



CTC Laboratories, Inc.

Appendix for 5G WIFI

FCC ID: 2AZU3-9101UGL

Applicant: Matrixed Reality Technology Co., Ltd.

**Address: No.6, Xingchuang 2nd Rd., Xinwu Dist., Wuxi,
China**

Product Name: Nreal Computing Unit

EUT Model: NR-9101UGL



Table of Contents

APPENDIX A1: EMISSION BANDWIDTH.....	3
Test Result	3
Test Graphs	6
APPENDIX A2: OCCUPIED BANDWIDTH	54
Test Result	54
Test Graphs	57
APPENDIX A3: MIN EMISSION BANDWIDTH.....	105
Test Result	105
Test Graphs	106
APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER	118
Test Result	118
APPENDIX C: MAXIMUM POWER SPECTRAL DENSITY.....	122
Test Result	122
Test Graphs	126
APPENDIX D: FREQUENCY STABILITY.....	174
Test Result	174



Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency (MHz)	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.240	5168.960	5191.200	---	PASS
	Ant2	5180	21.520	5169.320	5190.840	---	PASS
	Ant1	5200	22.280	5188.880	5211.160	---	PASS
	Ant2	5200	21.640	5189.240	5210.880	---	PASS
	Ant1	5240	22.240	5228.920	5251.160	---	PASS
	Ant2	5240	23.440	5228.320	5251.760	---	PASS
	Ant1	5260	22.280	5248.880	5271.160	---	PASS
	Ant2	5260	21.560	5249.360	5270.920	---	PASS
	Ant1	5280	22.280	5268.880	5291.160	---	PASS
	Ant2	5280	21.560	5269.360	5290.920	---	PASS
	Ant1	5320	22.240	5308.920	5331.160	---	PASS
	Ant2	5320	21.520	5309.280	5330.800	---	PASS
	Ant1	5500	22.240	5488.920	5511.160	---	PASS
	Ant2	5500	21.440	5489.360	5510.800	---	PASS
	Ant1	5580	22.520	5568.880	5591.400	---	PASS
	Ant2	5580	21.240	5569.600	5590.840	---	PASS
	Ant1	5700	22.280	5688.880	5711.160	---	PASS
	Ant2	5700	21.440	5689.360	5710.800	---	PASS
	Ant1	5745	22.600	5733.840	5756.440	---	PASS
	Ant2	5745	21.440	5734.360	5755.800	---	PASS
	Ant1	5785	22.800	5773.680	5796.480	---	PASS
	Ant2	5785	21.480	5774.360	5795.840	---	PASS
	Ant1	5825	22.840	5813.320	5836.160	---	PASS
	Ant2	5825	21.800	5814.200	5836.000	---	PASS
11N20MIMO	Ant1	5180	23.120	5168.680	5191.800	---	PASS
	Ant2	5180	23.360	5168.480	5191.840	---	PASS
	Ant1	5200	23.080	5188.680	5211.760	---	PASS
	Ant2	5200	23.160	5188.480	5211.640	---	PASS
	Ant1	5240	23.040	5228.680	5251.720	---	PASS
	Ant2	5240	23.720	5228.480	5252.200	---	PASS
	Ant1	5260	22.840	5248.920	5271.760	---	PASS
	Ant2	5260	21.960	5249.000	5270.960	---	PASS
	Ant1	5280	23.400	5268.400	5291.800	---	PASS
	Ant2	5280	23.160	5268.440	5291.600	---	PASS
	Ant1	5320	23.080	5308.720	5331.800	---	PASS
	Ant2	5320	21.560	5309.320	5330.880	---	PASS
	Ant1	5500	22.560	5488.760	5511.320	---	PASS



CTC Laboratories, Inc.

	Ant2	5500	22.440	5488.920	5511.360	---	PASS
	Ant1	5580	22.640	5568.760	5591.400	---	PASS
	Ant2	5580	21.800	5569.080	5590.880	---	PASS
	Ant1	5700	23.040	5688.800	5711.840	---	PASS
	Ant2	5700	22.760	5688.480	5711.240	---	PASS
	Ant1	5745	22.600	5733.800	5756.400	---	PASS
	Ant2	5745	21.840	5734.080	5755.920	---	PASS
	Ant1	5785	23.160	5773.680	5796.840	---	PASS
	Ant2	5785	21.880	5774.000	5795.880	---	PASS
	Ant1	5825	23.760	5813.680	5837.440	---	PASS
	Ant2	5825	21.920	5813.960	5835.880	---	PASS
11N40MIMO	Ant1	5190	42.080	5168.880	5210.960	---	PASS
	Ant2	5190	40.880	5169.600	5210.480	---	PASS
	Ant1	5230	41.920	5208.880	5250.800	---	PASS
	Ant2	5230	40.880	5209.600	5250.480	---	PASS
	Ant1	5270	42.000	5248.880	5290.880	---	PASS
	Ant2	5270	41.120	5249.520	5290.640	---	PASS
	Ant1	5310	42.000	5289.040	5331.040	---	PASS
	Ant2	5310	41.360	5289.440	5330.800	---	PASS
	Ant1	5510	42.240	5489.040	5531.280	---	PASS
	Ant2	5510	41.600	5489.280	5530.880	---	PASS
	Ant1	5550	42.080	5528.880	5570.960	---	PASS
	Ant2	5550	41.760	5529.200	5570.960	---	PASS
	Ant1	5670	42.080	5648.880	5690.960	---	PASS
	Ant2	5670	41.040	5649.840	5690.880	---	PASS
	Ant1	5755	42.320	5733.720	5776.040	---	PASS
	Ant2	5755	40.800	5734.680	5775.480	---	PASS
	Ant1	5795	42.240	5773.720	5815.960	---	PASS
	Ant2	5795	40.960	5774.600	5815.560	---	PASS
11AC20MIMO	Ant1	5180	23.480	5168.160	5191.640	---	PASS
	Ant2	5180	23.200	5168.440	5191.640	---	PASS
	Ant1	5200	23.280	5188.320	5211.600	---	PASS
	Ant2	5200	22.080	5189.240	5211.320	---	PASS
	Ant1	5240	23.400	5228.320	5251.720	---	PASS
	Ant2	5240	22.160	5229.200	5251.360	---	PASS
	Ant1	5260	22.840	5248.360	5271.200	---	PASS
	Ant2	5260	22.360	5249.280	5271.640	---	PASS
	Ant1	5280	23.160	5268.080	5291.240	---	PASS
	Ant2	5280	22.080	5269.240	5291.320	---	PASS
	Ant1	5320	22.920	5309.120	5332.040	---	PASS
	Ant2	5320	23.280	5308.720	5332.000	---	PASS
	Ant1	5500	22.880	5488.320	5511.200	---	PASS
	Ant2	5500	21.760	5489.320	5511.080	---	PASS



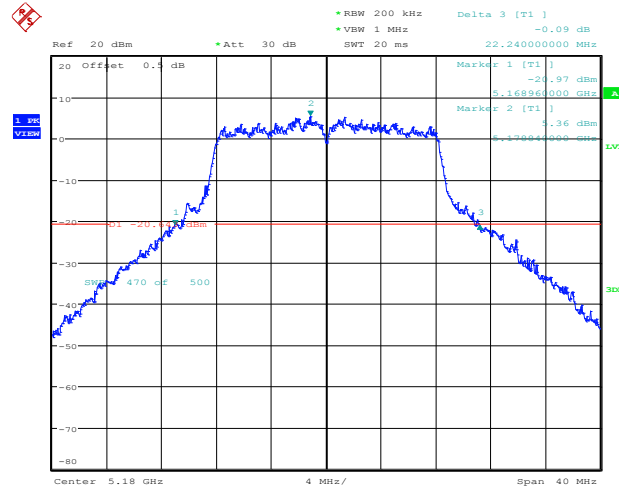
CTC Laboratories, Inc.

	Ant1	5580	23.280	5568.320	5591.600	---	PASS
	Ant2	5580	23.680	5568.360	5592.040	---	PASS
	Ant1	5700	23.480	5688.240	5711.720	---	PASS
	Ant2	5700	22.200	5688.960	5711.160	---	PASS
	Ant1	5745	23.560	5733.160	5756.720	---	PASS
	Ant2	5745	21.840	5734.240	5756.080	---	PASS
	Ant1	5785	23.960	5773.200	5797.160	---	PASS
	Ant2	5785	22.520	5774.120	5796.640	---	PASS
	Ant1	5825	23.560	5813.120	5836.680	---	PASS
	Ant2	5825	22.120	5814.200	5836.320	---	PASS
11AC40MIMO	Ant1	5190	41.600	5169.200	5210.800	---	PASS
	Ant2	5190	41.680	5169.200	5210.880	---	PASS
	Ant1	5230	41.440	5209.280	5250.720	---	PASS
	Ant2	5230	41.360	5209.200	5250.560	---	PASS
	Ant1	5270	41.600	5249.200	5290.800	---	PASS
	Ant2	5270	41.360	5249.360	5290.720	---	PASS
	Ant1	5310	41.680	5289.280	5330.960	---	PASS
	Ant2	5310	41.600	5289.200	5330.800	---	PASS
	Ant1	5510	41.520	5489.280	5530.800	---	PASS
	Ant2	5510	40.880	5489.680	5530.560	---	PASS
	Ant1	5550	45.040	5527.040	5572.080	---	PASS
	Ant2	5550	41.440	5529.440	5570.880	---	PASS
	Ant1	5670	41.440	5649.360	5690.800	---	PASS
	Ant2	5670	41.120	5649.760	5690.880	---	PASS
	Ant1	5755	41.840	5734.280	5776.120	---	PASS
	Ant2	5755	40.960	5734.680	5775.640	---	PASS
11AC80MIMO	Ant1	5210	84.000	5168.080	5252.080	---	PASS
	Ant2	5210	82.720	5168.560	5251.280	---	PASS
	Ant1	5290	84.960	5247.760	5332.720	---	PASS
	Ant2	5290	82.080	5249.840	5331.920	---	PASS
	Ant1	5530	84.160	5488.080	5572.240	---	PASS
	Ant2	5530	83.840	5488.240	5572.080	---	PASS
	Ant1	5610	84.800	5567.760	5652.560	---	PASS
	Ant2	5610	81.600	5569.840	5651.440	---	PASS
	Ant1	5775	85.120	5732.600	5817.720	---	PASS
	Ant2	5775	82.400	5733.720	5816.120	---	PASS



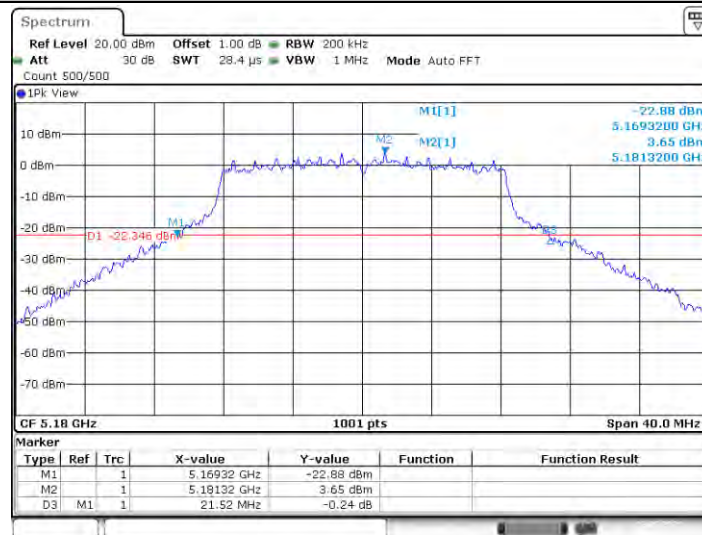
Test Graphs

11A_Ant1_5180



Date: 23.NOV.2020 17:17:10

11A_Ant2_5180

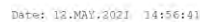


Date: 12.MAY.2021 14:55:12

11A_Ant1_5200

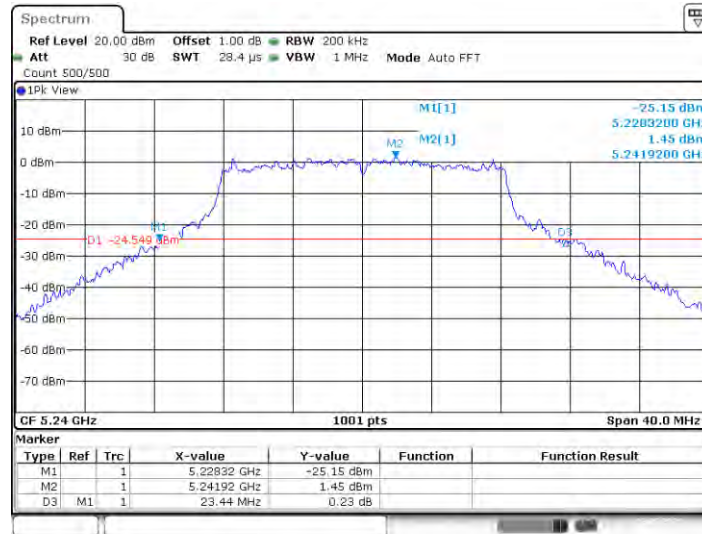


11A_Ant1_5240



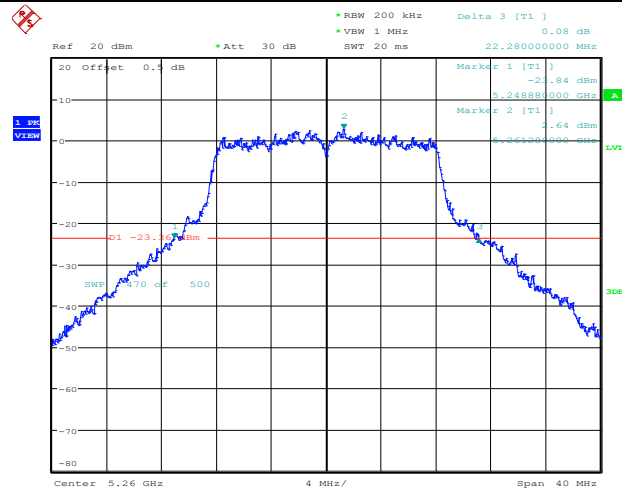


11A_Ant2_5240



Date: 12.MAY.2021 14:58:12

11A_Ant1_5260

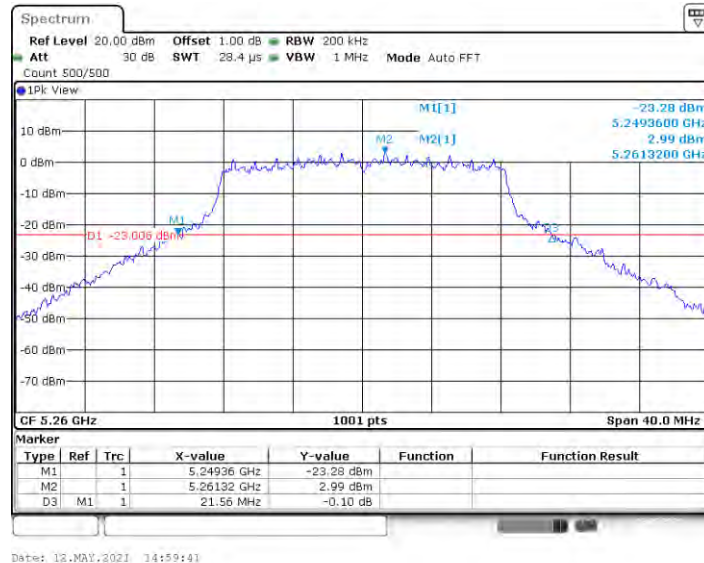


Date: 23.NOV.2020 17:27:35

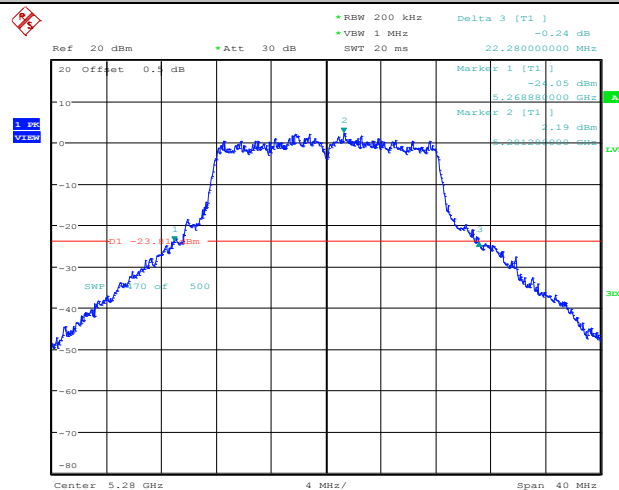
11A_Ant2_5260



CTC Laboratories, Inc.

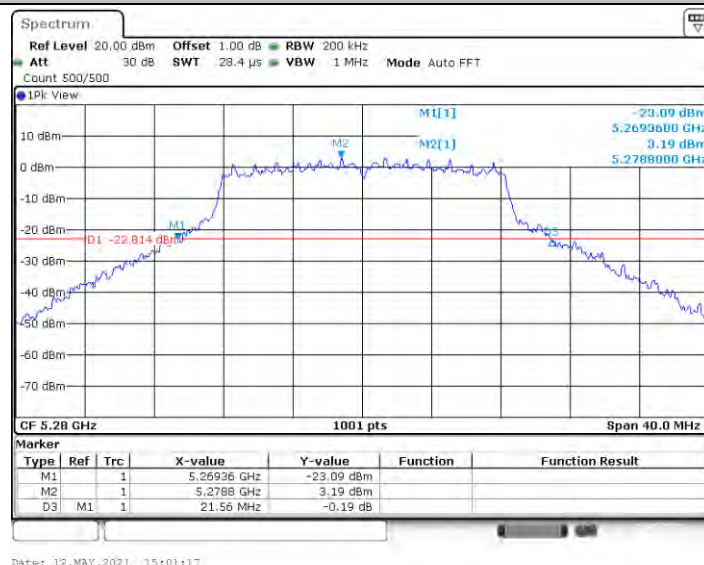


11A_Ant1_5280



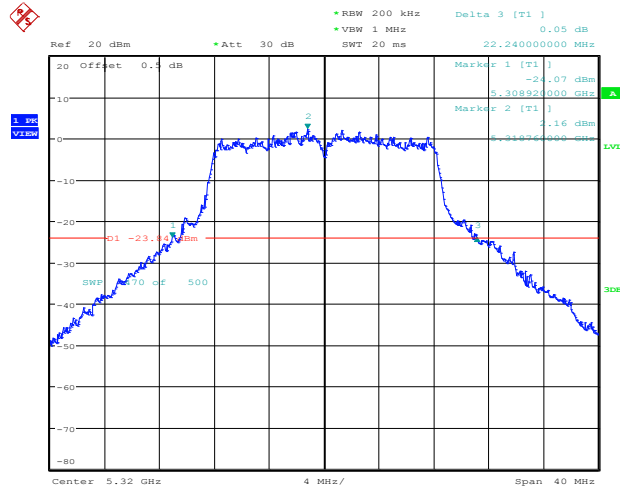
Date: 23.NOV.2020 17:30:02

11A_Ant2_5280



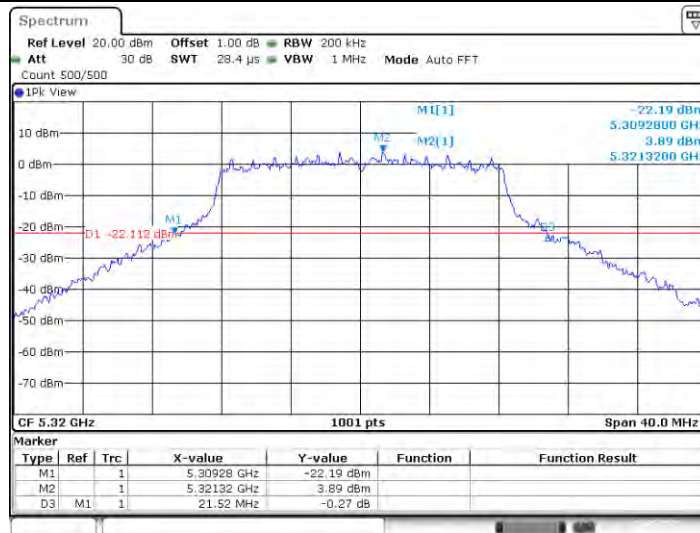


11A_Ant1_5320



Date: 23.NOV.2020 17:31:56

11A_Ant2_5320

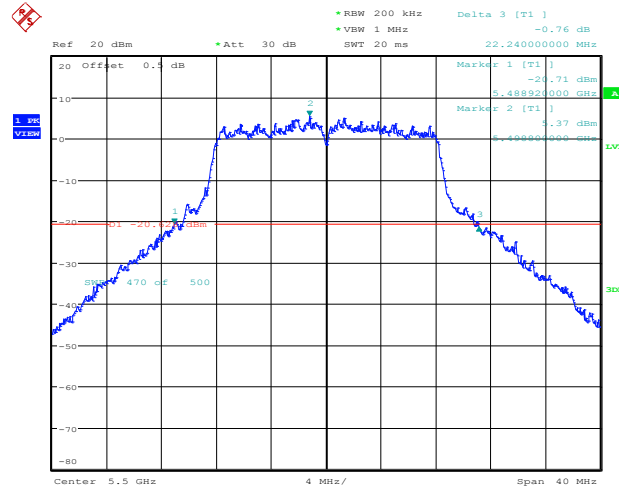


Date: 12.MAY.2021 15:02:40

11A_Ant1_5500

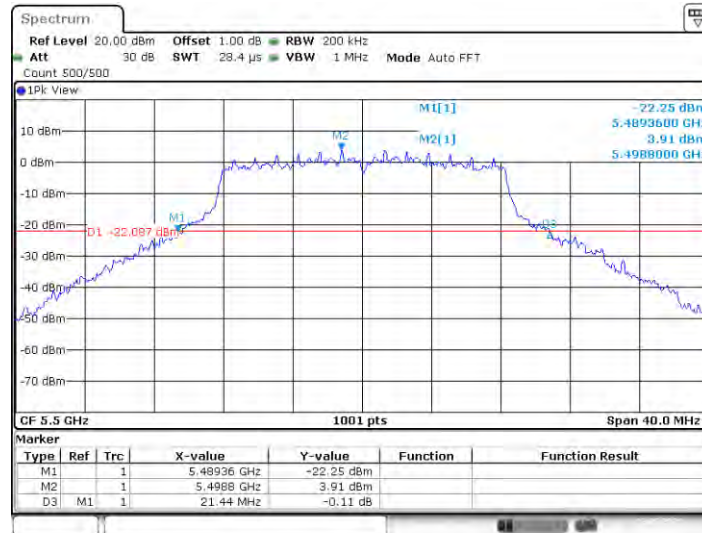


CTC Laboratories, Inc.



