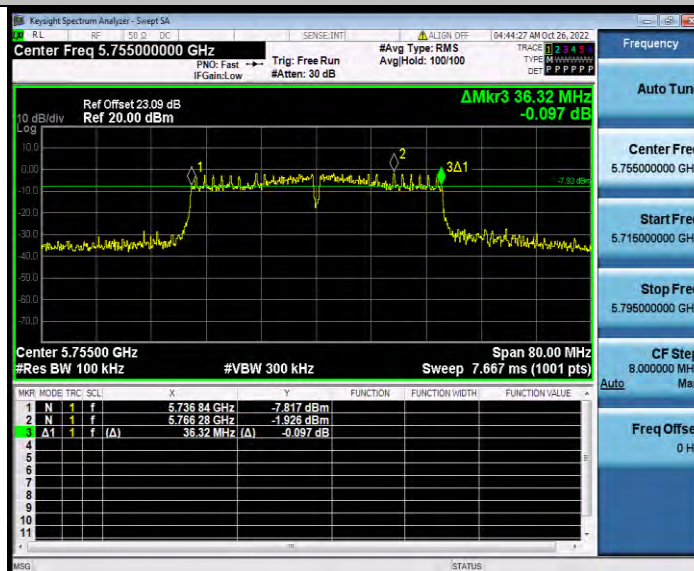


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11AC40SISO_Ant1_5755

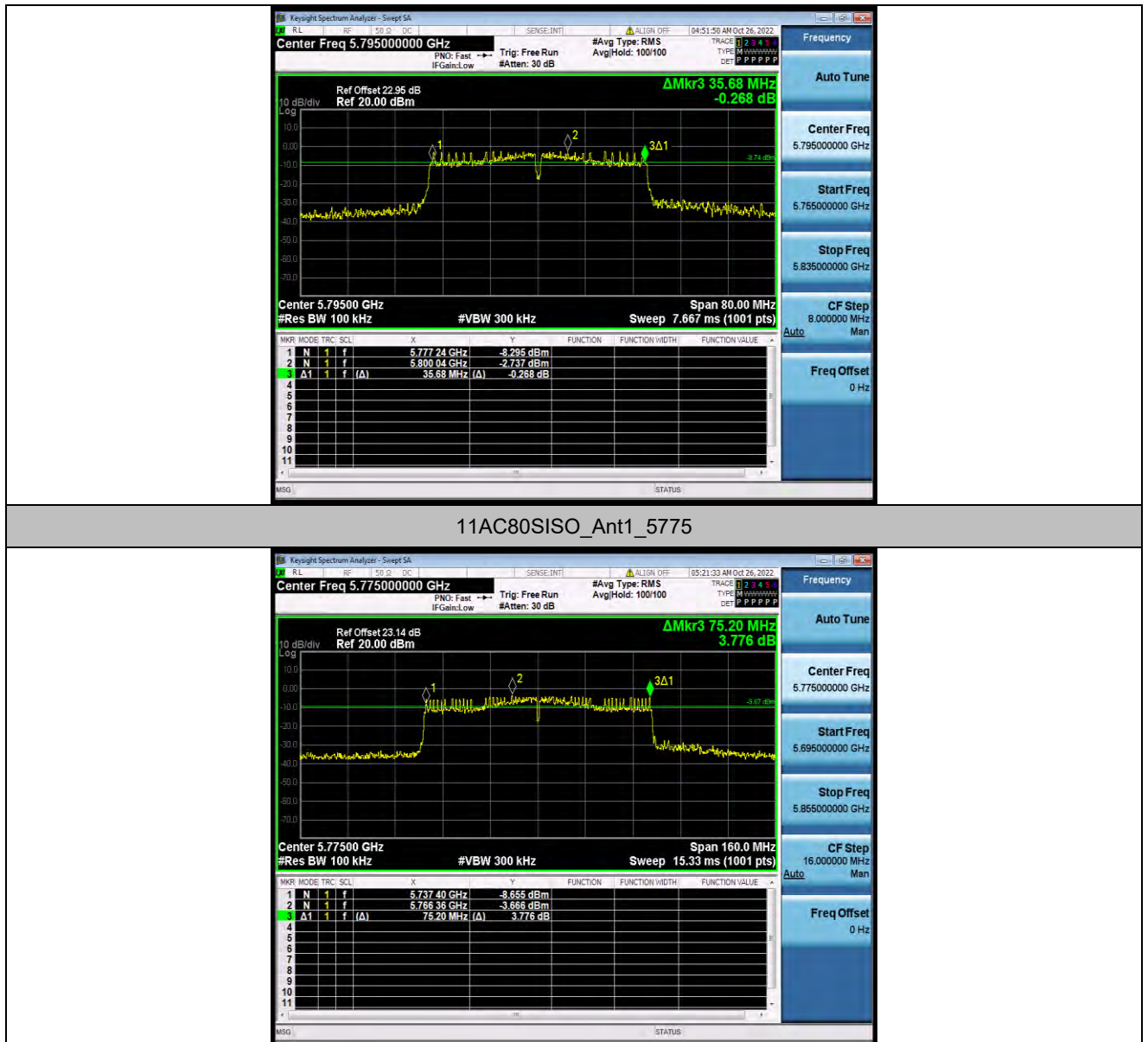


11AC40SISO_Ant1_5795



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DUTY CYCLE TEST RESULT

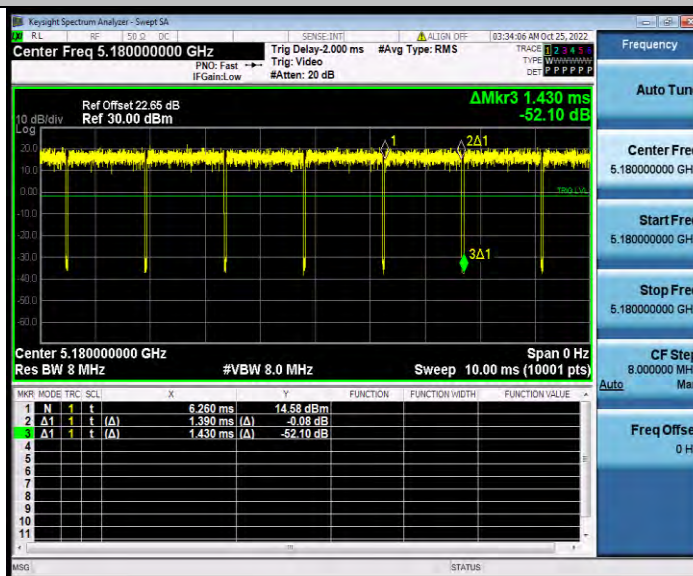
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.43	97.20
		5200	1.40	1.44	97.22
		5240	1.40	1.44	97.22
		5260	1.40	1.44	97.22
		5300	1.39	1.44	96.53
		5320	1.40	1.44	97.22
		5745	1.39	1.44	96.53
		5785	1.40	1.44	97.22
		5825	1.39	1.44	96.53
11N20SISO	Ant1	5180	0.17	0.21	80.95
		5200	0.17	0.21	80.95
		5240	0.16	0.20	80.00
		5260	0.16	0.21	76.19
		5300	0.17	0.21	80.95
		5320	0.16	0.20	80.00
		5745	0.16	0.20	80.00
		5785	0.16	0.20	80.00
		5825	0.17	0.21	80.95
11N40SISO	Ant1	5190	0.10	0.14	71.43
		5230	0.10	0.14	71.43
		5270	0.10	0.14	71.43
		5310	0.10	0.14	71.43
		5755	0.10	0.14	71.43
		5795	0.10	0.15	66.67
11AC20SISO	Ant1	5180	0.17	0.21	80.95
		5200	0.17	0.21	80.95
		5240	0.17	0.21	80.95
		5260	0.17	0.21	80.95
		5300	0.17	0.21	80.95
		5320	0.17	0.21	80.95



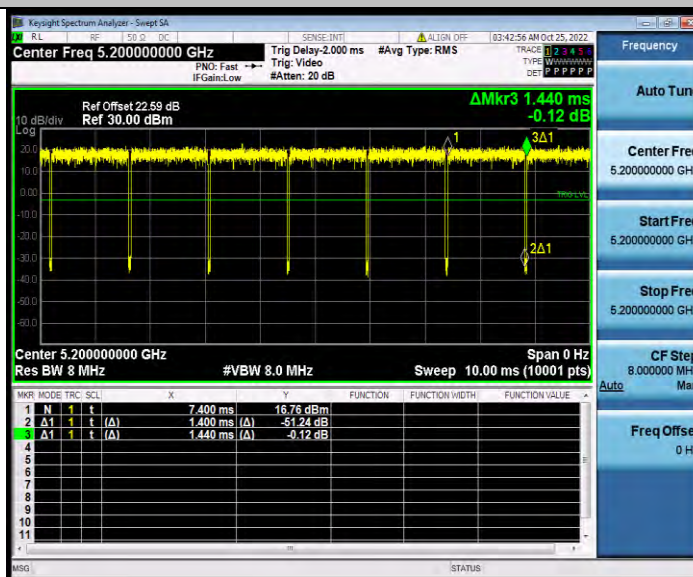
		5745	0.17	0.21	80.95
		5785	0.17	0.21	80.95
		5825	0.17	0.21	80.95
11AC40SISO	Ant1	5190	0.11	0.15	73.33
		5230	0.11	0.15	73.33
		5270	0.11	0.16	68.75
		5310	0.11	0.16	68.75
		5755	0.11	0.15	73.33
		5795	0.11	0.16	68.75
11AC80SISO	Ant1	5210	0.08	0.12	66.67
		5290	0.07	0.11	63.64
		5775	0.07	0.11	63.64

