

APPENDIX A

Appendix A1: Emission Bandwidth Test Result

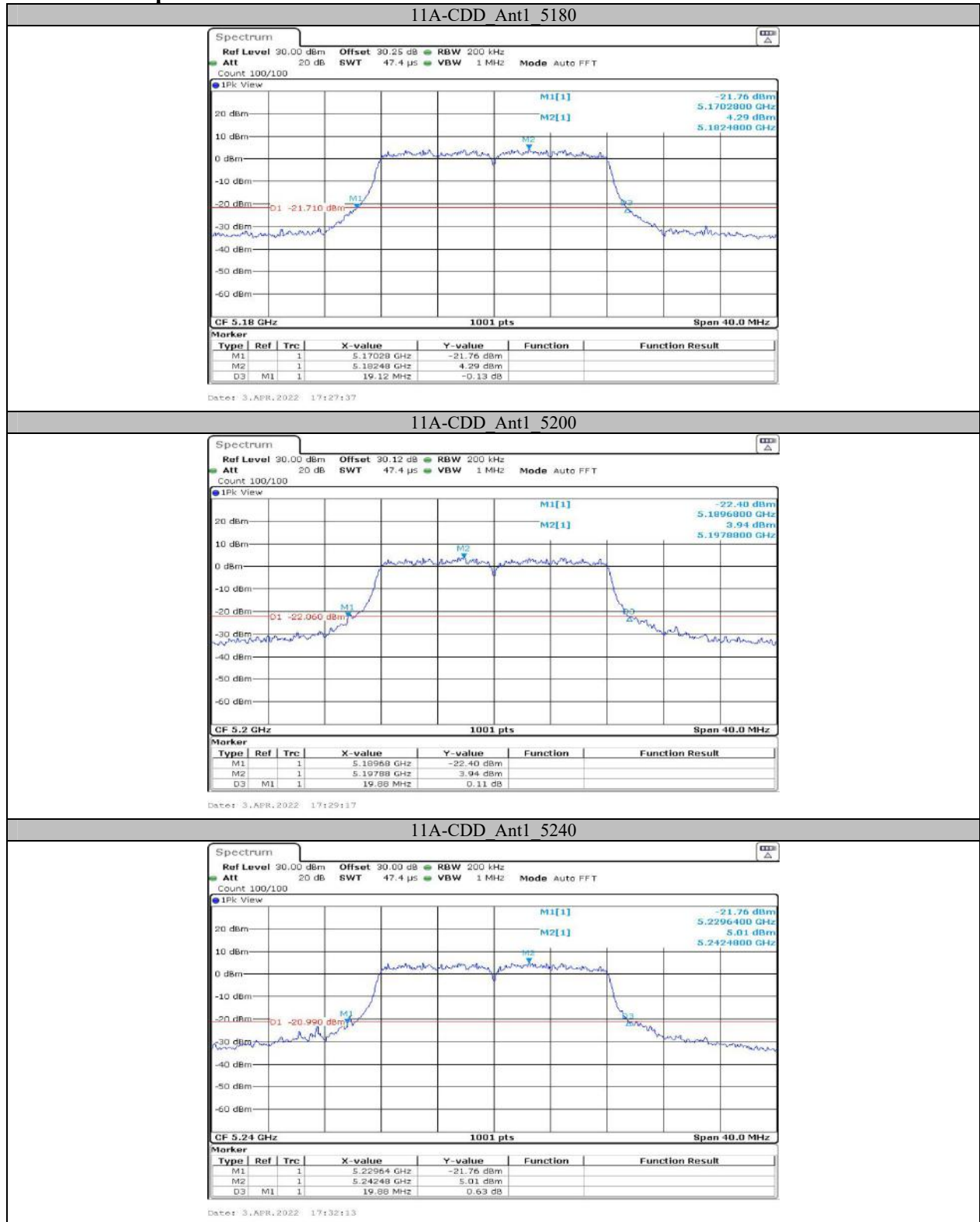
Test Mode	Antenna	Channel	26db EBW [MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	19.12	---	---
	Ant1	5200	19.88	---	---
	Ant1	5240	19.88	---	---
	Ant1	5260	19.20	---	---
	Ant1	5280	19.44	---	---
	Ant1	5320	19.48	---	---
	Ant1	5500	19.80	---	---
	Ant1	5580	19.68	---	---
	Ant1	5720	19.08	---	---
	Ant1	5720 UNII-2C	14.76	---	---
	Ant1	5720 UNII-3	4.32	---	---
11N20MIMO	Ant1	5180	20.32	---	---
	Ant1	5200	20.76	---	---
	Ant1	5240	20.76	---	---
	Ant1	5260	20.60	---	---
	Ant1	5280	20.48	---	---
	Ant1	5320	20.44	---	---
	Ant1	5500	20.72	---	---
	Ant1	5580	20.84	---	---
	Ant1	5720	20.52	---	---
	Ant1	5720 UNII-2C	15.24	---	---
	Ant1	5720 UNII-3	5.28	---	---
11N40MIMO	Ant1	5190	41.36	---	---
	Ant1	5230	40.80	---	---
	Ant1	5270	41.36	---	---
	Ant1	5310	41.44	---	---
	Ant1	5510	40.96	---	---
	Ant1	5550	41.12	---	---
	Ant1	5710	40.56	---	---
	Ant1	5710 UNII-2C	35.16	---	---
	Ant1	5710 UNII-3	5.4	---	---
11AC20MIMO	Ant1	5180	20.76	---	---
	Ant1	5200	20.72	---	---
	Ant1	5240	20.84	---	---
	Ant1	5260	21.08	---	---
	Ant1	5280	20.32	---	---
	Ant1	5320	20.72	---	---
	Ant1	5500	20.68	---	---
	Ant1	5580	20.64	---	---
	Ant1	5720	20.32	---	---
	Ant1	5720 UNII-2C	15.12	---	---
	Ant1	5720 UNII-3	5.2	---	---
11AC40MIMO	Ant1	5190	40.88	---	---
	Ant1	5230	41.44	---	---
	Ant1	5270	41.76	---	---
	Ant1	5310	41.44	---	---
	Ant1	5510	41.92	---	---
	Ant1	5550	40.88	---	---
	Ant1	5710	41.12	---	---
	Ant1	5710 UNII-2C	35.4	---	---
	Ant1	5710 UNII-3	5.72	---	---
11AC80MIMO	Ant1	5210	83.52	---	---

	Ant1	5290	83.36	---	---
	Ant1	5530	84.96	---	---
	Ant1	5610	82.56	---	---
	Ant1	5690	83.04	---	---
	Ant1	5690 UNII-2C	76.12	---	---
	Ant1	5690 UNII-3	6.92	---	---

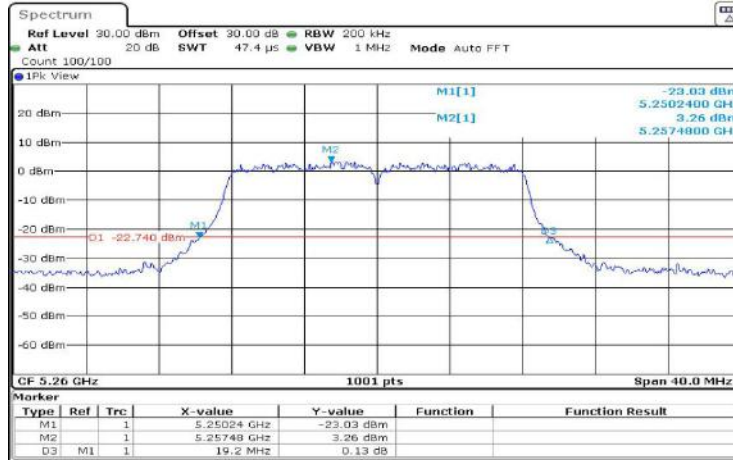
For 802.11 ax mode, worst case as below:

Test Mode	Antenna	Frequency [MHz]	RuSize	RuIndex	26db BW [MHz]	Limit [MHz]	Verdict
11AX20MIM O	Ant1	5180	242Tone	RU61	21.40	---	---
	Ant1	5200	242Tone	RU61	21.52	---	---
	Ant1	5240	242Tone	RU61	21.20	---	---
	Ant1	5260	242Tone	RU61	21.52	---	---
	Ant1	5280	242Tone	RU61	21.28	---	---
	Ant1	5320	242Tone	RU61	21.52	---	---
	Ant1	5500	242Tone	RU61	21.16	---	---
	Ant1	5580	242Tone	RU61	21.36	---	---
	Ant1	5720	242Tone	RU61	20.32	---	---
	Ant1	5720 UNII-2C	242Tone	RU61	15.16	---	---
11AX40MIM O	Ant1	5720 UNII-3	242Tone	RU61	5.16	---	---
	Ant1	5190	484Tone	RU65	41.92	---	---
	Ant1	5230	484Tone	RU65	41.68	---	---
	Ant1	5270	484Tone	RU65	41.68	---	---
	Ant1	5310	484Tone	RU65	42.16	---	---
	Ant1	5510	484Tone	RU65	41.44	---	---
	Ant1	5550	484Tone	RU65	41.28	---	---
	Ant1	5710	484Tone	RU65	41.60	---	---
11AX80MIM O	Ant1	5710 UNII-2C	484Tone	RU65	35.72	---	---
	Ant1	5710 UNII-3	484Tone	RU65	5.88	---	---
	Ant1	5210	996Tone	RU67	82.72	---	---
	Ant1	5290	996Tone	RU67	82.40	---	---
	Ant1	5530	996Tone	RU67	82.88	---	---
	Ant1	5610	996Tone	RU67	82.56	---	---
	Ant1	5690	996Tone	RU67	82.88	---	---
	Ant1	5690 UNII-2C	996Tone	RU67	76.60	---	---
	Ant1	5690 UNII-3	996Tone	RU67	6.28	---	---