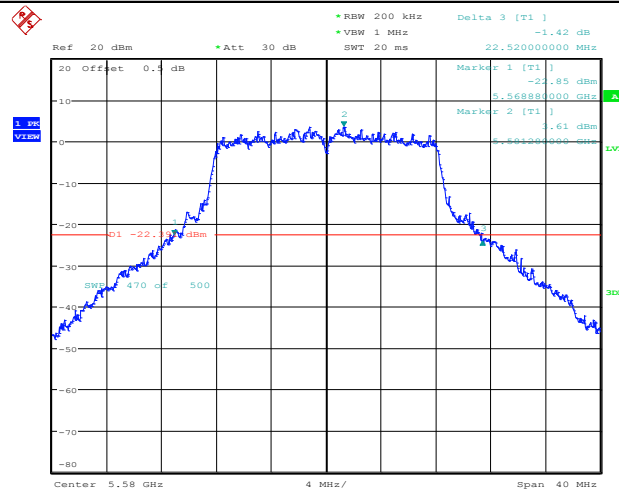
Date: 23.NOV.2020 17:34:56

11A_Ant2_5500



Date: 12.MAY.2021 15:04:21

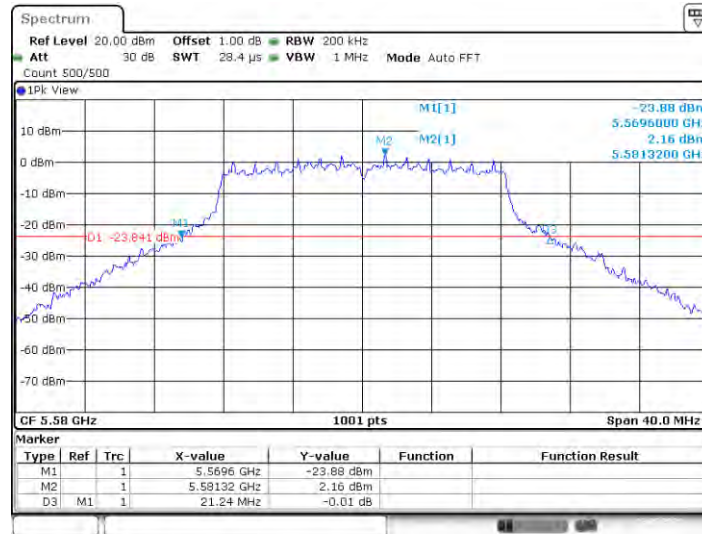
11A_Ant1_5580



Date: 23.NOV.2020 17:38:23

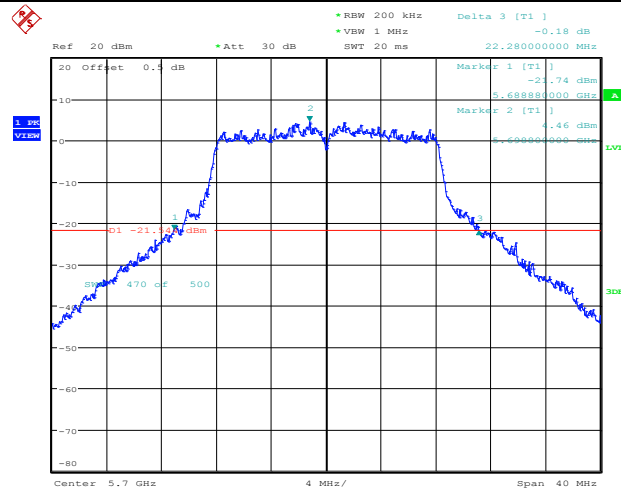


11A_Ant2_5580



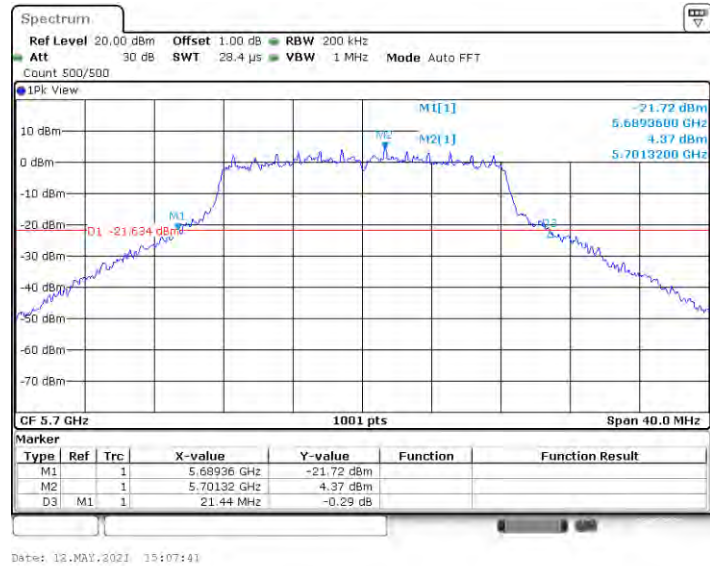
Date: 12.MAY.2021 15:05:50

11A_Ant1_5700

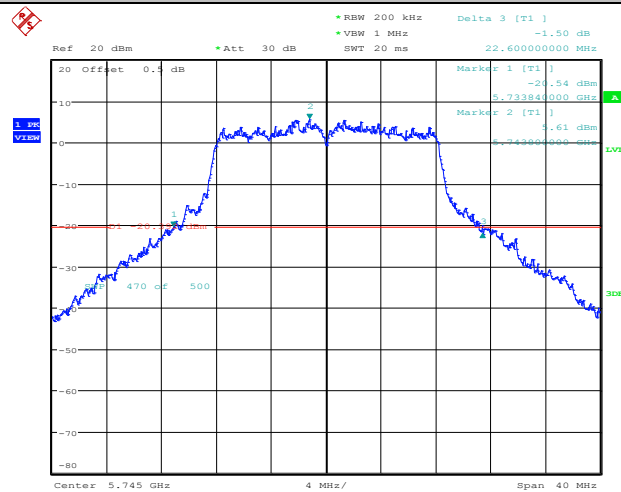


Date: 23.NOV.2020 17:40:24

11A_Ant2_5700



11A_Ant1_5745



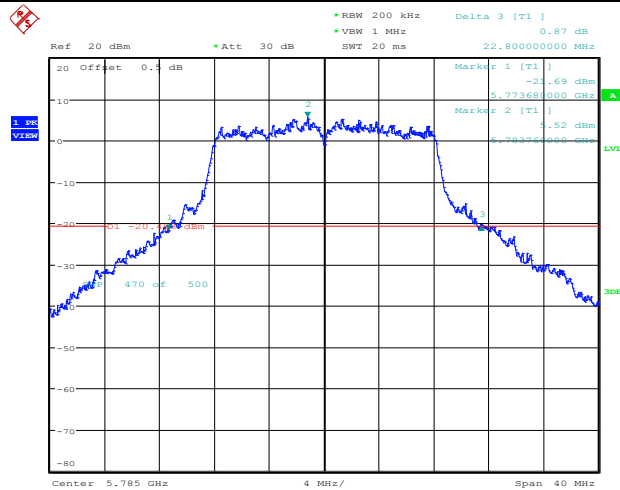
Date: 23.NOV.2020 17:44:19

11A_Ant2_5745



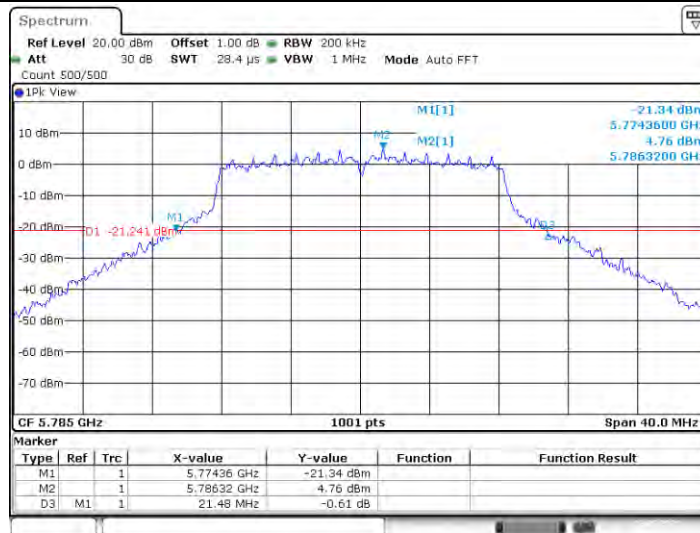


11A_Ant1_5785



Date: 23.NOV.2020 17:47:46

11A_Ant2_5785

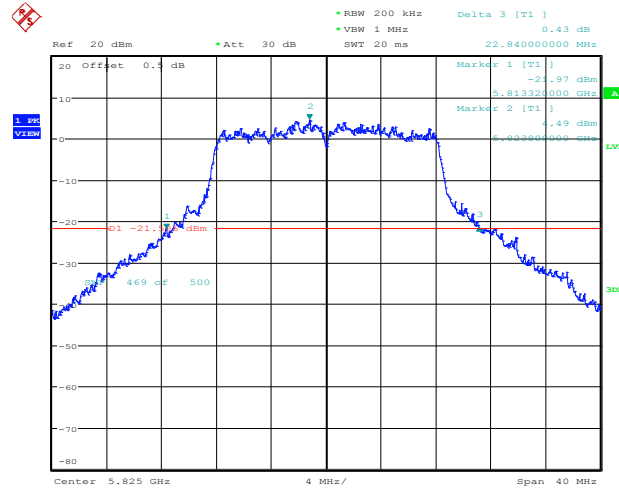


Date: 18.MAY.2021 15:12:07

11A_Ant1_5825

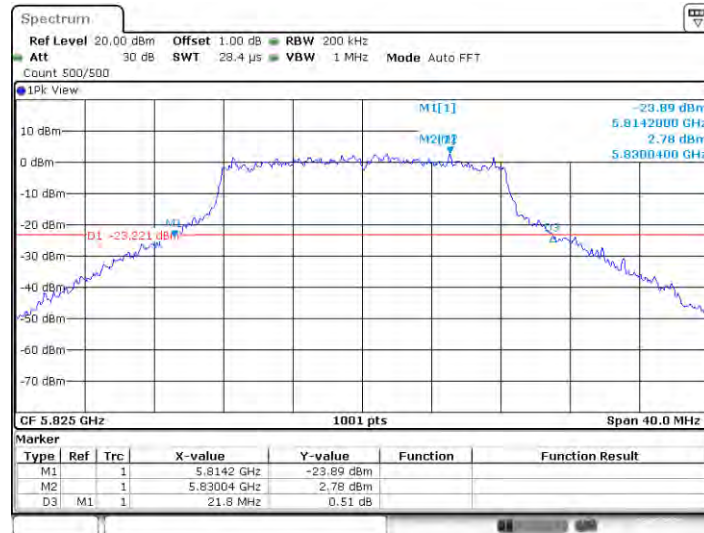


CTC Laboratories, Inc.



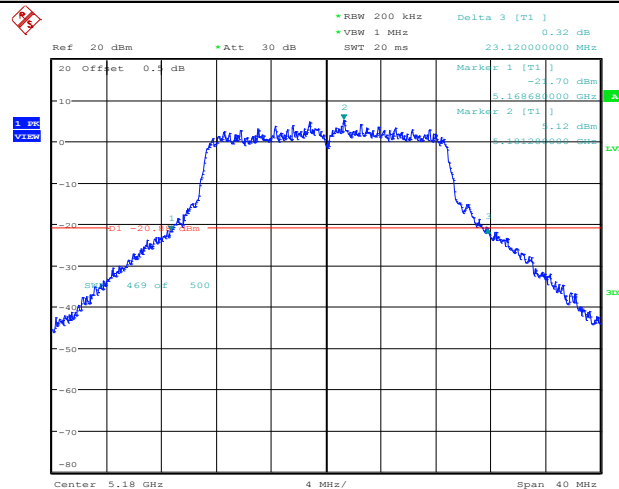
Date: 23.NOV.2020 17:50:05

11A_Ant2_5825



Date: 12.MAY.2021 15:12:58

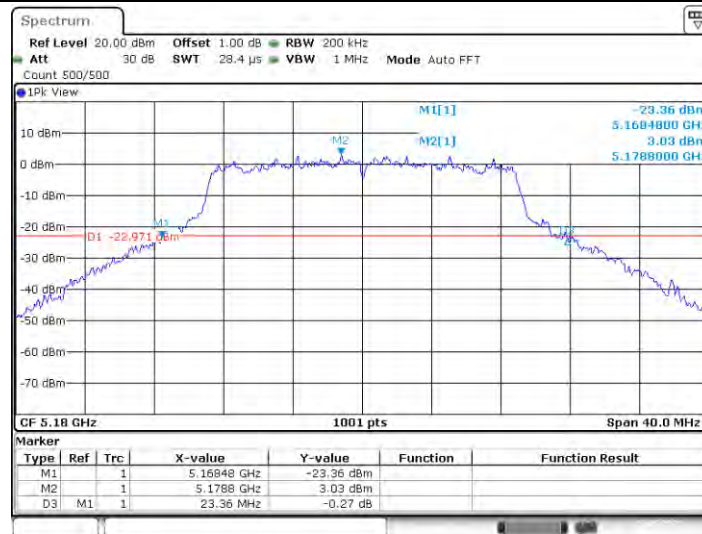
11N20MIMO_Ant1_5180



Date: 24.NOV.2020 11:29:34

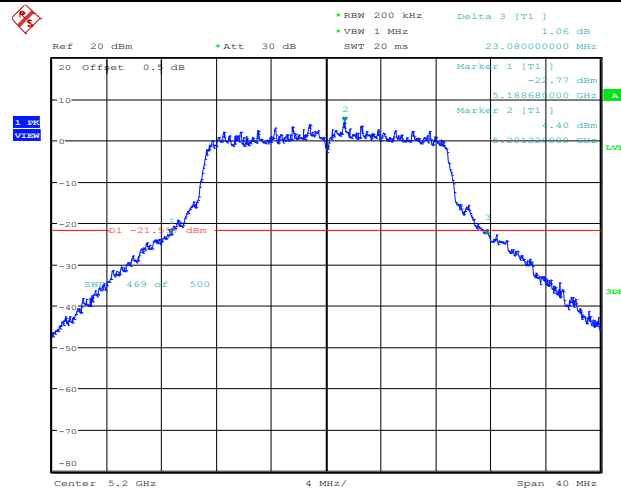


11N20MIMO_Ant2_5180



Date: 18.MAY.2021 15:15:49

11N20MIMO_Ant1_5200



Date: 24.NOV.2020 11:32:47

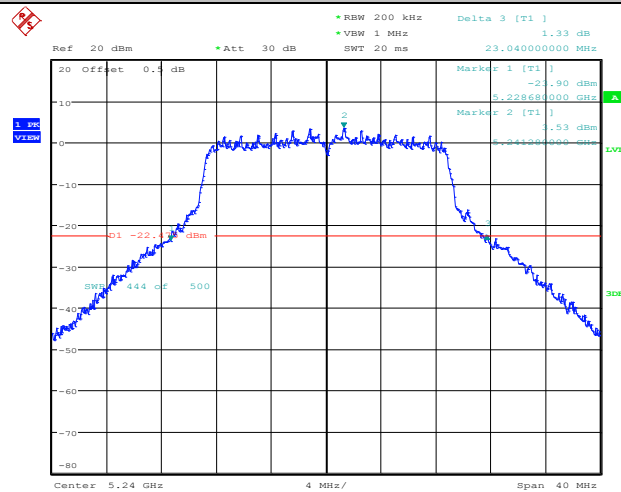
11N20MIMO_Ant2_5200



CTC Laboratories, Inc.

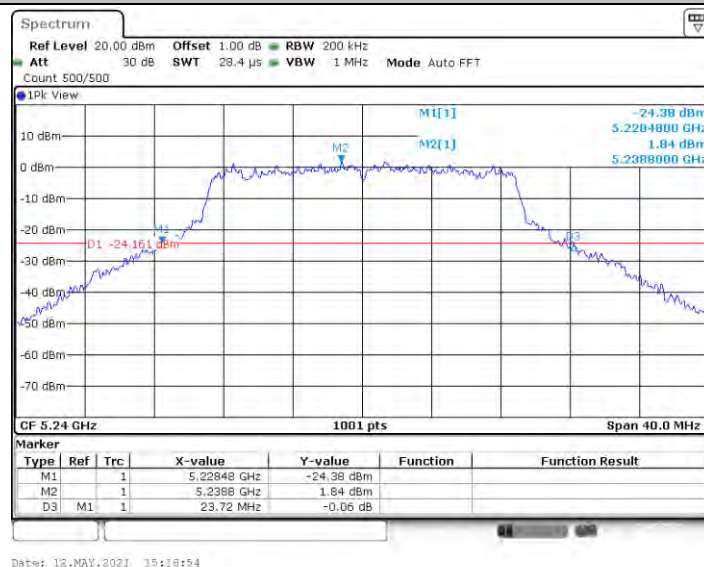


11N20MIMO_Ant1_5240



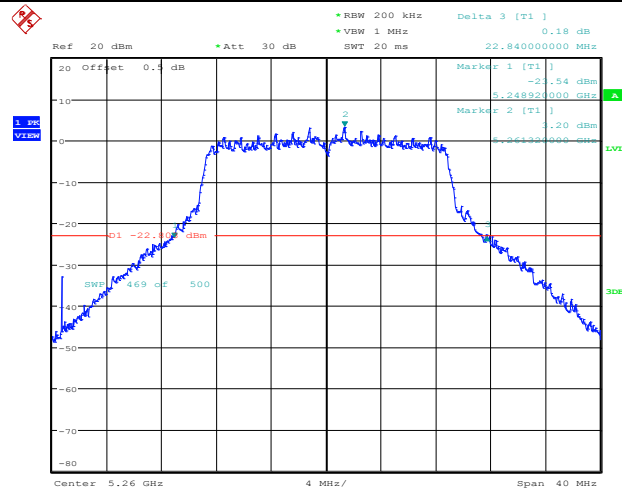
Date: 24.NOV.2020 11:34:33

11N20MIMO_Ant2_5240



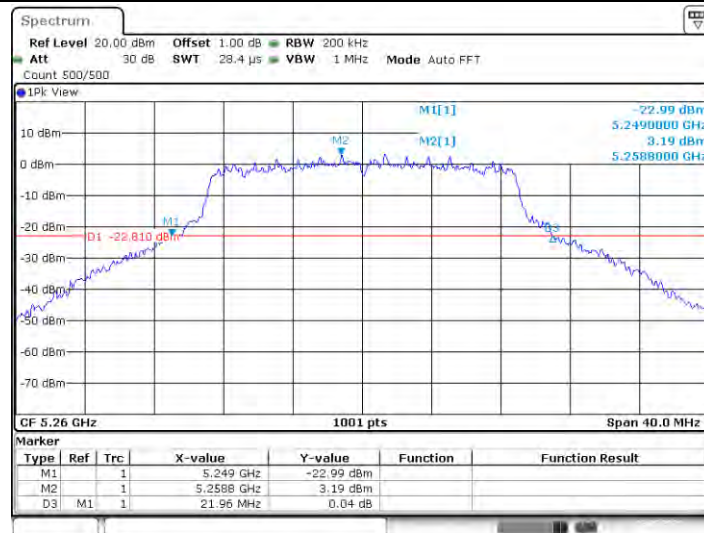


11N20MIMO_Ant1_5260



Date: 24.NOV.2020 11:36:27

11N20MIMO_Ant2_5260

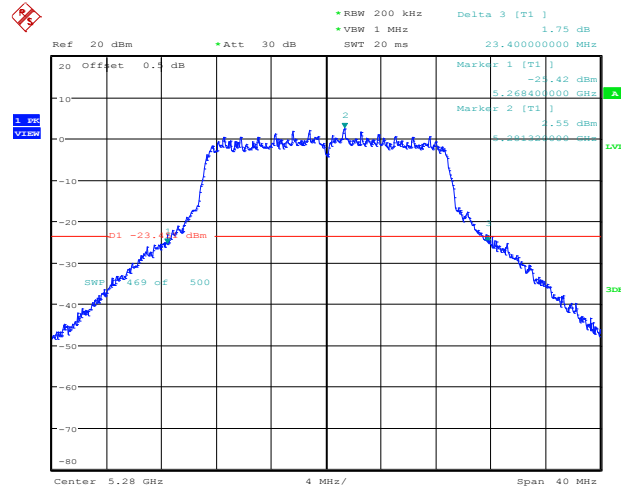


Date: 18.MAY.2021 15:20:20

11N20MIMO_Ant1_5280

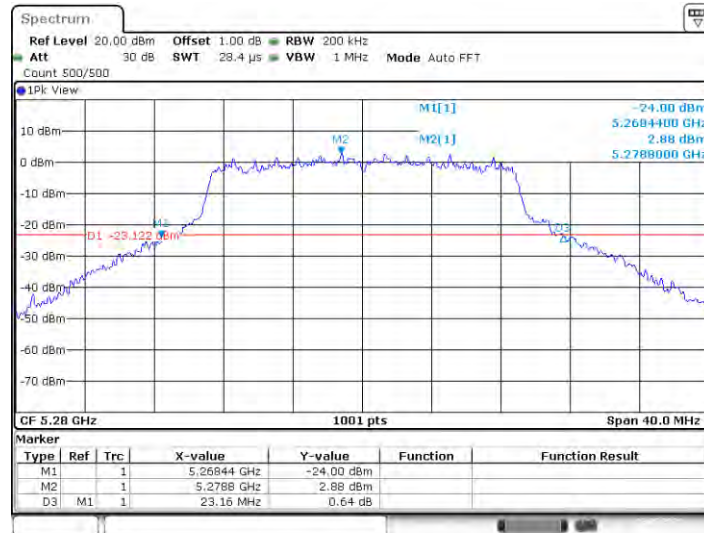


CTC Laboratories, Inc.



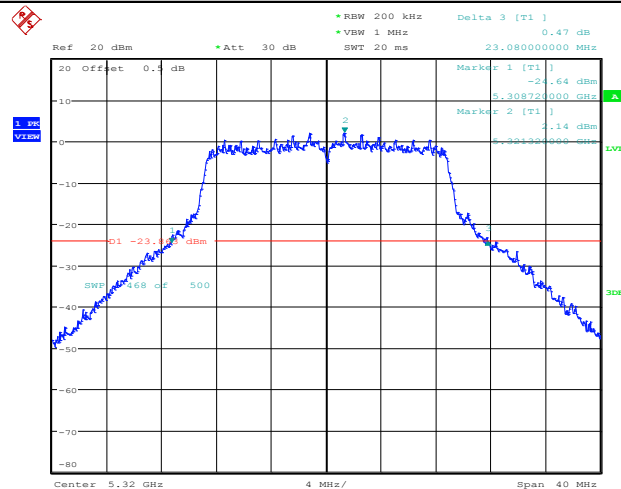
Date: 24.NOV.2020 11:38:35

11N20MIMO_Ant2_5280



Date: 12.MAY.2021 15:21:53

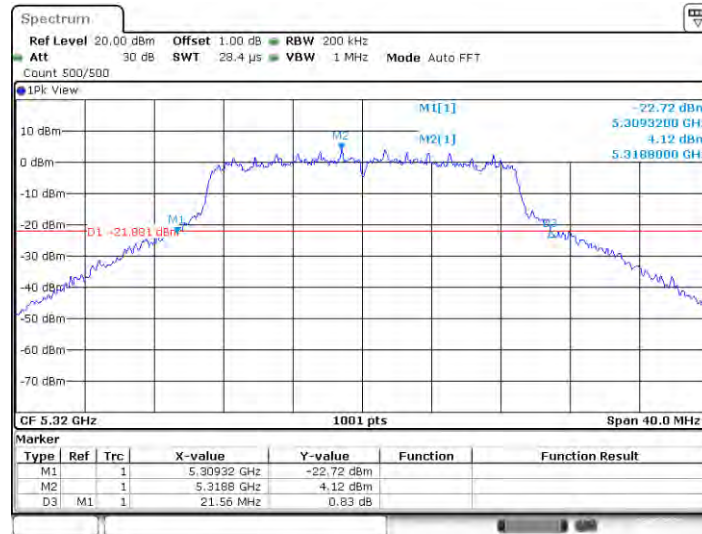
11N20MIMO_Ant1_5320



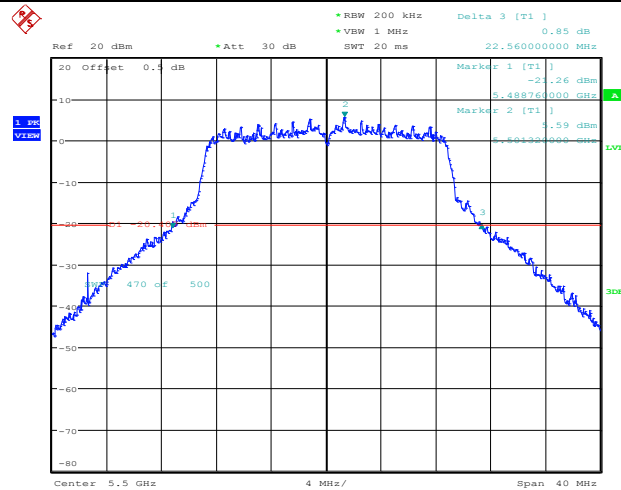
Date: 24.NOV.2020 11:40:25



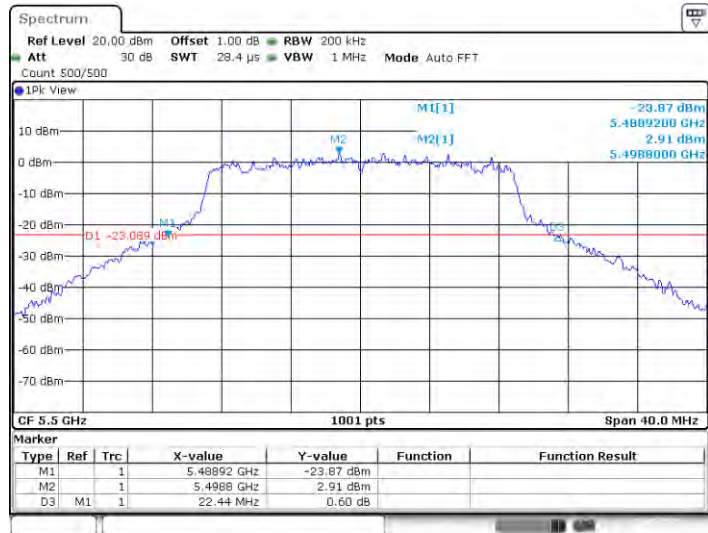
11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5500