TEST GRAPHS

11A_Ant1_5180



11A_Ant1_5200

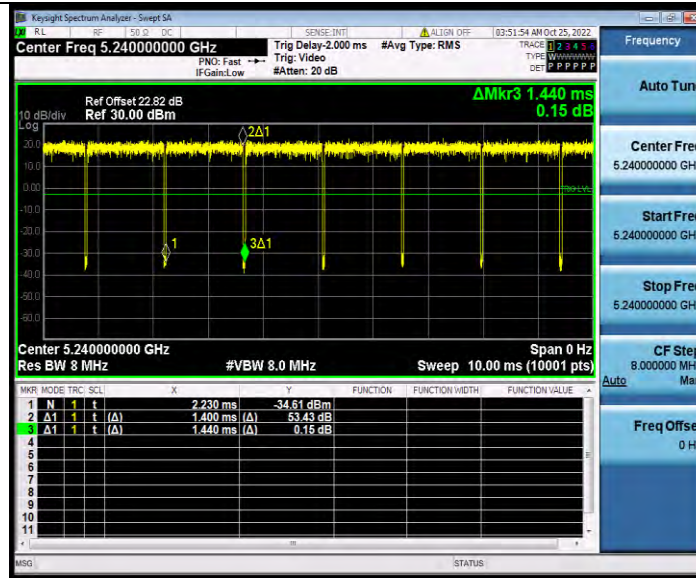


11A_Ant1_5240

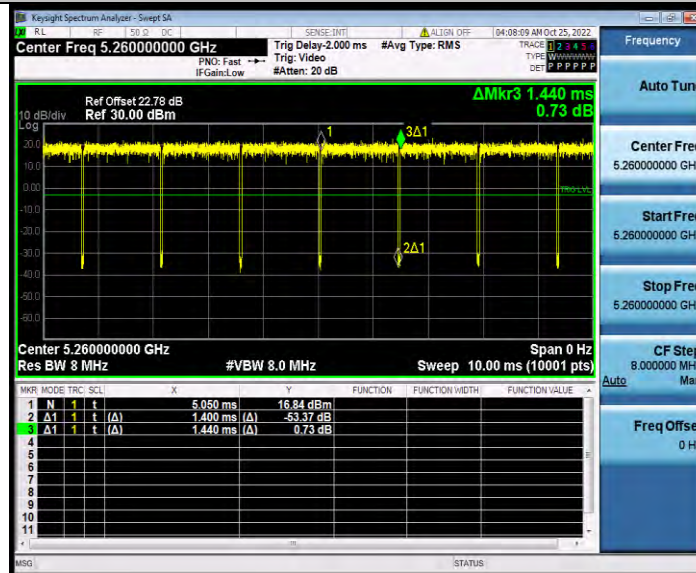


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11A_Ant1_5260

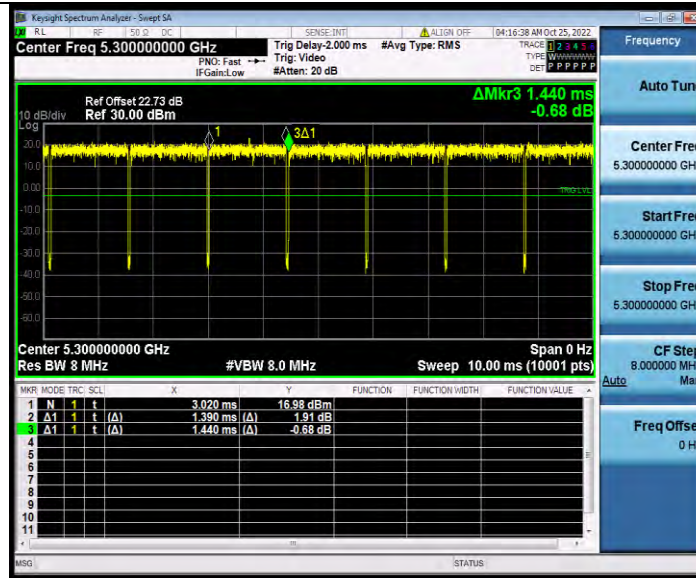


11A_Ant1_5300

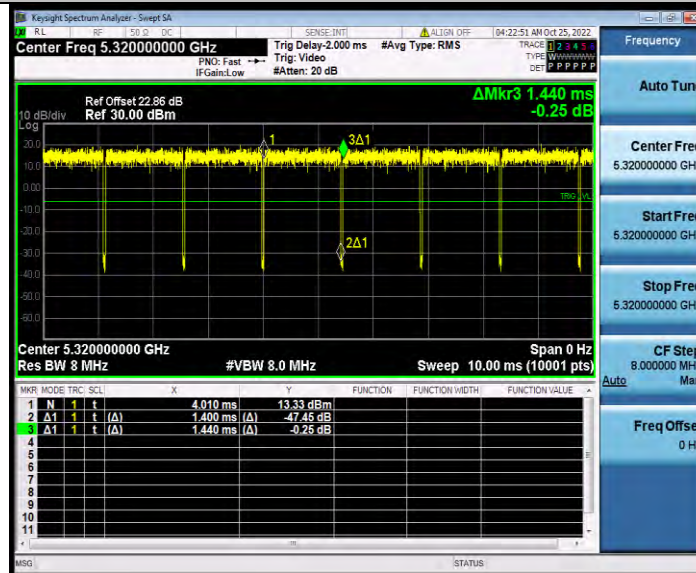


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11A_Ant1_5320

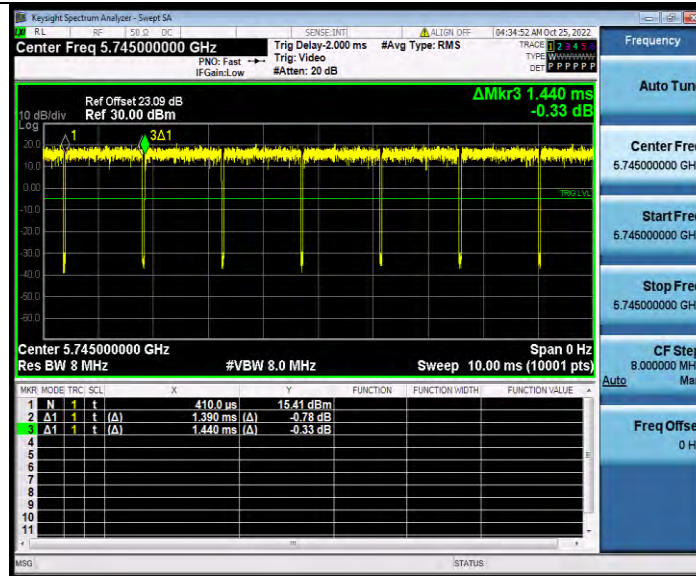


11A_Ant1_5745

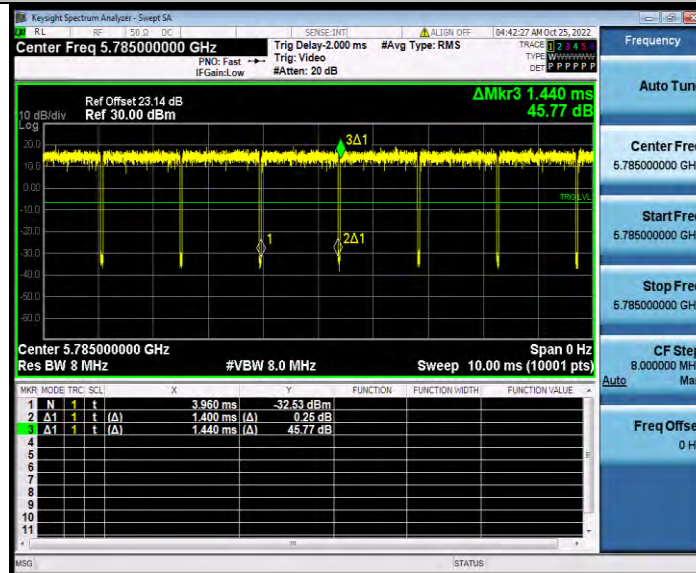


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11A_Ant1_5785

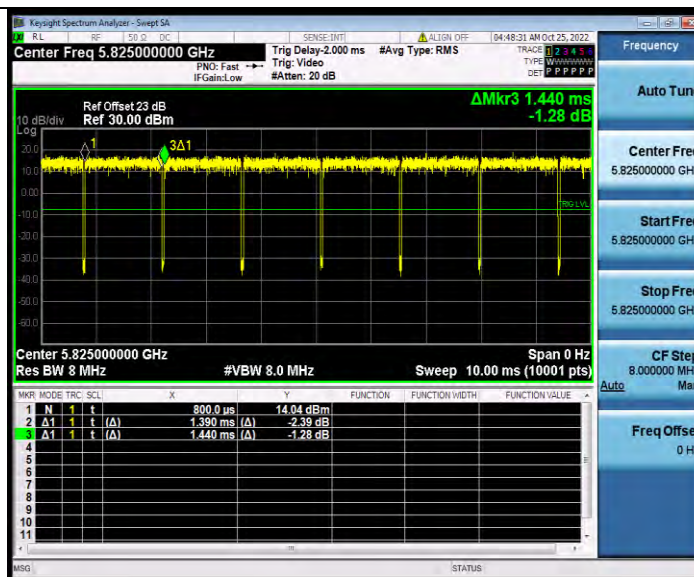


11A_Ant1_5825