Test Graphs

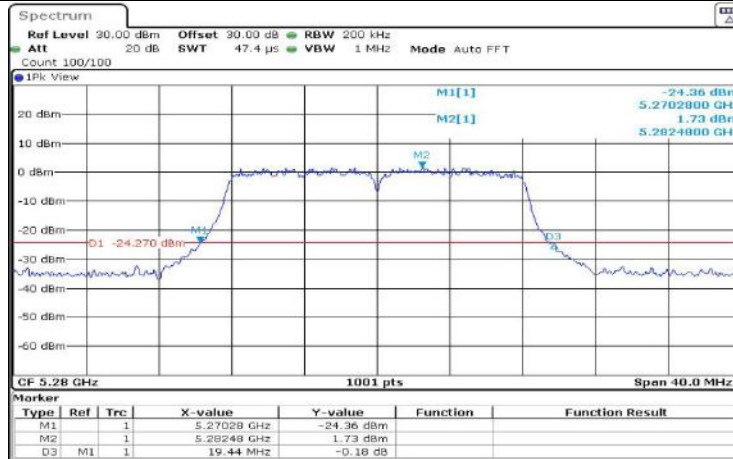


11A-CDD Ant1 5260



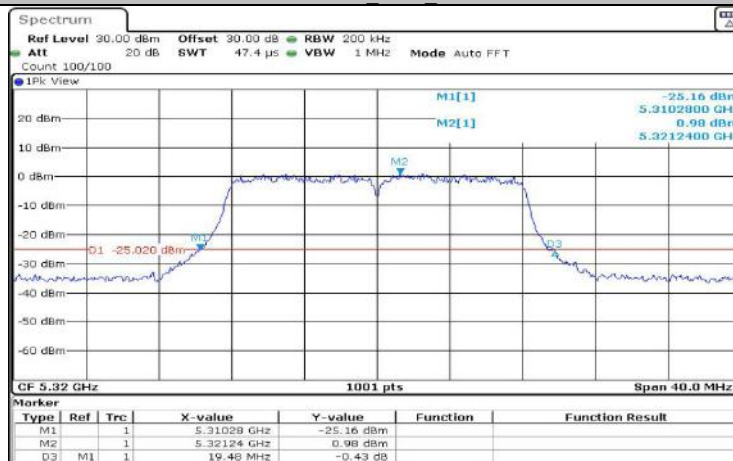
Date: 4.APR.2022 18:54:56

11A-CDD Ant1 5280



Date: 4.APR.2022 19:01:42

11A-CDD Ant1 5320



Date: 4.APR.2022 19:07:54

11A-CDD Ant1 5500



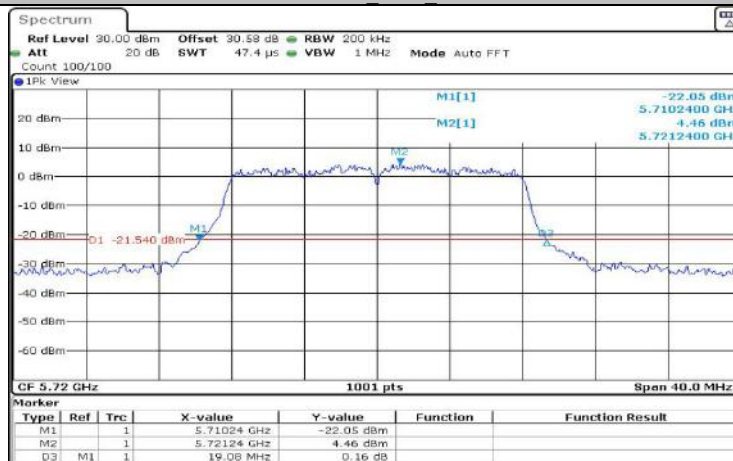
Date: 4.APR.2022 19:11:21

11A-CDD Ant1 5580



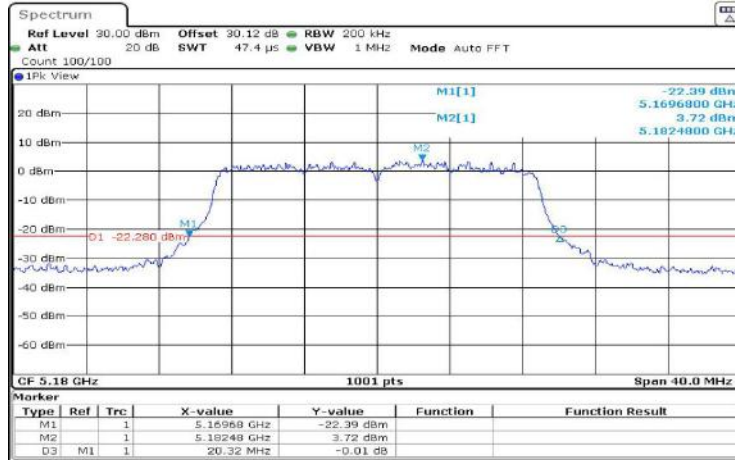
Date: 4.APR.2022 19:16:18

11A-CDD Ant1 5720



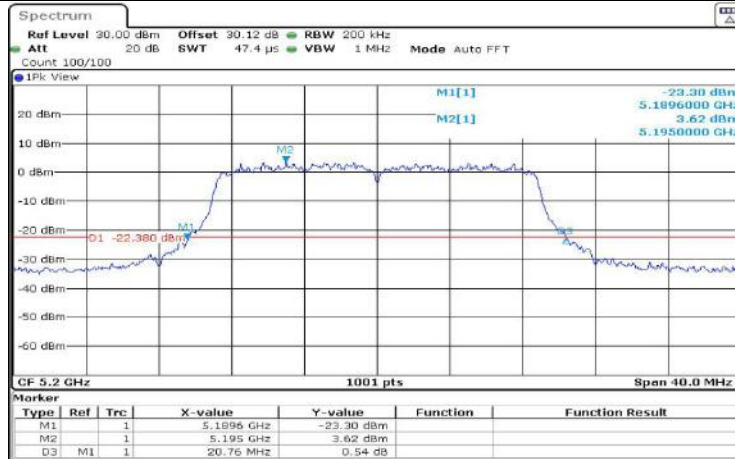
Date: 4.APR.2022 19:38:27

11N20MIMO Ant1 5180



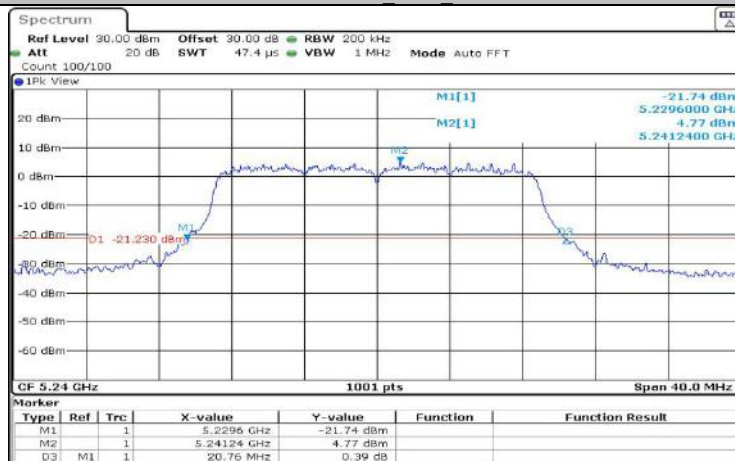
Date: 4.APR.2022 21:09:12

11N20MIMO Ant1 5200



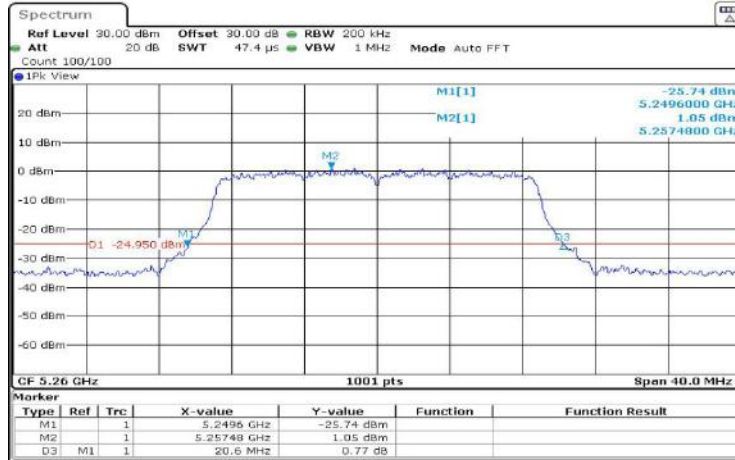
Date: 4.APR.2022 21:12:36

11N20MIMO Ant1 5240



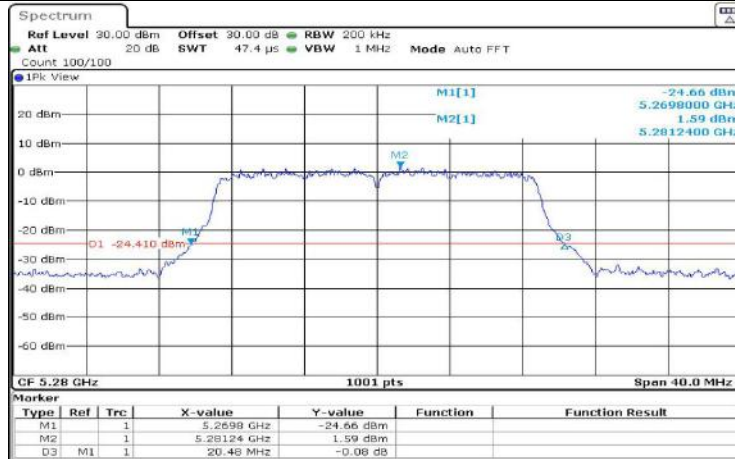
Date: 4.APR.2022 21:16:25

11N20MIMO Ant1 5260



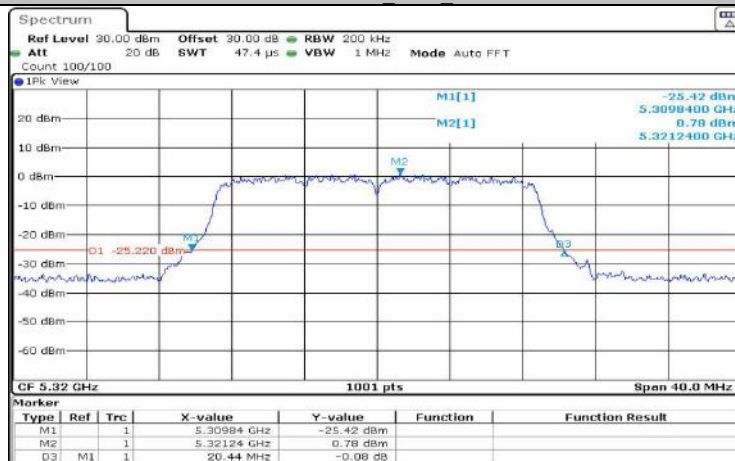
Date: 4.APR.2022 21:19:29

11N20MIMO Ant1 5280



Date: 4.APR.2022 21:23:29

11N20MIMO Ant1 5320



Date: 4.APR.2022 21:27:12

11N20MIMO Ant1 5500



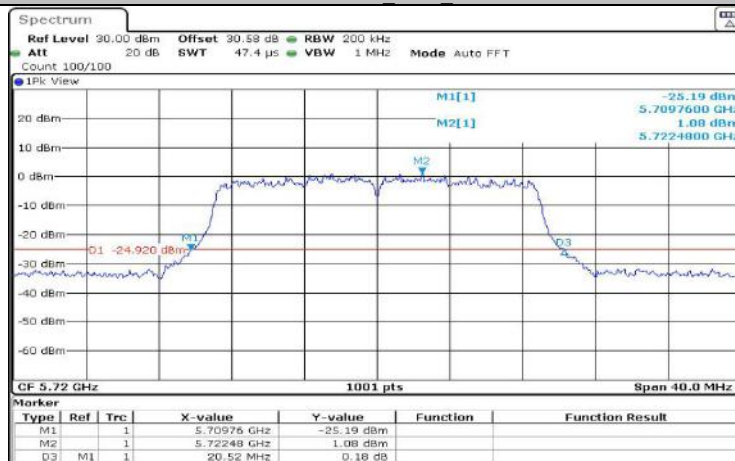
Date: 4.APR.2022 21:51:50

11N20MIMO Ant1 5580



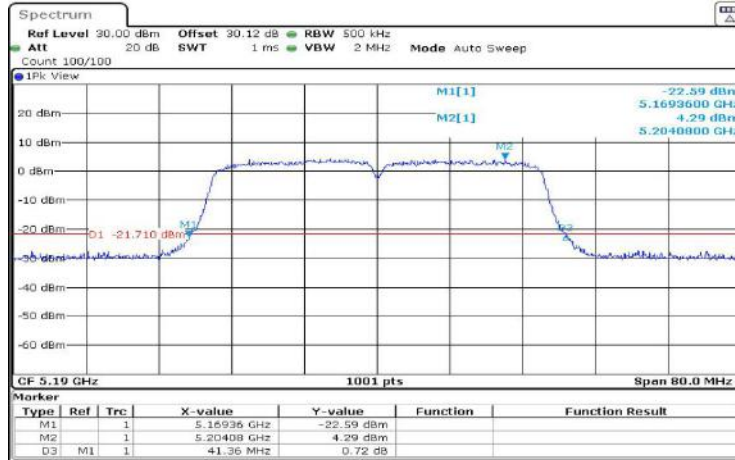
Date: 4.APR.2022 21:55:05

11N20MIMO Ant1 5720



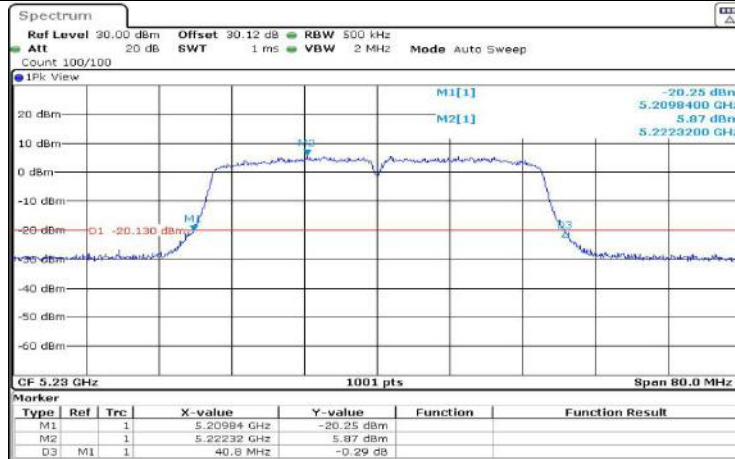
Date: 4.APR.2022 22:00:28

11N40MIMO Ant1 5190



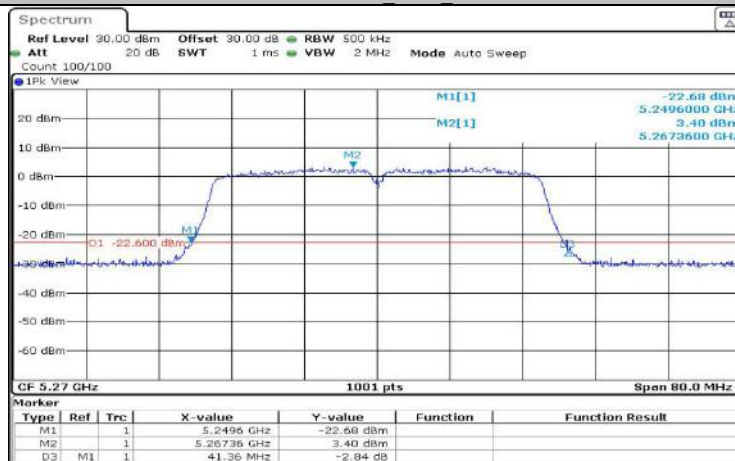
Date: 4.APR.2022 23:30:16

11N40MIMO Ant1 5230



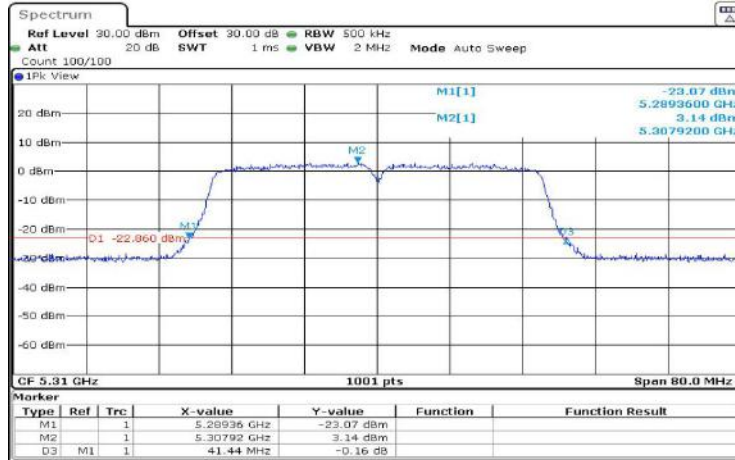
Date: 4.APR.2022 23:33:12

11N40MIMO Ant1 5270



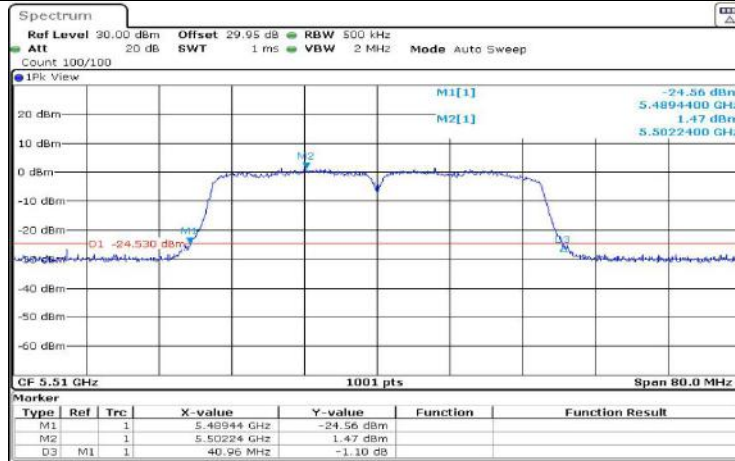
Date: 4.APR.2022 23:41:43

11N40MIMO Ant1 5310



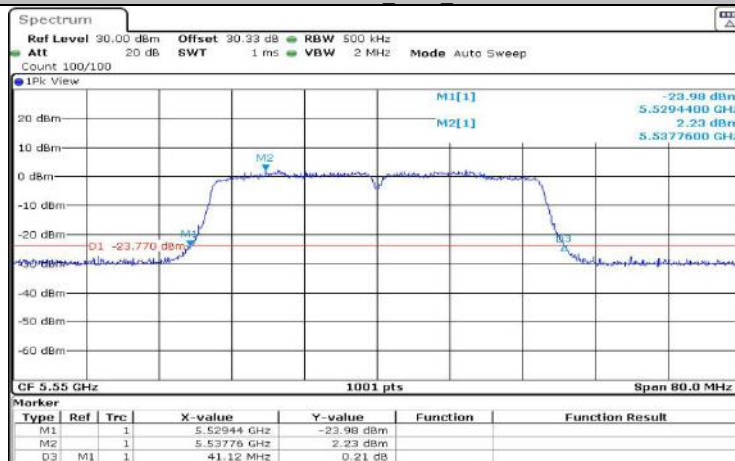
Date: 4.APR.2022 23:44:50

11N40MIMO Ant1 5510



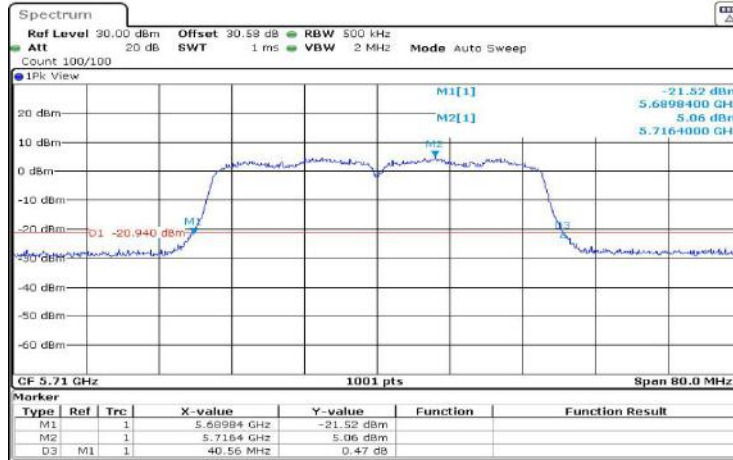
Date: 4.APR.2022 23:48:17

11N40MIMO Ant1 5550



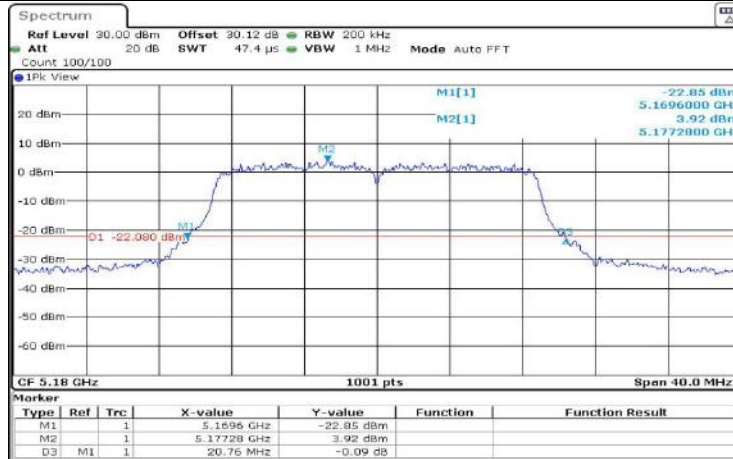