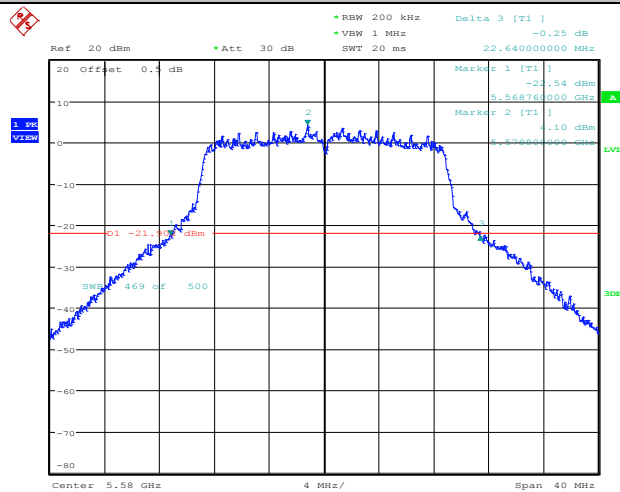


11N20MIMO_Ant2_5500



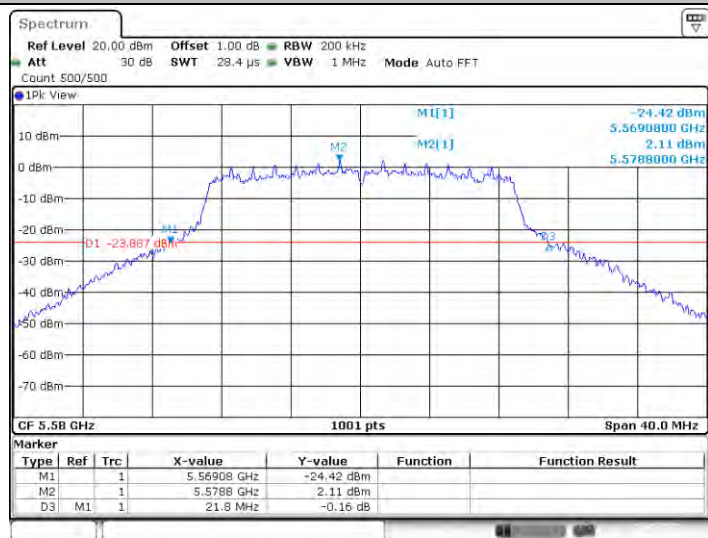
Date: 12.MAY.2021 15:25:10

11N20MIMO_Ant1_5580



Date: 24.NOV.2020 11:47:56

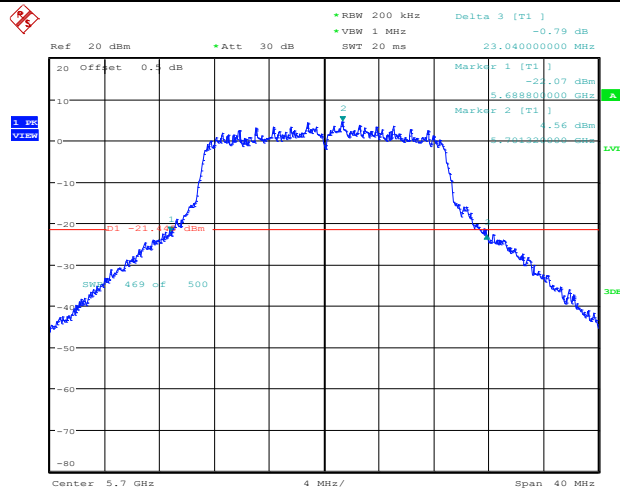
11N20MIMO_Ant2_5580



Date: 12.MAY.2021 15:26:16

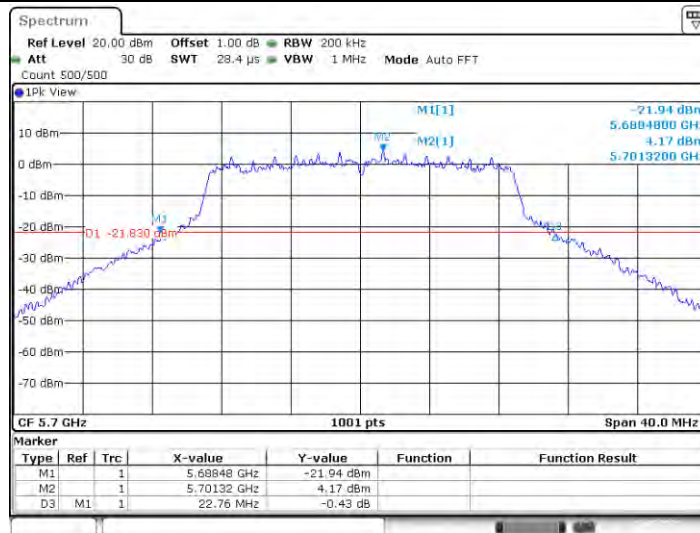


11N20MIMO_Ant1_5700



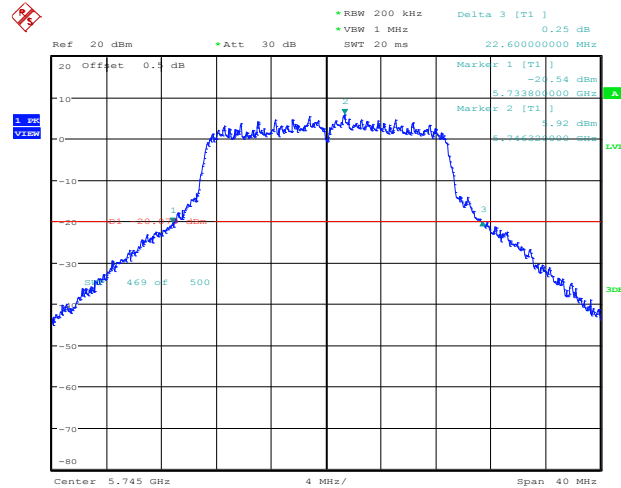
Date: 24.NOV.2020 11:49:45

11N20MIMO_Ant2_5700



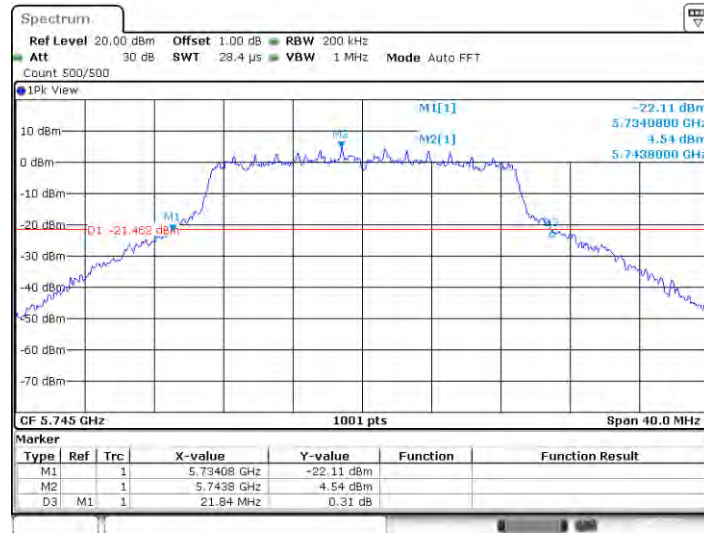
Date: 12.MAY.2021 15:29:19

11N20MIMO_Ant1_5745



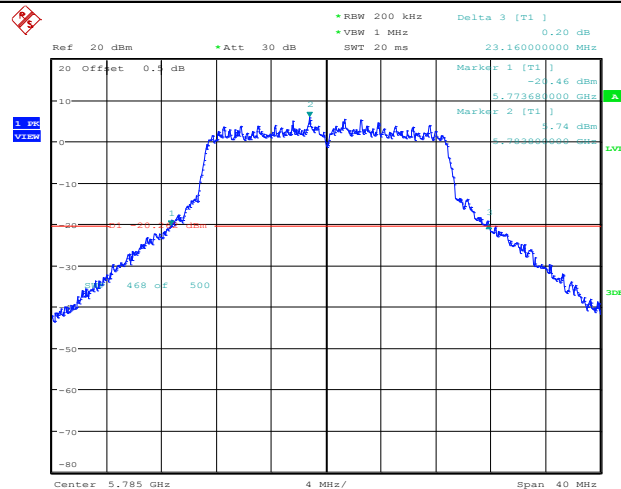
Date: 24.NOV.2020 11:52:41

11N20MIMO_Ant2_5745



Date: 12.MAY.2021 15:52:39

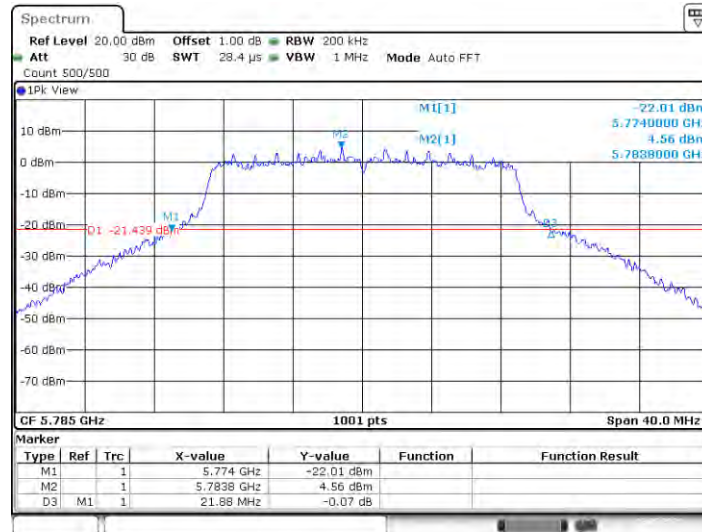
11N20MIMO_Ant1_5785



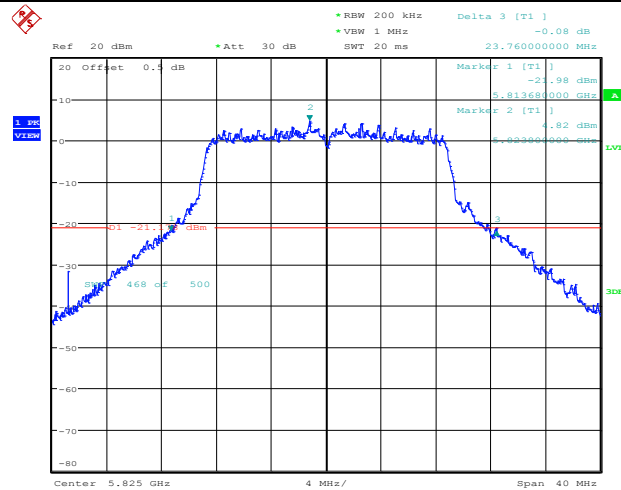
Date: 24.NOV.2020 11:56:08



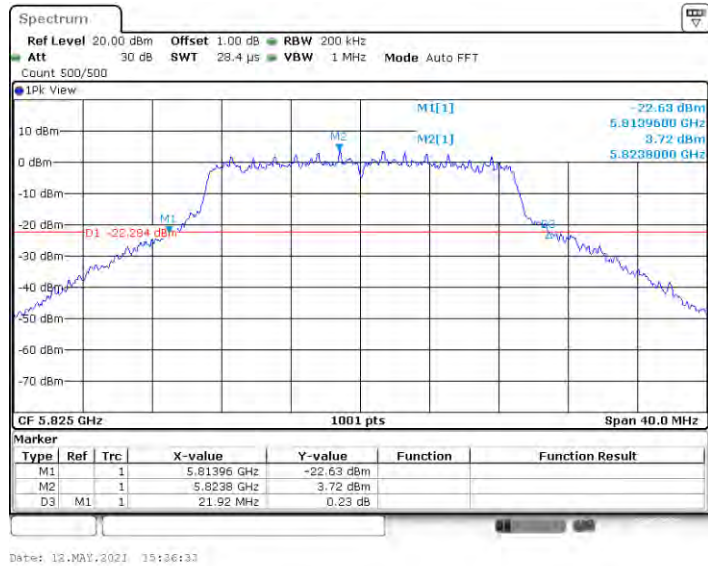
11N20MIMO_Ant2_5785



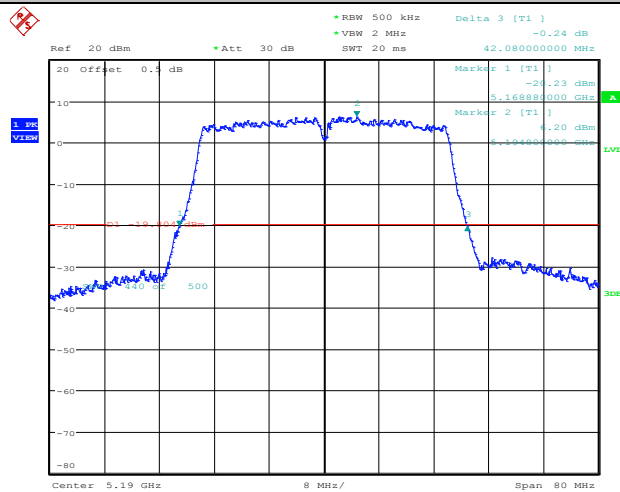
11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



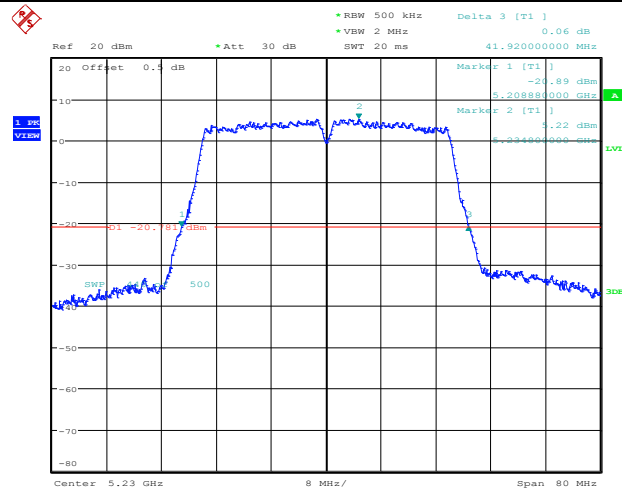
Date: 24.NOV.2020 13:44:57

11N40MIMO_Ant2_5190



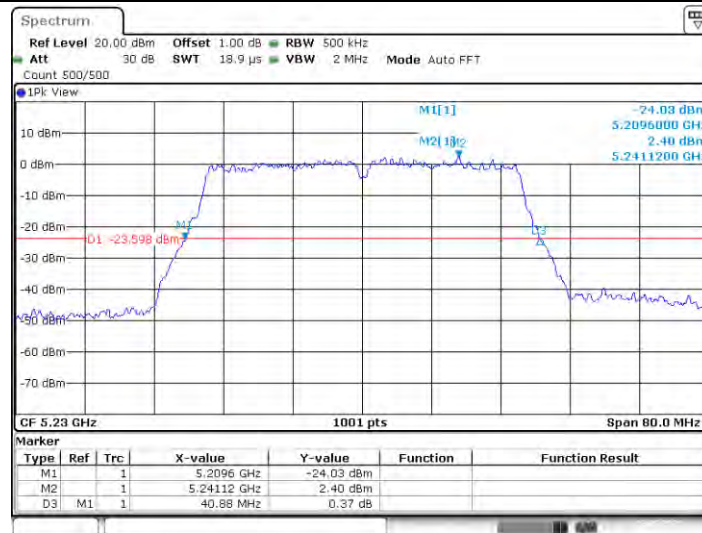


11N40MIMO_Ant1_5230



Date: 24.NOV.2020 13:48:44

11N40MIMO_Ant2_5230

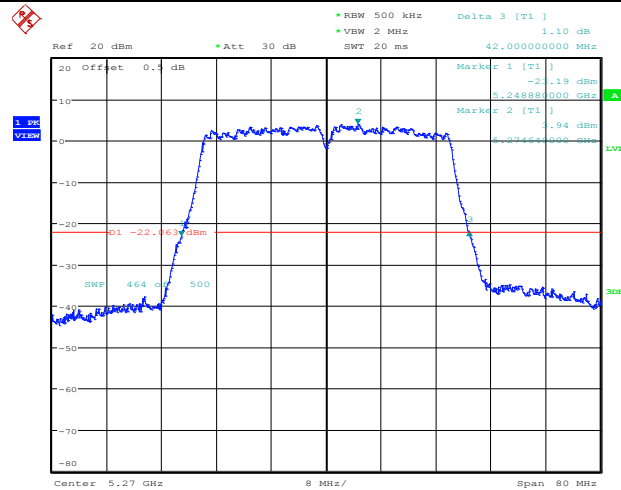


Date: 12.MAY.2021 15:40:27

11N40MIMO_Ant1_5270



CTC Laboratories, Inc.



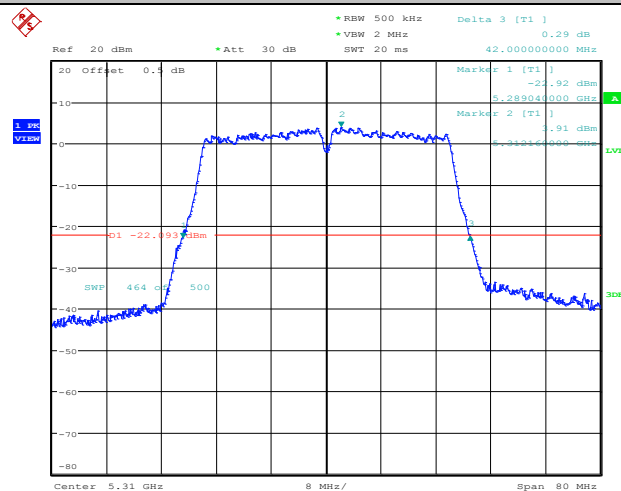
Date: 24.NOV.2020 13:50:35

11N40MIMO_Ant2_5270



Date: 12.MAY.2021 15:42:45

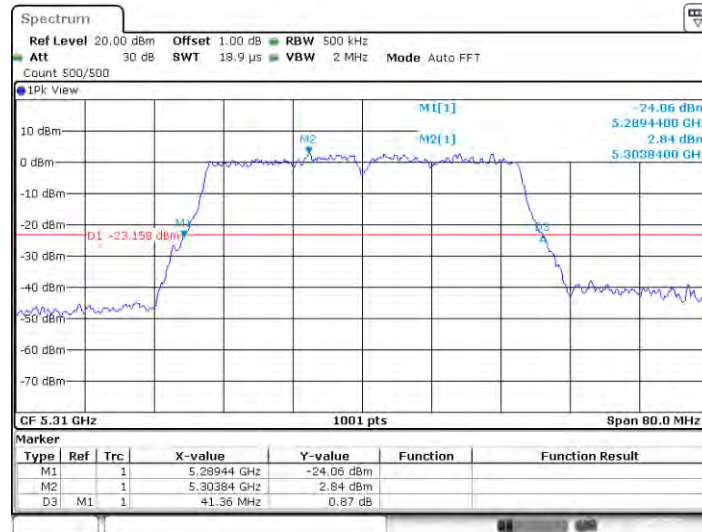
11N40MIMO_Ant1_5310



Date: 24.NOV.2020 13:52:27

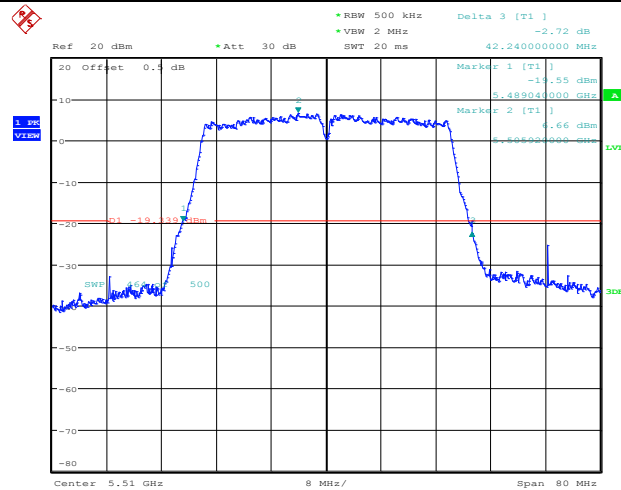


11N40MIMO_Ant2_5310



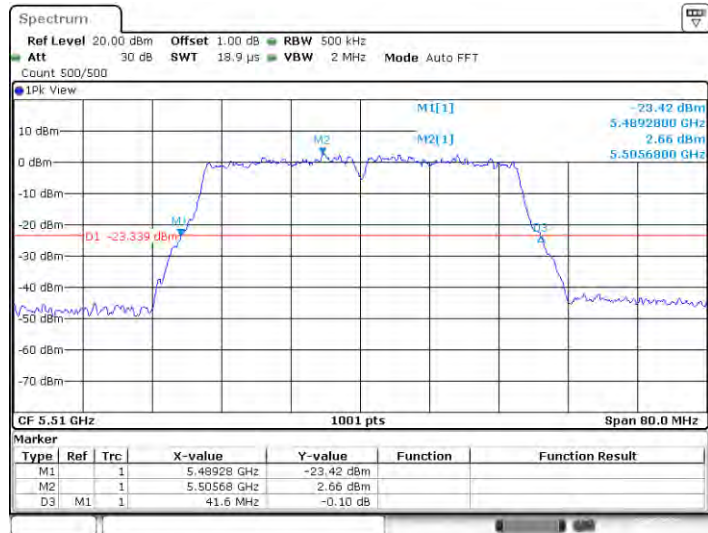
Date: 12.MAY.2021 15:44:12

11N40MIMO_Ant1_5510



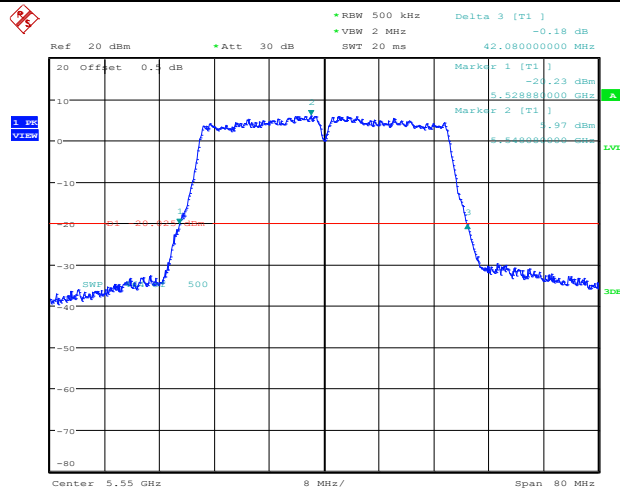
Date: 24.NOV.2020 13:55:43

11N40MIMO_Ant2_5510



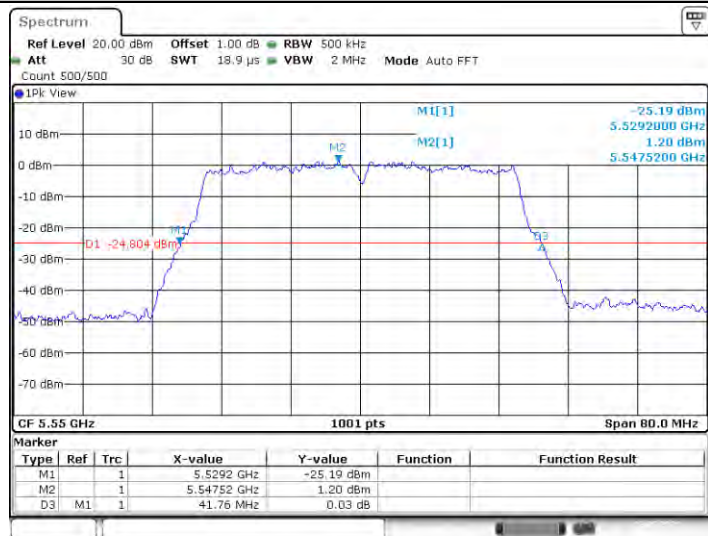
Date: 12.MAY.2021 15:45:37

11N40MIMO_Ant1_5550



Date: 24.NOV.2020 13:58:39

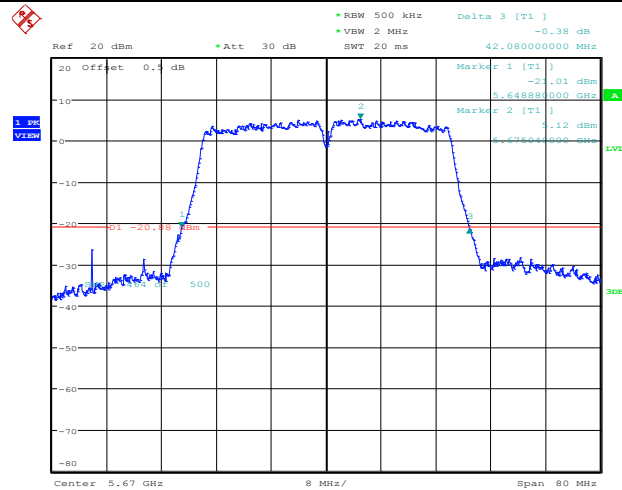
11N40MIMO_Ant2_5550



Date: 12.MAY.2021 15:47:07

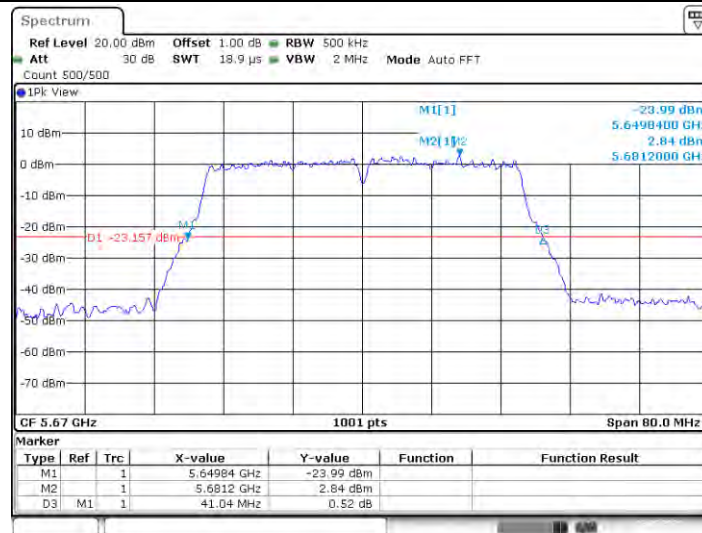


11N40MIMO_Ant1_5670



Date: 24.NOV.2020 14:00:49

11N40MIMO_Ant2_5670

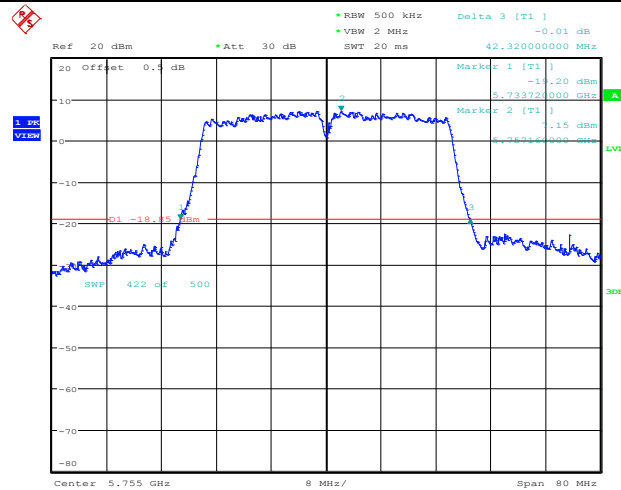


Date: 18.MAY.2021 15:54:17

11N40MIMO_Ant1_5755

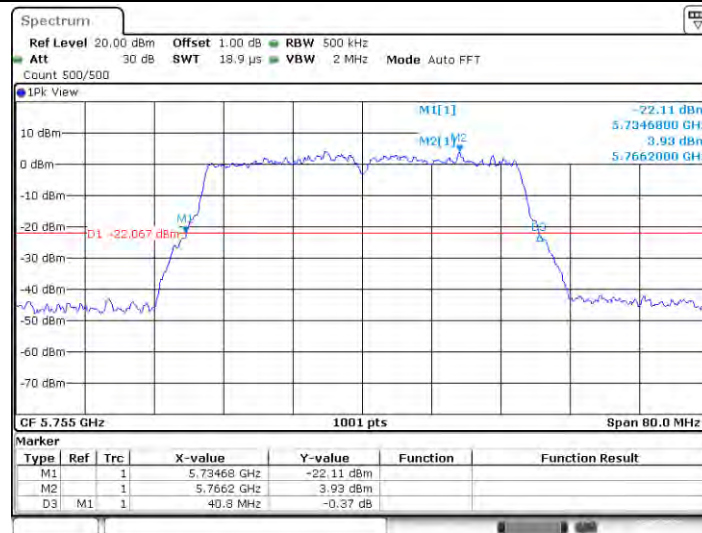


CTC Laboratories, Inc.