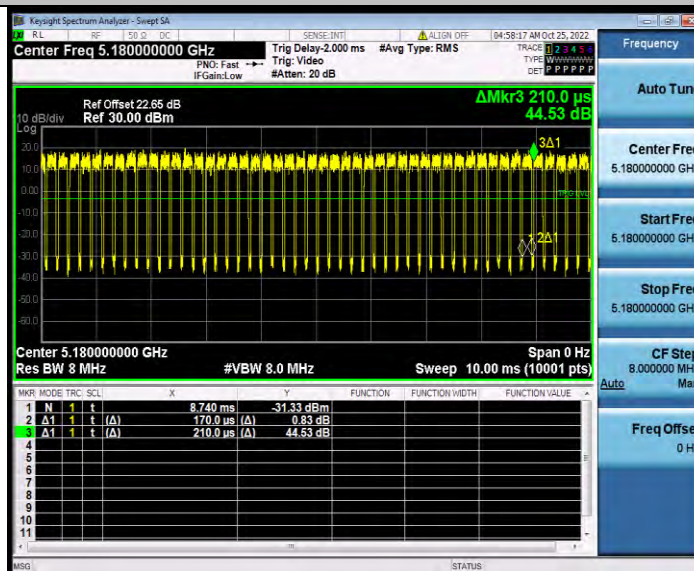


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11N20SISO_Ant1_5180

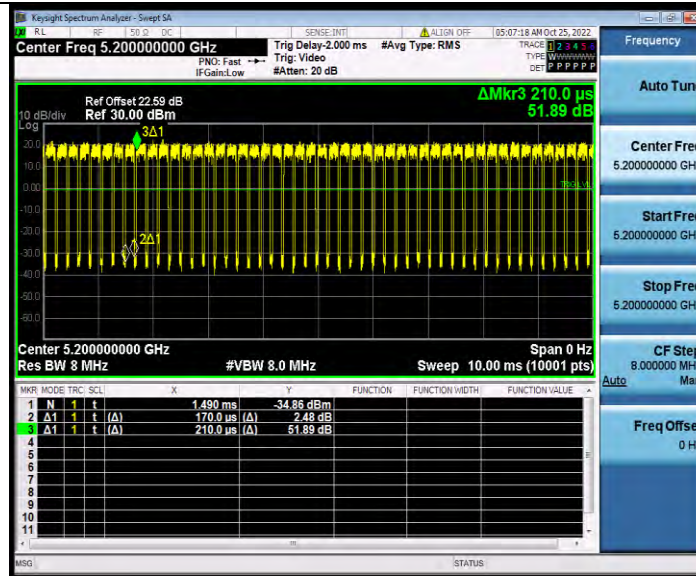


11N20SISO_Ant1_5200

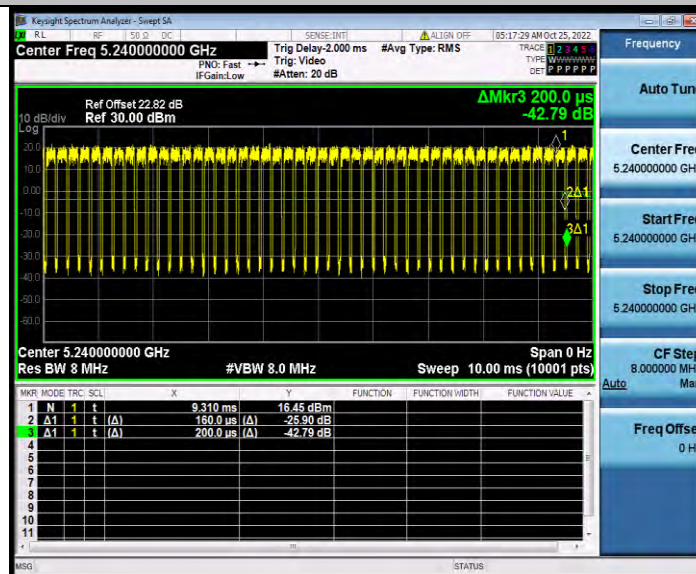


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11N20SISO_Ant1_5240

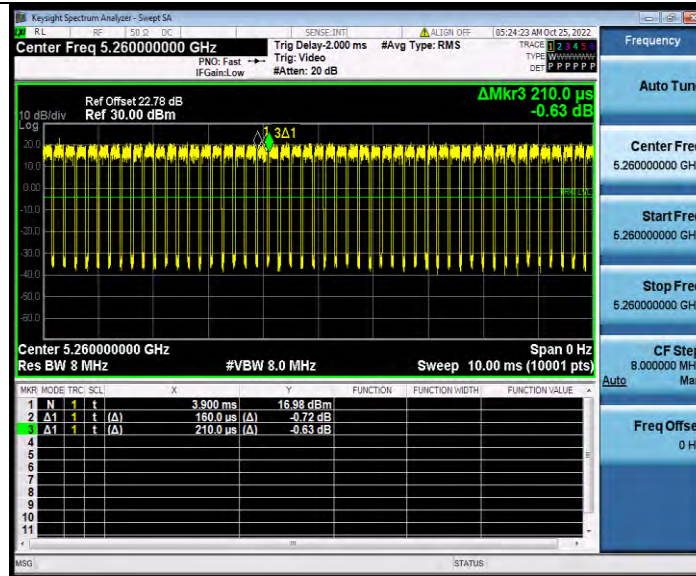


11N20SISO_Ant1_5260

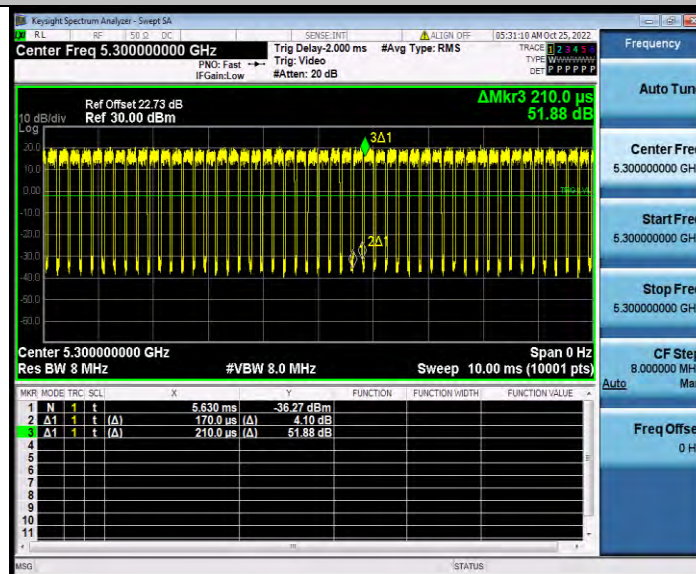


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11N20SISO_Ant1_5300

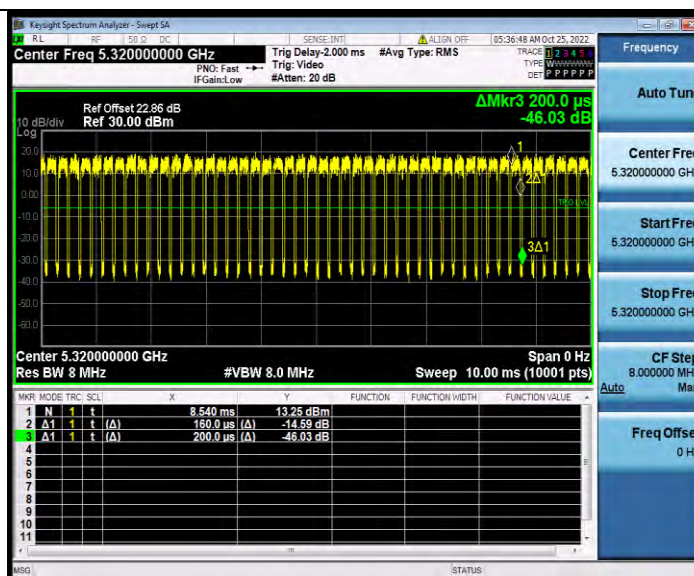


11N20SISO_Ant1_5320

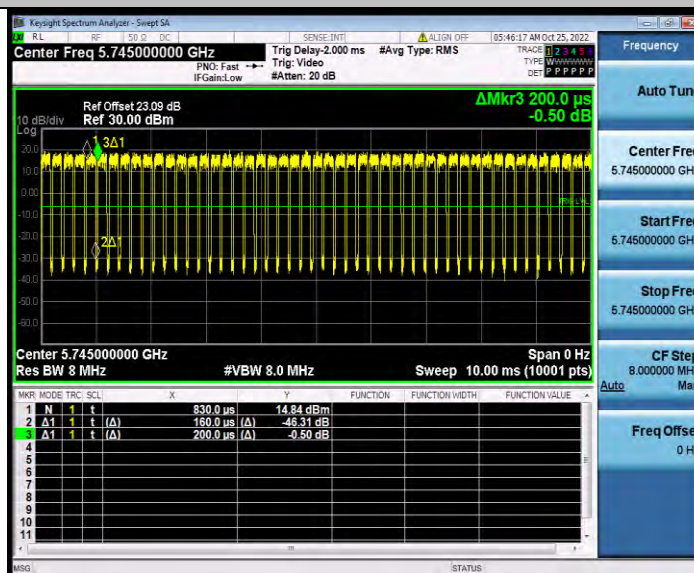


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11N20SISO_Ant1_5745