Date: 4.APR.2022 23:51:09

11N40MIMO Ant1 5710



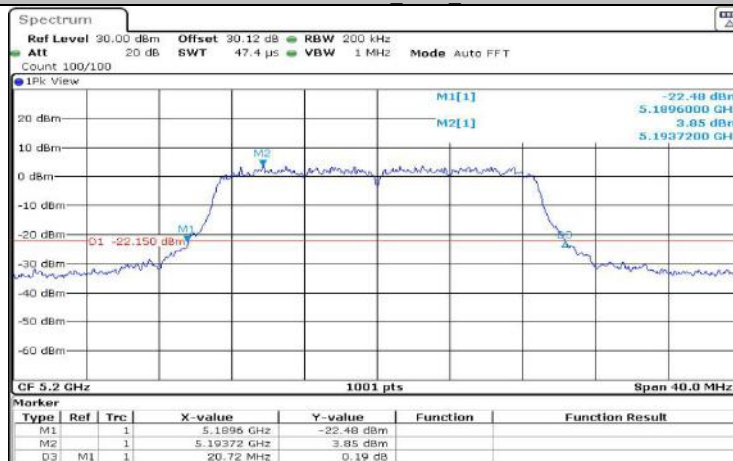
Date: 4.APR.2022 23:55:12

11AC20MIMO Ant1 5180



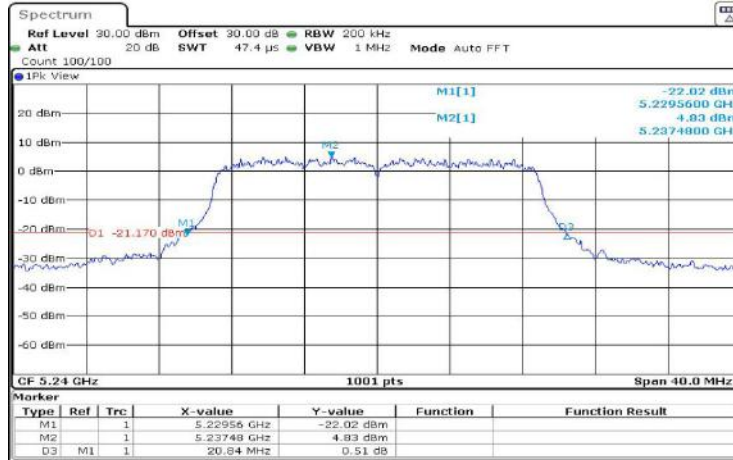
Date: 5.APR.2022 00:55:41

11AC20MIMO Ant1 5200



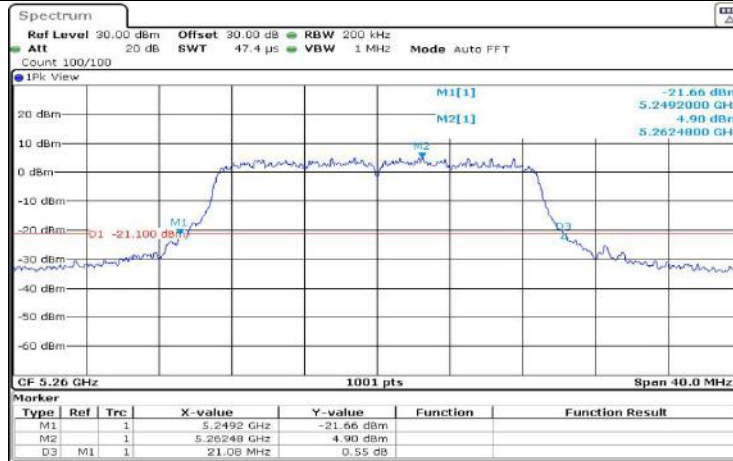
Date: 5.APR.2022 00:58:49

11AC20MIMO Ant1 5240



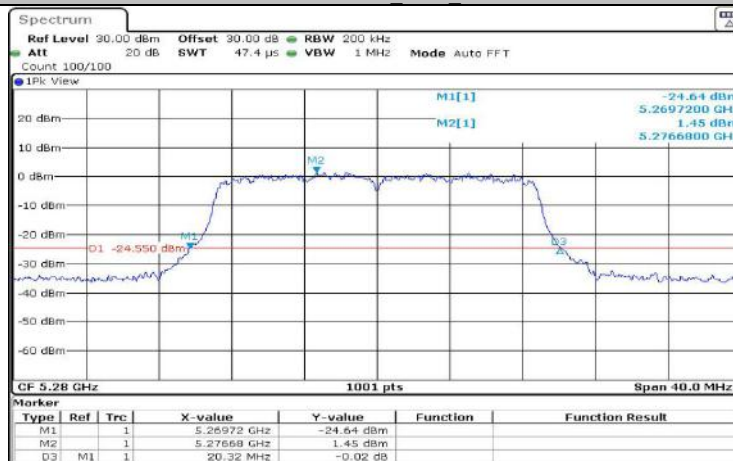
Date: 5.APR.2022 01:01:23

11AC20MIMO Ant1 5260



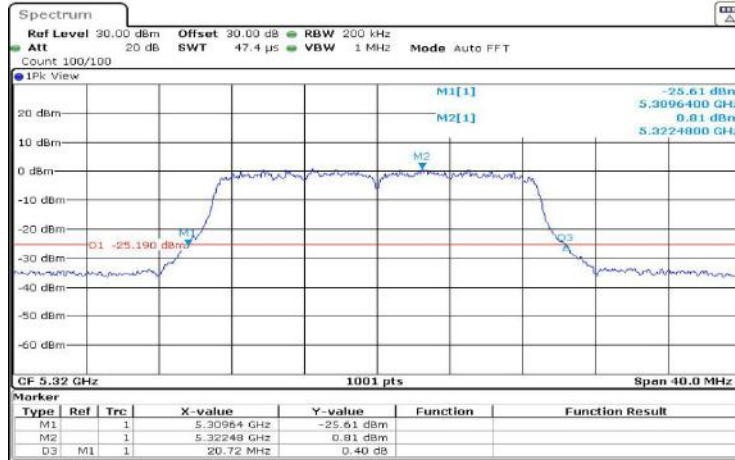
Date: 5.APR.2022 01:05:23

11AC20MIMO Ant1 5280



Date: 5.APR.2022 01:16:25

11AC20MIMO Ant1_5320



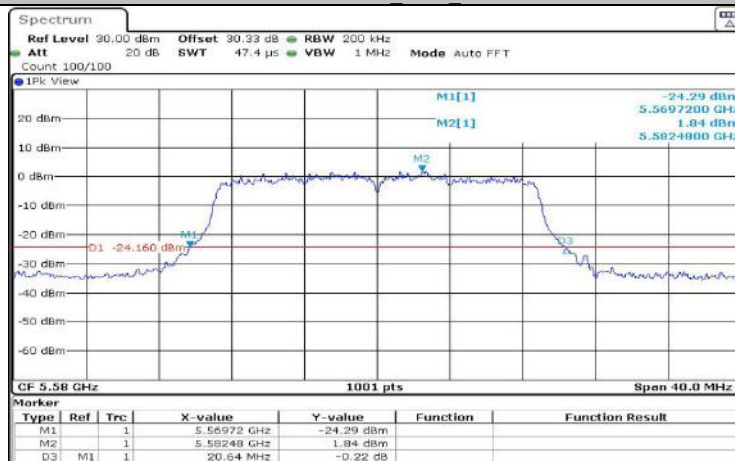
Date: 5.APR.2022 01:20:15

11AC20MIMO Ant1_5500



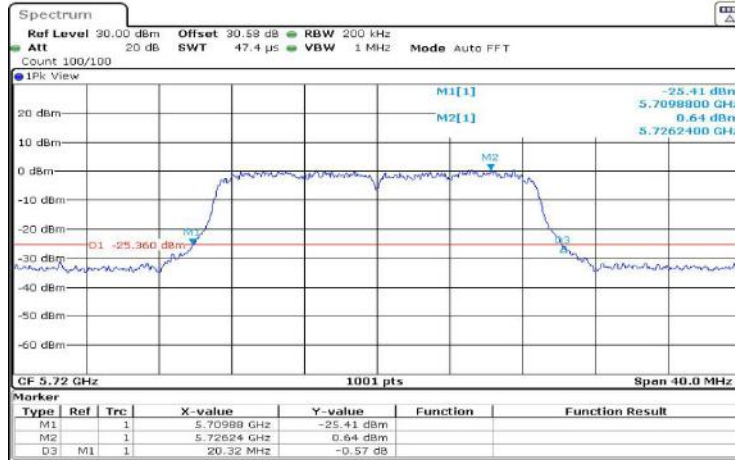
Date: 5.APR.2022 01:23:16

11AC20MIMO Ant1_5580



Date: 5.APR.2022 01:27:06

11AC20MIMO Ant1 5720



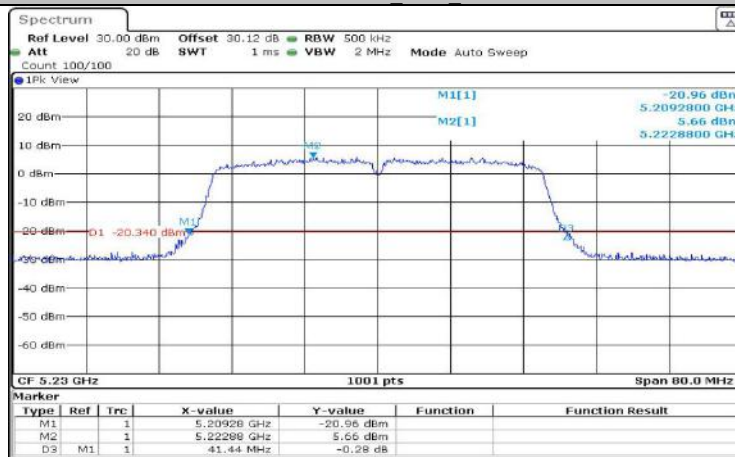
Date: 5.APR.2022 01:30:35

11AC40MIMO Ant1 5190



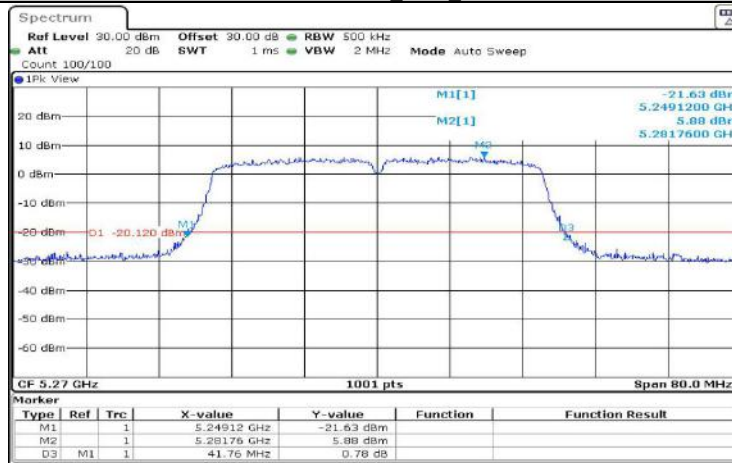
Date: 6.APR.2022 19:12:03

11AC40MIMO Ant1 5230



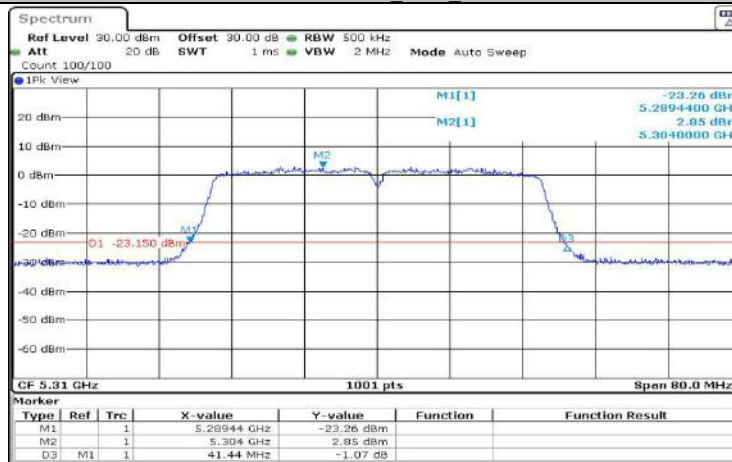
Date: 6.APR.2022 19:14:45

11AC40MIMO Ant1 5270



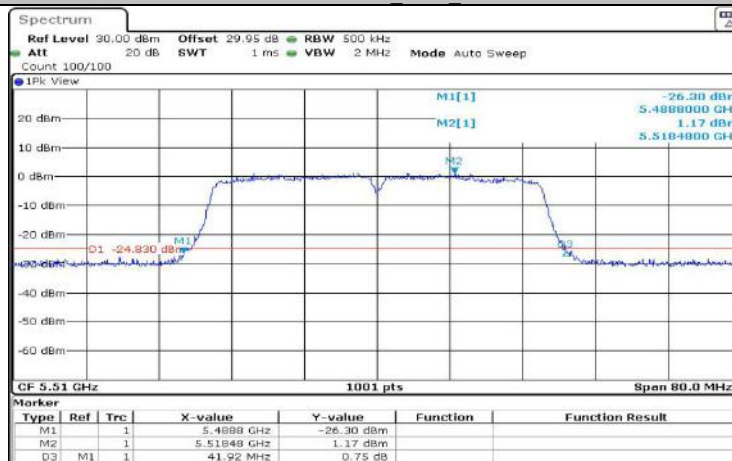
Date: 6.APR.2022 19:38:42

11AC40MIMO Ant1 5310



Date: 6.APR.2022 19:45:13

11AC40MIMO Ant1 5510



Date: 6.APR.2022 19:49:54

11AC40MIMO Ant1 5550



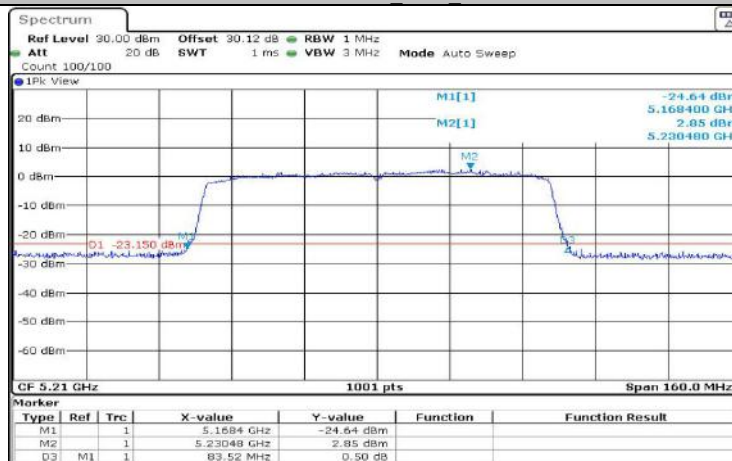
Date: 6.APR.2022 19:53:27

11AC40MIMO Ant1 5710



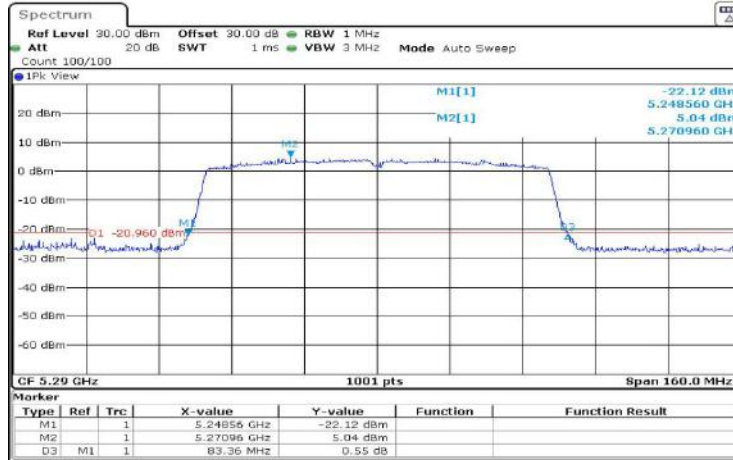
Date: 6.APR.2022 20:00:42

11AC80MIMO Ant1 5210



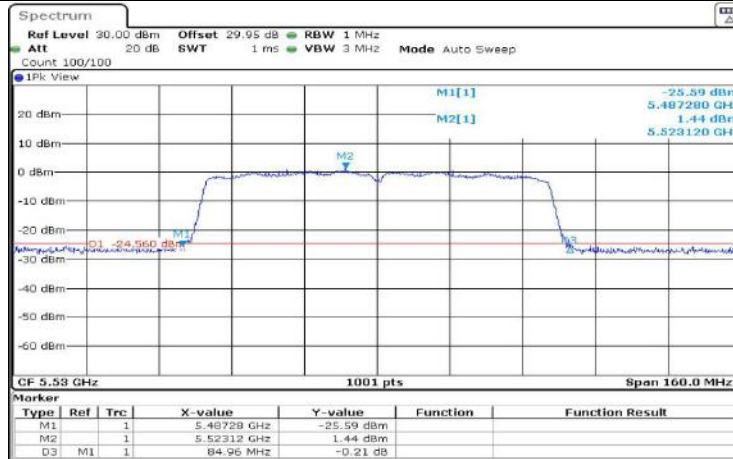
Date: 6.APR.2022 21:35:32

11AC80MIMO Ant1 5290



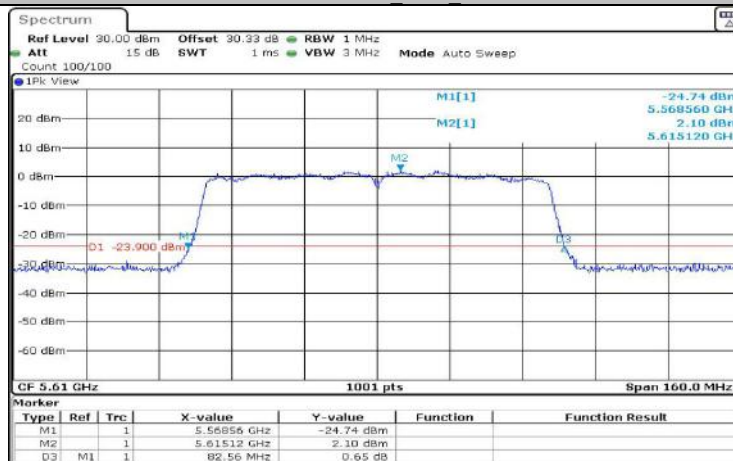
Date: 6.APR.2022 21:42:47

11AC80MIMO Ant1 5530

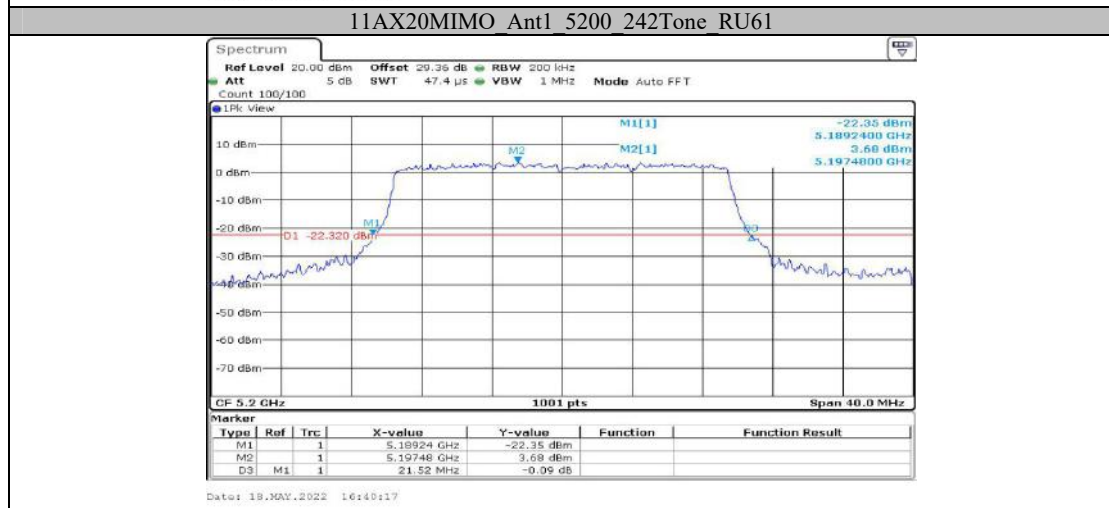
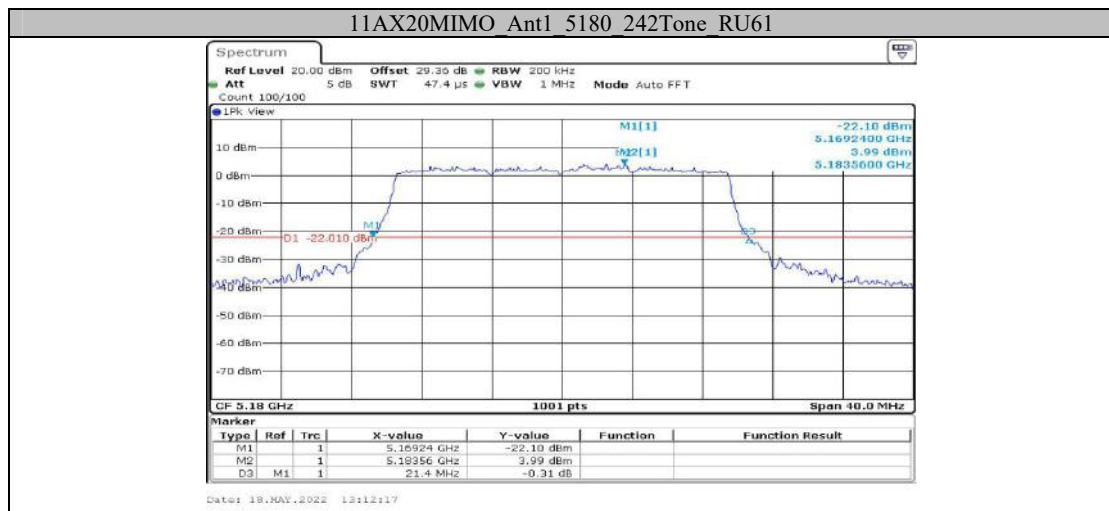
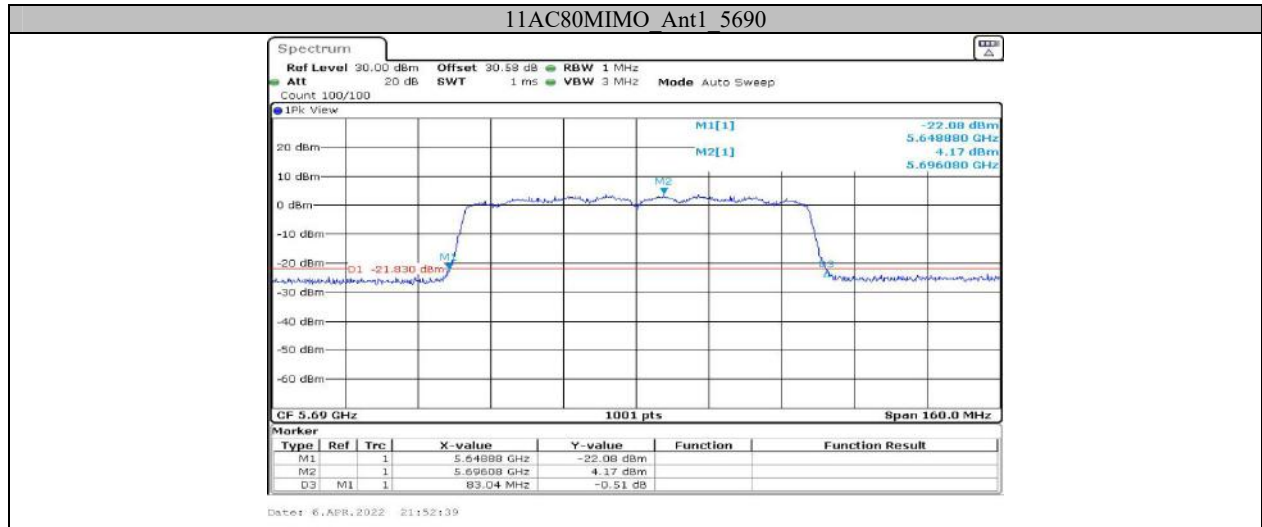