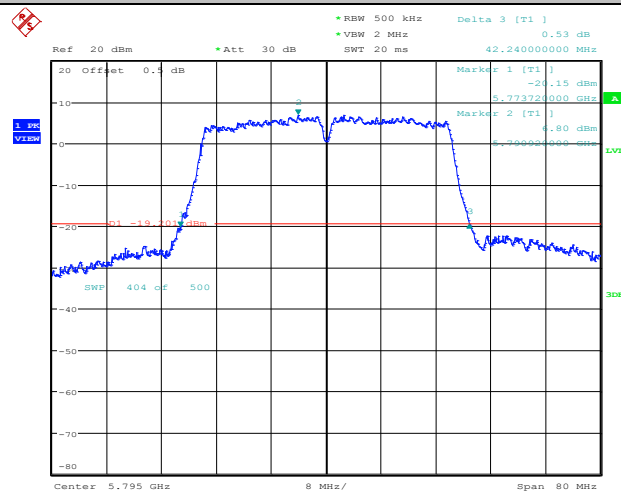
Date: 24.NOV.2020 14:03:49

11N40MIMO_Ant2_5755



Date: 12.MAY.2021 15:55:41

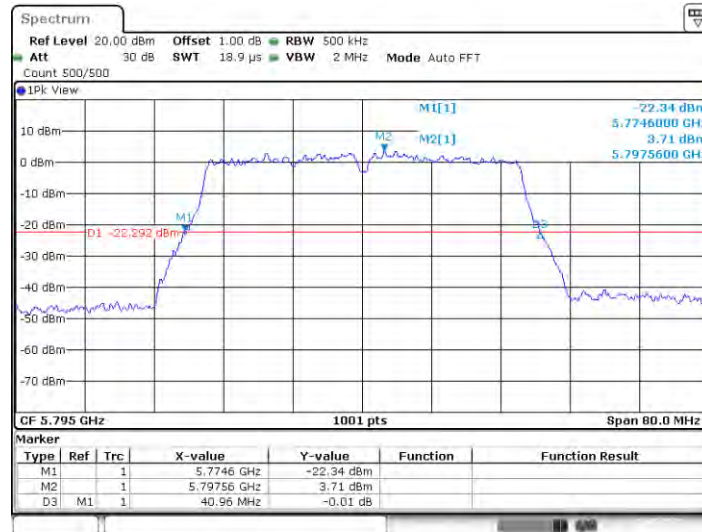
11N40MIMO_Ant1_5795



Date: 24.NOV.2020 14:07:41

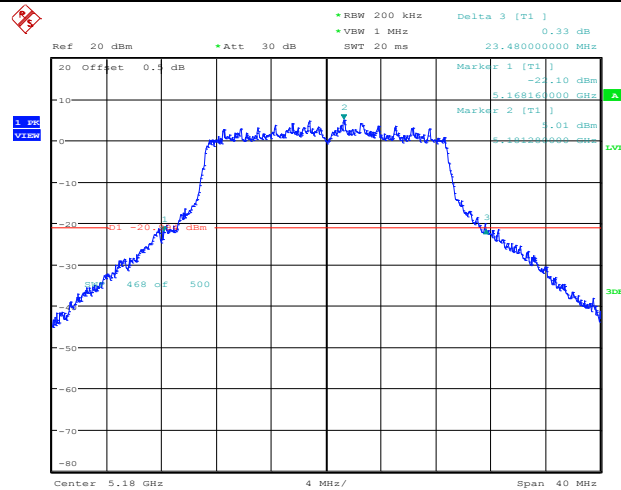


11N40MIMO_Ant2_5795



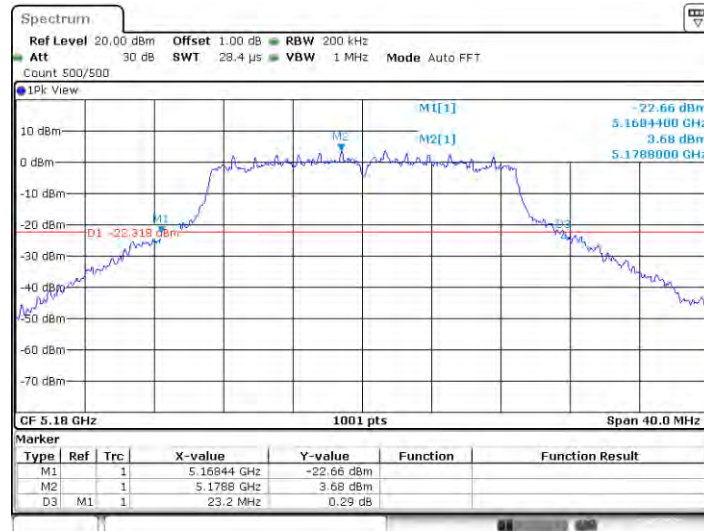
Date: 12.MAY.2021 15:57:33

11AC20MIMO_Ant1_5180



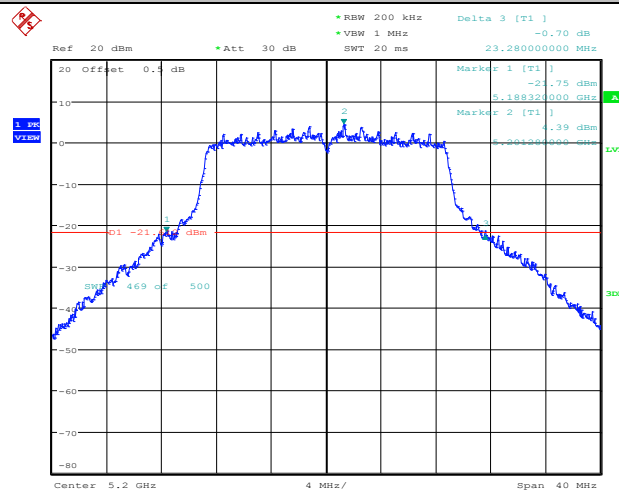
Date: 24.NOV.2020 14:11:06

11AC20MIMO_Ant2_5180



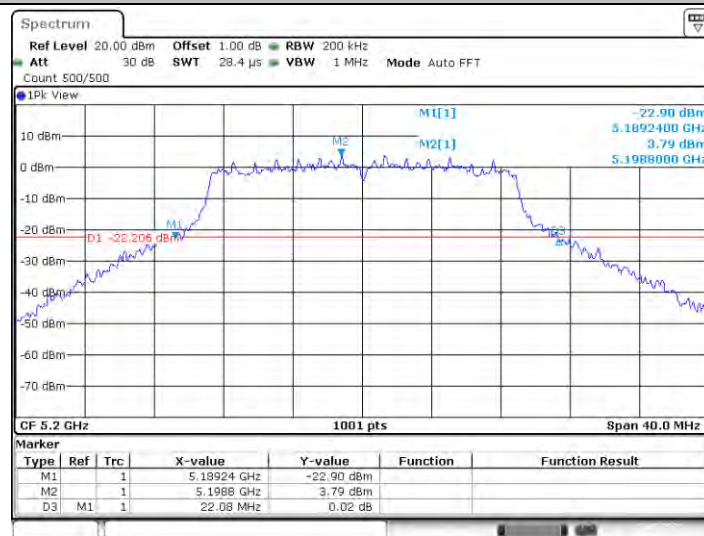
Date: 12.MAY.2021 15:59:43

11AC20MIMO_Ant1_5200



Date: 24.NOV.2020 14:14:47

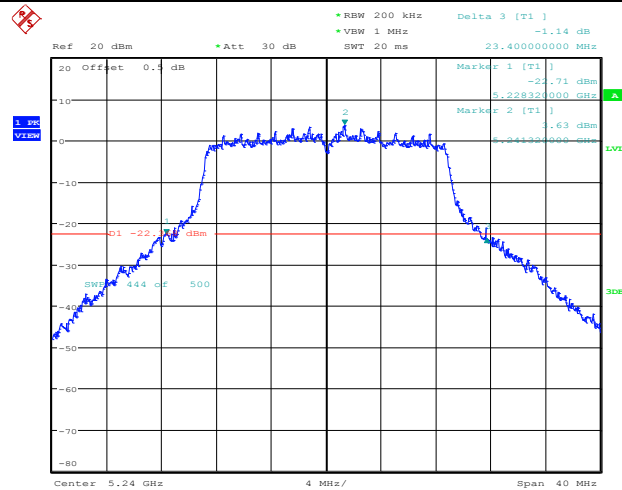
11AC20MIMO_Ant2_5200



Date: 12.MAY.2021 16:01:15

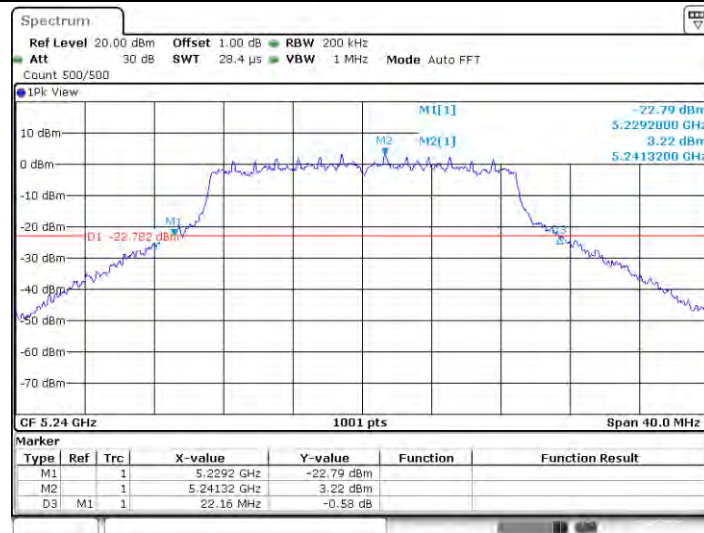


11AC20MIMO_Ant1_5240



Date: 24.NOV.2020 14:16:45

11AC20MIMO_Ant2_5240

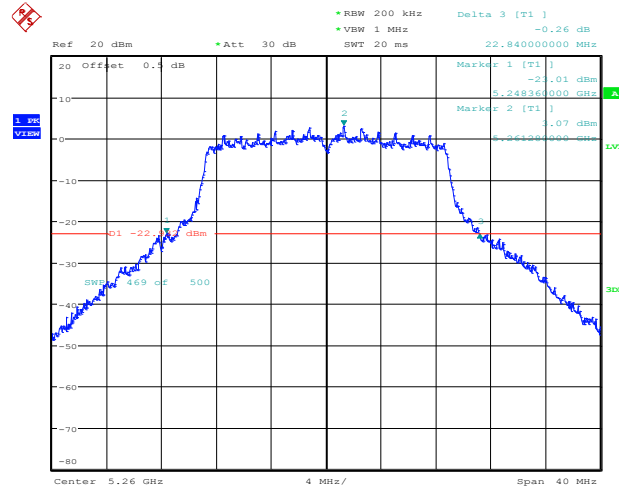


Date: 12.MAY.2021 16:03:01

11AC20MIMO_Ant1_5260

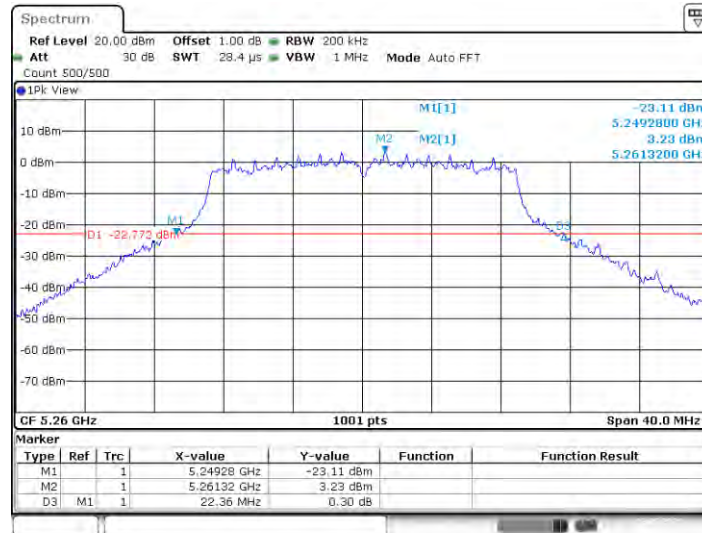


CTC Laboratories, Inc.



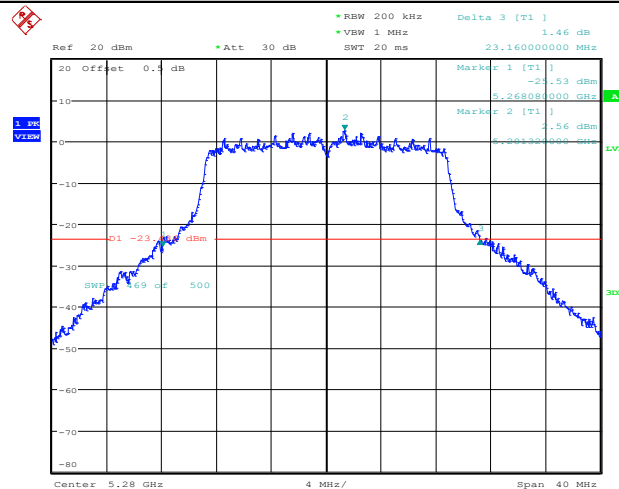
Date: 24.NOV.2020 14:18:39

11AC20MIMO_Ant2_5260



Date: 12.MAY.2021 16:04:39

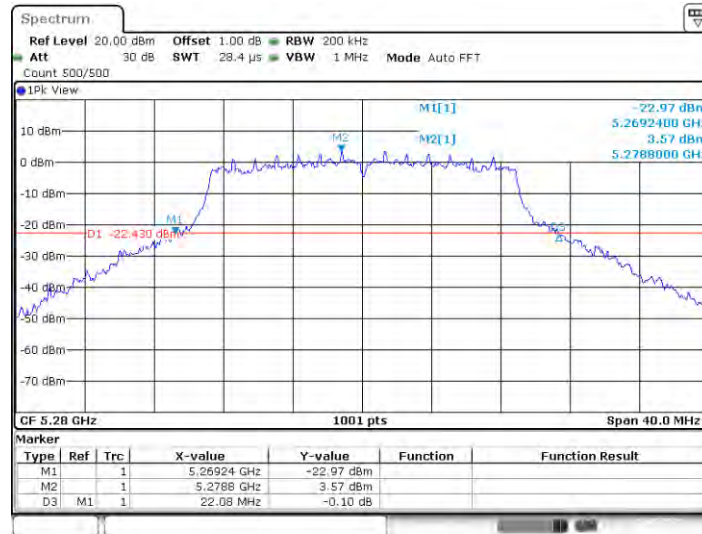
11AC20MIMO_Ant1_5280



Date: 24.NOV.2020 14:20:28

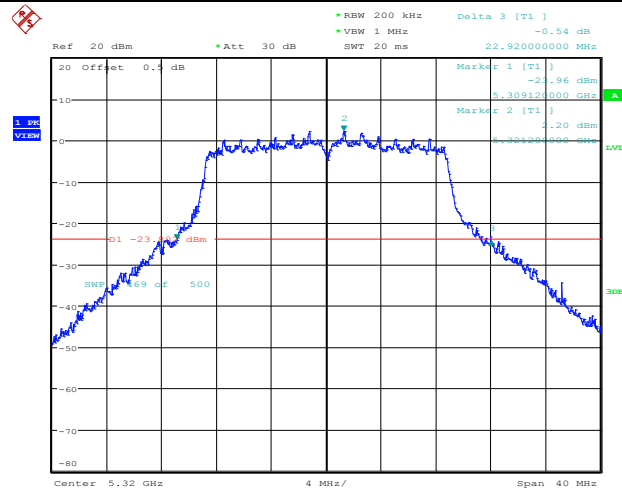


11AC20MIMO_Ant2_5280



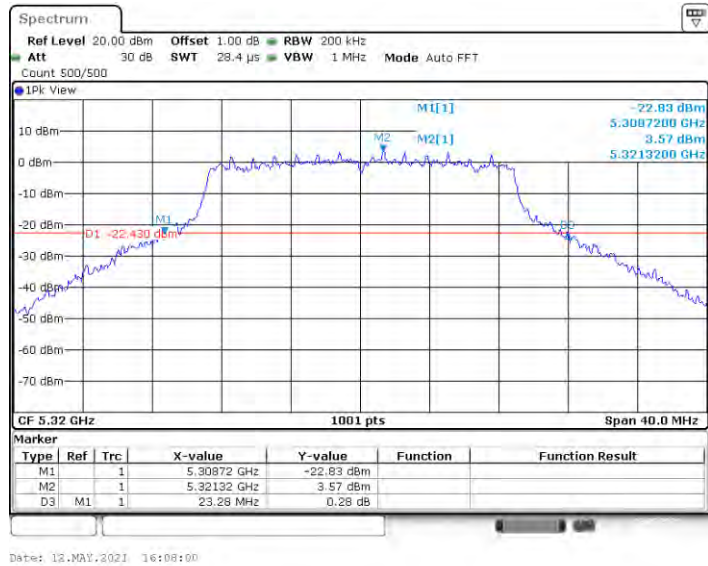
Date: 12.MAY.2021 16:06:15

11AC20MIMO_Ant1_5320

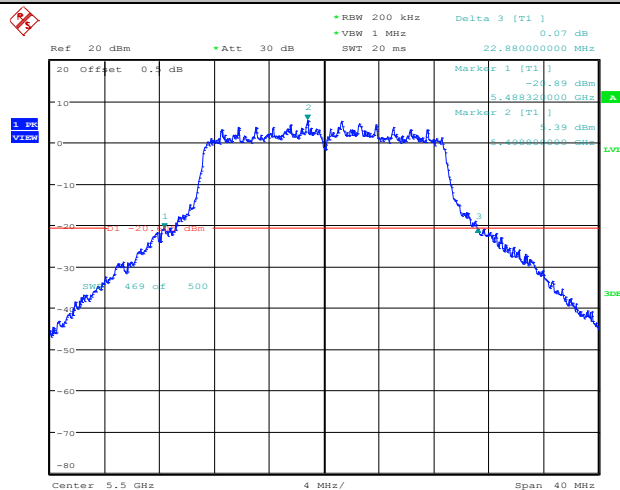


Date: 24.NOV.2020 14:22:29

11AC20MIMO_Ant2_5320

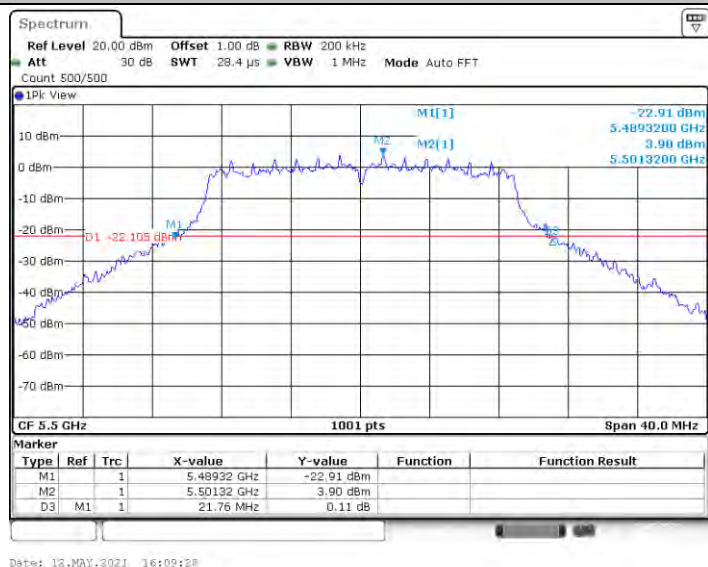


11AC20MIMO_Ant1_5500



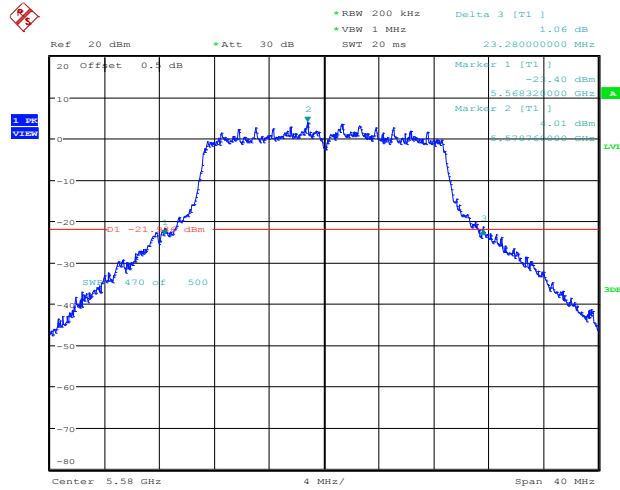
Date: 24.NOV.2020 14:28:15

11AC20MIMO_Ant2_5500



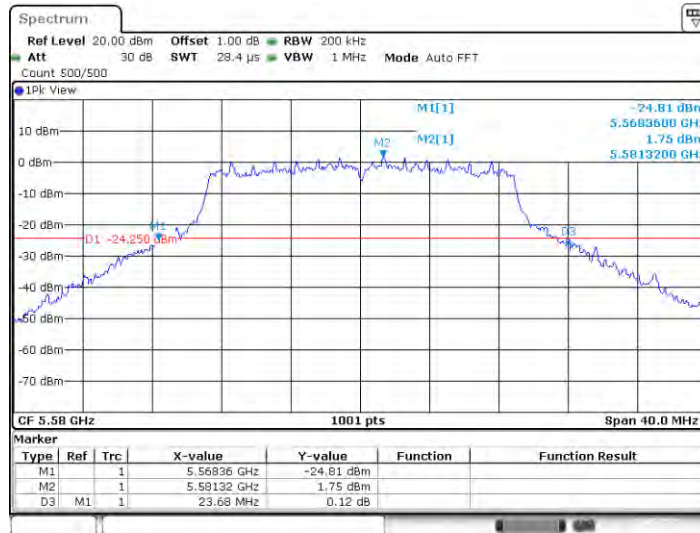


11AC20MIMO_Ant1_5580



Date: 24.NOV.2020 14:31:46

11AC20MIMO_Ant2_5580

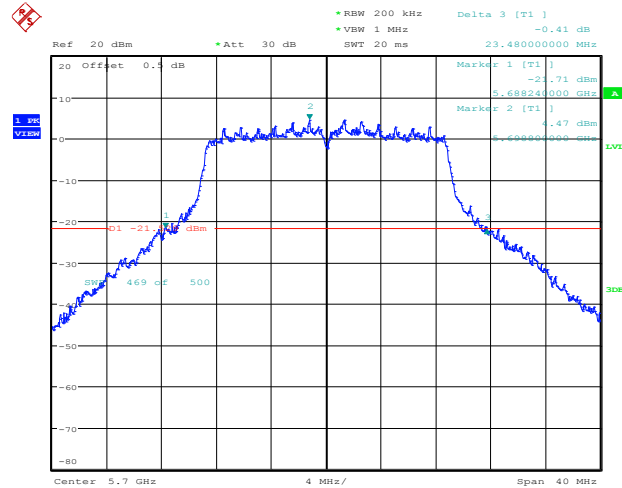


Date: 12.MAY.2021 16:10:57

11AC20MIMO_Ant1_5700

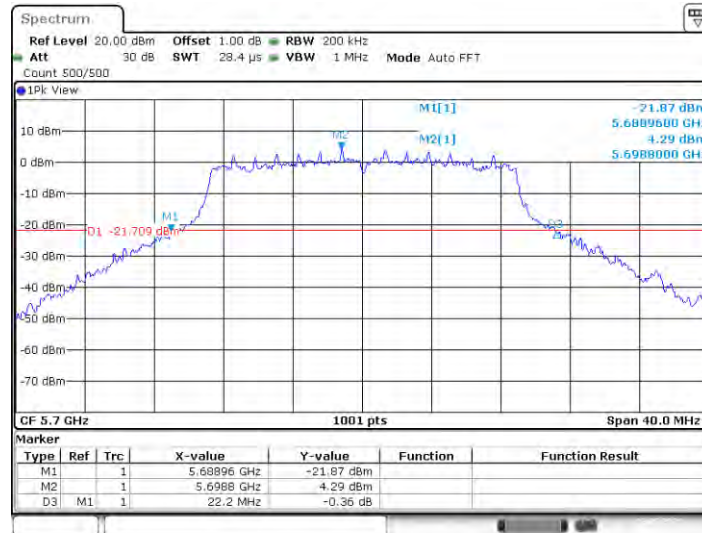


CTC Laboratories, Inc.



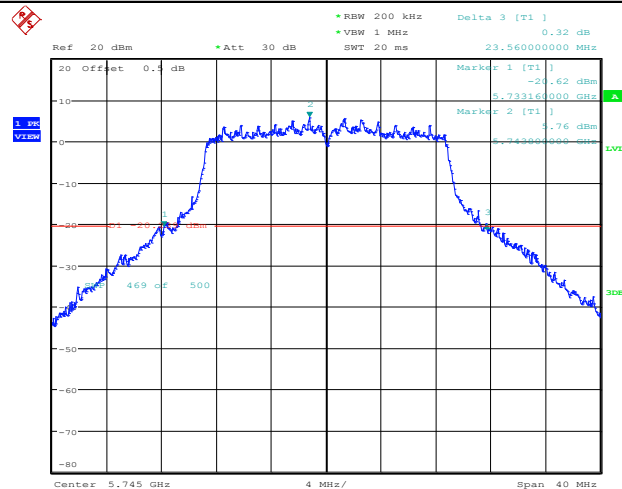
Date: 24.NOV.2020 14:33:38

11AC20MIMO_Ant2_5700



Date: 12.MAY.2021 16:17:39

11AC20MIMO_Ant1_5745

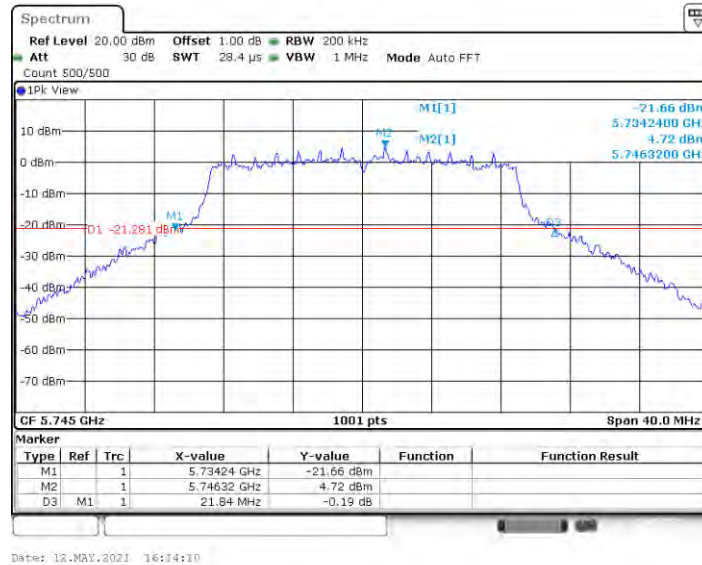


Date: 24.NOV.2020 14:36:35

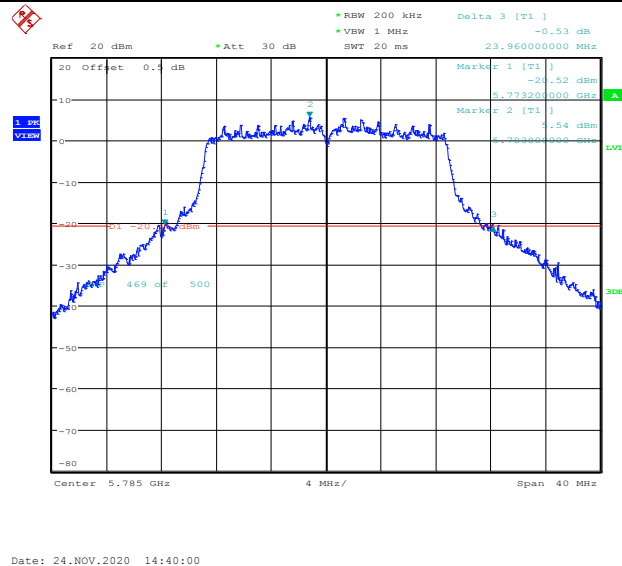


CTC Laboratories, Inc.