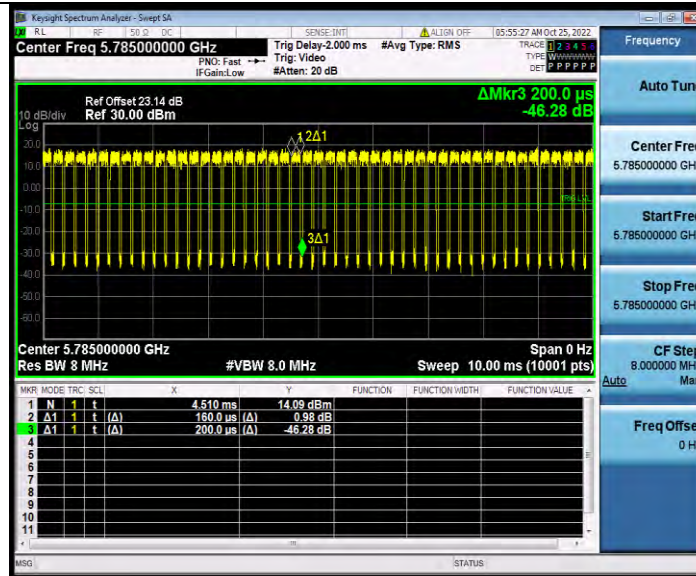


11N20SISO_Ant1_5785

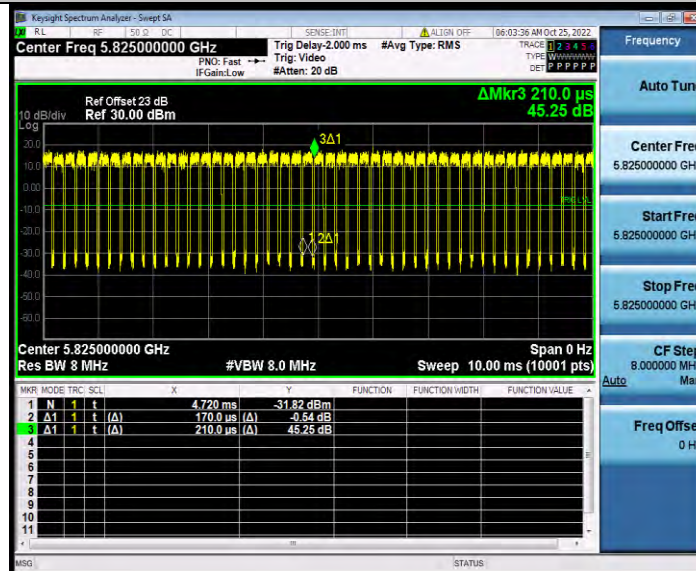


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11N20SISO_Ant1_5825

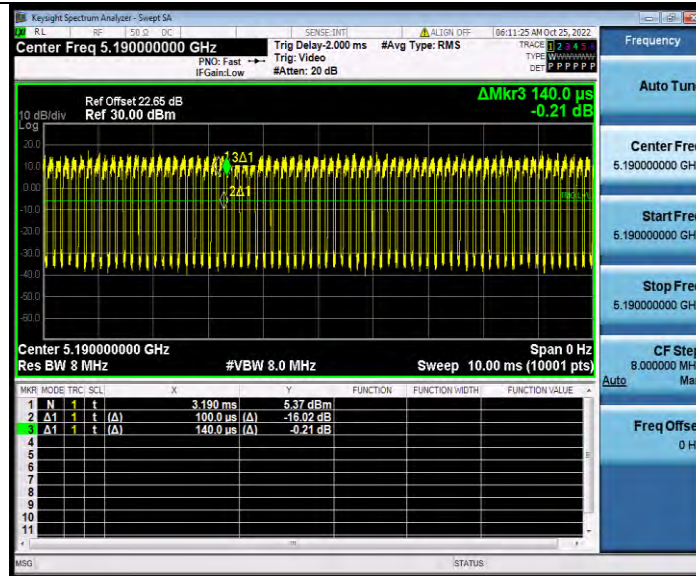


11N40SISO_Ant1_5190

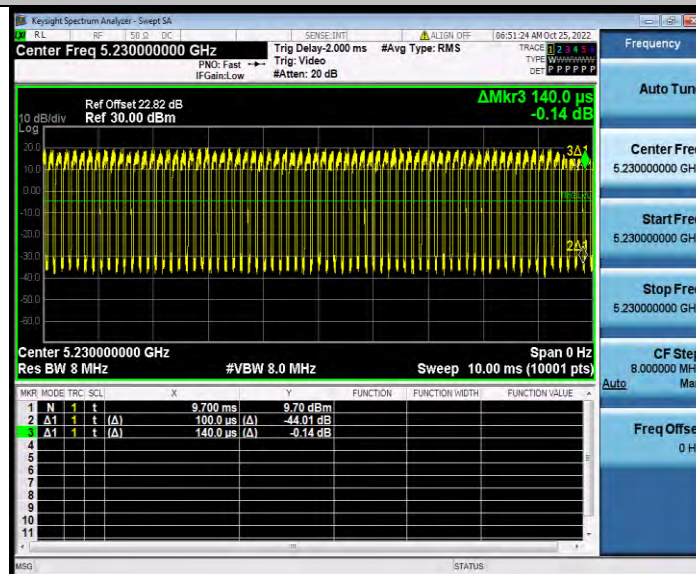


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11N40SISO_Ant1_5230

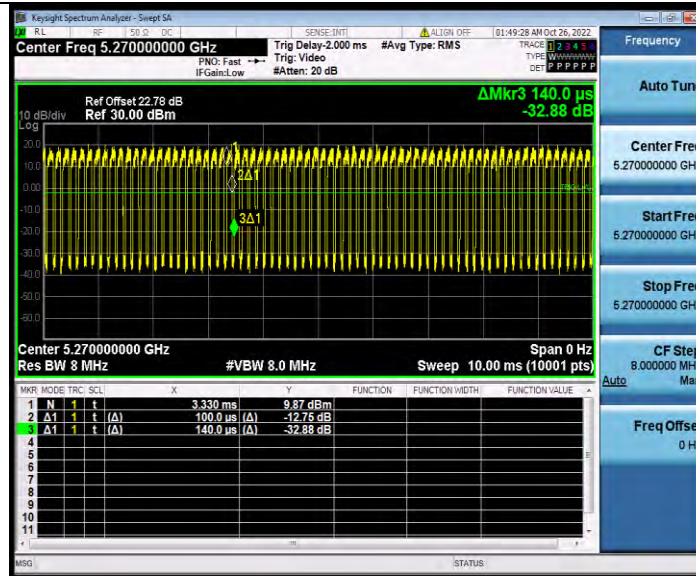


11N40SISO_Ant1_5270

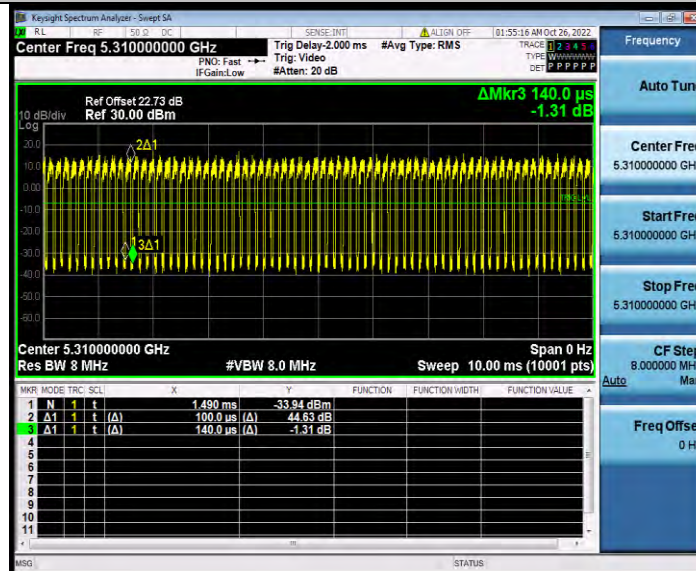


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11N40SISO_Ant1_5310

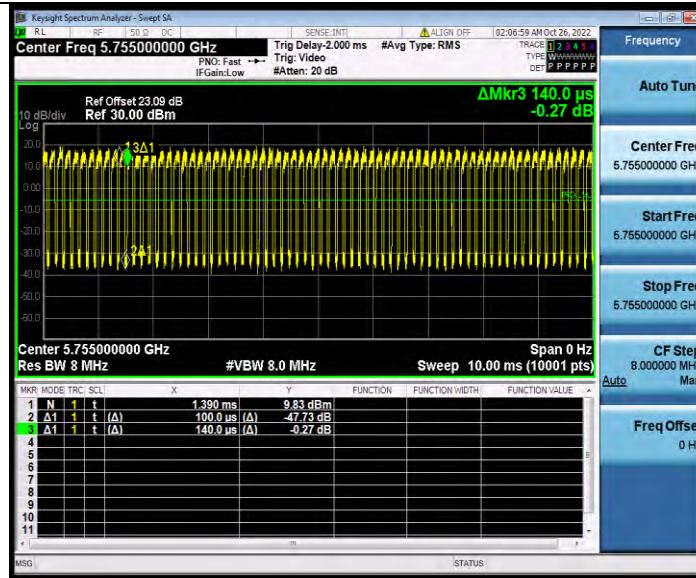


11N40SISO_Ant1_5755