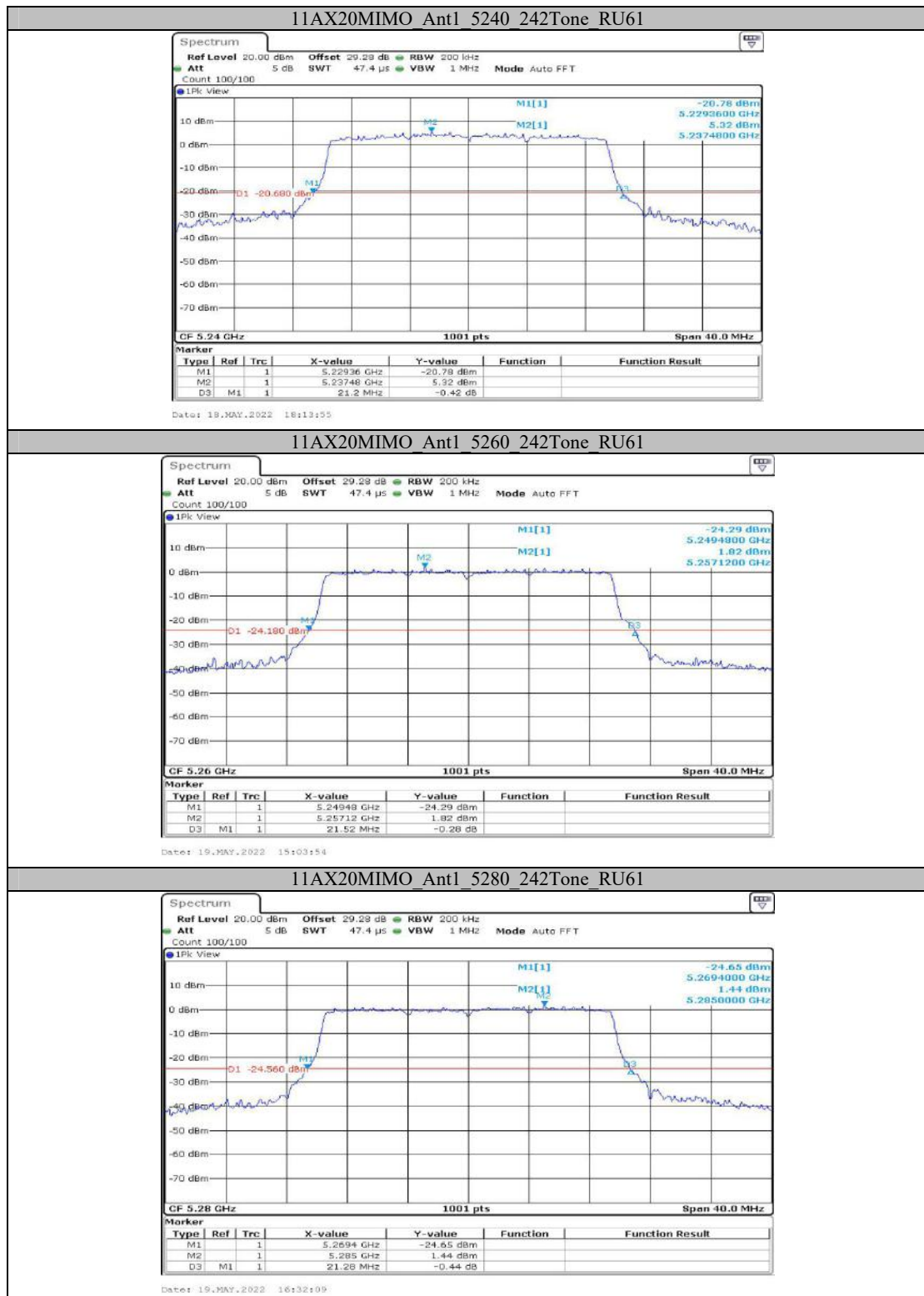
Date: 6.APR.2022 21:46:09

11AC80MIMO Ant1 5610

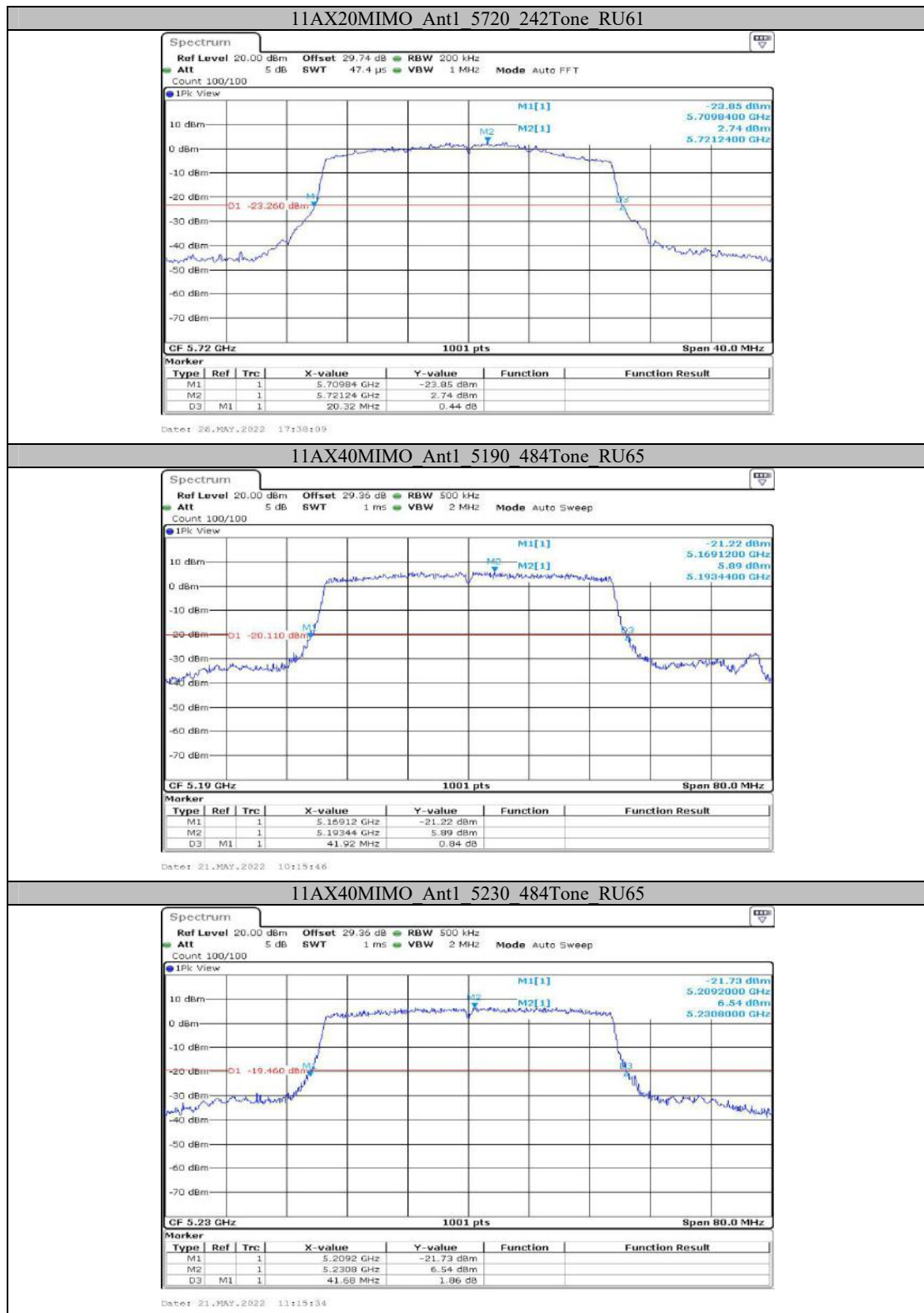


Date: 6.APR.2022 21:49:40

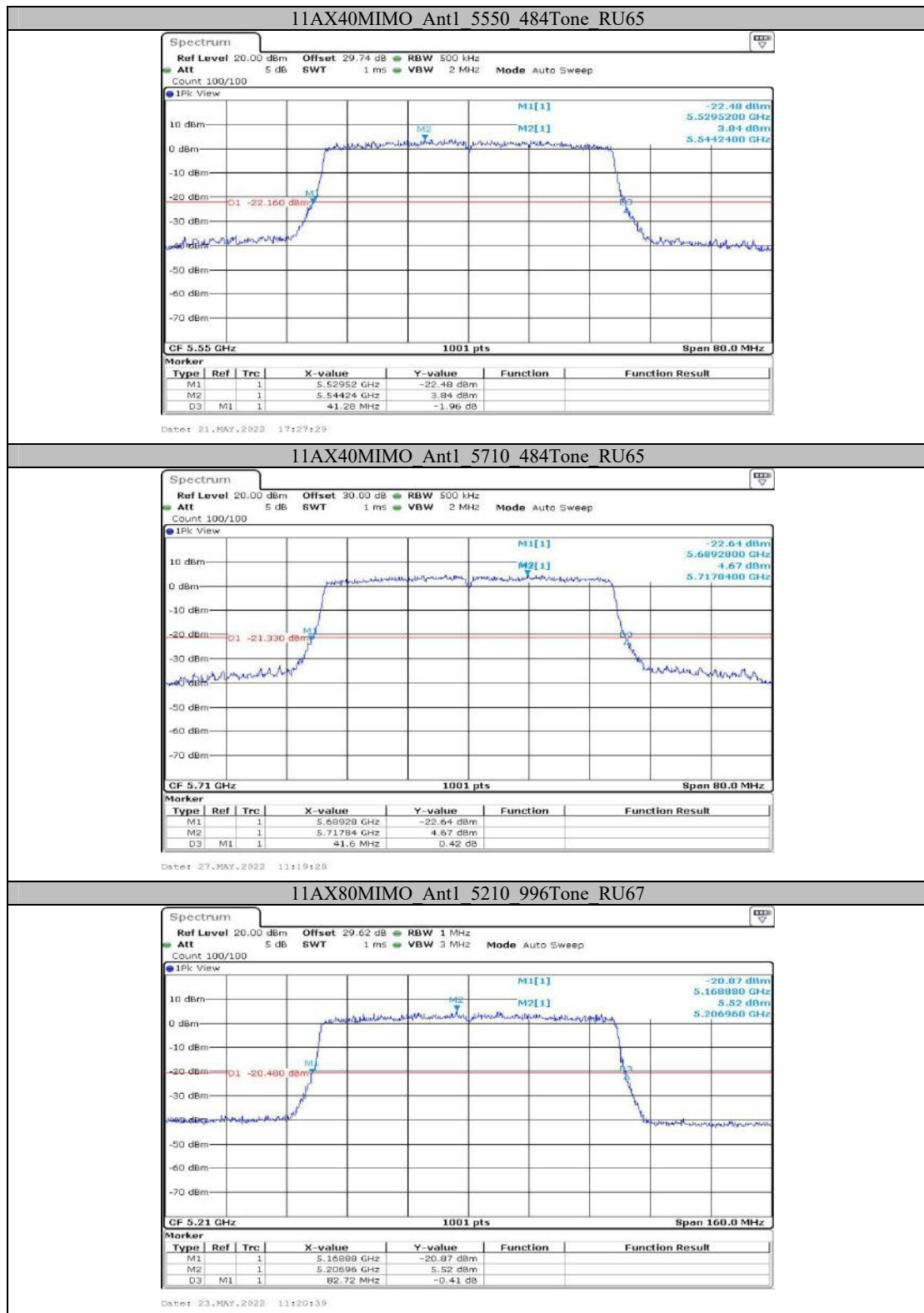


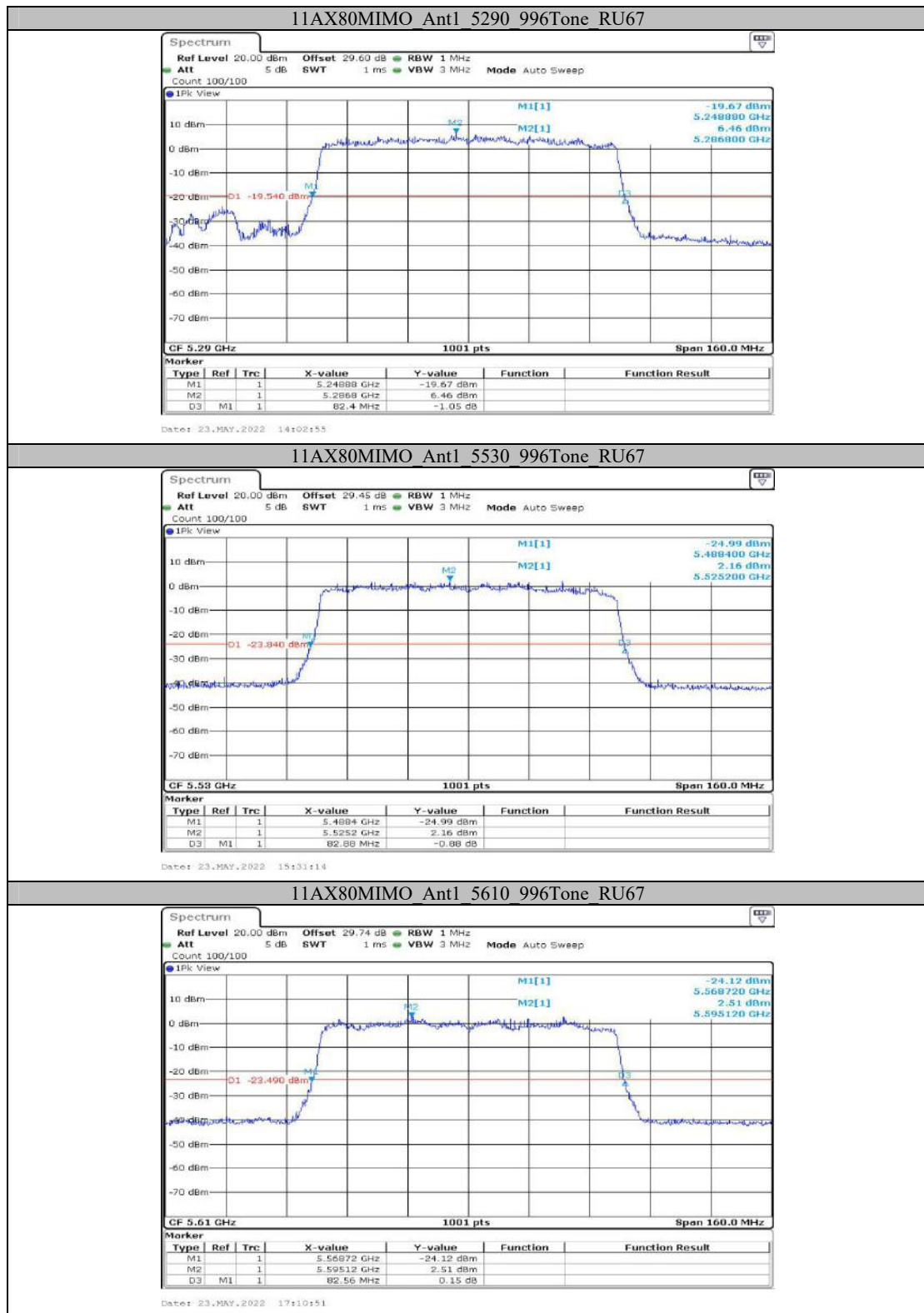


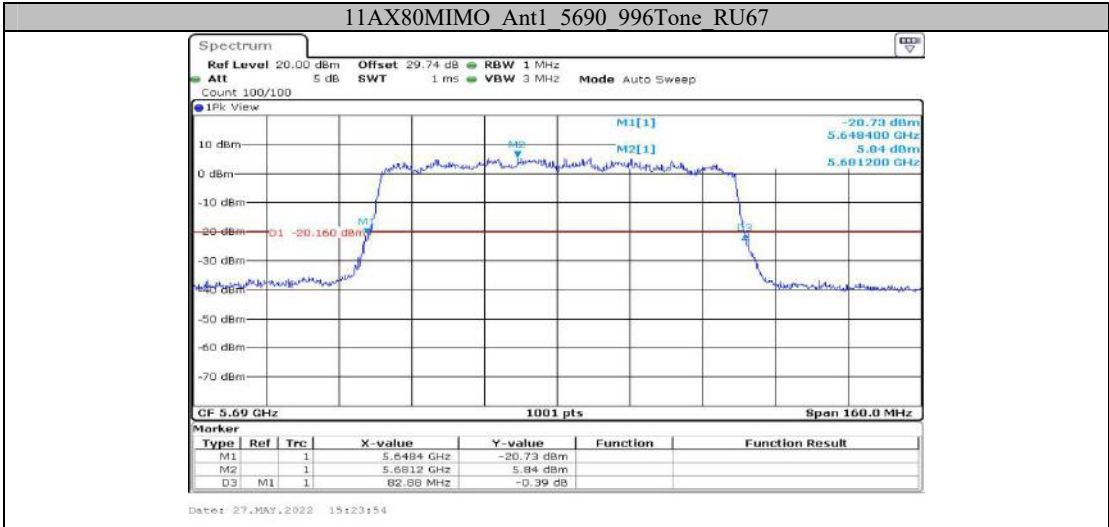












Appendix A2: Occupied channel bandwidth Test Result

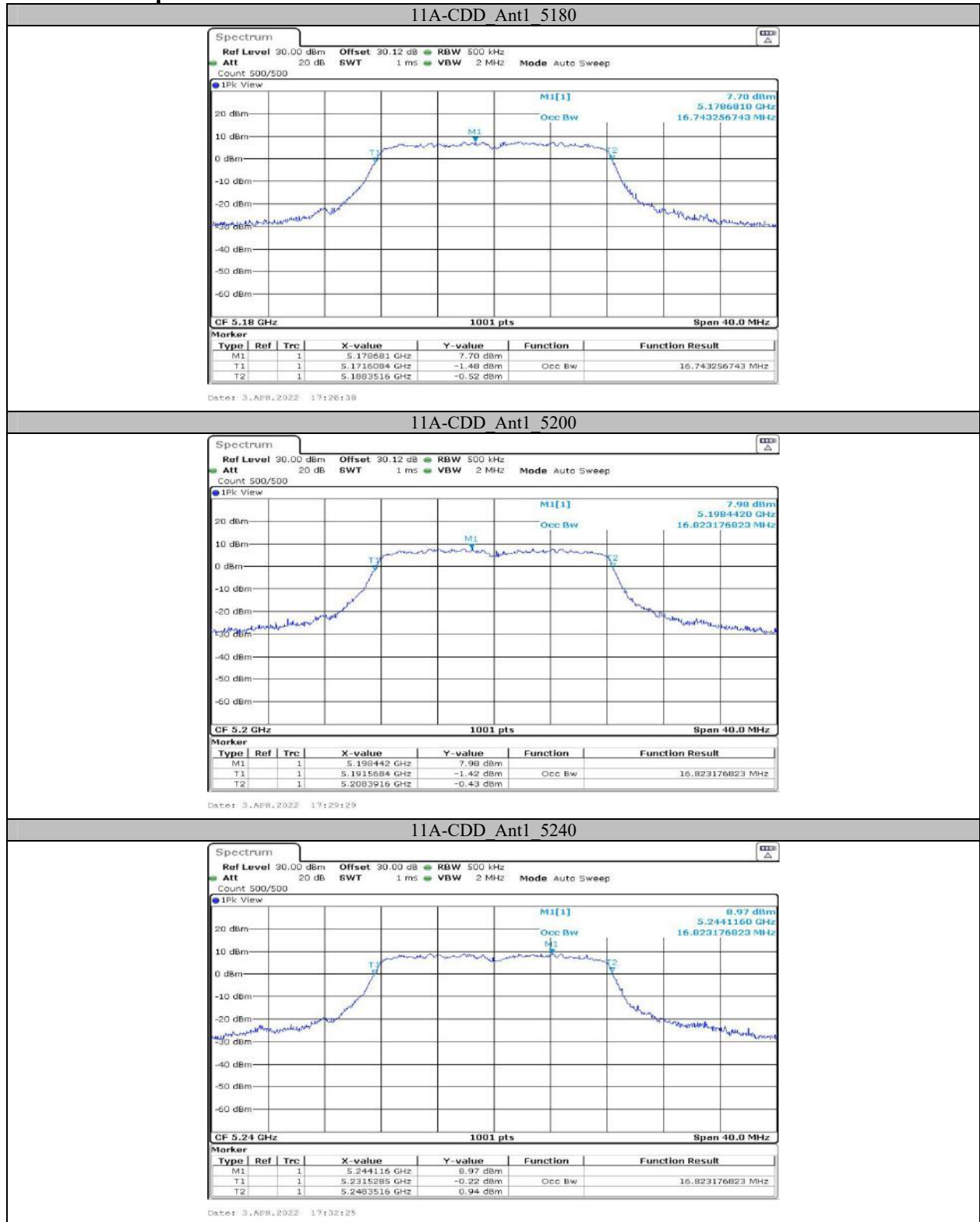
Test Mode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.743	---	PASS
	Ant1	5200	16.823	---	PASS
	Ant1	5240	16.823	---	PASS
	Ant1	5260	16.743	---	PASS
	Ant1	5280	16.743	---	PASS
	Ant1	5320	16.783	---	PASS
	Ant1	5500	16.863	---	PASS
	Ant1	5580	16.863	---	PASS
	Ant1	5720	16.663	---	PASS
	Ant1	5720 UNII-2C	13.352	---	PASS
	Ant1	5720 UNII-3	3.312	---	PASS
	Ant1	5745	17.343	---	PASS
	Ant1	5785	17.263	---	PASS
	Ant1	5825	17.023	---	PASS
11N20MIMO	Ant1	5180	17.942	---	PASS
	Ant1	5200	17.902	---	PASS
	Ant1	5240	17.862	---	PASS
	Ant1	5260	17.862	---	PASS
	Ant1	5280	17.862	---	PASS
	Ant1	5320	17.822	---	PASS
	Ant1	5500	17.822	---	PASS
	Ant1	5580	17.822	---	PASS
	Ant1	5720	17.942	---	PASS
	Ant1	5720 UNII-2C	13.951	---	PASS
	Ant1	5720 UNII-3	3.991	---	PASS
	Ant1	5745	18.262	---	PASS
	Ant1	5785	18.182	---	PASS
	Ant1	5825	18.222	---	PASS
11N40MIMO	Ant1	5190	36.364	---	PASS
	Ant1	5230	36.364	---	PASS
	Ant1	5270	36.444	---	PASS
	Ant1	5310	36.444	---	PASS
	Ant1	5510	36.364	---	PASS
	Ant1	5550	36.444	---	PASS
	Ant1	5710	36.284	---	PASS
	Ant1	5710 UNII-2C	33.062	---	PASS
	Ant1	5710 UNII-3	3.222	---	PASS
	Ant1	5755	36.843	---	PASS
11AC20MIMO	Ant1	5795	36.923	---	PASS
	Ant1	5180	17.902	---	PASS
	Ant1	5200	17.862	---	PASS
	Ant1	5240	17.902	---	PASS
	Ant1	5260	17.942	---	PASS
	Ant1	5280	17.862	---	PASS
	Ant1	5320	17.862	---	PASS
	Ant1	5500	17.862	---	PASS
	Ant1	5580	17.982	---	PASS
	Ant1	5720	17.782	---	PASS
	Ant1	5720 UNII-2C	13.871	---	PASS
	Ant1	5720 UNII-3	3.911	---	PASS
	Ant1	5745	18.142	---	PASS
	Ant1	5785	18.222	---	PASS
	Ant1	5825	18.422	---	PASS
11AC40MIMO	Ant1	5190	36.444	---	PASS
	Ant1	5230	36.444	---	PASS