11AC20MIMO_Ant2_5745



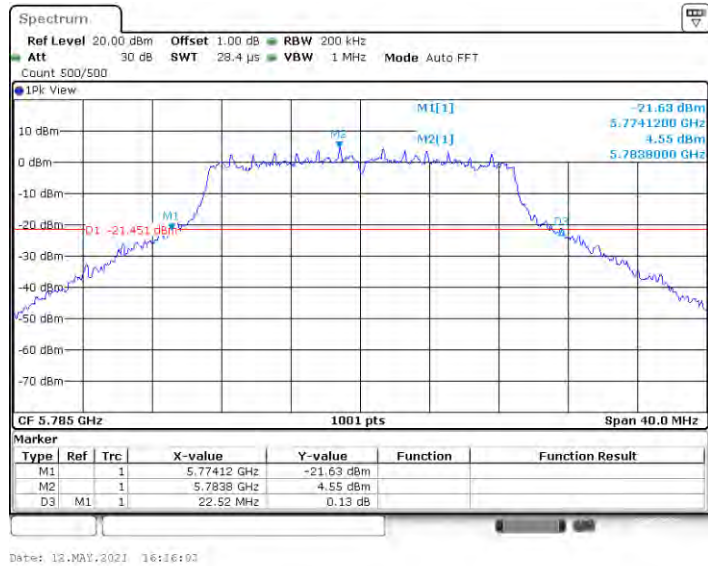
11AC20MIMO_Ant1_5785



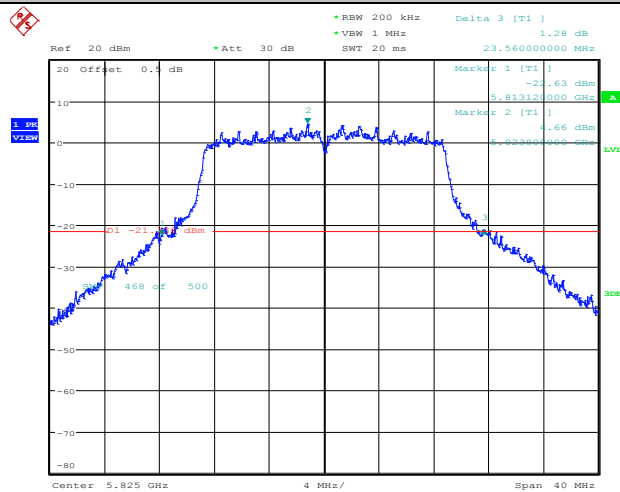
11AC20MIMO_Ant2_5785



CTC Laboratories, Inc.



11AC20MIMO_Ant1_5825

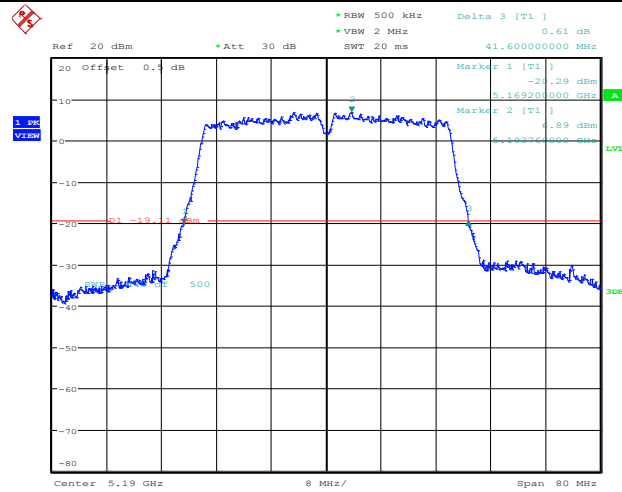


11AC20MIMO_Ant2_5825





11AC40MIMO_Ant1_5190



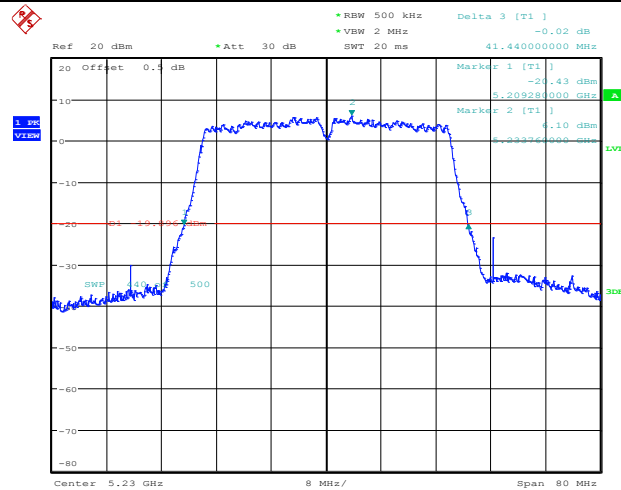
Date: 24.NOV.2020 14:46:46

11AC40MIMO_Ant2_5190



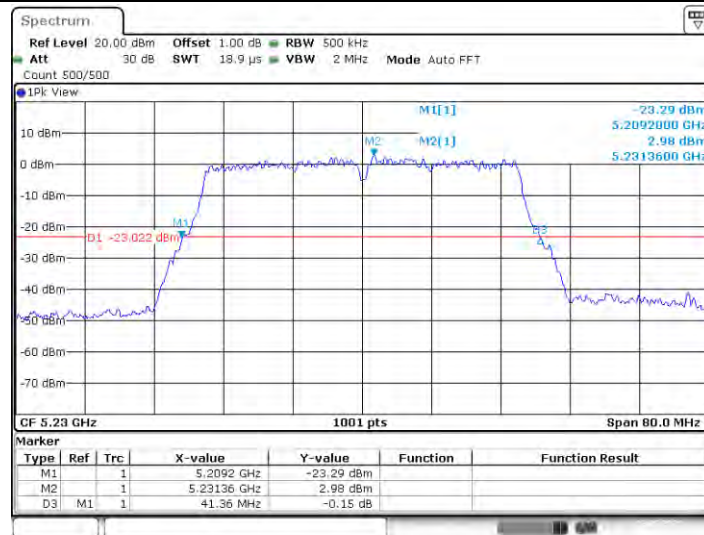
Date: 12.MAY.2021 16:20:10

11AC40MIMO_Ant1_5230



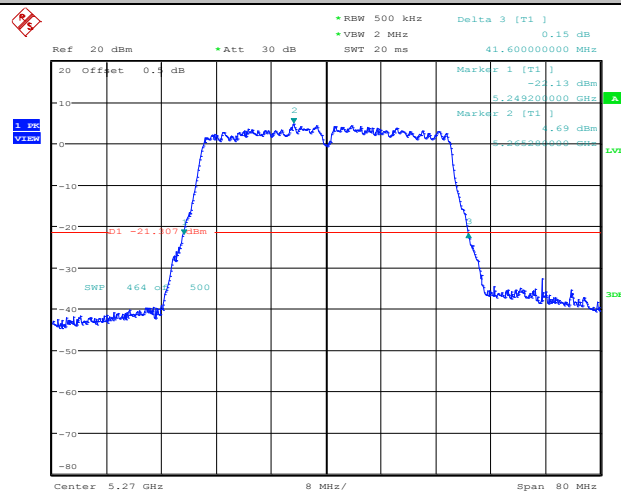
Date: 24.NOV.2020 14:50:32

11AC40MIMO_Ant2_5230



Date: 12.MAY.2021 16:21:49

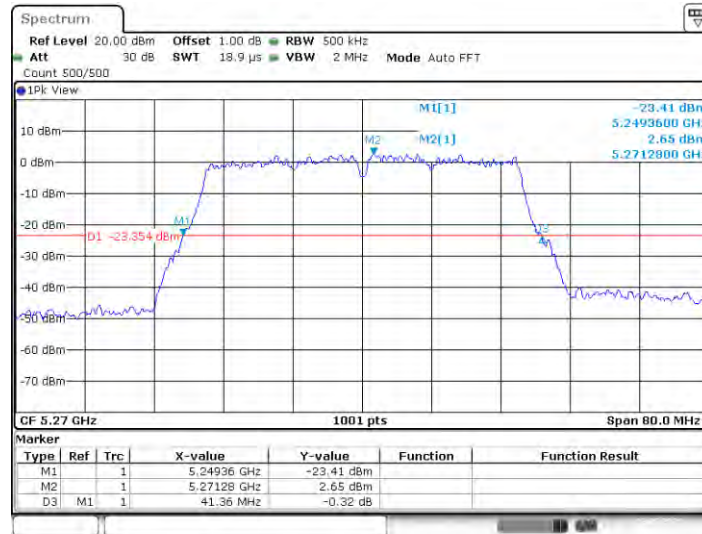
11AC40MIMO_Ant1_5270



Date: 24.NOV.2020 14:52:17

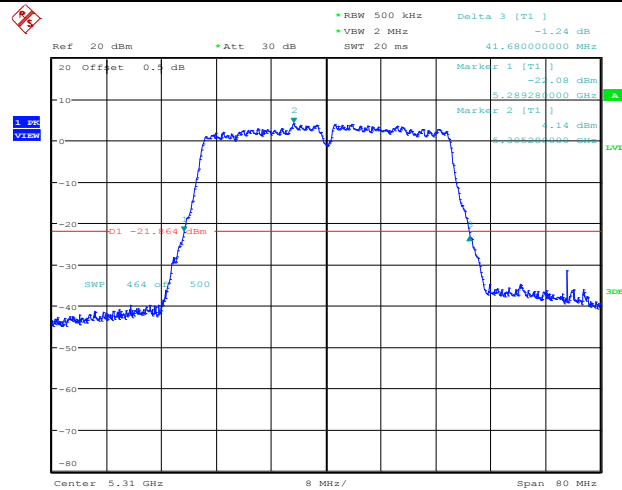


11AC40MIMO_Ant2_5270



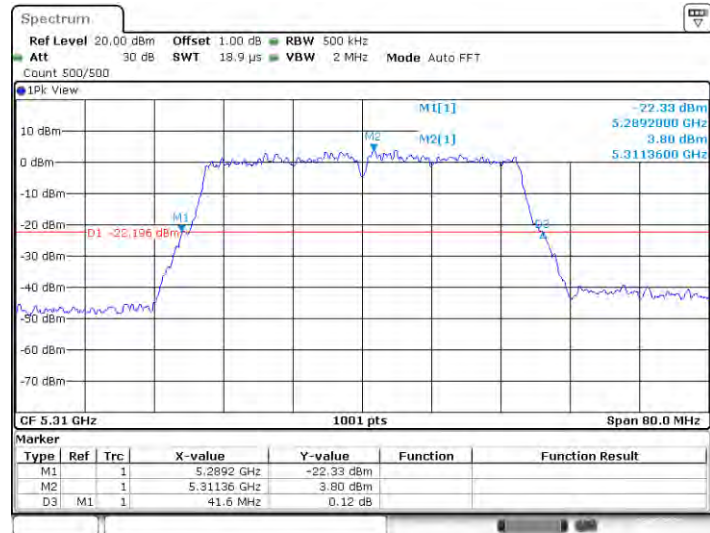
Date: 12.MAY.2021 16:23:06

11AC40MIMO_Ant1_5310



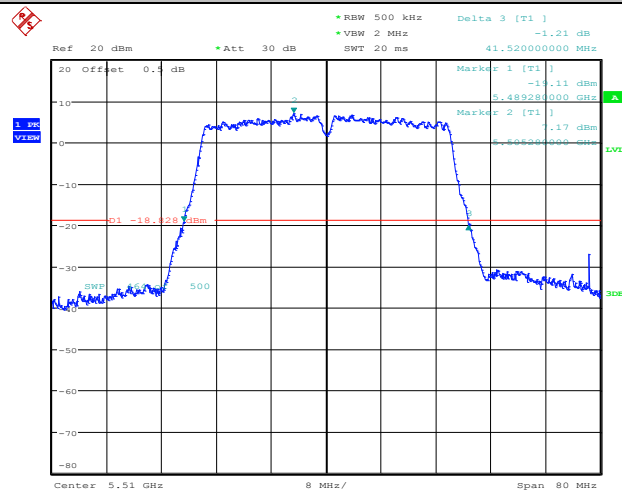
Date: 24.NOV.2020 14:54:01

11AC40MIMO_Ant2_5310



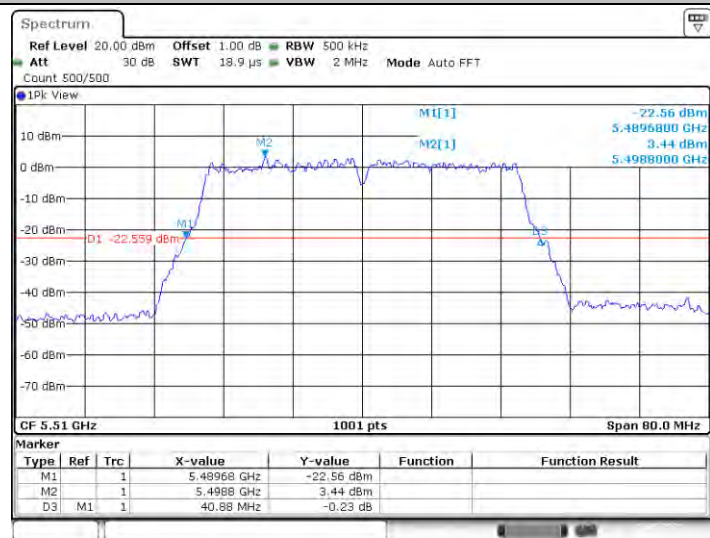
Date: 12.MAY.2021 16:24:45

11AC40MIMO_Ant1_5510



Date: 24.NOV.2020 14:56:59

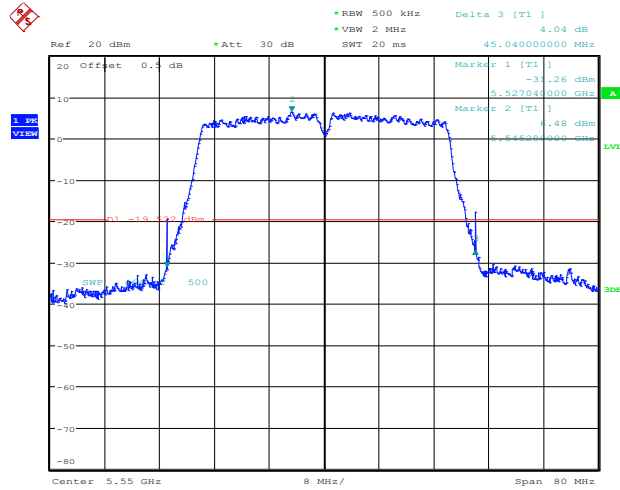
11AC40MIMO_Ant2_5510



Date: 12.MAY.2021 16:26:26

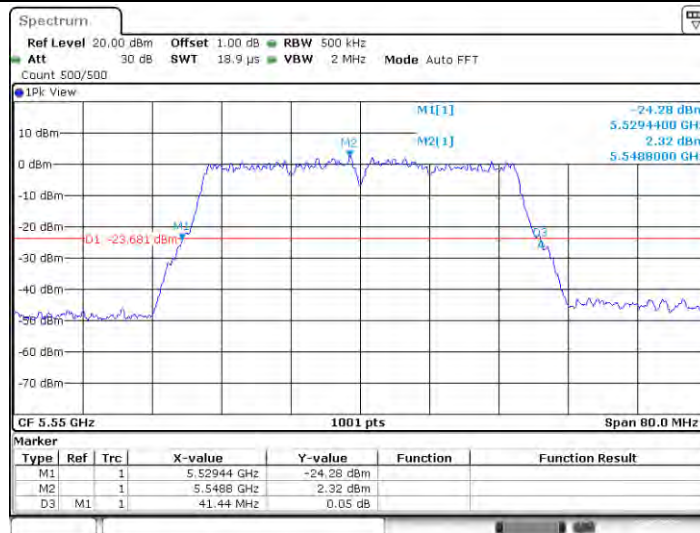


11AC40MIMO_Ant1_5550



Date: 24.NOV.2020 15:00:00

11AC40MIMO_Ant2_5550

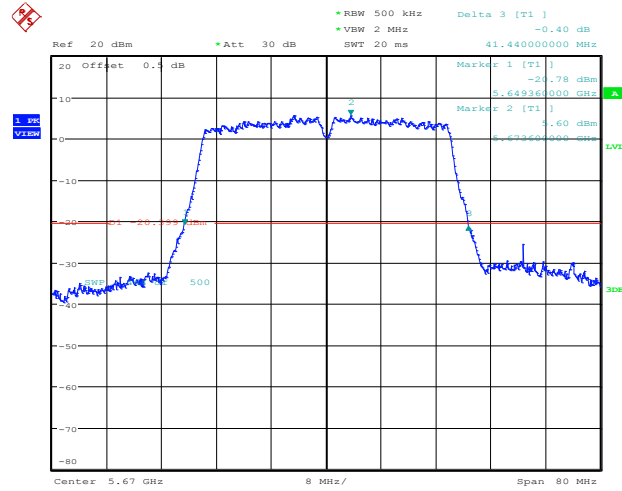


Date: 12.MAY.2021 16:27:54

11AC40MIMO_Ant1_5670



CTC Laboratories, Inc.



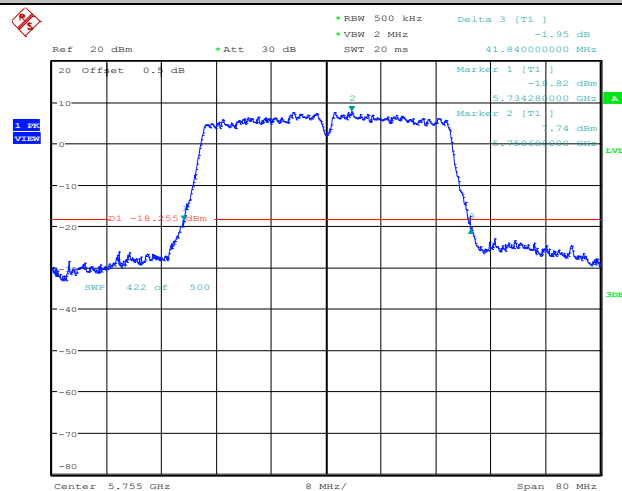
Date: 24.NOV.2020 15:01:46

11AC40MIMO_Ant2_5670



Date: 12.MAY.2021 16:29:40

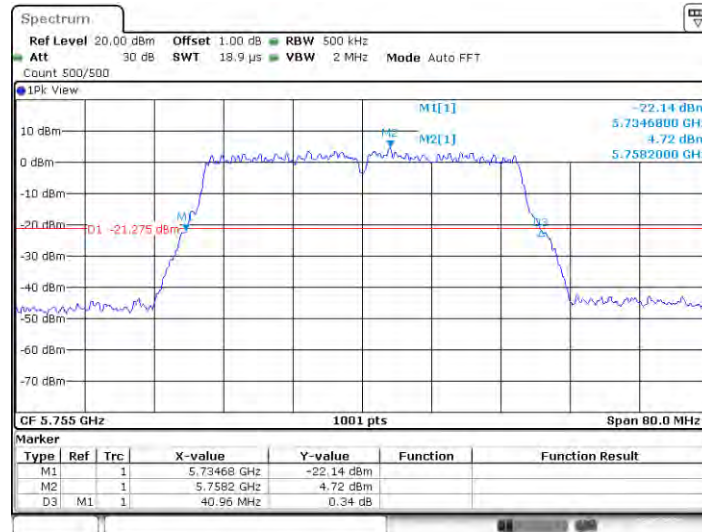
11AC40MIMO_Ant1_5755



Date: 24.NOV.2020 15:04:45

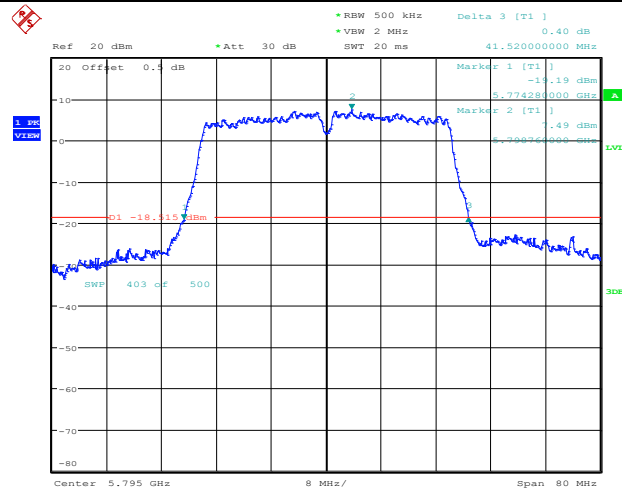


11AC40MIMO_Ant2_5755



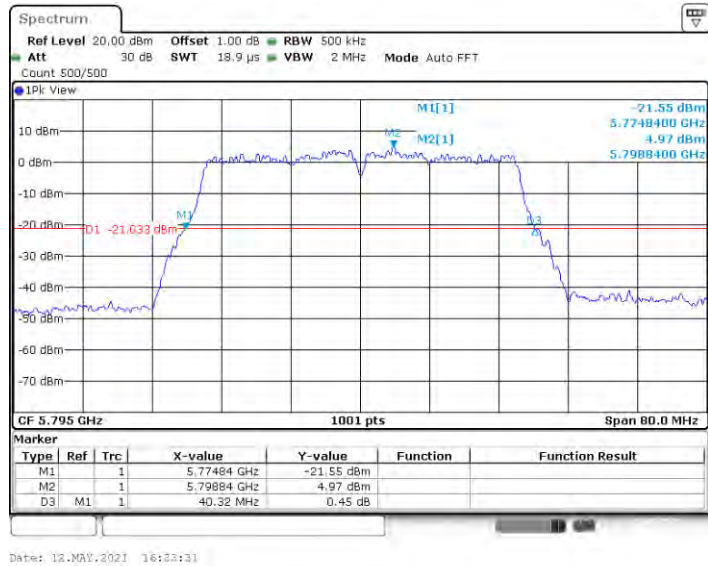
Date: 12.MAY.2021 16:31:17

11AC40MIMO_Ant1_5795

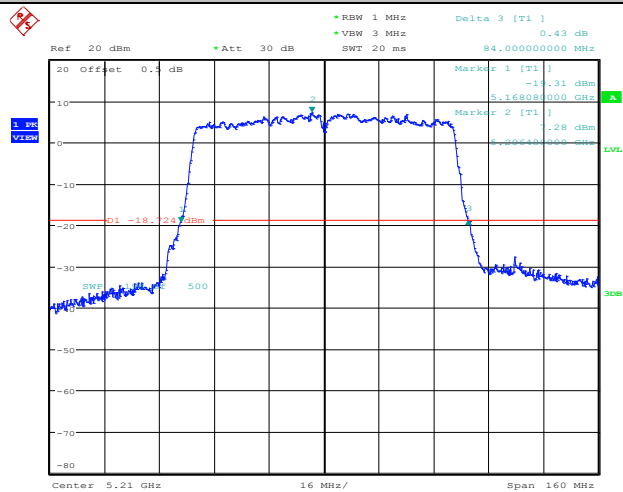


Date: 24.NOV.2020 15:08:08

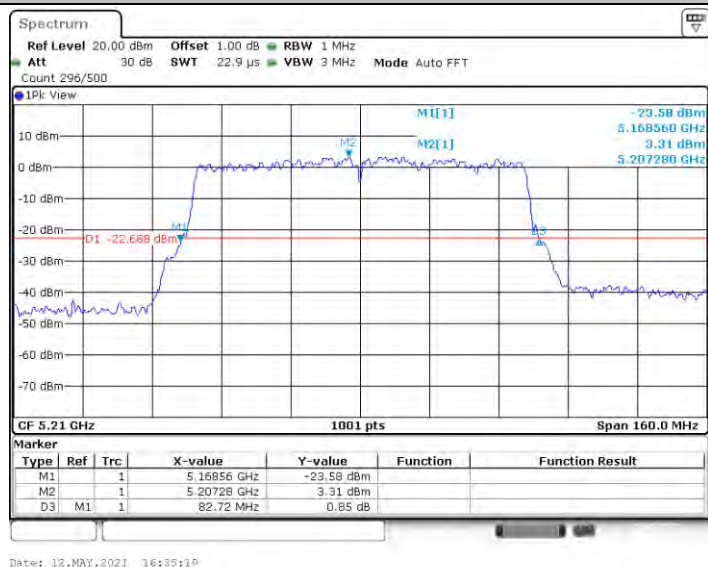
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210