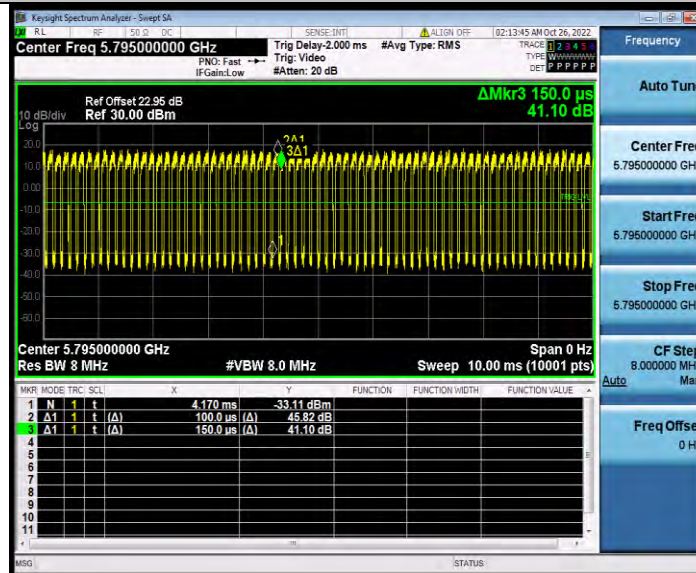


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11N40SISO_Ant1_5795

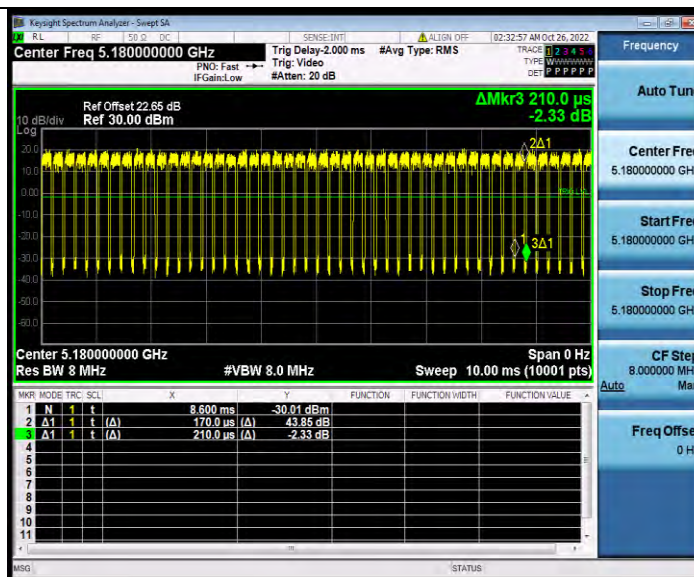


11AC20SISO_Ant1_5180

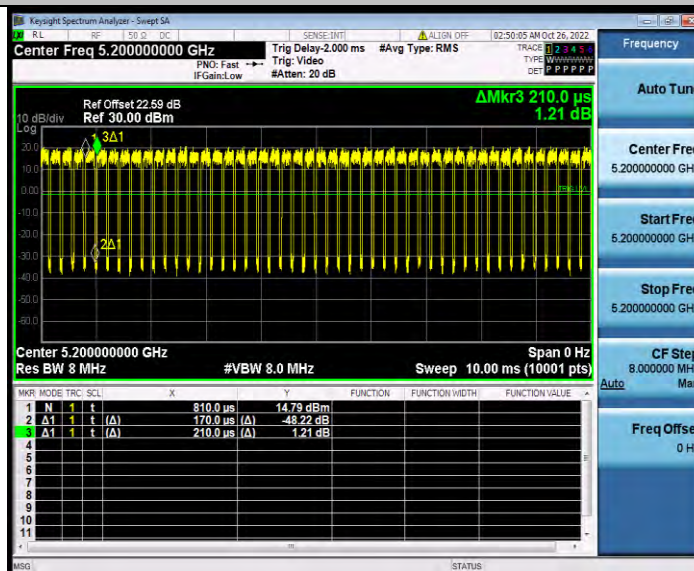


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11AC20SISO_Ant1_5200

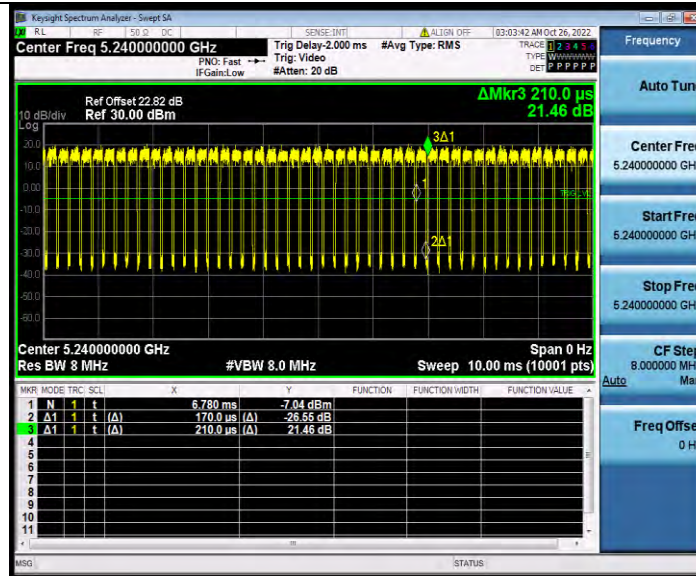


11AC20SISO_Ant1_5240

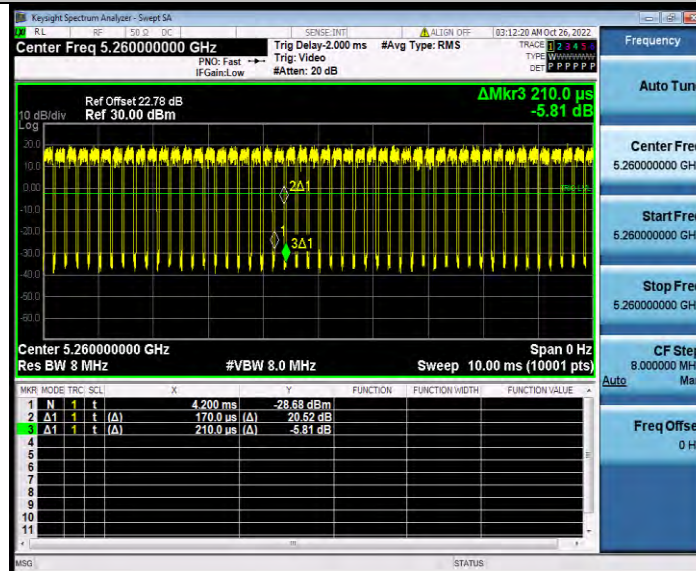


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11AC20SISO_Ant1_5260

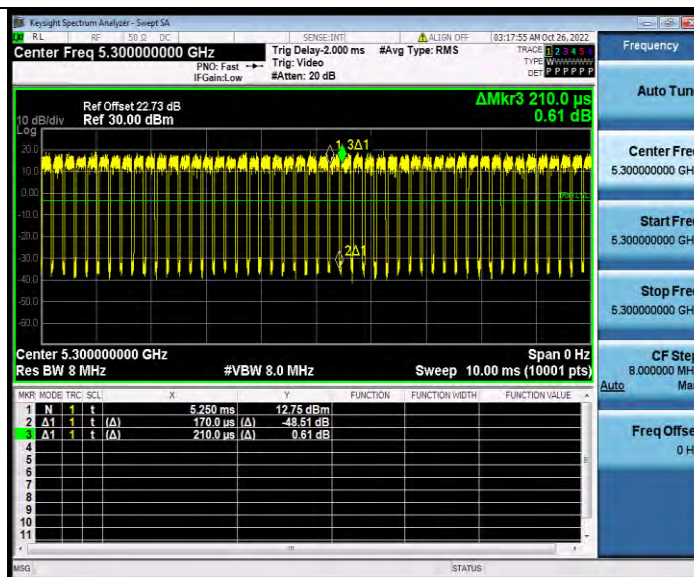


11AC20SISO_Ant1_5300

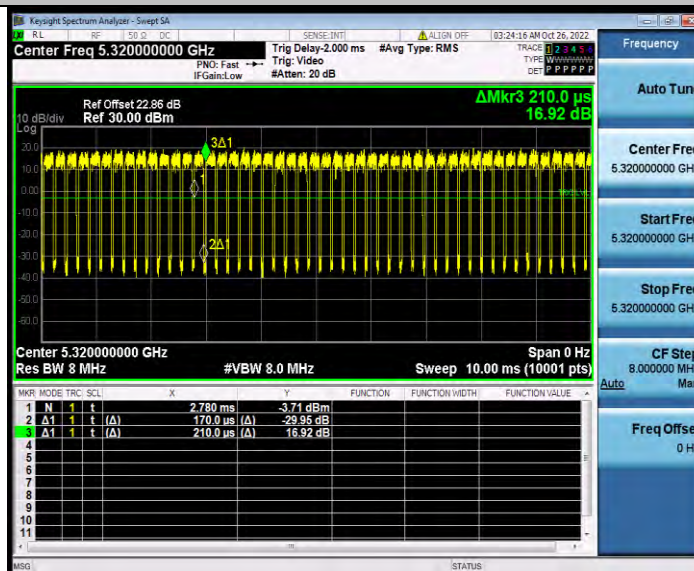


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11AC20SISO_Ant1_5320