	Ant1	5270	36.444	---	PASS

	Ant1	5310	36.444	---	PASS
	Ant1	5510	36.523	---	PASS
	Ant1	5550	36.444	---	PASS
	Ant1	5710	36.284	---	PASS
	Ant1	5710 UNII-2C	33.062	---	PASS
	Ant1	5710 UNII-3	3.222	---	PASS
	Ant1	5755	37.003	---	PASS
11AC80MIMO	Ant1	5795	37.003	---	PASS
	Ant1	5210	75.604	---	PASS
	Ant1	5290	75.604	---	PASS
	Ant1	5530	75.764	---	PASS
	Ant1	5610	75.764	---	PASS
	Ant1	5690	75.445	---	PASS
	Ant1	5690 UNII-2C	72.562	---	PASS
	Ant1	5690 UNII-3	2.882	---	PASS
	Ant1	5775	75.924	---	PASS

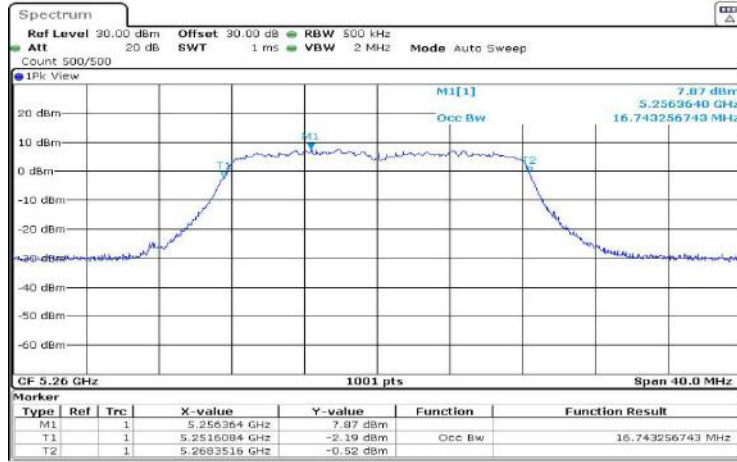
For 802.11 ax mode, worst case as below:

TestMode	Antenna	Freq[MHz]	RuSize	RuIndex	OCB[MHz]	Limit[MHz]	Verdict
11AX20MI MO	Ant1	5180	242Tone	RU61	19.021	---	---
	Ant1	5200	242Tone	RU61	19.061	---	---
	Ant1	5240	242Tone	RU61	19.021	---	---
	Ant1	5260	242Tone	RU61	19.021	---	---
	Ant1	5280	242Tone	RU61	19.021	---	---
	Ant1	5320	242Tone	RU61	19.021	---	---
	Ant1	5500	242Tone	RU61	19.021	---	---
	Ant1	5580	242Tone	RU61	19.021	---	---
	Ant1	5720	242Tone	RU61	19.101	---	---
	Ant1	5720 UNII-2C	242Tone	RU61	14.511	---	---
	Ant1	5720 UNII-3	242Tone	RU61	4.59	---	---
	Ant1	5745	242Tone	RU61	20.020	---	---
11AX40MI MO	Ant1	5785	242Tone	RU61	19.940	---	---
	Ant1	5825	242Tone	RU61	19.980	---	---
	Ant1	5190	484Tone	RU65	37.962	---	---
	Ant1	5230	484Tone	RU65	37.962	---	---
	Ant1	5270	484Tone	RU65	37.882	---	---
	Ant1	5310	484Tone	RU65	37.882	---	---
	Ant1	5510	484Tone	RU65	37.882	---	---
	Ant1	5550	484Tone	RU65	37.882	---	---
	Ant1	5710	484Tone	RU65	37.882	---	---
	Ant1	5710 UNII-2C	484Tone	RU65	33.941	---	---
11AX80MI MO	Ant1	5710 UNII-3	484Tone	RU65	3.941	---	---
	Ant1	5755	484Tone	RU65	38.202	---	---
	Ant1	5795	484Tone	RU65	38.521	---	---
	Ant1	5210	996Tone	RU67	77.522	---	---
	Ant1	5290	996Tone	RU67	77.522	---	---
	Ant1	5530	996Tone	RU67	77.522	---	---
	Ant1	5610	996Tone	RU67	77.522	---	---
	Ant1	5690	996Tone	RU67	77.522	---	---
	Ant1	5690 UNII-2C	996Tone	RU67	73.521	---	---
	Ant1	5690 UNII-3	996Tone	RU67	4.001	---	---
	Ant1	5775	996Tone	RU67	77.682	---	---