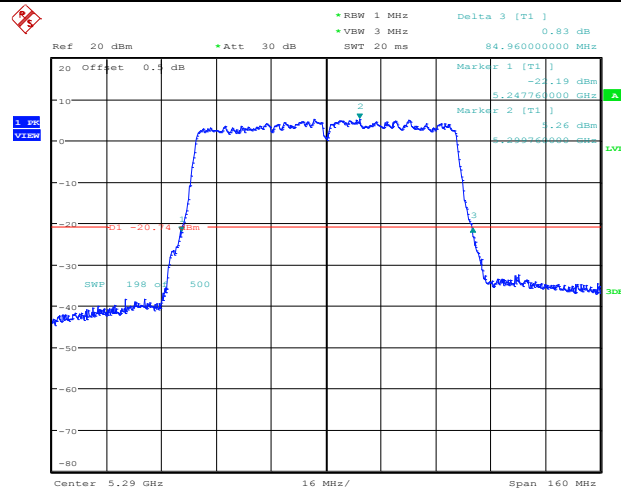


11AC80MIMO_Ant2_5210



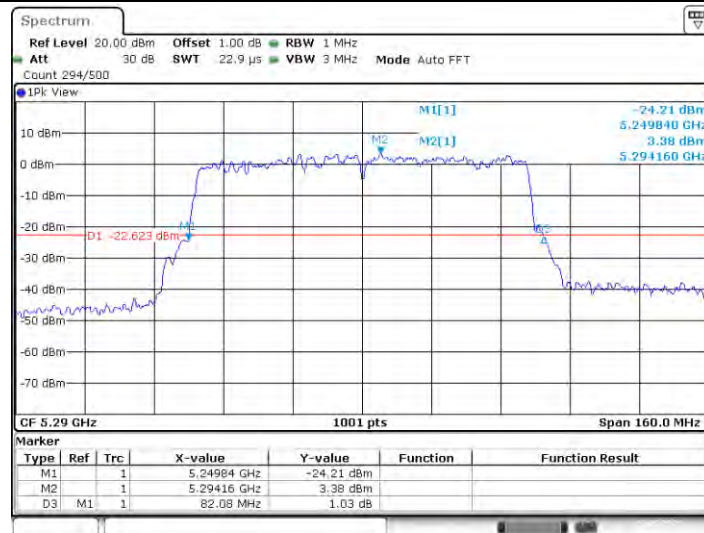


11AC80MIMO_Ant1_5290



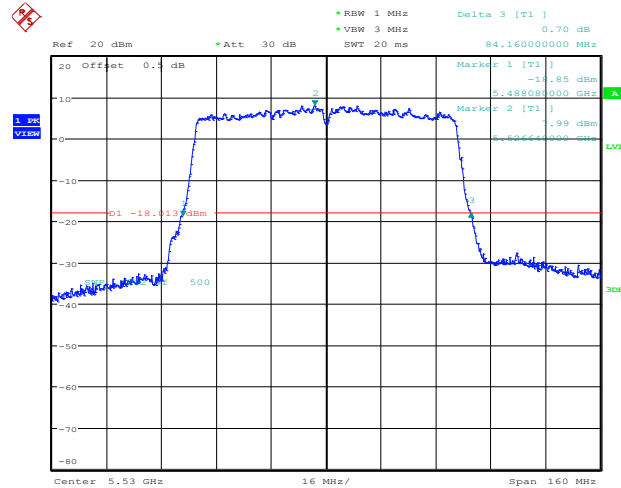
Date: 24.NOV.2020 15:15:26

11AC80MIMO_Ant2_5290



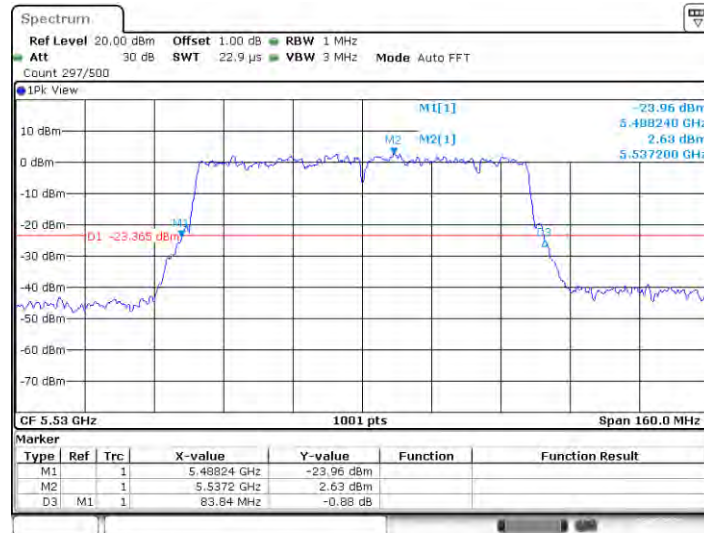
Date: 12.MAY.2021 16:36:46

11AC80MIMO_Ant1_5530



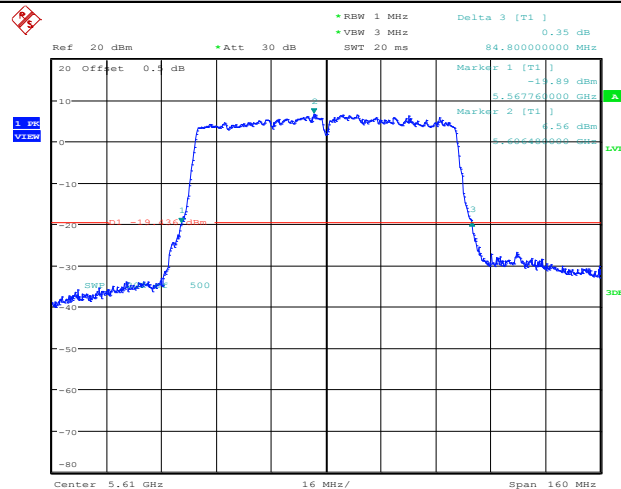
Date: 24.NOV.2020 15:18:26

11AC80MIMO_Ant2_5530



Date: 12.MAY.2021 16:38:17

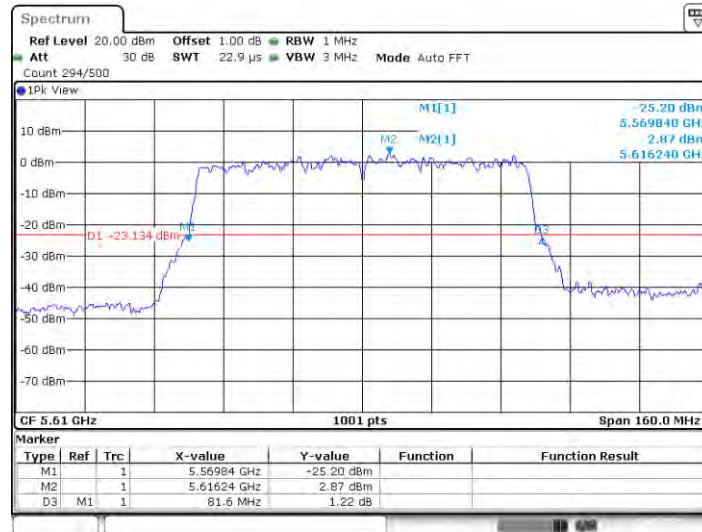
11AC80MIMO_Ant1_5610



Date: 24.NOV.2020 15:21:37

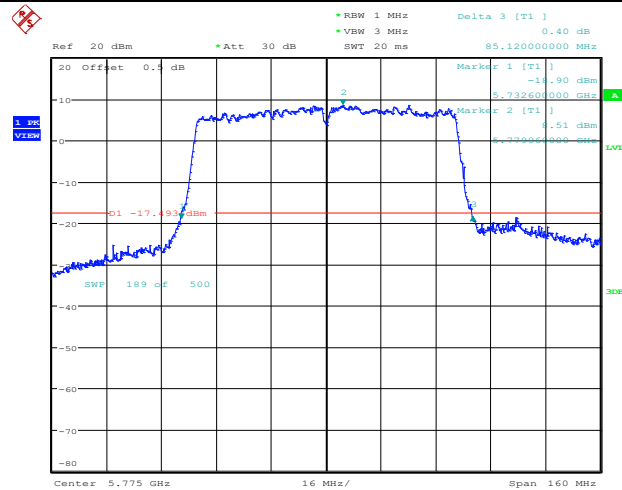


11AC80MIMO_Ant2_5610



Date: 12.MAY.2021 16:39:43

11AC80MIMO_Ant1_5775

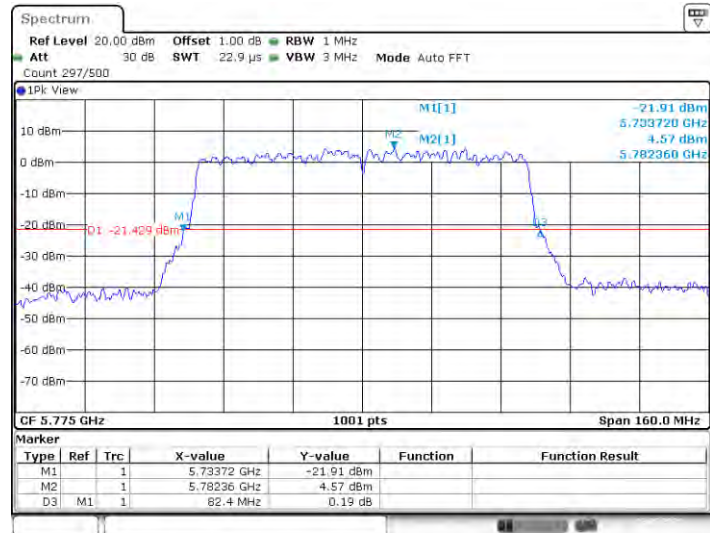


Date: 24.NOV.2020 15:24:38

11AC80MIMO_Ant2_5775



CTC Laboratories, Inc.



Date: 12.MAY.2021 16:41:26



Appendix A2: Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency (MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.160	5171.480	5188.640	---	PASS
	Ant2	5180	16.783	5171.688	5188.472	---	PASS
	Ant1	5200	17.160	5191.440	5208.600	---	PASS
	Ant2	5200	16.823	5191.728	5208.551	---	PASS
	Ant1	5240	17.200	5231.400	5248.600	---	PASS
	Ant2	5240	16.783	5231.728	5248.511	---	PASS
	Ant1	5260	17.240	5251.400	5268.640	---	PASS
	Ant2	5260	16.743	5251.768	5268.511	---	PASS
	Ant1	5280	17.160	5271.440	5288.600	---	PASS
	Ant2	5280	16.783	5271.688	5288.472	---	PASS
	Ant1	5320	17.200	5311.440	5328.640	---	PASS
	Ant2	5320	16.783	5311.688	5328.472	---	PASS
	Ant1	5500	17.200	5491.440	5508.640	---	PASS
	Ant2	5500	16.863	5491.608	5508.472	---	PASS
	Ant1	5580	17.200	5571.400	5588.600	---	PASS
	Ant2	5580	16.823	5571.688	5588.511	---	PASS
	Ant1	5700	17.280	5691.400	5708.680	---	PASS
	Ant2	5700	16.903	5691.608	5708.511	---	PASS
	Ant1	5745	17.240	5736.400	5753.640	---	PASS
	Ant2	5745	16.863	5736.608	5753.472	---	PASS
	Ant1	5785	17.320	5776.400	5793.720	---	PASS
	Ant2	5785	16.943	5776.528	5793.472	---	PASS
	Ant1	5825	17.280	5816.400	5833.680	---	PASS
	Ant2	5825	16.703	5816.728	5833.432	---	PASS
11N20MIMO	Ant1	5180	18.320	5170.960	5189.280	---	PASS
	Ant2	5180	18.182	5171.009	5189.191	---	PASS
	Ant1	5200	18.360	5190.920	5209.280	---	PASS
	Ant2	5200	18.142	5191.009	5209.151	---	PASS
	Ant1	5240	18.360	5230.920	5249.280	---	PASS
	Ant2	5240	18.102	5231.009	5249.111	---	PASS
	Ant1	5260	18.400	5250.880	5269.280	---	PASS
	Ant2	5260	18.062	5251.089	5269.151	---	PASS
	Ant1	5280	18.400	5270.880	5289.280	---	PASS
	Ant2	5280	18.062	5271.089	5289.151	---	PASS
	Ant1	5320	18.400	5310.920	5329.320	---	PASS
	Ant2	5320	18.182	5311.009	5329.191	---	PASS



CTC Laboratories, Inc.

	Ant1	5500	18.280	5490.960	5509.240	---	PASS
	Ant2	5500	18.142	5491.009	5509.151	---	PASS
	Ant1	5580	18.280	5570.920	5589.200	---	PASS
	Ant2	5580	17.982	5571.049	5589.031	---	PASS
	Ant1	5700	18.240	5691.000	5709.240	---	PASS
	Ant2	5700	18.142	5691.049	5709.191	---	PASS
	Ant1	5745	18.240	5736.000	5754.240	---	PASS
	Ant2	5745	18.142	5736.049	5754.191	---	PASS
	Ant1	5785	18.400	5775.920	5794.320	---	PASS
	Ant2	5785	18.182	5775.969	5794.151	---	PASS
	Ant1	5825	18.360	5815.920	5834.280	---	PASS
	Ant2	5825	18.062	5816.049	5834.111	---	PASS
11N40MIMO	Ant1	5190	36.720	5171.760	5208.480	---	PASS
	Ant2	5190	36.523	5171.858	5208.382	---	PASS
	Ant1	5230	36.720	5211.760	5248.480	---	PASS
	Ant2	5230	36.364	5211.938	5248.302	---	PASS
	Ant1	5270	36.720	5251.760	5288.480	---	PASS
	Ant2	5270	36.444	5251.858	5288.302	---	PASS
	Ant1	5310	36.800	5291.760	5328.560	---	PASS
	Ant2	5310	36.284	5291.938	5328.222	---	PASS
	Ant1	5510	36.720	5491.760	5528.480	---	PASS
	Ant2	5510	36.364	5491.858	5528.222	---	PASS
	Ant1	5550	36.720	5531.760	5568.480	---	PASS
	Ant2	5550	36.444	5531.858	5568.302	---	PASS
	Ant1	5670	36.720	5651.840	5688.560	---	PASS
	Ant2	5670	36.444	5651.938	5688.382	---	PASS
	Ant1	5755	36.800	5736.760	5773.560	---	PASS
	Ant2	5755	36.523	5736.858	5773.382	---	PASS
	Ant1	5795	36.720	5776.840	5813.560	---	PASS
	Ant2	5795	36.523	5776.778	5813.302	---	PASS
11AC20MIMO	Ant1	5180	18.360	5170.880	5189.240	---	PASS
	Ant2	5180	18.062	5170.969	5189.031	---	PASS
	Ant1	5200	18.360	5190.880	5209.240	---	PASS
	Ant2	5200	17.982	5191.089	5209.071	---	PASS
	Ant1	5240	18.360	5230.880	5249.240	---	PASS
	Ant2	5240	17.862	5231.129	5248.991	---	PASS
	Ant1	5260	18.360	5250.880	5269.240	---	PASS
	Ant2	5260	18.022	5251.089	5269.111	---	PASS
	Ant1	5280	18.360	5270.880	5289.240	---	PASS
	Ant2	5280	18.062	5271.089	5289.151	---	PASS
	Ant1	5320	18.400	5310.880	5329.280	---	PASS
	Ant2	5320	18.022	5311.089	5329.111	---	PASS
	Ant1	5500	18.320	5490.920	5509.240	---	PASS

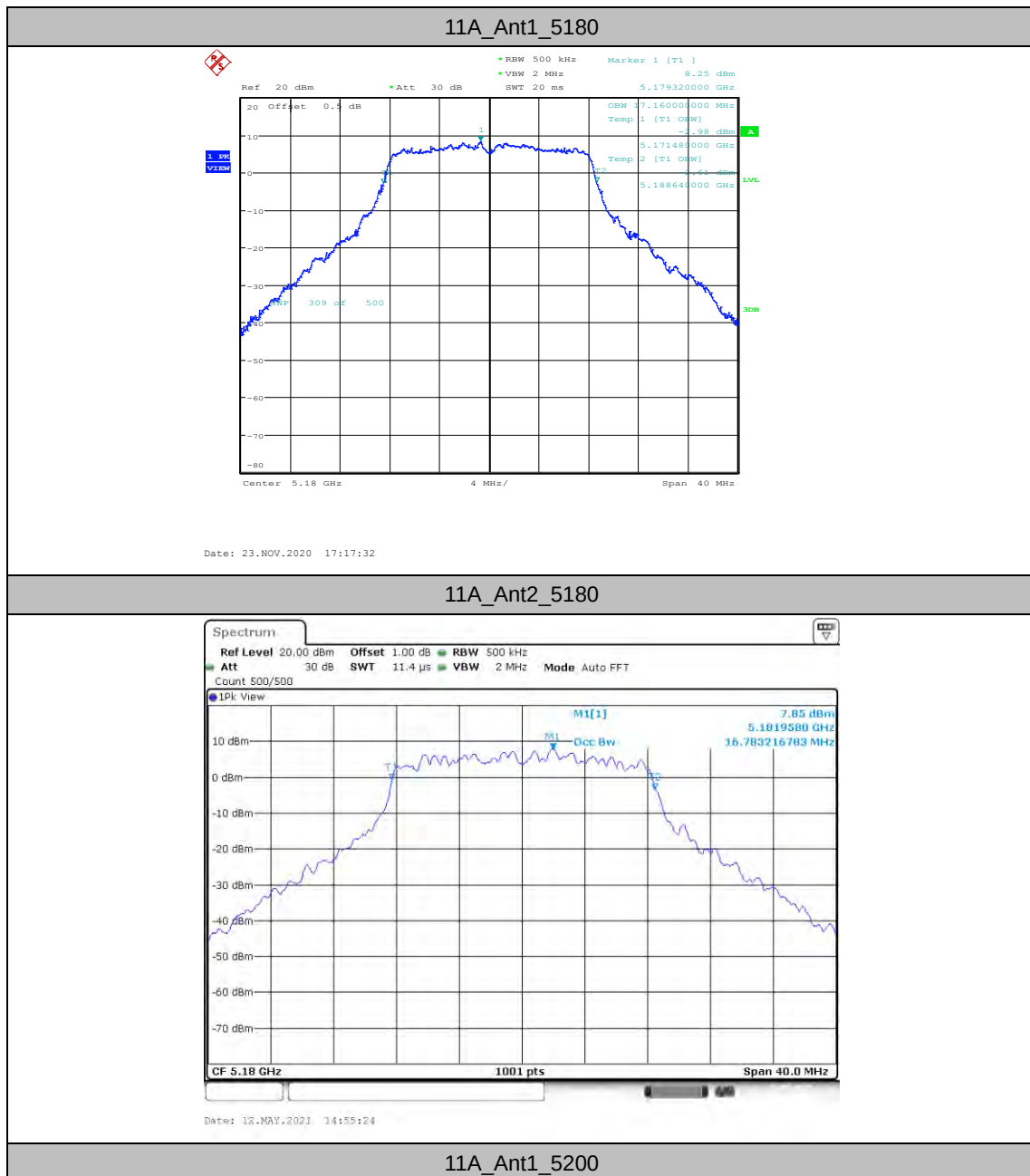


CTC Laboratories, Inc.

	Ant2	5500	17.982	5491.049	5509.031	---	PASS
	Ant1	5580	18.360	5570.880	5589.240	---	PASS
	Ant2	5580	18.022	5571.089	5589.111	---	PASS
	Ant1	5700	18.360	5690.920	5709.280	---	PASS
	Ant2	5700	18.022	5691.049	5709.071	---	PASS
	Ant1	5745	18.400	5735.880	5754.280	---	PASS
	Ant2	5745	17.982	5736.089	5754.071	---	PASS
	Ant1	5785	18.360	5775.920	5794.280	---	PASS
	Ant2	5785	18.062	5776.049	5794.111	---	PASS
	Ant1	5825	18.360	5815.920	5834.280	---	PASS
	Ant2	5825	18.022	5816.049	5834.071	---	PASS
11AC40MIMO	Ant1	5190	36.640	5171.760	5208.400	---	PASS
	Ant2	5190	36.284	5171.938	5208.222	---	PASS
	Ant1	5230	36.640	5211.760	5248.400	---	PASS
	Ant2	5230	36.364	5211.858	5248.222	---	PASS
	Ant1	5270	36.640	5251.760	5288.400	---	PASS
	Ant2	5270	36.603	5251.938	5288.541	---	PASS
	Ant1	5310	36.720	5291.760	5328.480	---	PASS
	Ant2	5310	36.523	5291.858	5328.382	---	PASS
	Ant1	5510	36.640	5491.760	5528.400	---	PASS
	Ant2	5510	36.523	5491.698	5528.222	---	PASS
	Ant1	5550	36.720	5531.680	5568.400	---	PASS
	Ant2	5550	36.364	5531.938	5568.302	---	PASS
	Ant1	5670	36.720	5651.760	5688.480	---	PASS
	Ant2	5670	36.364	5651.938	5688.302	---	PASS
	Ant1	5755	36.720	5736.760	5773.480	---	PASS
	Ant2	5755	36.444	5736.778	5773.222	---	PASS
	Ant1	5795	36.720	5776.760	5813.480	---	PASS
	Ant2	5795	36.364	5776.938	5813.302	---	PASS
11AC80MIMO	Ant1	5210	76.160	5171.920	5248.080	---	PASS
	Ant2	5210	76.084	5172.118	5248.202	---	PASS
	Ant1	5290	76.320	5251.920	5328.240	---	PASS
	Ant2	5290	76.244	5251.958	5328.202	---	PASS
	Ant1	5530	76.320	5491.920	5568.240	---	PASS
	Ant2	5530	76.244	5492.118	5568.362	---	PASS
	Ant1	5610	76.320	5571.920	5648.240	---	PASS
	Ant2	5610	76.244	5572.118	5648.362	---	PASS
	Ant1	5775	76.480	5736.920	5813.400	---	PASS
	Ant2	5775	75.764	5737.278	5813.042	---	PASS

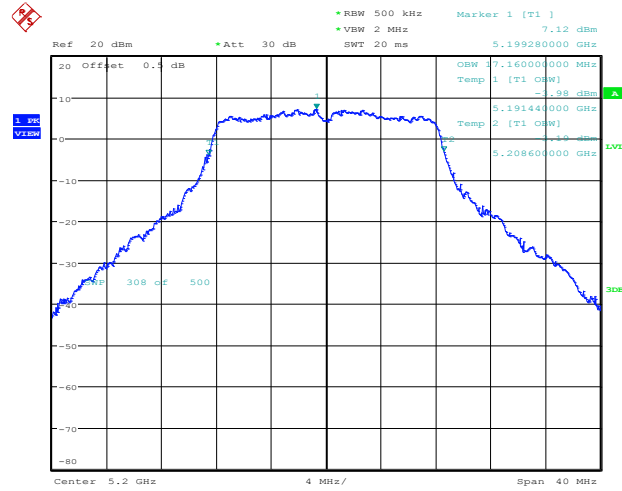


Test Graphs





CTC Laboratories, Inc.



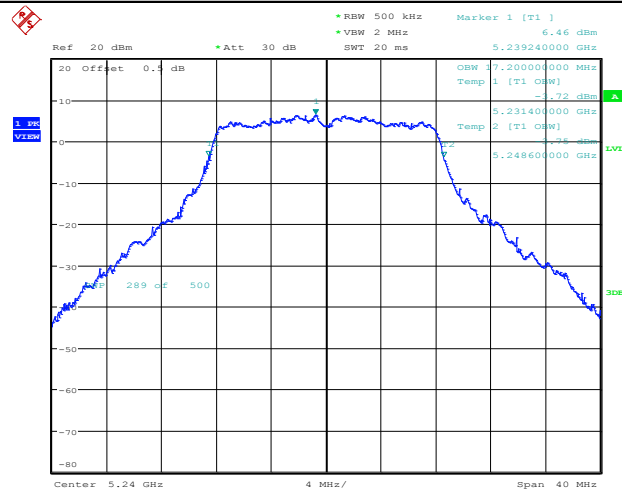
Date: 23.NOV.2020 17:23:43

11A_Ant2_5200



Date: 12.MAY.2021 14:56:53

11A_Ant1_5240



Date: 23.NOV.2020 17:25:55

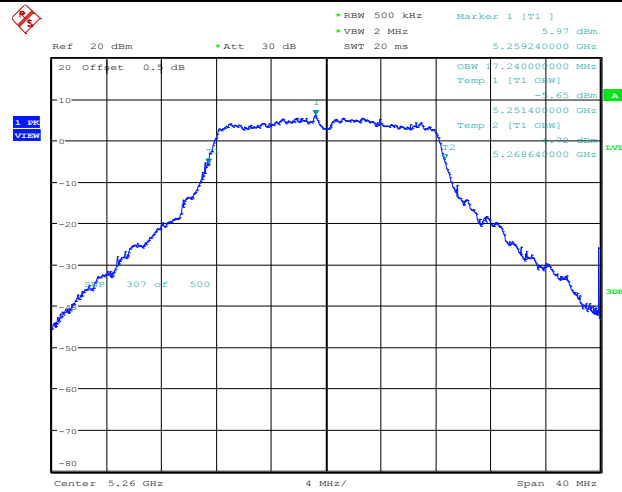


11A_Ant2_5240



Date: 12.MAY.2021 14:58:26

11A_Ant1_5260

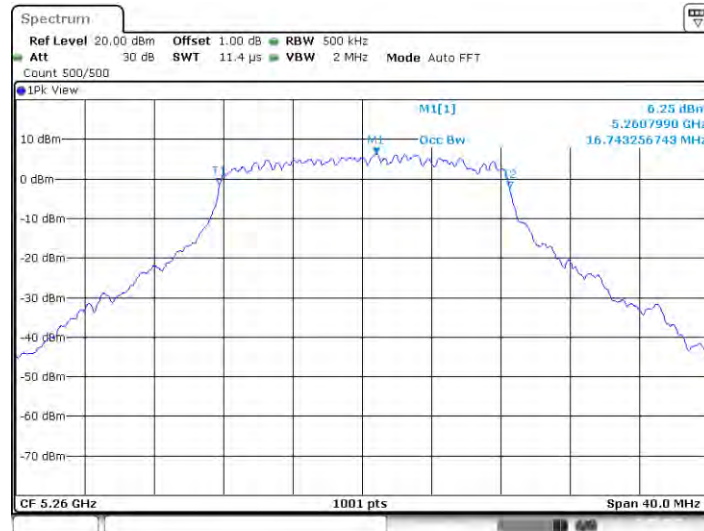


Date: 23.NOV.2020 17:27:58

11A_Ant2_5260

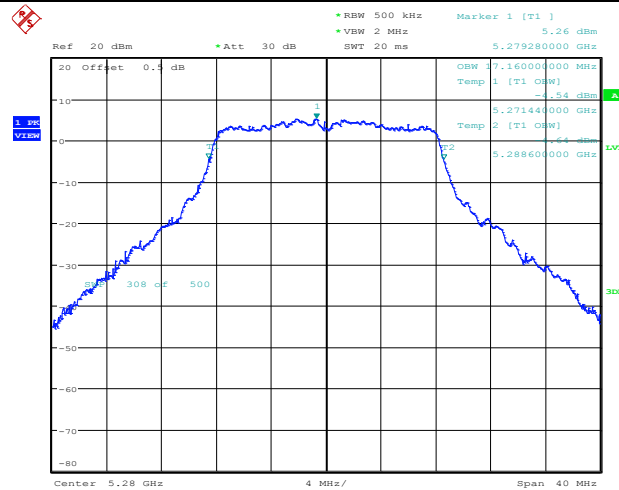


CTC Laboratories, Inc.