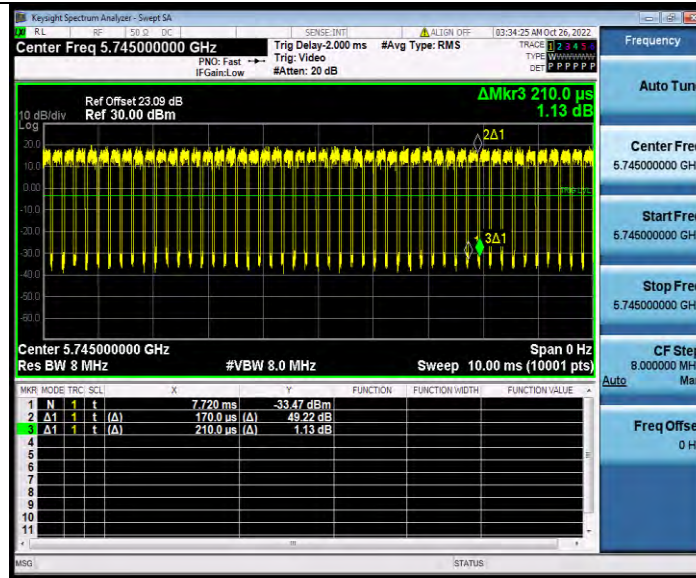


11AC20SISO_Ant1_5745

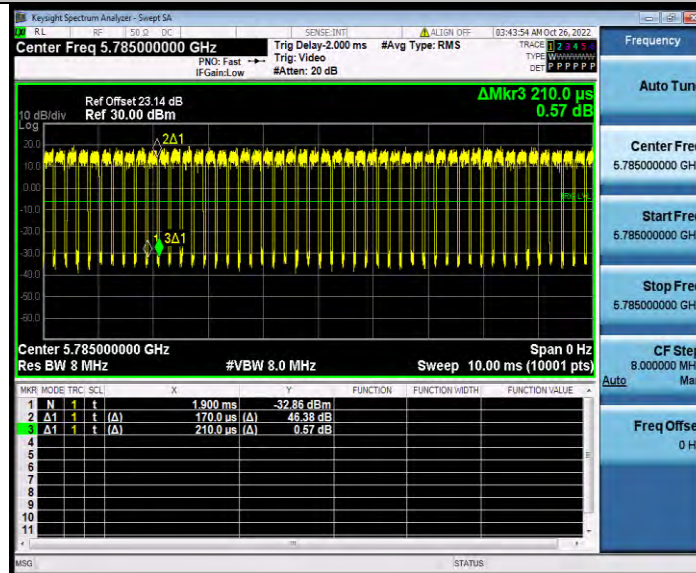


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11AC20SISO_Ant1_5785

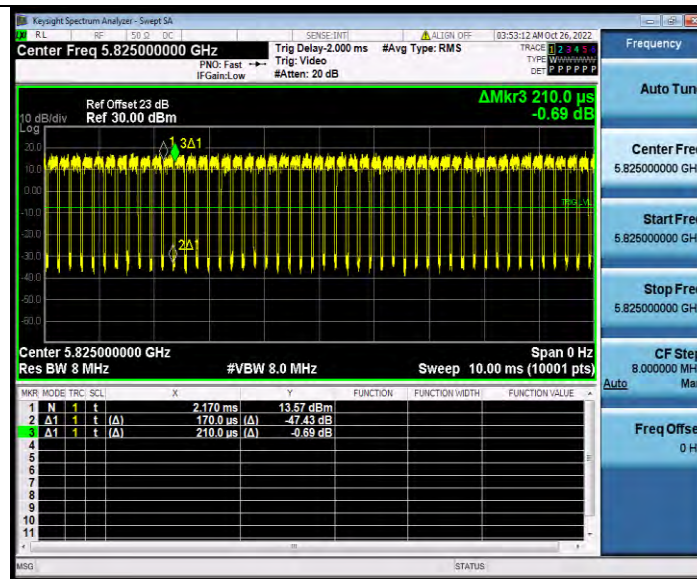


11AC20SISO_Ant1_5825

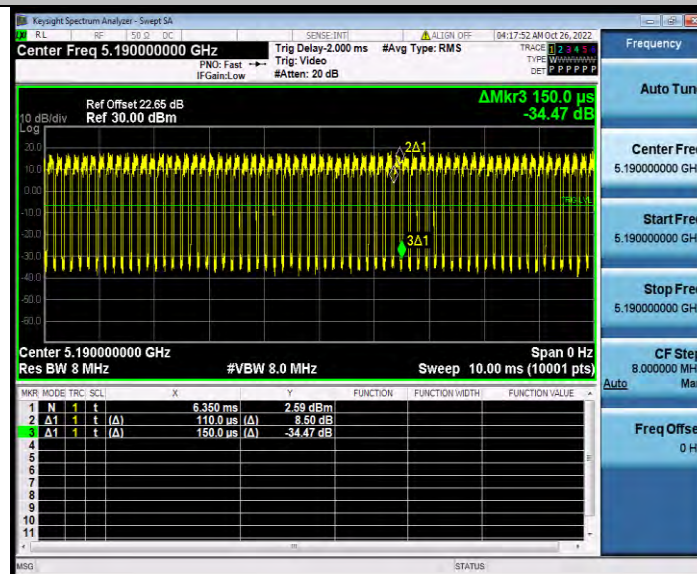


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11AC40SISO_Ant1_5190

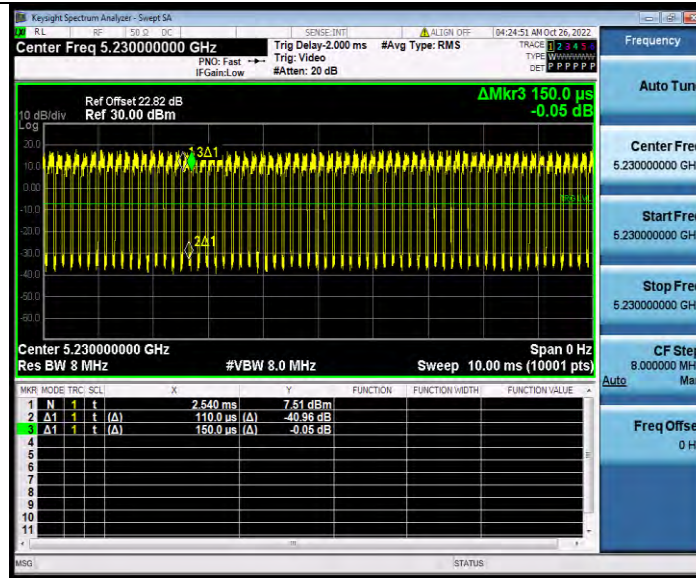


11AC40SISO_Ant1_5230

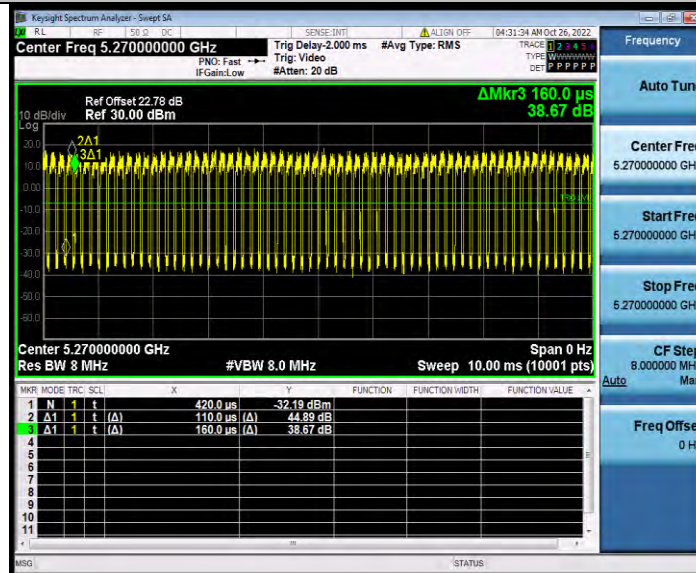


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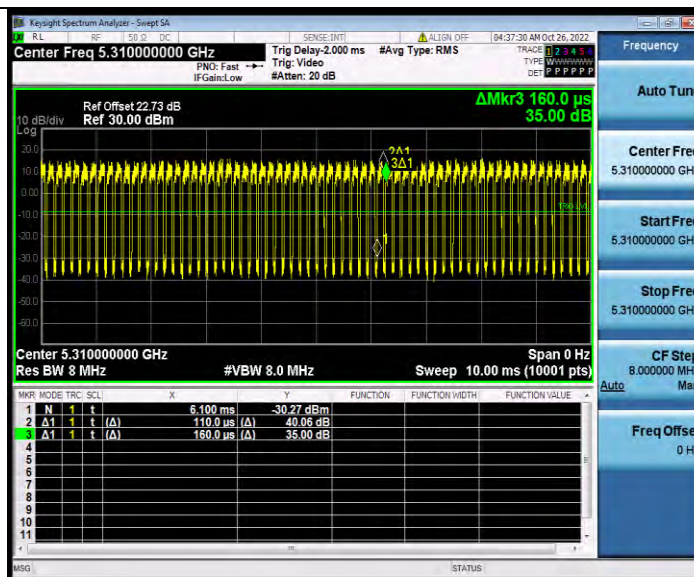
11AC40SISO_Ant1_5270