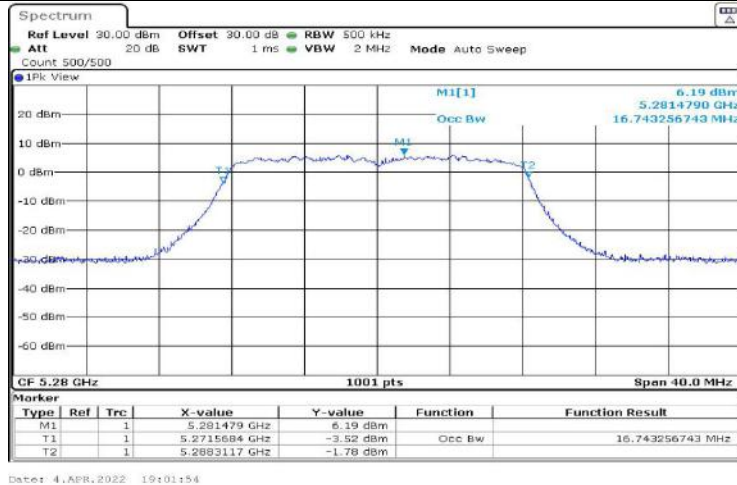
Test Graphs



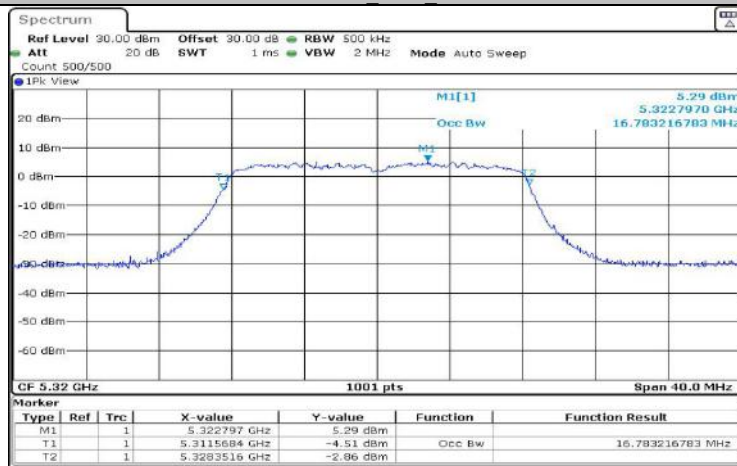
11A-CDD Ant1 5260



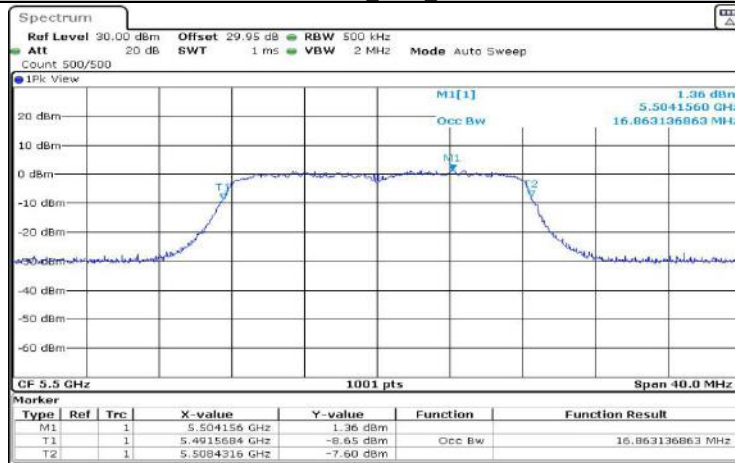
11A-CDD Ant1 5280



11A-CDD Ant1 5320

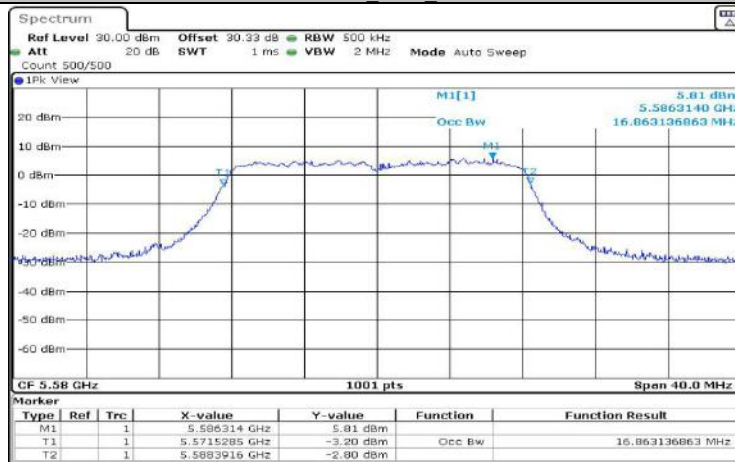


11A-CDD Ant1 5500



Date: 4.APR.2022 19:11:33

11A-CDD Ant1 5580



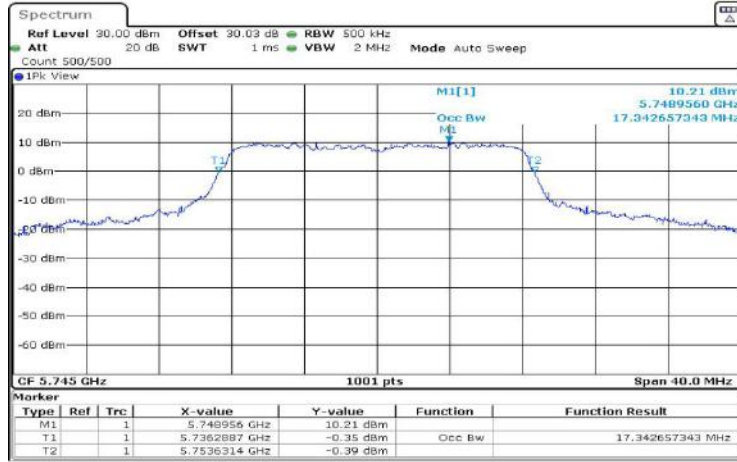
Date: 4.APR.2022 19:16:30

11A-CDD Ant1 5720



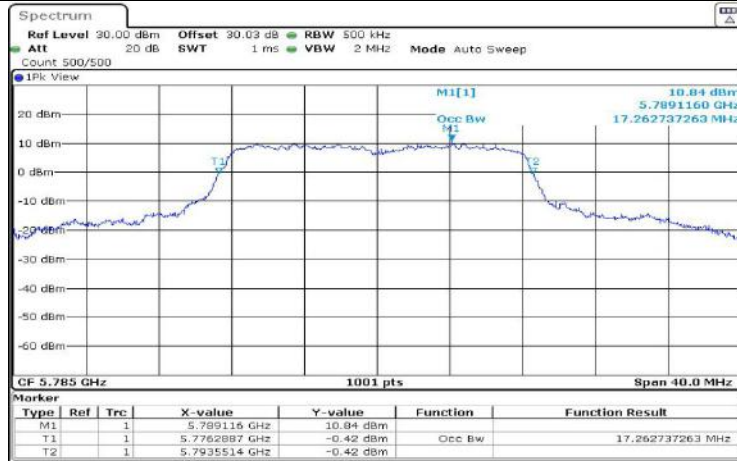
Date: 4.APR.2022 19:38:40

11A-CDD Ant1 5745



Date: 4.APR.2022 19:47:07

11A-CDD Ant1 5785



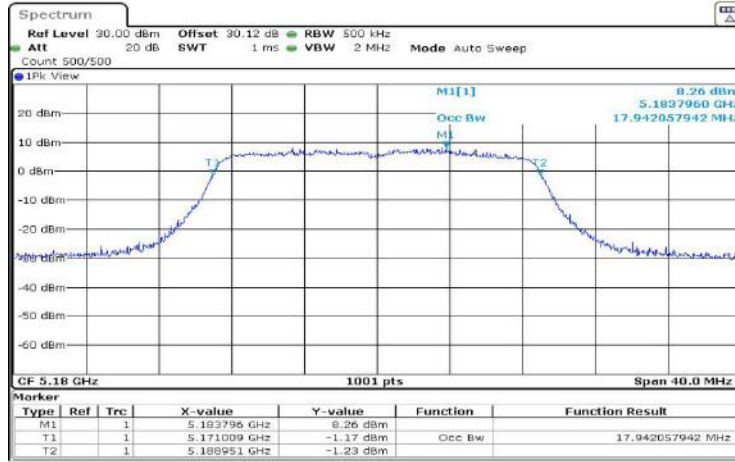
Date: 4.APR.2022 19:53:50

11A-CDD Ant1 5825



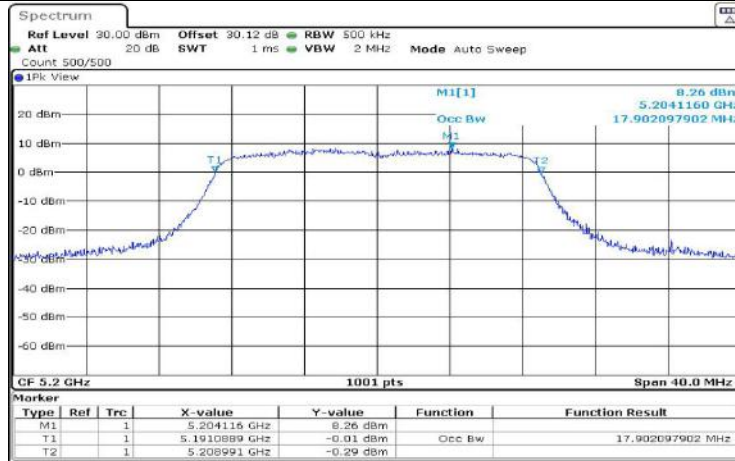
Date: 4.APR.2022 19:58:40

11N20MIMO Ant1 5180



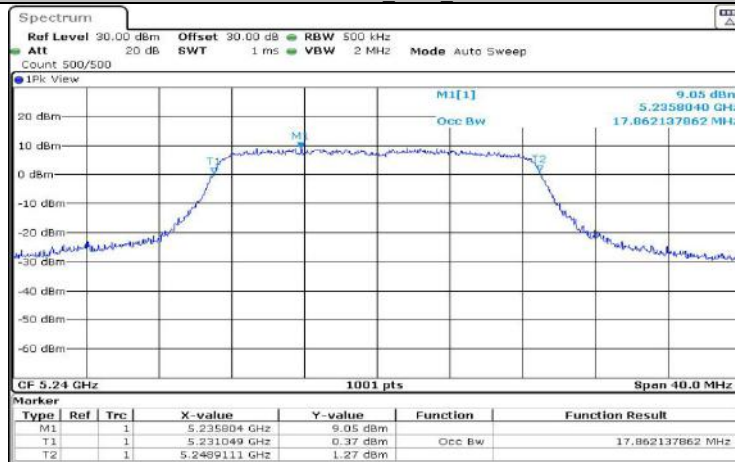
Date: 4.APR.2022 21:09:23

11N20MIMO Ant1 5200



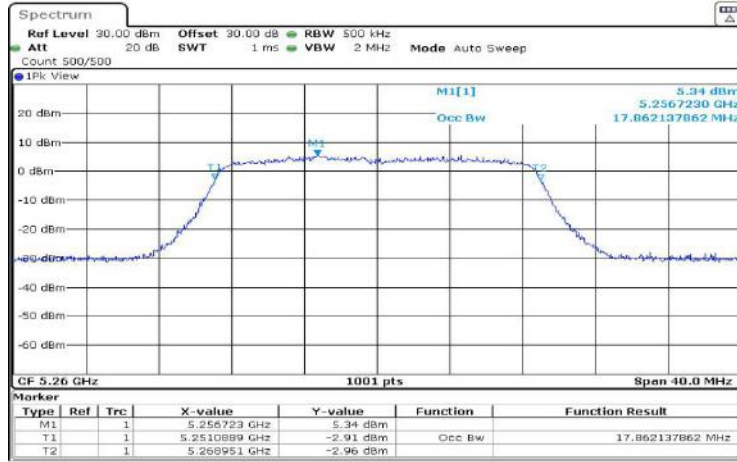
Date: 4.APR.2022 21:12:18

11N20MIMO Ant1 5240



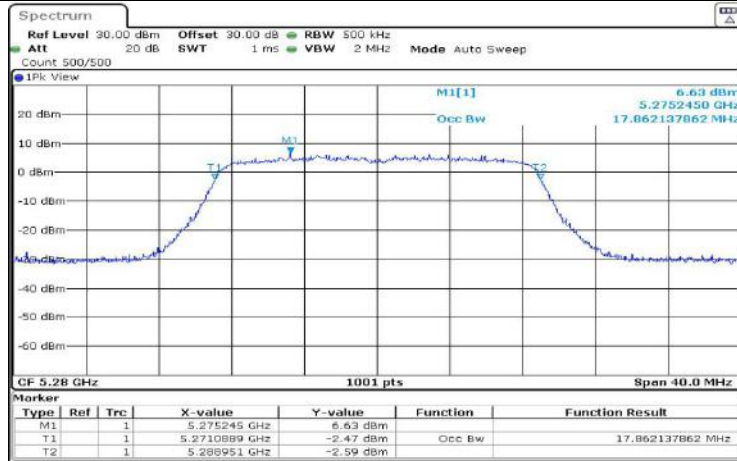
Date: 4.APR.2022 21:16:36

11N20MIMO Ant1 5260



Date: 4, APR, 2022 21:19:40

11N20MIMO Ant1 5280



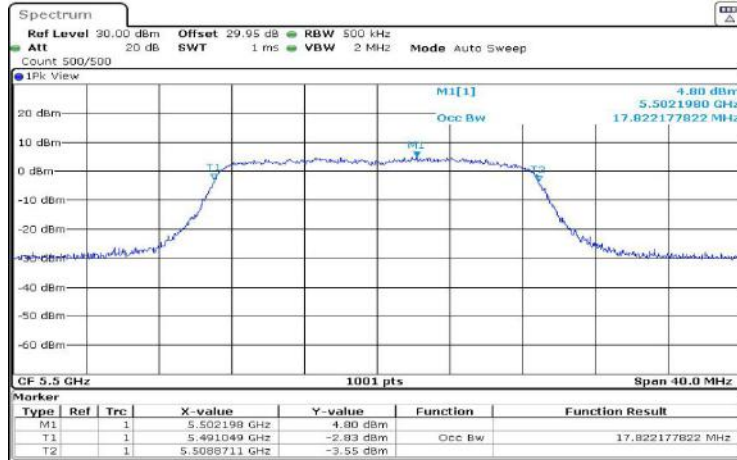
Date: 4, APR, 2022 21:23:40

11N20MIMO Ant1 5320



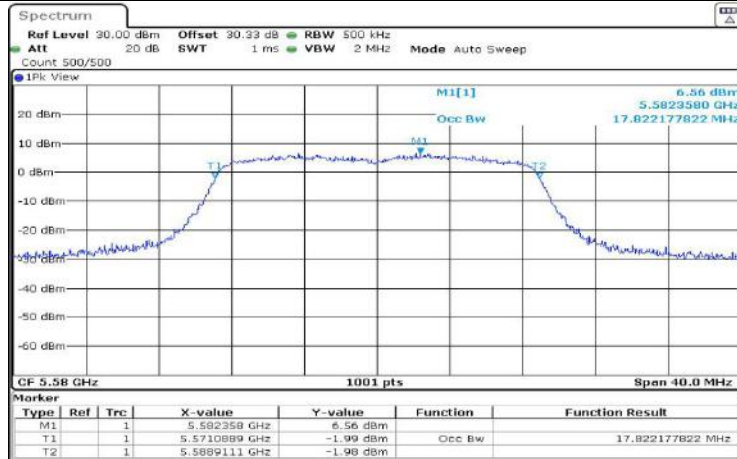
Date: 4, APR, 2022 21:27:23

11N20MIMO Ant1 5500



Date: 4.APR.2022 21:52:02

11N20MIMO Ant1 5580



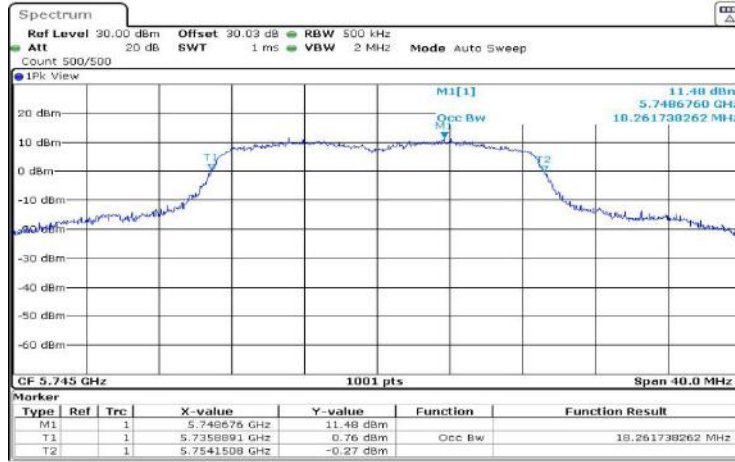
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11N20MIMO Ant1 5720