Date: 12.MAY.2021 14:59:54

11A_Ant1_5280



Date: 23.NOV.2020 17:30:24

11A_Ant2_5280

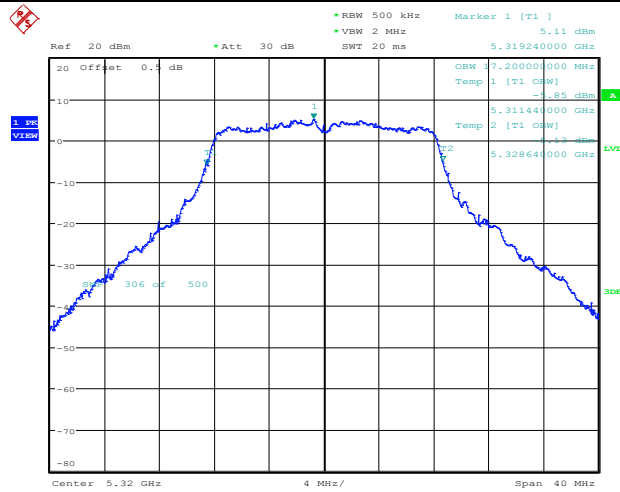


Date: 12.MAY.2021 15:01:29



CTC Laboratories, Inc.

11A_Ant1_5320



Date: 23.NOV.2020 17:32:18

11A_Ant2_5320

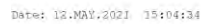


Date: 12.MAY.2021 15:03:01

11A_Ant1_5500



11A_Ant2_5500



11A_Ant1_5580

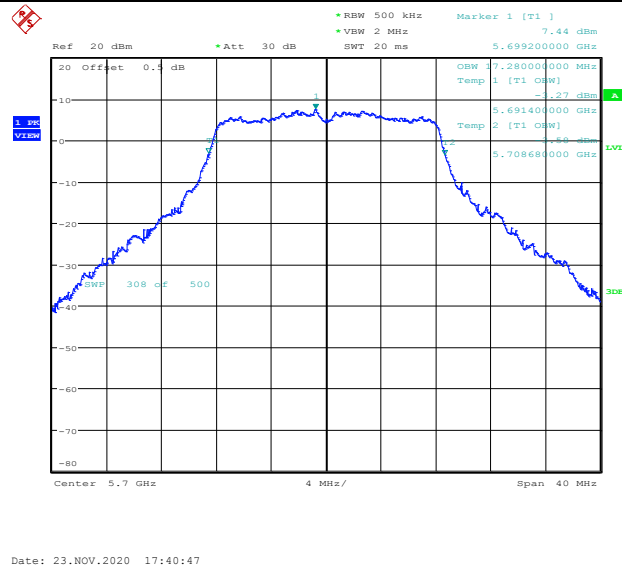




11A_Ant2_5580



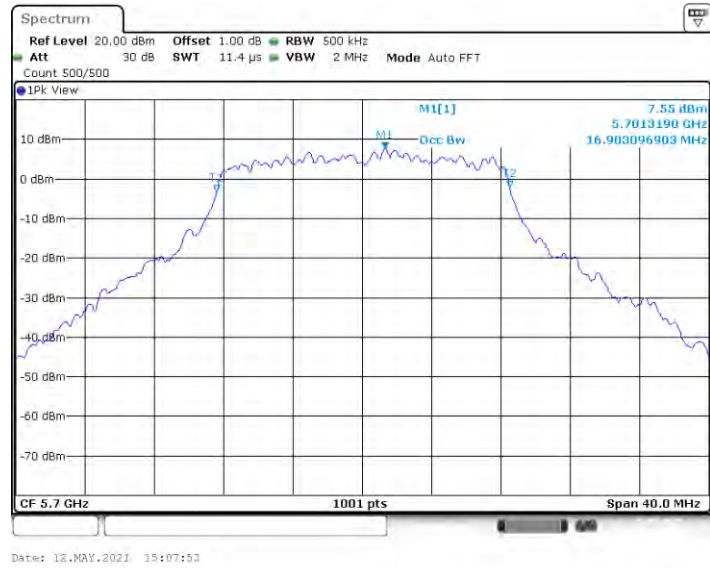
11A_Ant1_5700



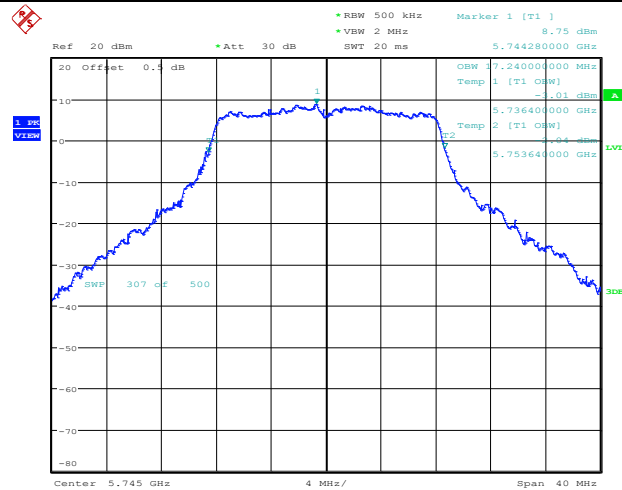
11A_Ant2_5700



CTC Laboratories, Inc.



11A_Ant1_5745



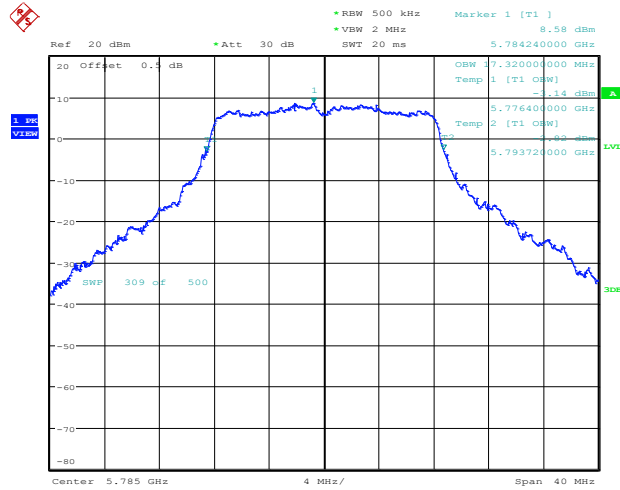
11A_Ant2_5745





CTC Laboratories, Inc.

11A_Ant1_5785



Date: 23.NOV.2020 17:48:39

11A_Ant2_5785

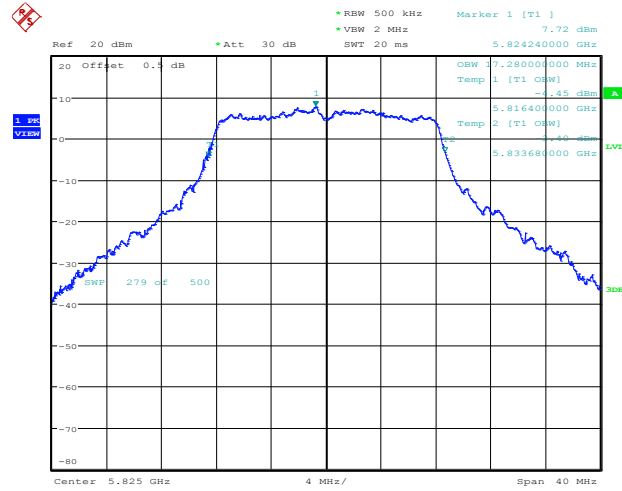


Date: 12.MAY.2021 15:12:39

11A_Ant1_5825



CTC Laboratories, Inc.

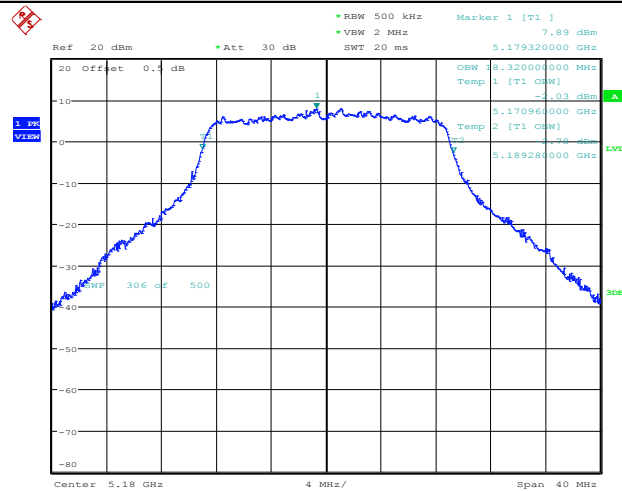


Date: 23.NOV.2020 17:50:58

11A_Ant2_5825



11N20MIMO_Ant1_5180



Date: 24.NOV.2020 11:29:56



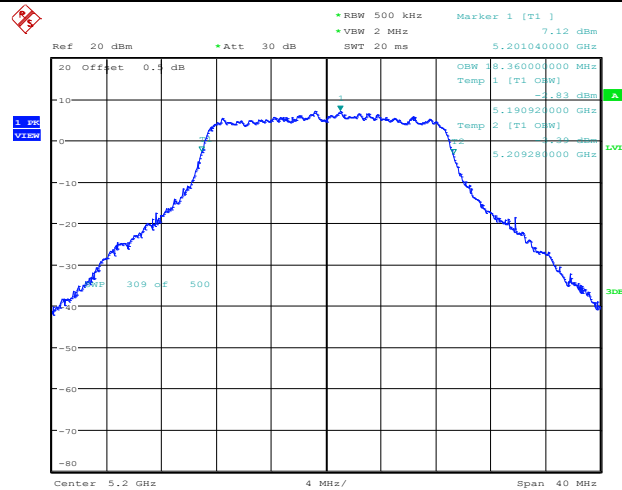
CTC Laboratories, Inc.

11N20MIMO_Ant2_5180



Date: 12.MAY.2021 15:15:57

11N20MIMO_Ant1_5200



Date: 24.NOV.2020 11:33:09

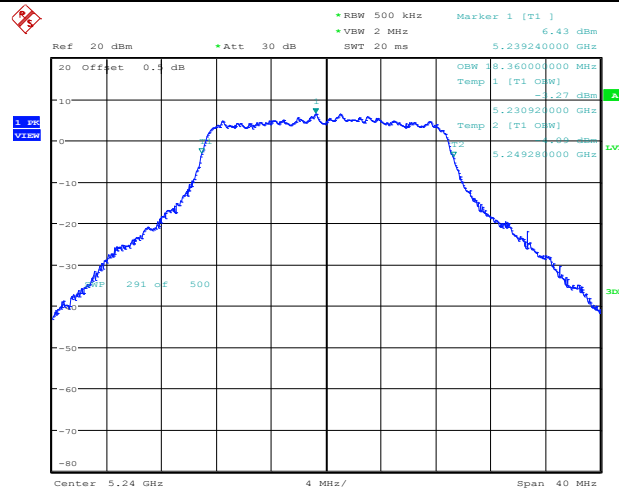
11N20MIMO_Ant2_5200



CTC Laboratories, Inc.



11N20MIMO_Ant1_5240



Date: 24.NOV.2020 11:34:55

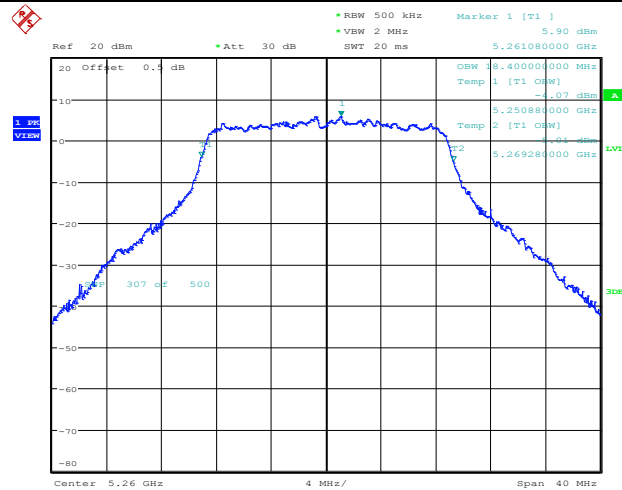
11N20MIMO_Ant2_5240





CTC Laboratories, Inc.

11N20MIMO_Ant1_5260



Date: 24.NOV.2020 11:36:49

11N20MIMO_Ant2_5260

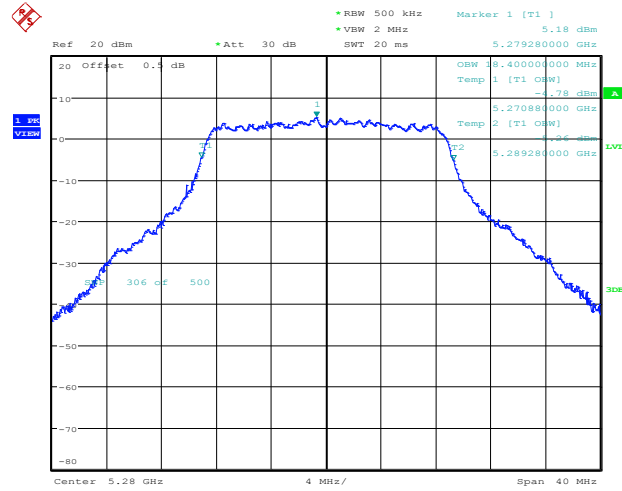


Date: 12.MAY.2021 15:20:33

11N20MIMO_Ant1_5280



CTC Laboratories, Inc.



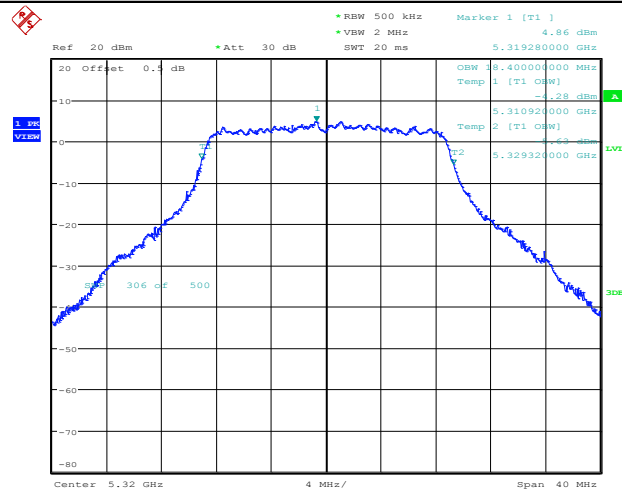
Date: 24.NOV.2020 11:38:58

11N20MIMO_Ant2_5280



Date: 12.MAY.2021 15:22:05

11N20MIMO_Ant1_5320



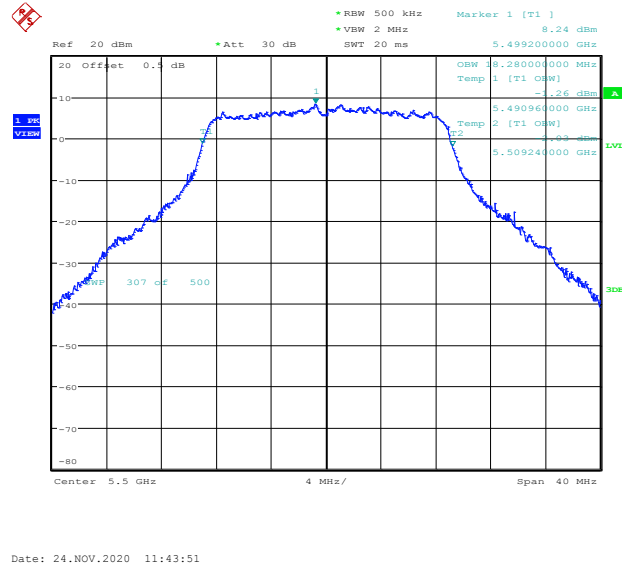
Date: 24.NOV.2020 11:40:47



11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5500



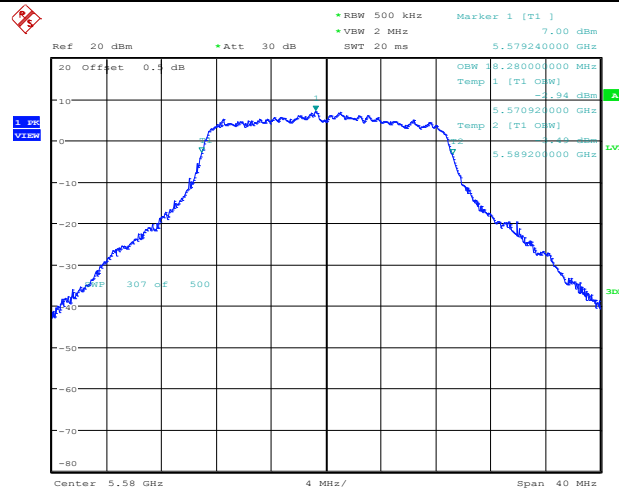
11N20MIMO_Ant2_5500



CTC Laboratories, Inc.

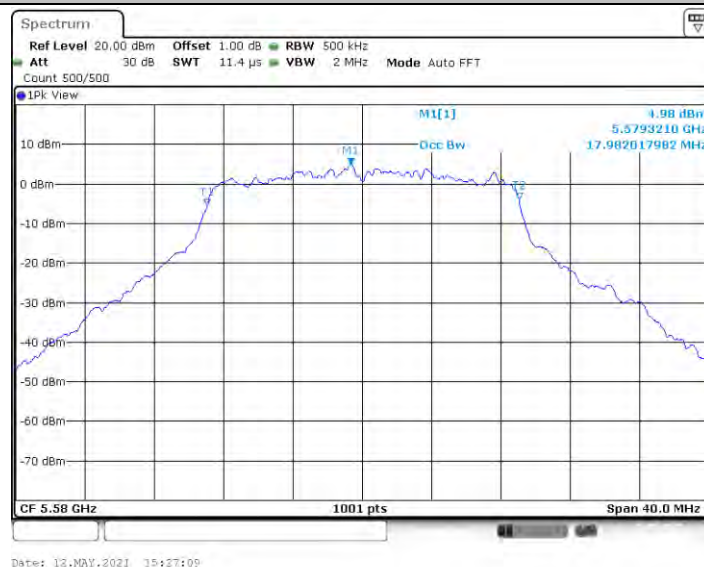


11N20MIMO_Ant1_5580



Date: 24.NOV.2020 11:48:18

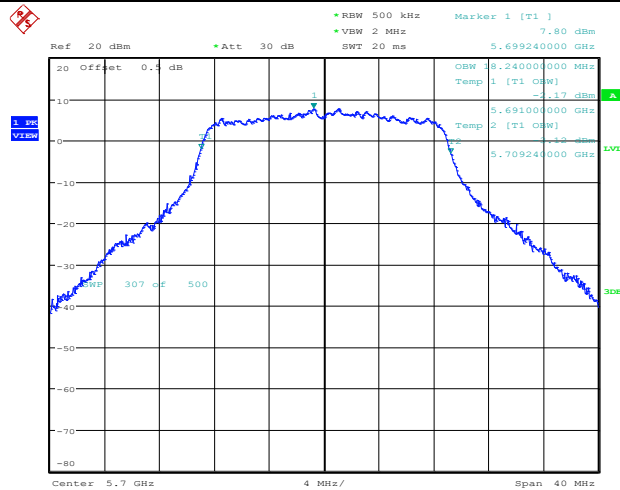
11N20MIMO_Ant2_5580





CTC Laboratories, Inc.

11N20MIMO_Ant1_5700



Date: 24.NOV.2020 11:50:08

11N20MIMO_Ant2_5700

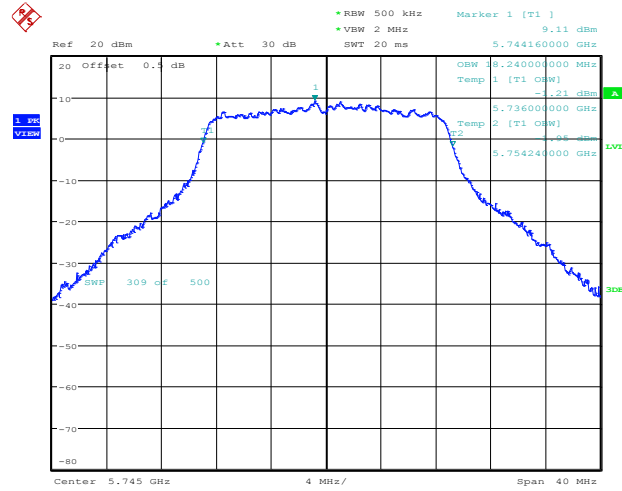


Date: 12.MAY.2021 15:29:32

11N20MIMO_Ant1_5745

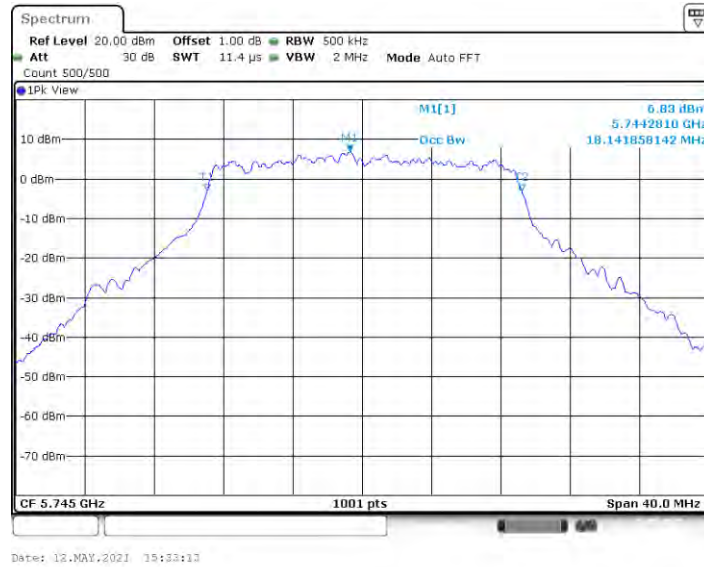


CTC Laboratories, Inc.

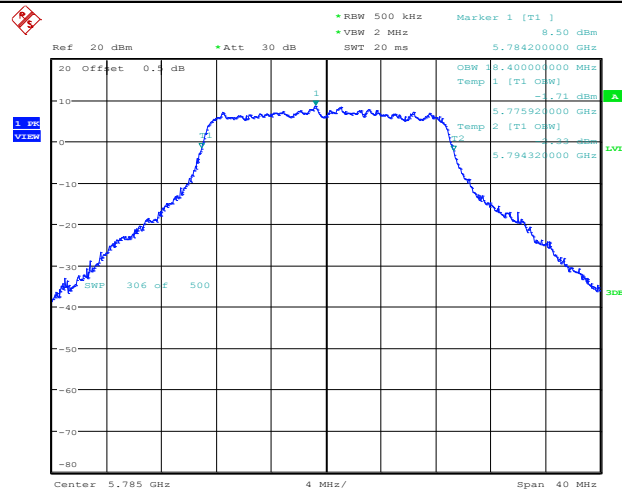


Date: 24.NOV.2020 11:53:34

11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



Date: 24.NOV.2020 11:57:01

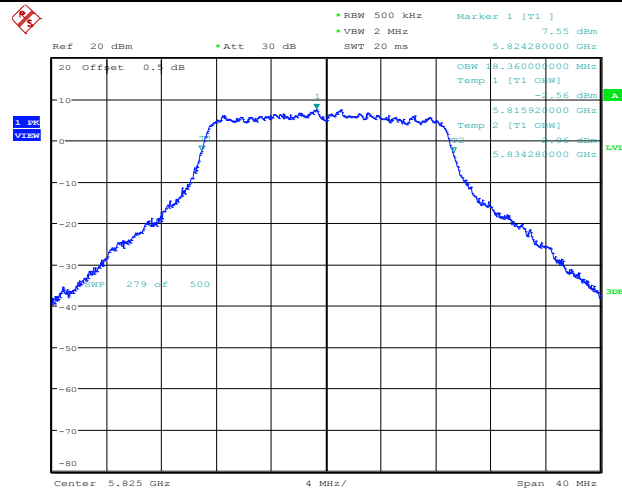


11N20MIMO_Ant2_5785



Date: 12.MAY.2021 15:35:22

11N20MIMO_Ant1_5825



Date: 24.NOV.2020 12:00:06

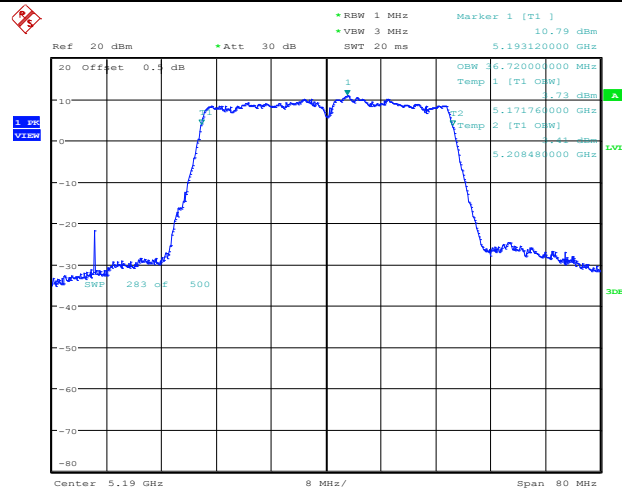
11N20MIMO_Ant2_5825



CTC Laboratories, Inc.