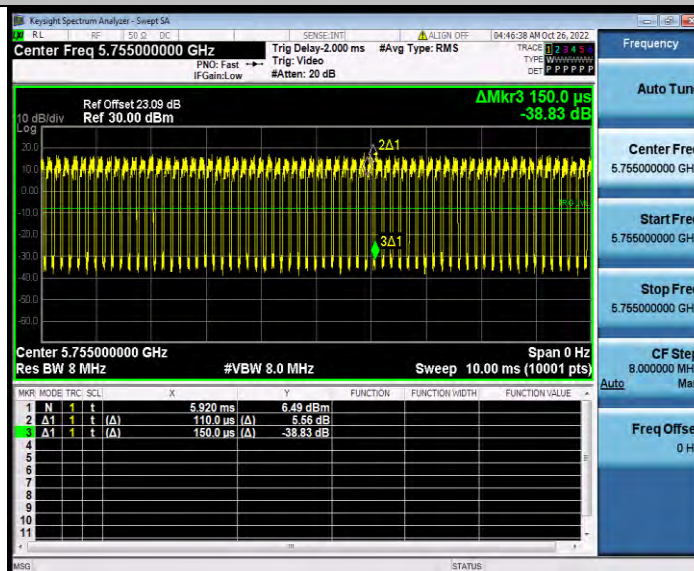
11AC40SISO_Ant1_5310



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11AC40SISO_Ant1_5755

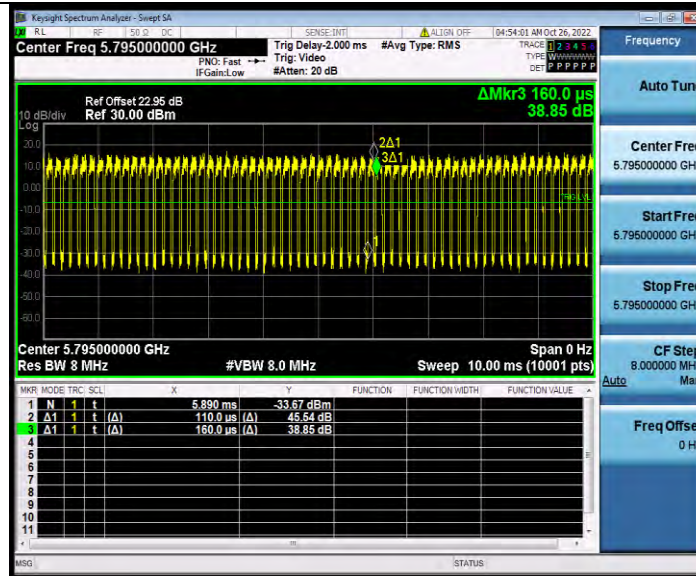


11AC40SISO Ant1 5795

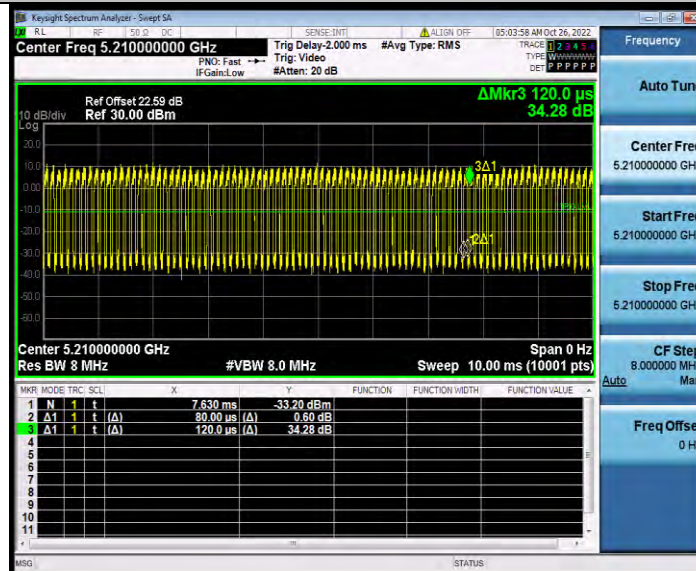


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11AC80SISO_Ant1_5210

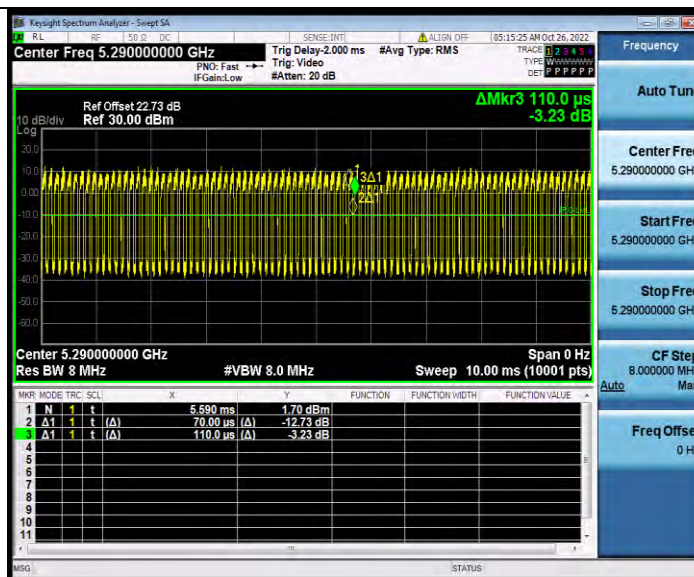


11AC80SISO_Ant1_5290

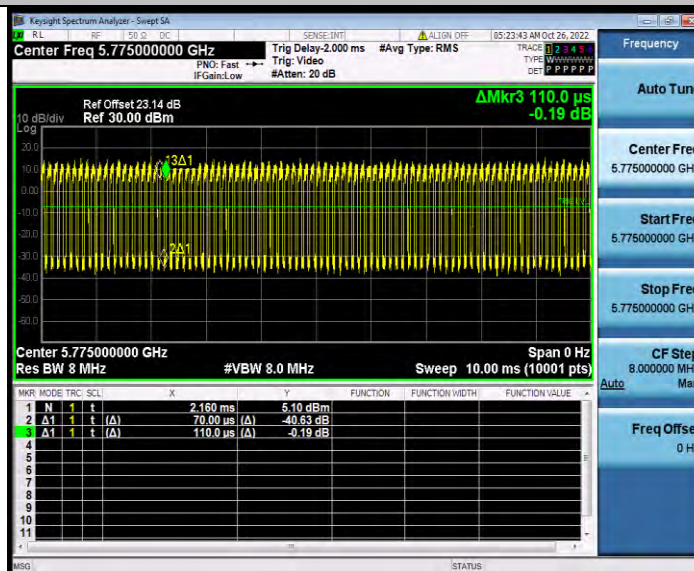


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11AC80SISO_Ant1_5775



MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

Test Mode	Frequency [MHz]	Conducted Power [dBm]	FCC Limit [dBm]	IC Limit [dBm]	EIRP [dBm]	FCC EIRP Limit [dBm]	IC EIRP Limit [dBm]	Verdict	Power Setting
11A	5180	14.90	≤24.00	/	18.10	≤36.00	≤22.40	PASS	14
	5200	16.61	≤24.00	/	19.81	≤36.00	≤22.44	PASS	16.5
	5240	15.47	≤24.00	/	18.67	≤36.00	≤22.54	PASS	15
	5260	16.13	≤24.00	≤23.53	19.33	≤30.00	≤29.53	PASS	17
	5300	15.59	≤24.00	≤23.55	18.79	≤30.00	≤29.55	PASS	17
	5320	13.74	≤24.00	≤23.39	16.94	≤30.00	≤29.39	PASS	14
	5745	14.22	≤30.00	≤30.00	17.42	≤36.00	/	PASS	16
	5785	13.58	≤30.00	≤30.00	16.78	≤36.00	/	PASS	16
	5825	13.18	≤30.00	≤30.00	16.38	≤36.00	/	PASS	16
11N20SISO	5180	11.92	≤24.00	/	15.12	≤36.00	≤22.54	PASS	12.5
	5200	15.52	≤24.00	/	18.72	≤36.00	≤22.59	PASS	16
	5240	15.14	≤24.00	/	18.34	≤36.00	≤22.59	PASS	16
	5260	15.09	≤24.00	≤23.60	18.29	≤30.00	≤24.00	PASS	16
	5300	14.33	≤24.00	≤23.61	17.53	≤30.00	≤29.61	PASS	16
	5320	12.26	≤24.00	≤23.58	15.46	≤30.00	≤29.58	PASS	14
	5745	13.08	≤30.00	≤30.00	16.28	≤36.00	/	PASS	16
	5785	12.37	≤30.00	≤30.00	15.57	≤36.00	/	PASS	16
	5825	11.97	≤30.00	≤30.00	15.17	≤36.00	/	PASS	16
11N40SISO	5190	11.03	≤24.00	/	14.23	≤36.00	≤23.01	PASS	12
	5230	15.19	≤24.00	/	18.39	≤36.00	≤23.01	PASS	17
	5270	14.91	≤24.00	≤24.00	18.11	≤30.00	≤30.00	PASS	17
	5310	10.68	≤24.00	≤24.00	13.88	≤30.00	≤30.00	PASS	13
	5755	13.36	≤30.00	≤30.00	16.56	≤36.00	/	PASS	17
	5795	12.56	≤30.00	≤30.00	15.76	≤36.00	/	PASS	17
11AC20SISO	5180	13.03	≤24.00	/	16.23	≤36.00	≤22.59	PASS	14
	5200	13.05	≤24.00	/	16.25	≤30.00	≤22.58	PASS	14
	5240	12.98	≤24.00	/	16.18	≤30.00	≤22.60	PASS	14
	5260	12.78	≤24.00	≤23.58	15.98	≤30.00	≤24.00	PASS	14
	5300	12.24	≤24.00	≤23.62	15.44	≤30.00	≤29.62	PASS	14

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	5320	11.92	≤24.00	≤23.59	15.12	≤30.00	≤29.59	PASS	14
	5745	11.18	≤30.00	≤30.00	14.38	≤36.00	/	PASS	14
	5785	10.47	≤30.00	≤30.00	13.67	≤36.00	/	PASS	14
	5825	10.03	≤30.00	≤30.00	13.23	≤36.00	/	PASS	14
11AC40SIS O	5190	9.82	≤24.00	/	13.02	≤36.00	≤23.01	PASS	12
	5230	12.97	≤24.00	/	16.17	≤36.00	≤23.01	PASS	14
	5270	12.55	≤24.00	≤24.00	15.75	≤30.00	≤30.00	PASS	14
	5310	10.77	≤24.00	≤24.00	13.97	≤30.00	≤30.00	PASS	13
	5755	11.01	≤30.00	≤30.00	14.21	≤36.00	/	PASS	14
	5795	10.55	≤30.00	≤30.00	13.75	≤36.00	/	PASS	14
11AC80SIS O	5210	8.44	≤24.00	/	11.64	≤36.00	≤23.01	PASS	10
	5290	9.43	≤24.00	≤24.00	12.63	≤30.00	≤30.00	PASS	12.5
	5775	10.97	≤30.00	≤30.00	14.17	≤36.00	/	PASS	16

Note: The Duty Cycle Factor is compensated in the Conducted Power Value.