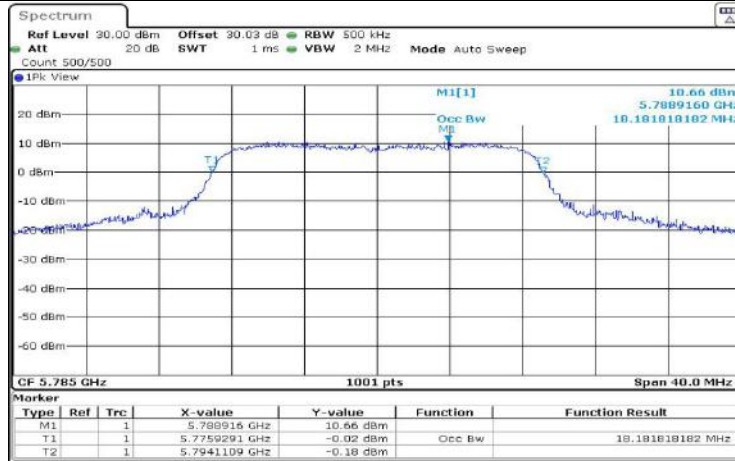
Date: 4.APR.2022 22:00:41

11N20MIMO Ant1 5745



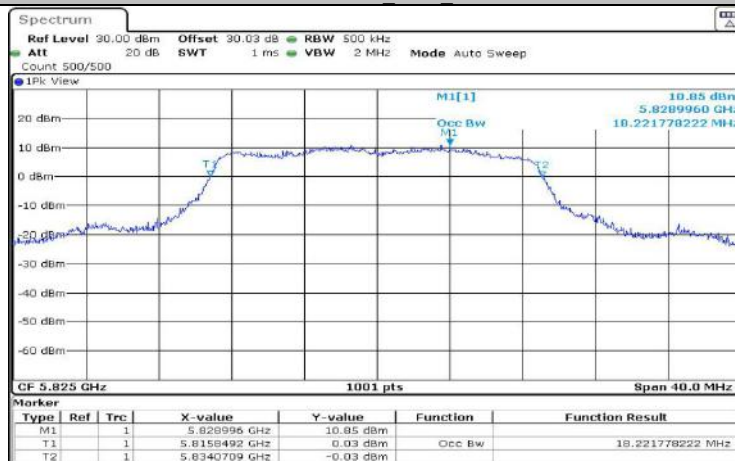
Date: 4.APR.2022 22:05:48

11N20MIMO Ant1 5785



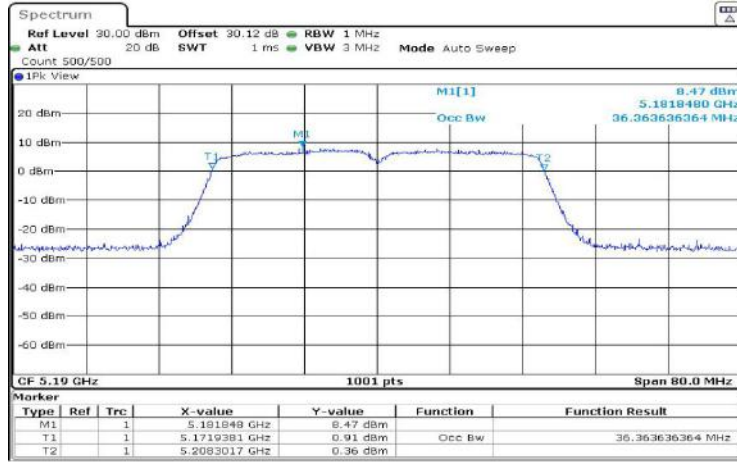
Date: 4.APR.2022 22:11:04

11N20MIMO Ant1 5825



Date: 4.APR.2022 22:17:18

11N40MIMO Ant1 5190



Date: 4, APR, 2022 23:30:27

11N40MIMO Ant1 5230



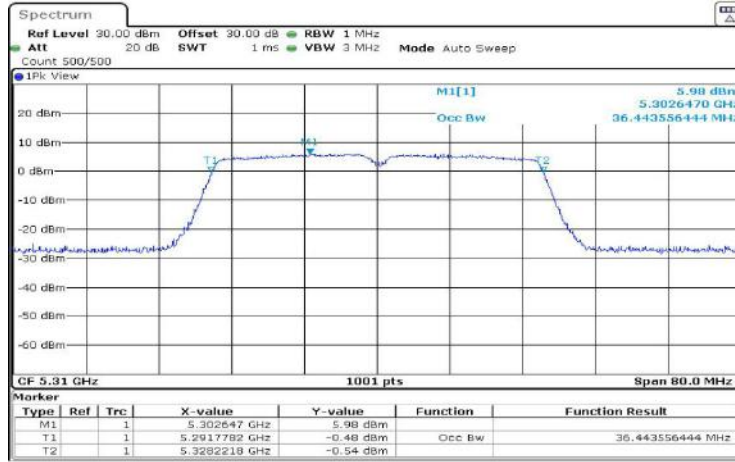
Date: 4, APR, 2022 23:33:23

11N40MIMO Ant1 5270



Date: 4, APR, 2022 23:41:55

11N40MIMO Ant1 5310



Date: 4, APR, 2022 23:45:02

11N40MIMO Ant1 5510



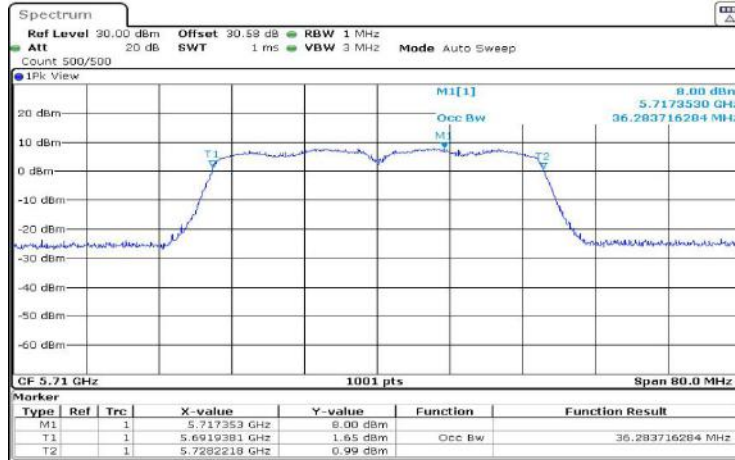
Date: 4, APR, 2022 23:48:28

11N40MIMO Ant1 5550



Date: 4, APR, 2022 23:51:20

11N40MIMO Ant1 5710



Date: 4, APR, 2022 23:55:25

11N40MIMO Ant1 5755



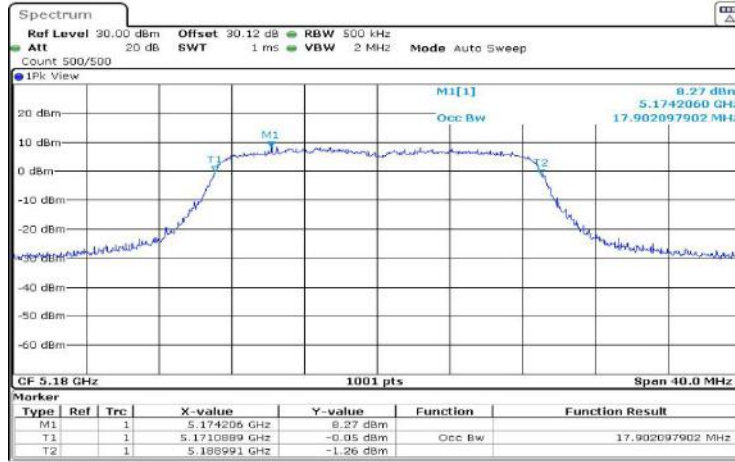
Date: 4, APR, 2022 23:59:45

11N40MIMO Ant1 5795



Date: 5, APR, 2022 00:04:46

11AC20MIMO Ant1 5180



Date: 5.APR.2022 00:55:53

11AC20MIMO Ant1 5200



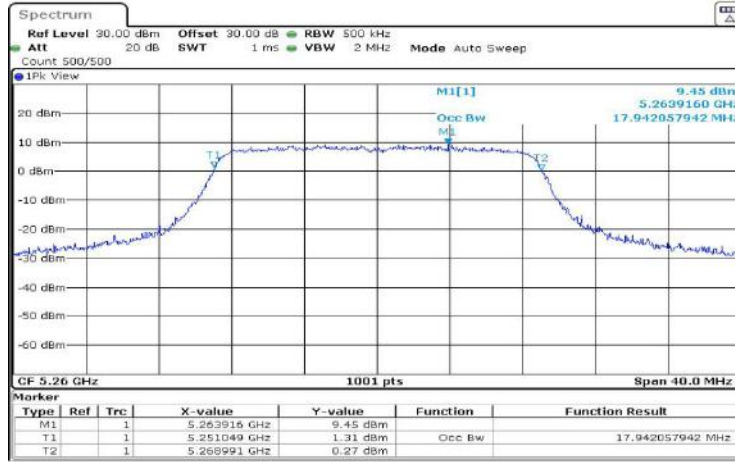
Date: 5.APR.2022 00:59:01

11AC20MIMO Ant1 5240



Date: 5.APR.2022 01:01:34

11AC20MIMO Ant1 5260



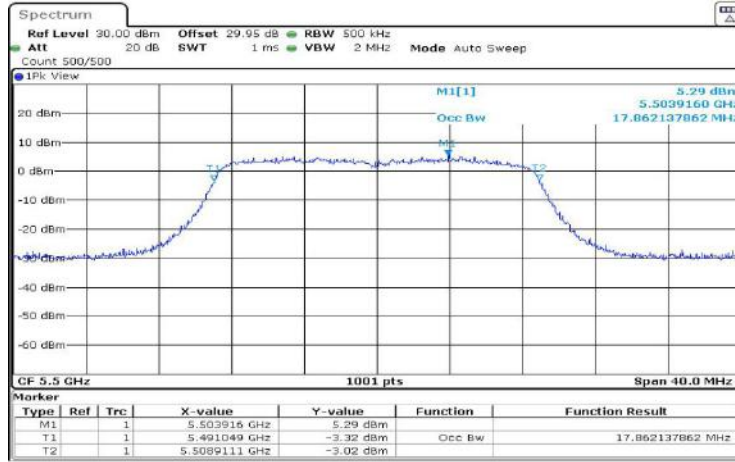
11AC20MIMO Ant1 5280



11AC20MIMO Ant1 5320



11AC20MIMO Ant1 5500



Date: 5.APR.2022 01:23:58

11AC20MIMO Ant1 5580



Date: 5.APR.2022 01:27:18

11AC20MIMO Ant1 5720



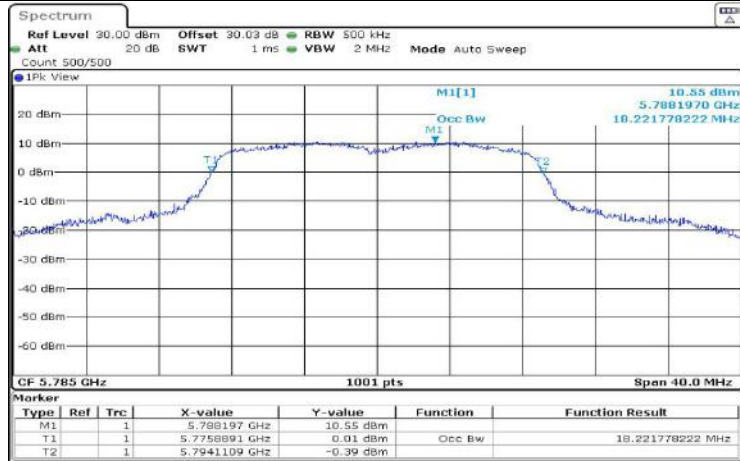
Date: 5.APR.2022 01:30:47

11AC20MIMO Ant1 5745



Date: 5.APR.2022 01:34:48

11AC20MIMO Ant1 5785



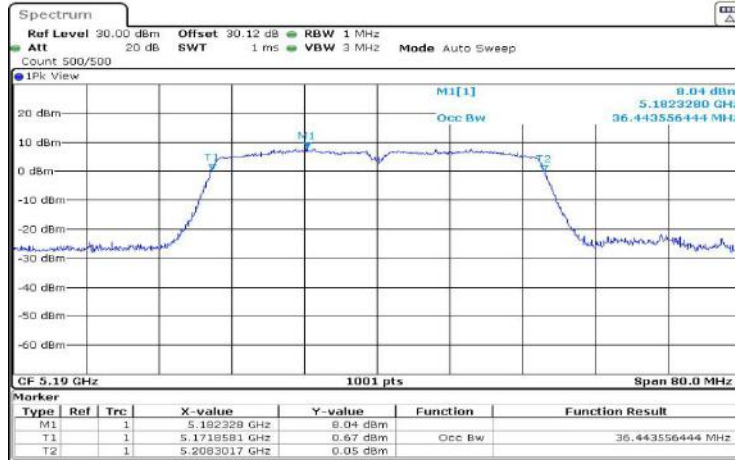
Date: 5.APR.2022 01:38:36

11AC20MIMO Ant1 5825



Date: 5.APR.2022 01:42:34

11AC40MIMO Ant1_5190



Date: 6.APR.2022 19:12:16

11AC40MIMO Ant1_5230



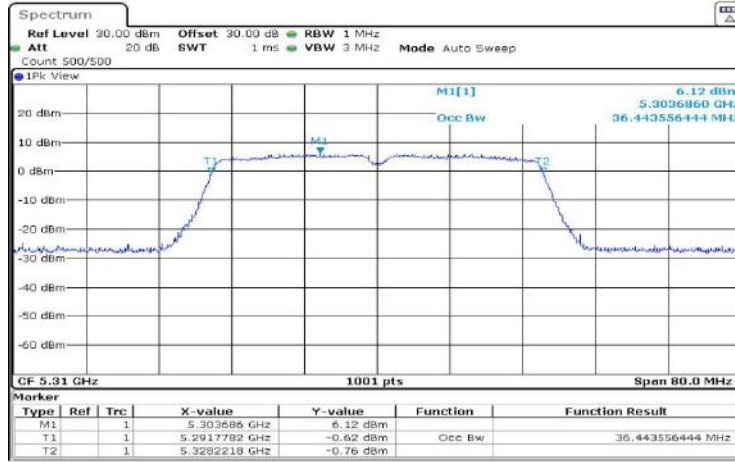
Date: 6.APR.2022 19:14:57

11AC40MIMO Ant1_5270



Date: 6.APR.2022 19:18:54

11AC40MIMO Ant1_5310



Date: 6.APR.2022 19:45:25

11AC40MIMO Ant1_5510



Date: 6.APR.2022 19:50:06

11AC40MIMO Ant1_5550



Date: 6.APR.2022 19:53:39

11AC40MIMO Ant1 5710



Date: 6.APR.2022 20:00:55

11AC40MIMO Ant1 5755



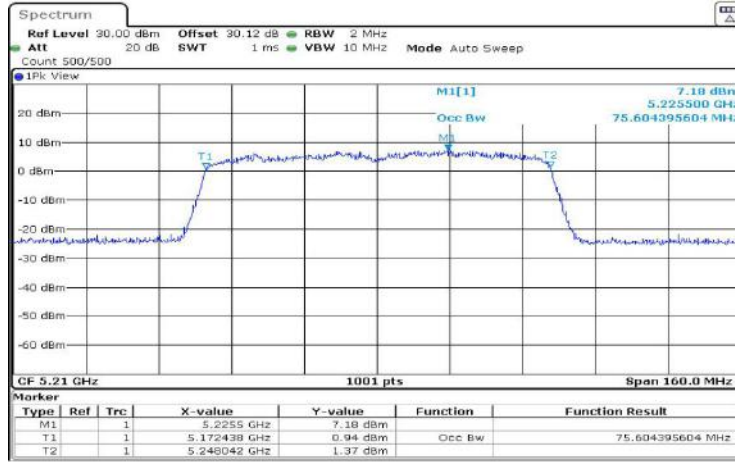
Date: 6.APR.2022 20:05:03

11AC40MIMO Ant1 5795



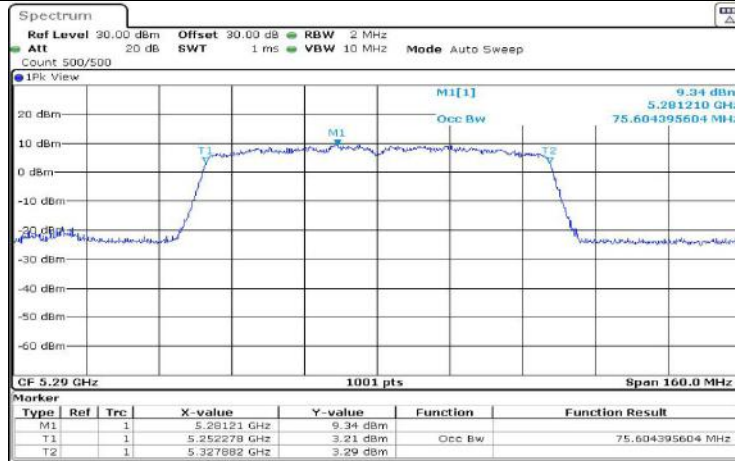
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11AC80MIMO Ant1 5210



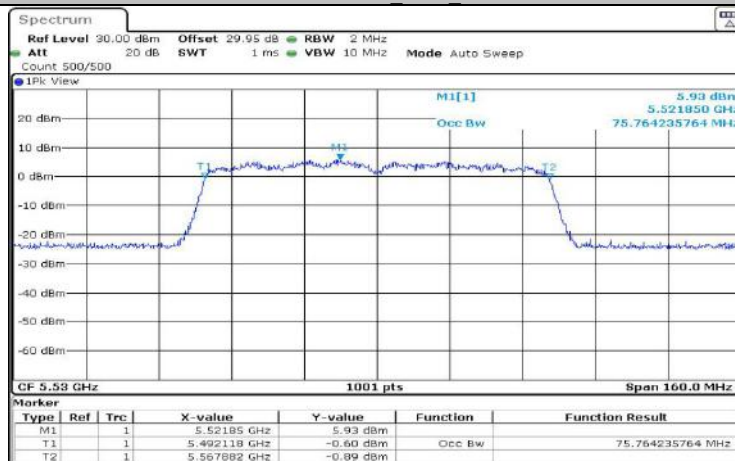
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11AC80MIMO Ant1 5290



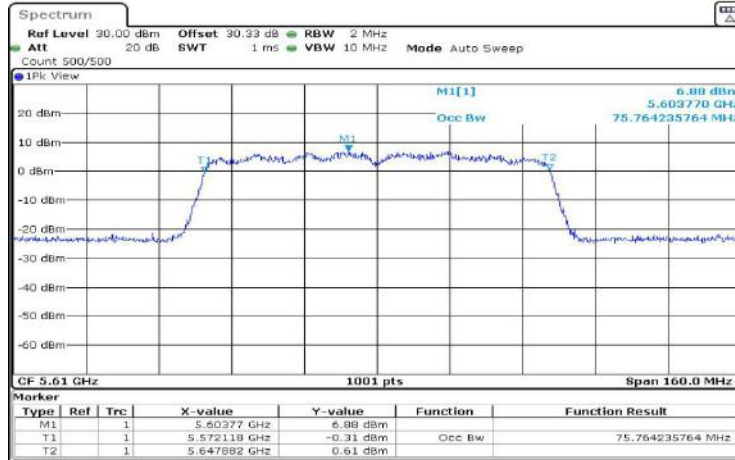
Date: 6.APR.2022 21:42:59

11AC80MIMO Ant1 5530



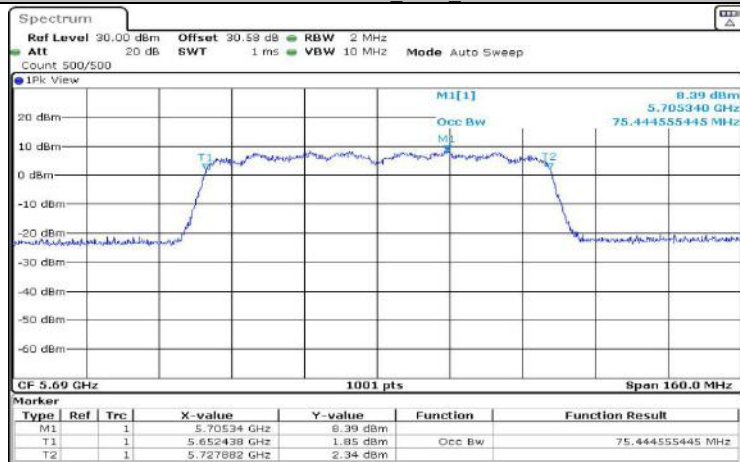
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11AC80MIMO Ant1 5610