11N40MIMO_Ant1_5190



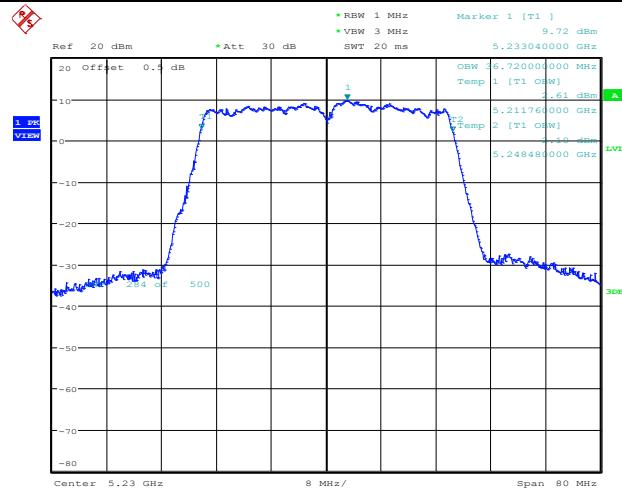
11N40MIMO_Ant2_5190





CTC Laboratories, Inc.

11N40MIMO_Ant1_5230



Date: 24.NOV.2020 13:49:06

11N40MIMO_Ant2_5230

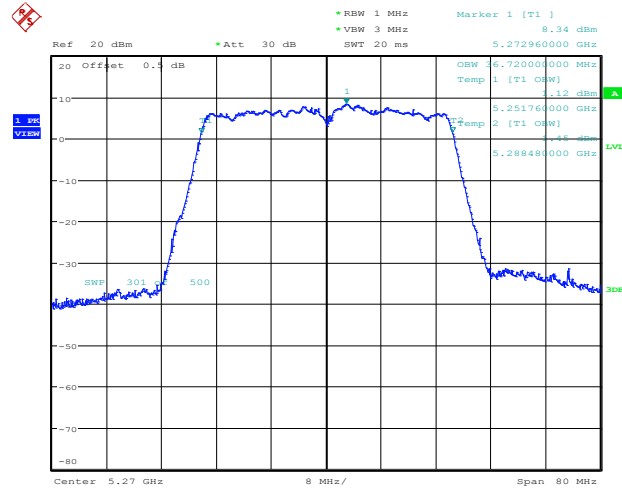


Date: 12.MAY.2021 15:40:39

11N40MIMO_Ant1_5270



CTC Laboratories, Inc.



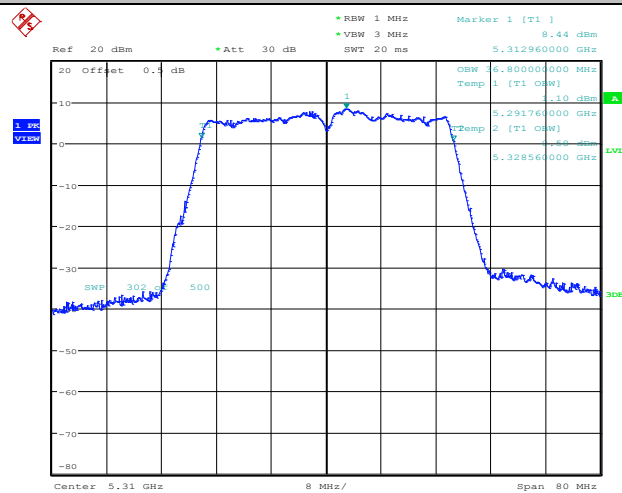
Date: 24.NOV.2020 13:50:58

11N40MIMO_Ant2_5270



Date: 12.MAY.2021 15:42:58

11N40MIMO_Ant1_5310

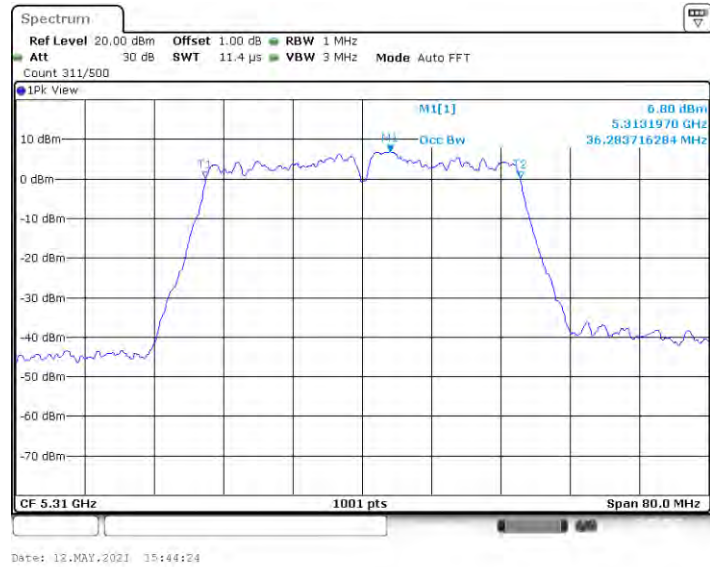


Date: 24.NOV.2020 13:52:50

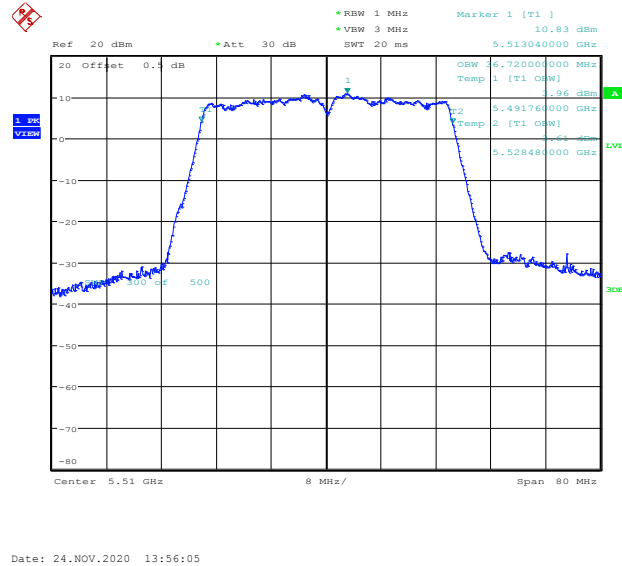


CTC Laboratories, Inc.

11N40MIMO_Ant2_5310



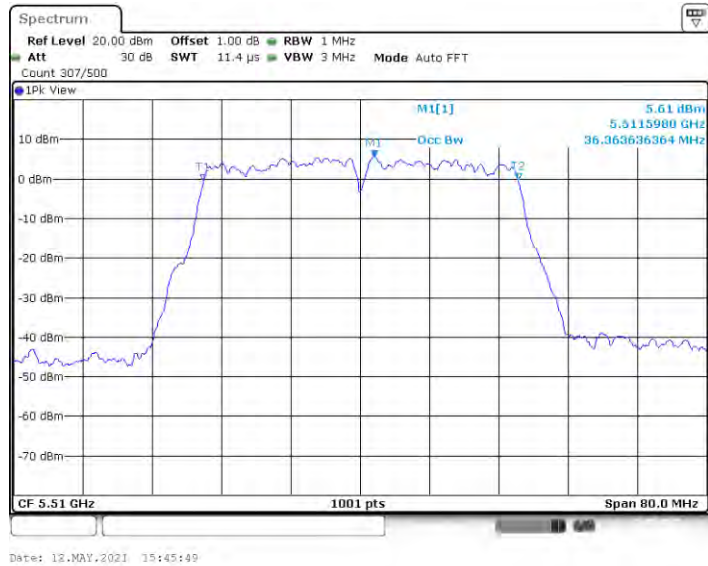
11N40MIMO_Ant1_5510



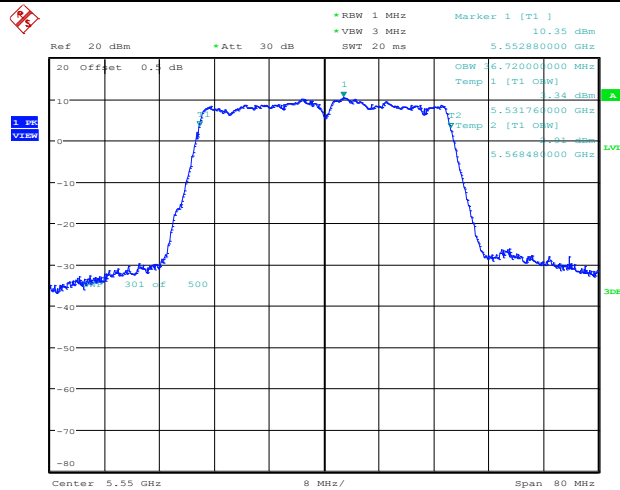
11N40MIMO_Ant2_5510



CTC Laboratories, Inc.



11N40MIMO_Ant1_5550



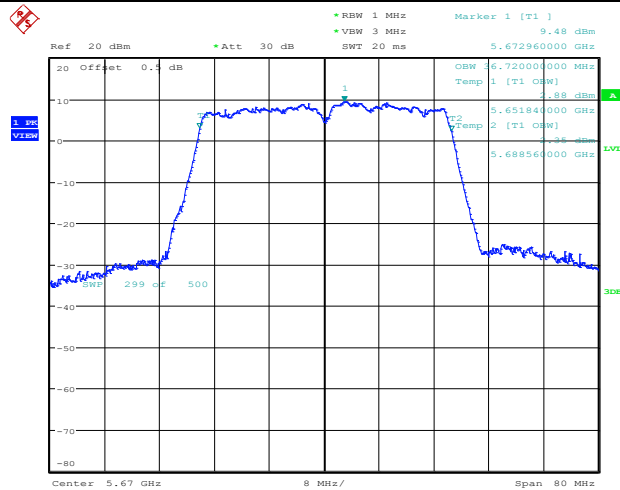
11N40MIMO_Ant2_5550





CTC Laboratories, Inc.

11N40MIMO_Ant1_5670



Date: 24.NOV.2020 14:01:12

11N40MIMO_Ant2_5670

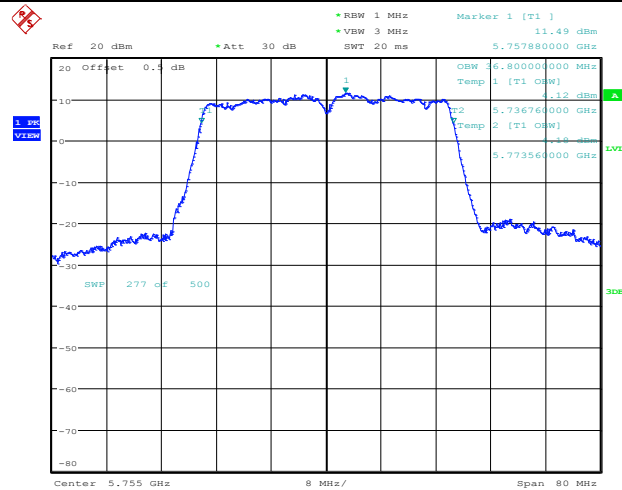


Date: 12.MAY.2021 15:54:30

11N40MIMO_Ant1_5755



CTC Laboratories, Inc.

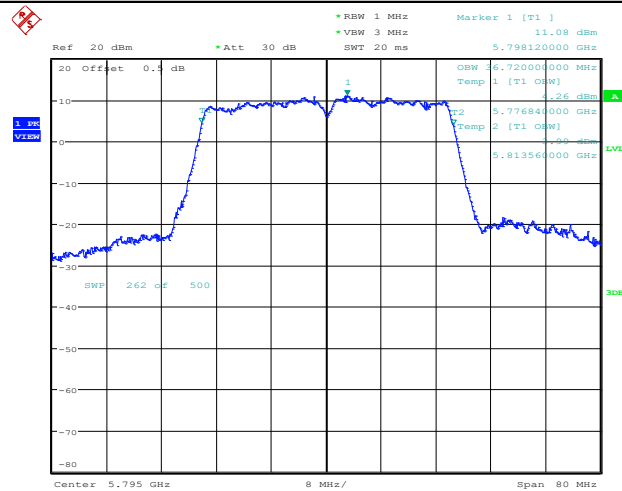


Date: 24.NOV.2020 14:04:42

11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



Date: 24.NOV.2020 14:08:34

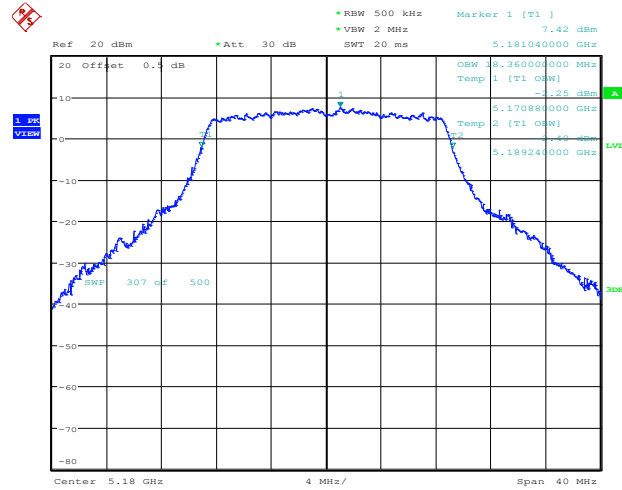


11N40MIMO_Ant2_5795



Date: 12.MAY.2021 15:58:06

11AC20MIMO_Ant1_5180



Date: 24.NOV.2020 14:11:28

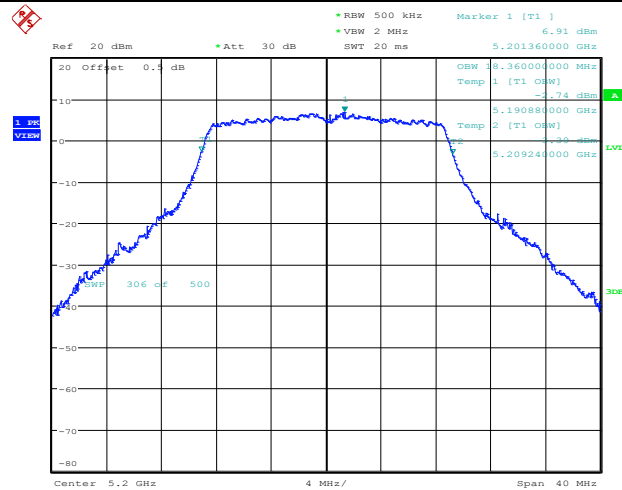
11AC20MIMO_Ant2_5180



CTC Laboratories, Inc.

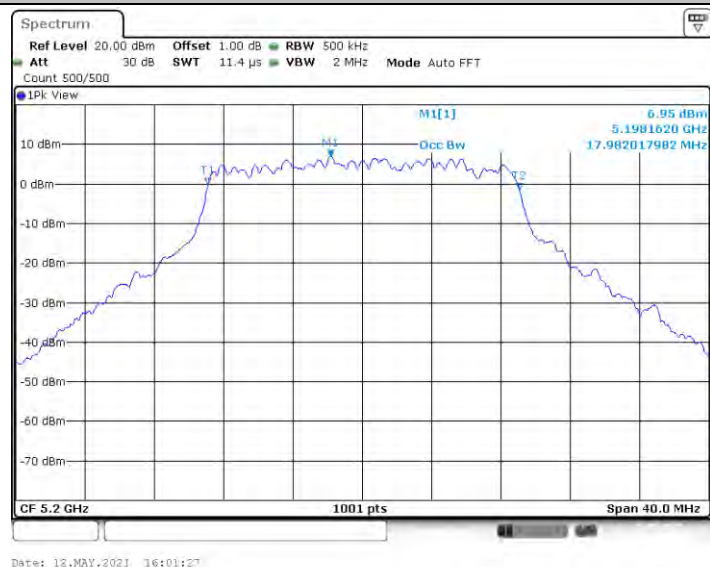


11AC20MIMO_Ant1_5200



Date: 24.NOV.2020 14:15:10

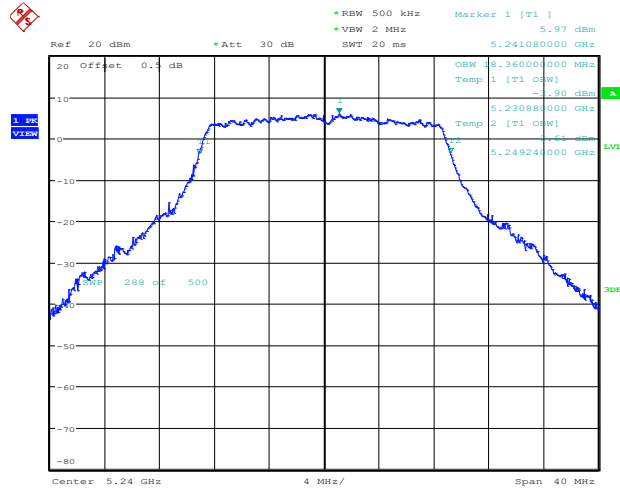
11AC20MIMO_Ant2_5200





CTC Laboratories, Inc.

11AC20MIMO_Ant1_5240



Date: 24.NOV.2020 14:17:08

11AC20MIMO_Ant2_5240

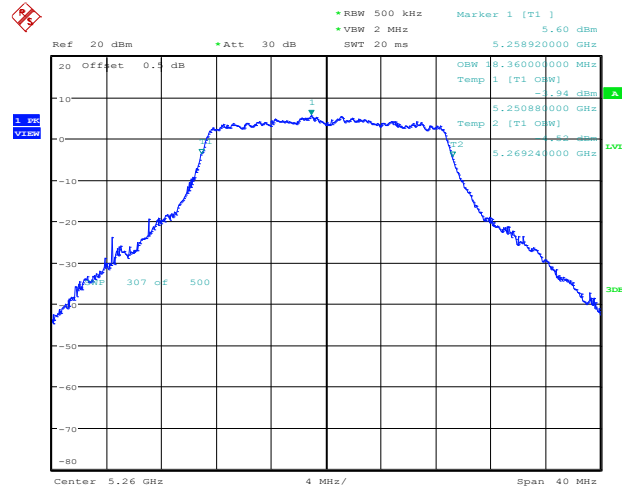


Date: 12.MAY.2021 16:03:14

11AC20MIMO_Ant1_5260



CTC Laboratories, Inc.



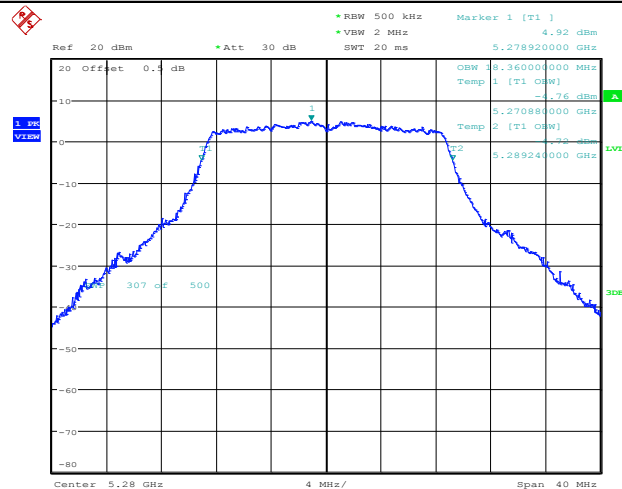
Date: 24.NOV.2020 14:19:01

11AC20MIMO_Ant2_5260



Date: 12.MAY.2021 16:04:42

11AC20MIMO_Ant1_5280



Date: 24.NOV.2020 14:20:51

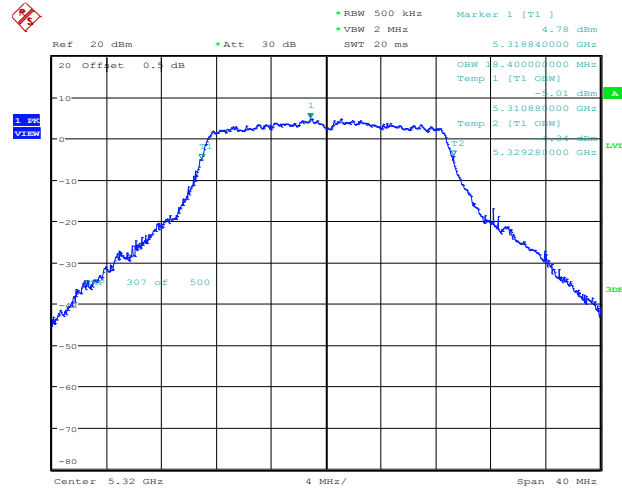


11AC20MIMO_Ant2_5280



Date: 12.MAY.2021 16:06:20

11AC20MIMO_Ant1_5320



Date: 24.NOV.2020 14:22:52

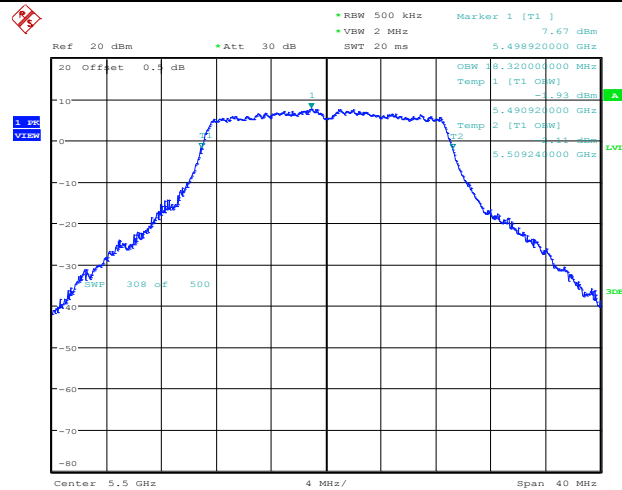
11AC20MIMO_Ant2_5320



CTC Laboratories, Inc.



11AC20MIMO_Ant1_5500



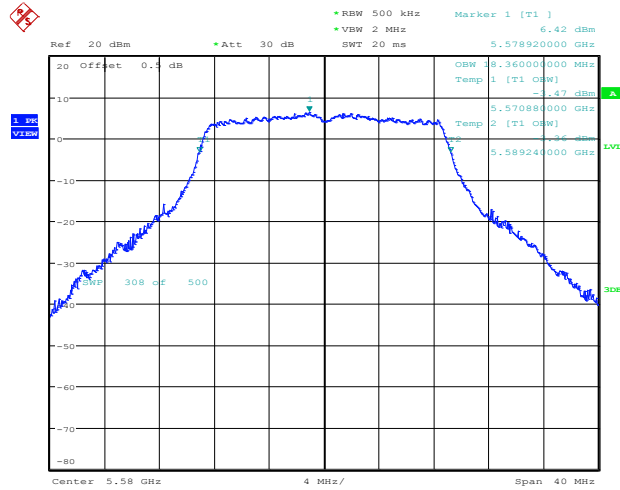
11AC20MIMO_Ant2_5500





CTC Laboratories, Inc.

11AC20MIMO_Ant1_5580



Date: 24.NOV.2020 14:32:08

11AC20MIMO_Ant2_5580

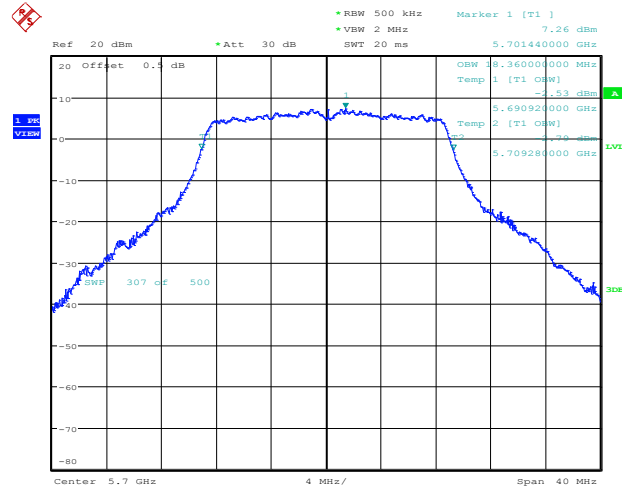


Date: 12.MAY.2021 16:11:09

11AC20MIMO_Ant1_5700



CTC Laboratories, Inc.



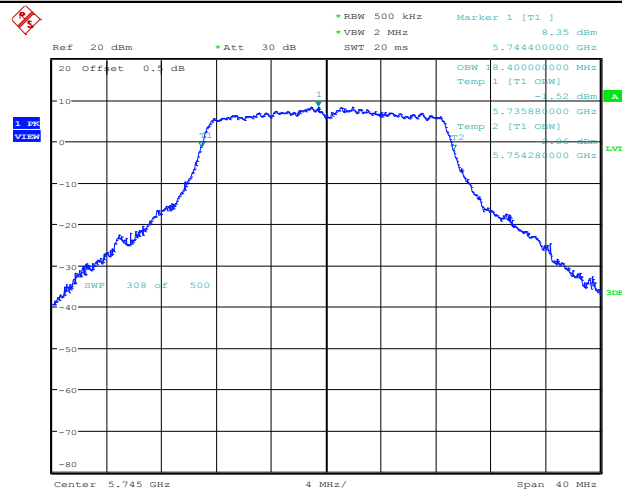
Date: 24.NOV.2020 14:34:01

11AC20MIMO_Ant2_5700



Date: 12.MAY.2021 16:12:43

11AC20MIMO_Ant1_5745



Date: 24.NOV.2020 14:37:28



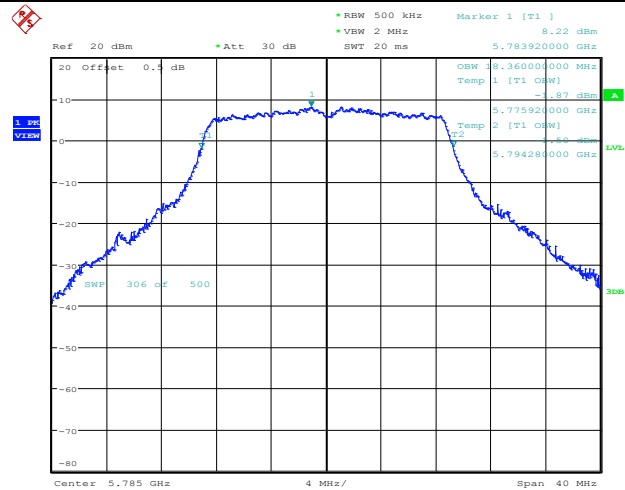
CTC Laboratories, Inc.

11AC20MIMO_Ant2_5745



Date: 12.MAY.2021 16:14:42

11AC20MIMO_Ant1_5785



Date: 24.NOV.2020 14:40:53

11AC20MIMO_Ant2_5785