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	EIRP PSD [dBm/MHz]	EIRP PSD Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.52	≤11.00	7.72	≤10.00	PASS
		5200	6.21	≤11.00	9.41	≤10.00	PASS
		5240	6.51	≤11.00	9.71	≤10.00	PASS
		5260	6.61	≤11.00	9.81	/	PASS
		5300	5.56	≤11.00	8.76	/	PASS
		5320	2.62	≤11.00	5.82	/	PASS
		5745	1.8	≤30.00	5.00	/	PASS
		5785	0.99	≤30.00	4.19	/	PASS
		5825	0.09	≤30.00	3.29	/	PASS
11N20SISO	Ant1	5180	1.89	≤11.00	5.09	≤10.00	PASS
		5200	5.5	≤11.00	8.70	≤10.00	PASS
		5240	5.22	≤11.00	8.42	≤10.00	PASS
		5260	5.06	≤11.00	8.26	/	PASS
		5300	4	≤11.00	7.20	/	PASS
		5320	1.81	≤11.00	5.01	/	PASS
		5745	1.05	≤30.00	4.25	/	PASS
		5785	0.49	≤30.00	3.69	/	PASS
		5825	-0.32	≤30.00	2.88	/	PASS
11N40SISO	Ant1	5190	-0.99	≤11.00	2.21	≤10.00	PASS
		5230	3.21	≤11.00	6.41	≤10.00	PASS
		5270	4.03	≤11.00	7.23	/	PASS
		5310	-2.06	≤11.00	1.14	/	PASS
		5755	0.6	≤30.00	3.80	/	PASS
		5795	0.02	≤30.00	3.22	/	PASS
11AC20SISO	Ant1	5180	5.12	≤11.00	8.32	≤10.00	PASS
		5200	4.48	≤11.00	7.68	≤10.00	PASS
		5240	3.77	≤11.00	6.97	≤10.00	PASS
		5260	3.84	≤11.00	7.04	/	PASS
		5300	2.42	≤11.00	5.62	/	PASS



		5320	3.26	≤ 11.00	6.46	/	PASS
		5745	0.17	≤ 30.00	3.37	/	PASS
		5785	0.36	≤ 30.00	3.56	/	PASS
		5825	-0.55	≤ 30.00	2.65	/	PASS
11AC40SISO	Ant1	5190	1.18	≤ 11.00	4.38	≤ 10.00	PASS
		5230	0.63	≤ 11.00	3.83	≤ 10.00	PASS
		5270	0.48	≤ 11.00	3.68	/	PASS
		5310	-1.3	≤ 11.00	1.90	/	PASS
		5755	-2.63	≤ 30.00	0.57	/	PASS
		5795	-2.87	≤ 30.00	0.33	/	PASS
11AC80SISO	Ant1	5210	-5.98	≤ 11.00	-2.78	≤ 10.00	PASS
		5290	-5.07	≤ 11.00	-1.87	/	PASS
		5775	-4.33	≤ 30.00	-1.13	/	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

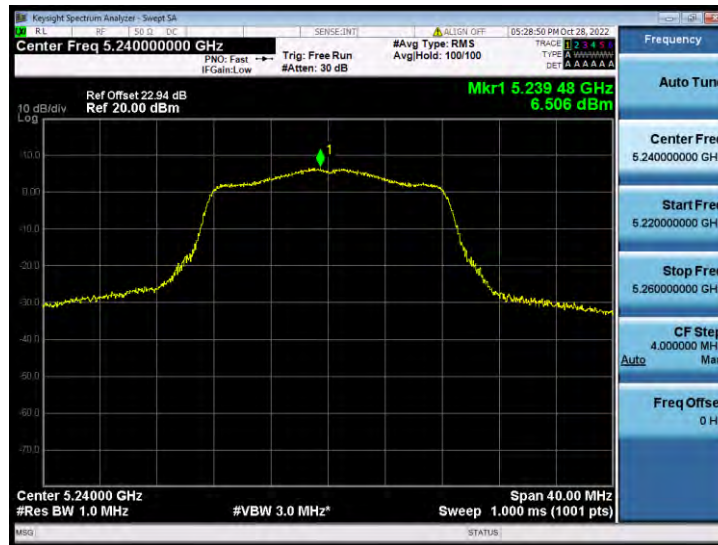


11A_Ant1_5240



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11A_Ant1_5260



11A_Ant1_5300



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11A_Ant1_5320



11A_Ant1_5745



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Test Report No.: W7L-P22090035RF03



11A_Ant1_5785



11A_Ant1_5825



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Test Report No.: W7L-P22090035RF03



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



BUREAU
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Test Report No.: W7L-P22090035RF03



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



BUREAU
VERITAS

Test Report No.: W7L-P22090035RF03



11N20SISO_Ant1_5300



11N20SISO_Ant1_5320



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Test Report No.: W7L-P22090035RF03



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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Test Report No.: W7L-P22090035RF03



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



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Test Report No.: W7L-P22090035RF03



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



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Test Report No.: W7L-P22090035RF03



11N40SISO_Ant1_5310



11N40SISO_Ant1_5755



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Test Report No.: W7L-P22090035RF03



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



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Test Report No.: W7L-P22090035RF03



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



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Test Report No.: W7L-P22090035RF03



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5300



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Test Report No.: W7L-P22090035RF03



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5745



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Test Report No.: W7L-P22090035RF03



11AC20SISO_Ant1_5785

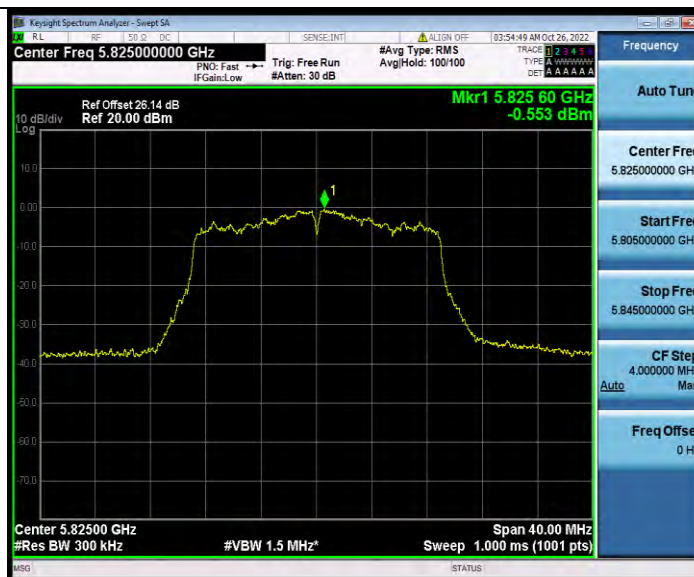


11AC20SISO_Ant1_5825



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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



BUREAU
VERITAS

Test Report No.: W7L-P22090035RF03



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310

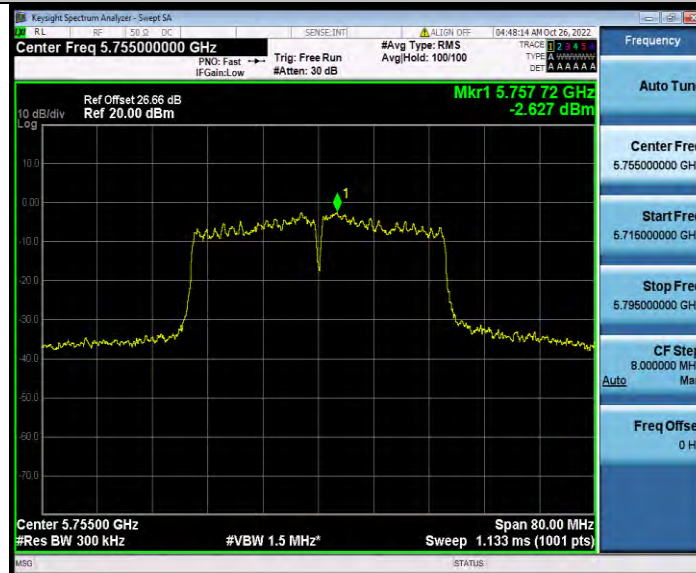


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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



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VERITAS

Test Report No.: W7L-P22090035RF03



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