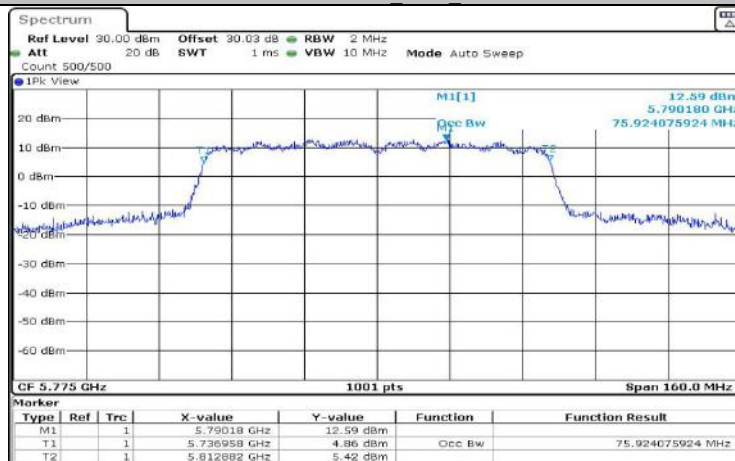
Date: 6.APR.2022 21:49:52

11AC80MIMO Ant1 5690

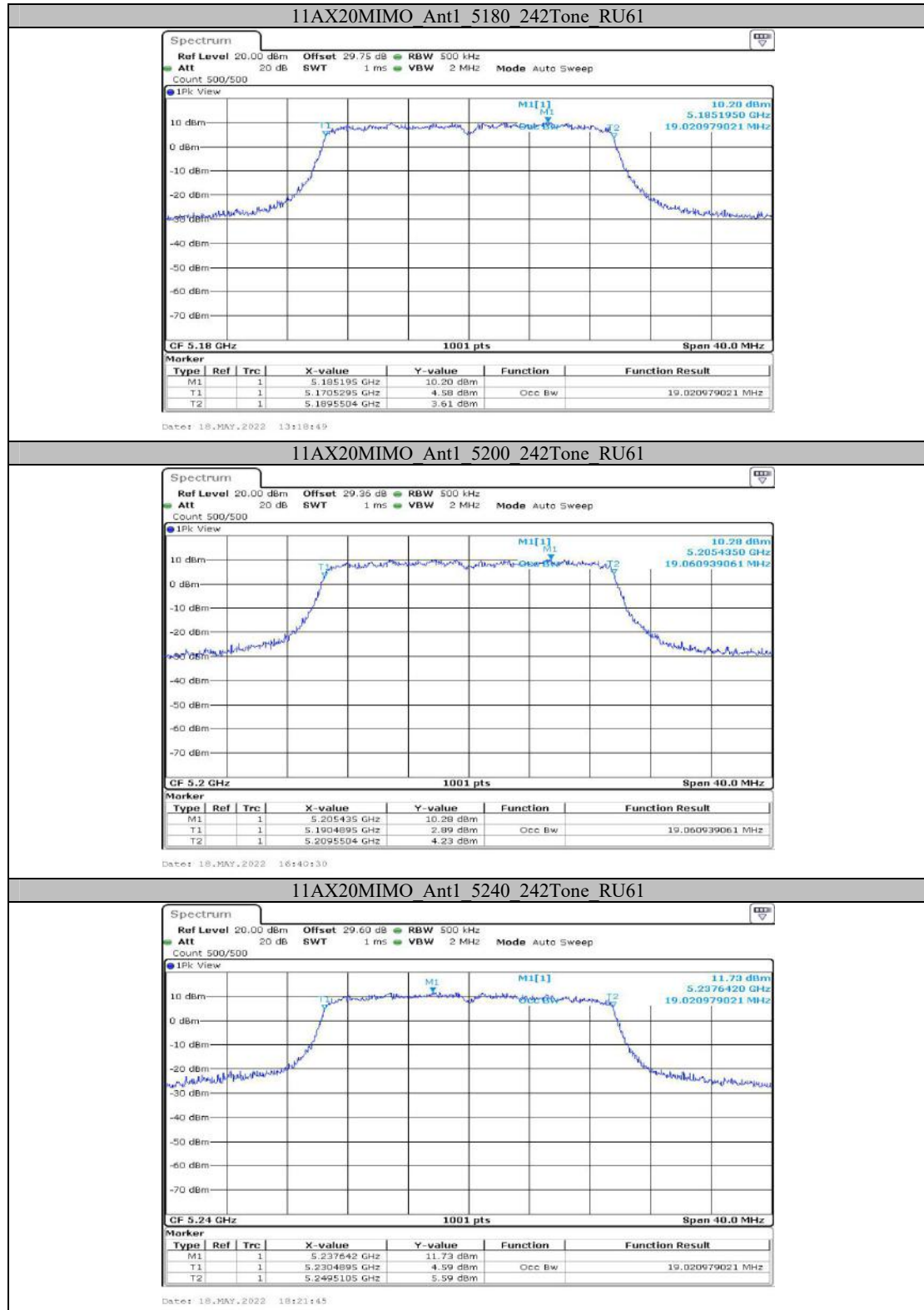


Date: 6.APR.2022 21:52:51

11AC80MIMO Ant1 5775



Date: 6.APR.2022 21:56:22







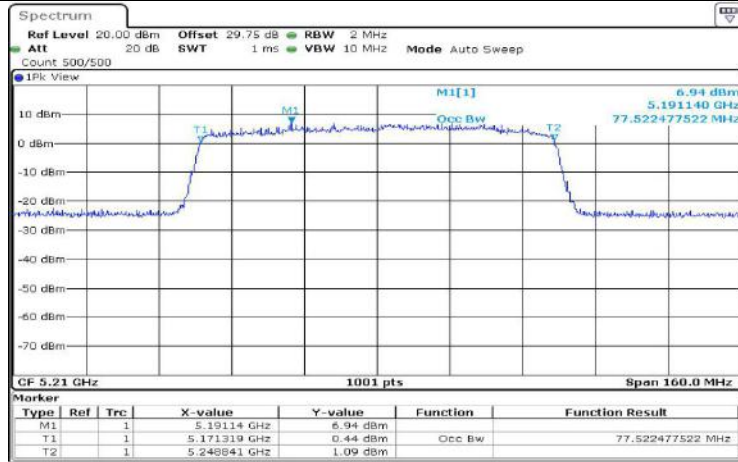




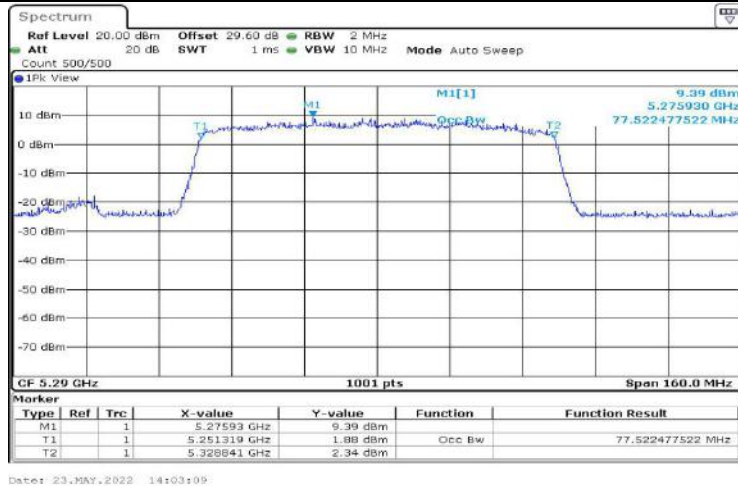




11AX80MIMO Ant1 5210 996Tone RU67



11AX80MIMO Ant1 5290 996Tone RU67



11AX80MIMO Ant1 5530 996Tone RU67





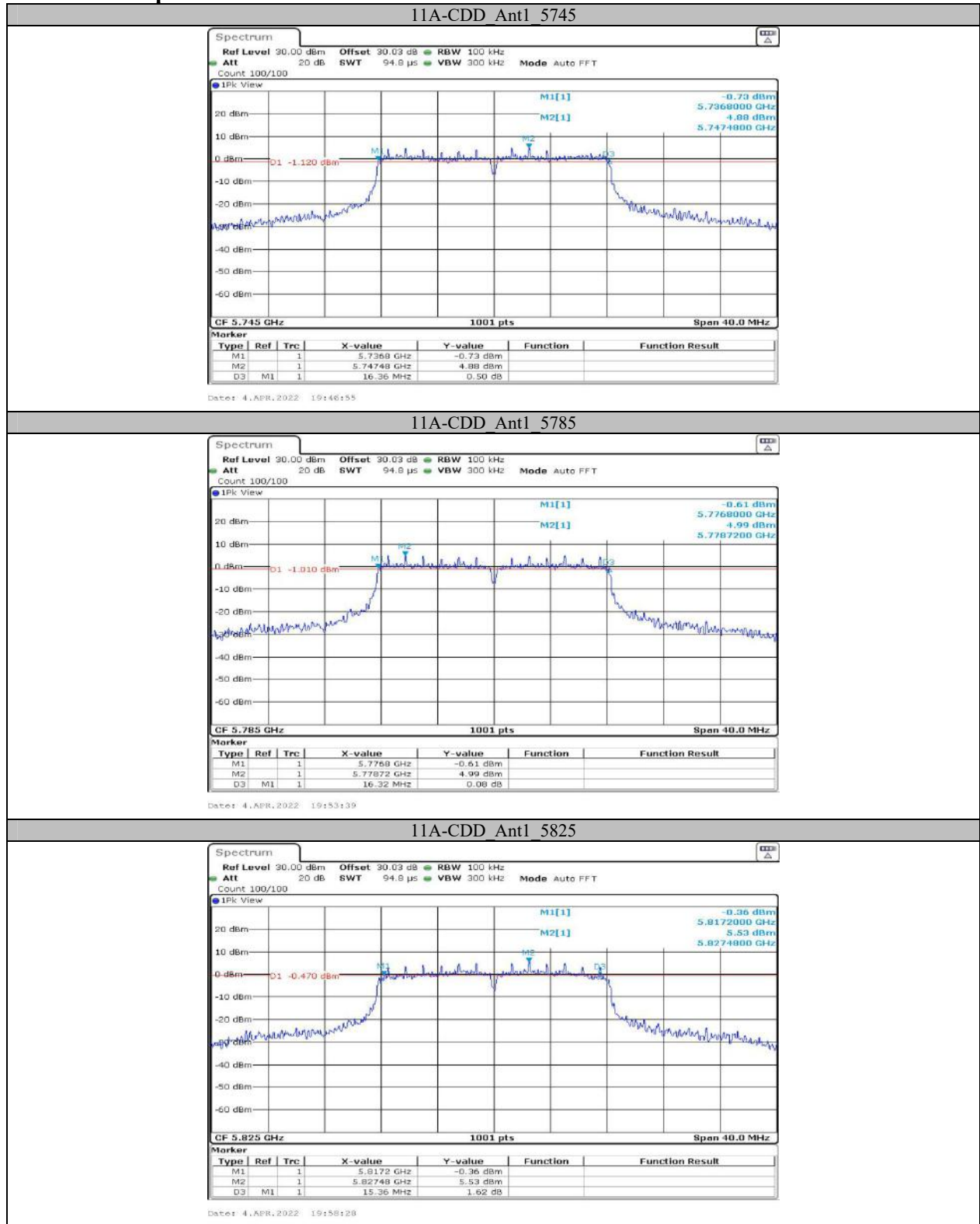
Appendix A3: Min emission bandwidth Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.36	0.5	PASS
	Ant1	5785	16.32	0.5	PASS
	Ant1	5825	15.36	0.5	PASS
11N20MIMO	Ant1	5745	17.60	0.5	PASS
	Ant1	5785	17.60	0.5	PASS
	Ant1	5825	17.56	0.5	PASS
11N40MIMO	Ant1	5755	35.28	0.5	PASS
	Ant1	5795	35.36	0.5	PASS
11AC20MIMO	Ant1	5745	17.56	0.5	PASS
	Ant1	5785	17.64	0.5	PASS
	Ant1	5825	17.16	0.5	PASS
11AC40MIMO	Ant1	5755	35.36	0.5	PASS
	Ant1	5795	35.36	0.5	PASS
11AC80MIMO	Ant1	5775	71.52	0.5	PASS

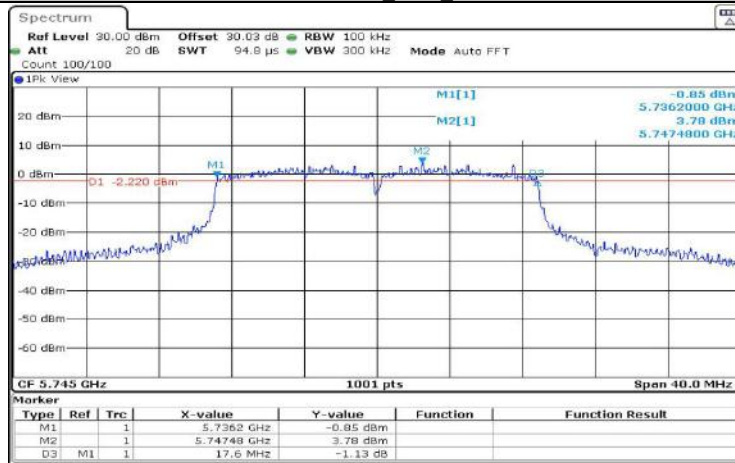
For 802.11 ax mode, worst case as below:

Test Mode	Antenna	Freq[MHz]	RuSize	RuIndex	6db BW[MHz]	Limit[MHz]	Verdict
11AX20MIMO	Ant1	5745	242Tone	RU61	18.96	0.5	PASS
	Ant1	5785	242Tone	RU61	18.88	0.5	PASS
	Ant1	5825	242Tone	RU61	19.00	0.5	PASS
11AX40MIMO	Ant1	5755	484Tone	RU65	37.92	0.5	PASS
	Ant1	5795	484Tone	RU65	37.92	0.5	PASS
11AX80MIMO	Ant1	5775	996Tone	RU67	77.12	0.5	PASS

Test Graphs

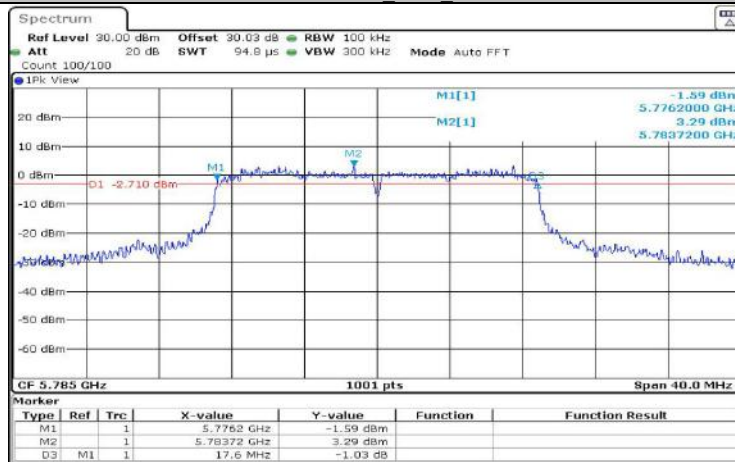


11N20MIMO Ant1 5745



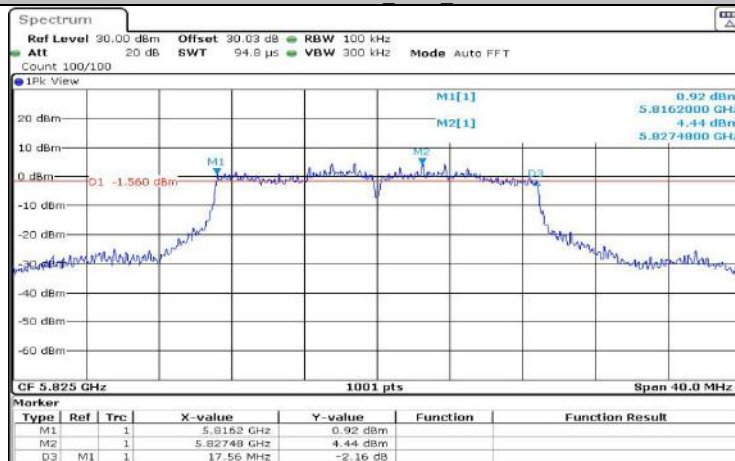
Date: 4.APR.2022 22:05:36

11N20MIMO Ant1 5785



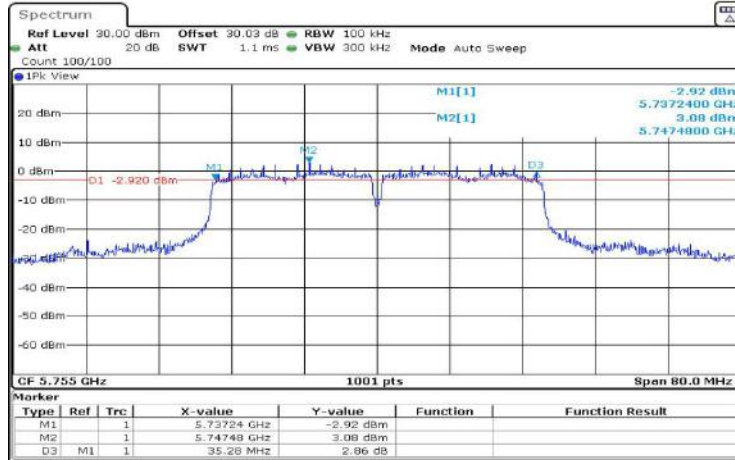
Date: 4.APR.2022 22:10:52

11N20MIMO Ant1 5825



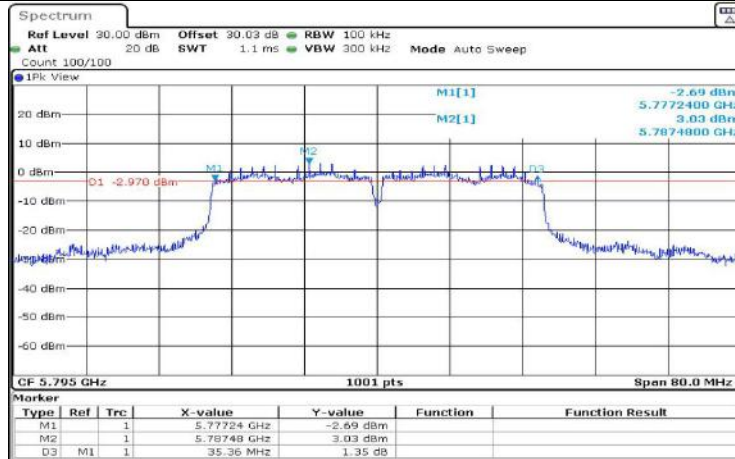
Date: 4.APR.2022 22:22:34

11N40MIMO Ant1 5755



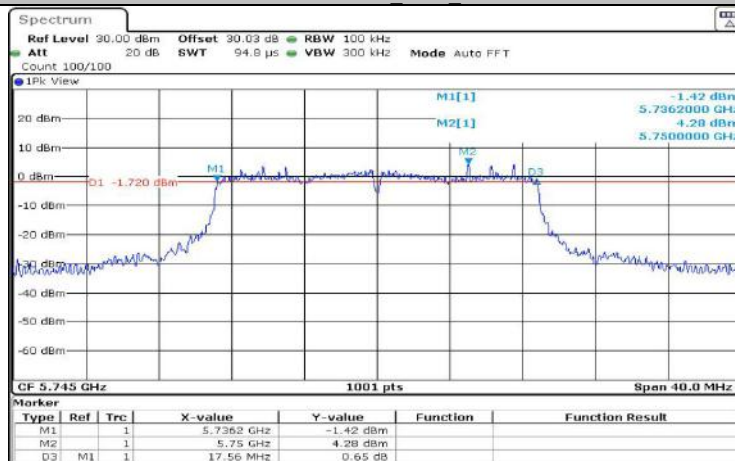
Date: 4, APR, 2022 23:59:33

11N40MIMO Ant1 5795



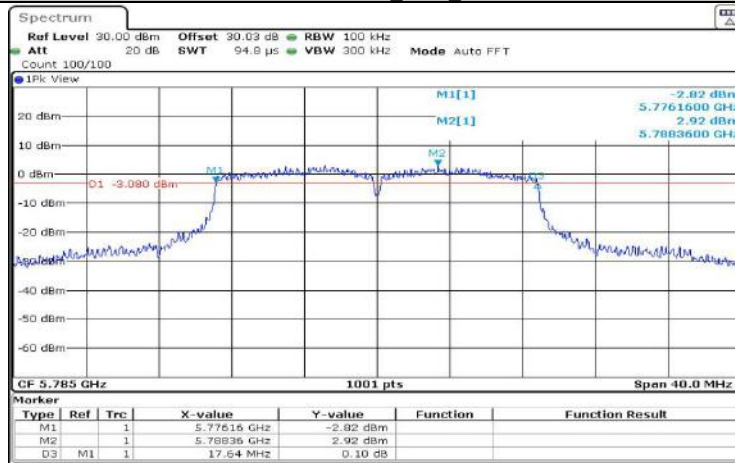
Date: 5, APR, 2022 00:04:34

11AC20MIMO Ant1 5745



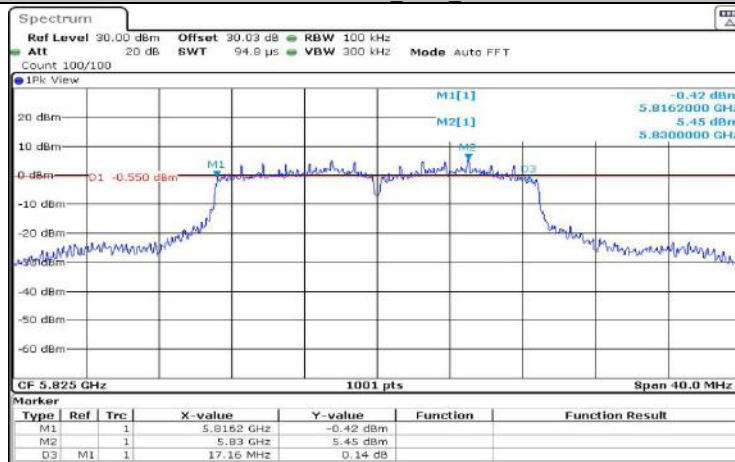
Date: 5, APR, 2022 01:34:37

11AC20MIMO Ant1 5785



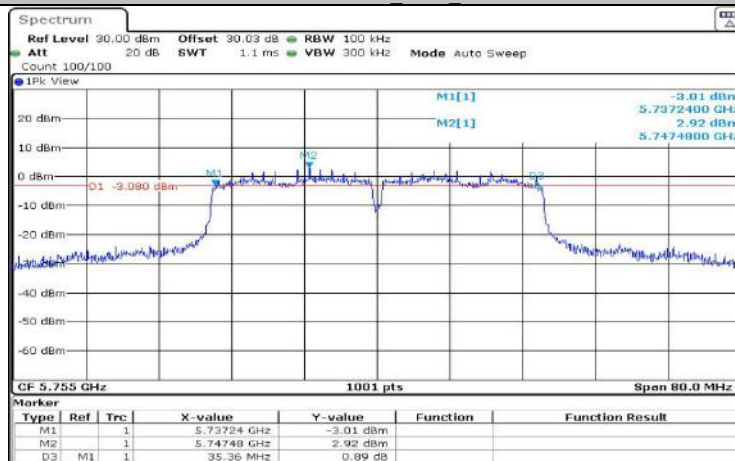
Date: 5.APR.2022 01:46:00

11AC20MIMO Ant1 5825



Date: 5.APR.2022 01:42:22

11AC40MIMO Ant1 5755



Date: 6.APR.2022 20:07:48

