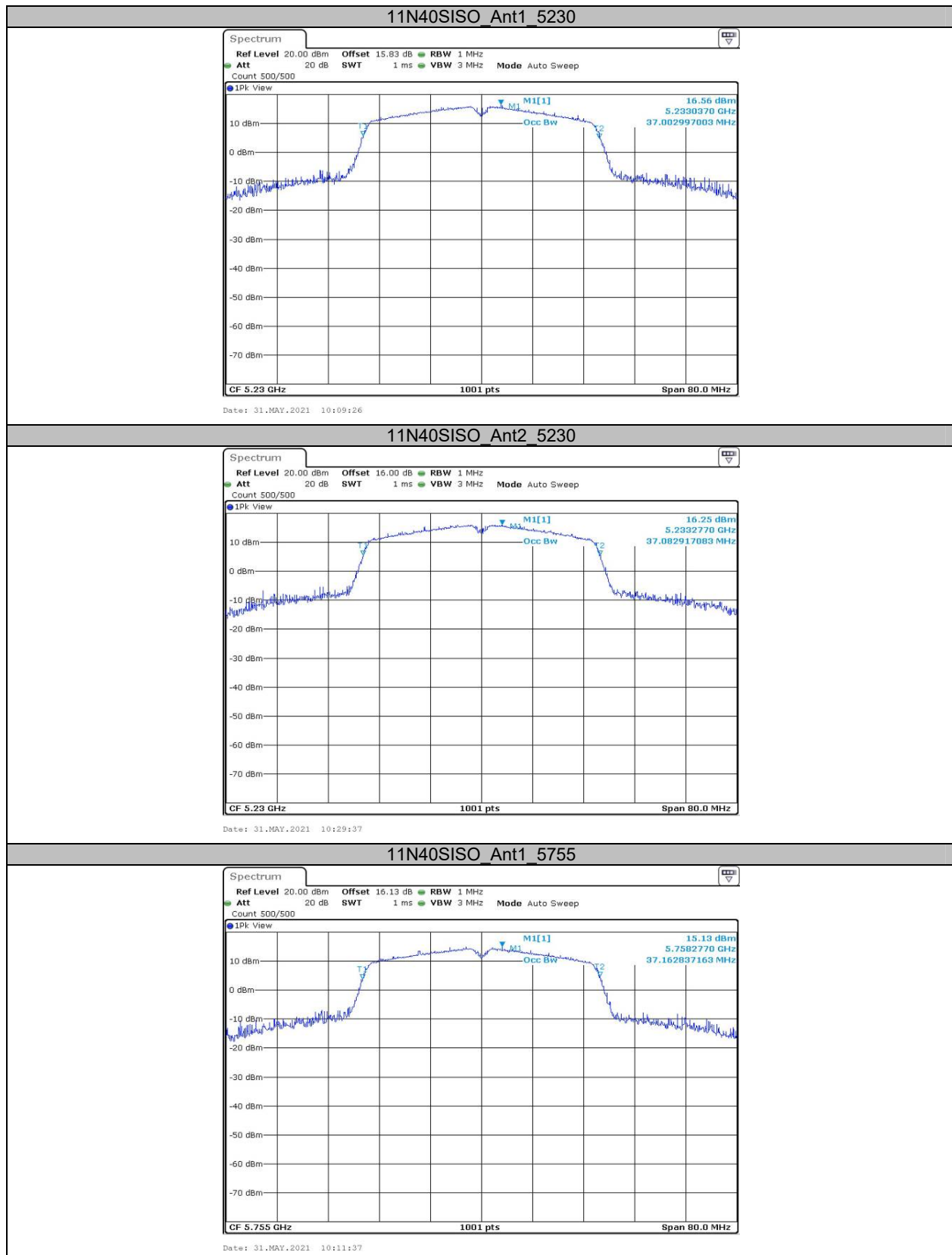
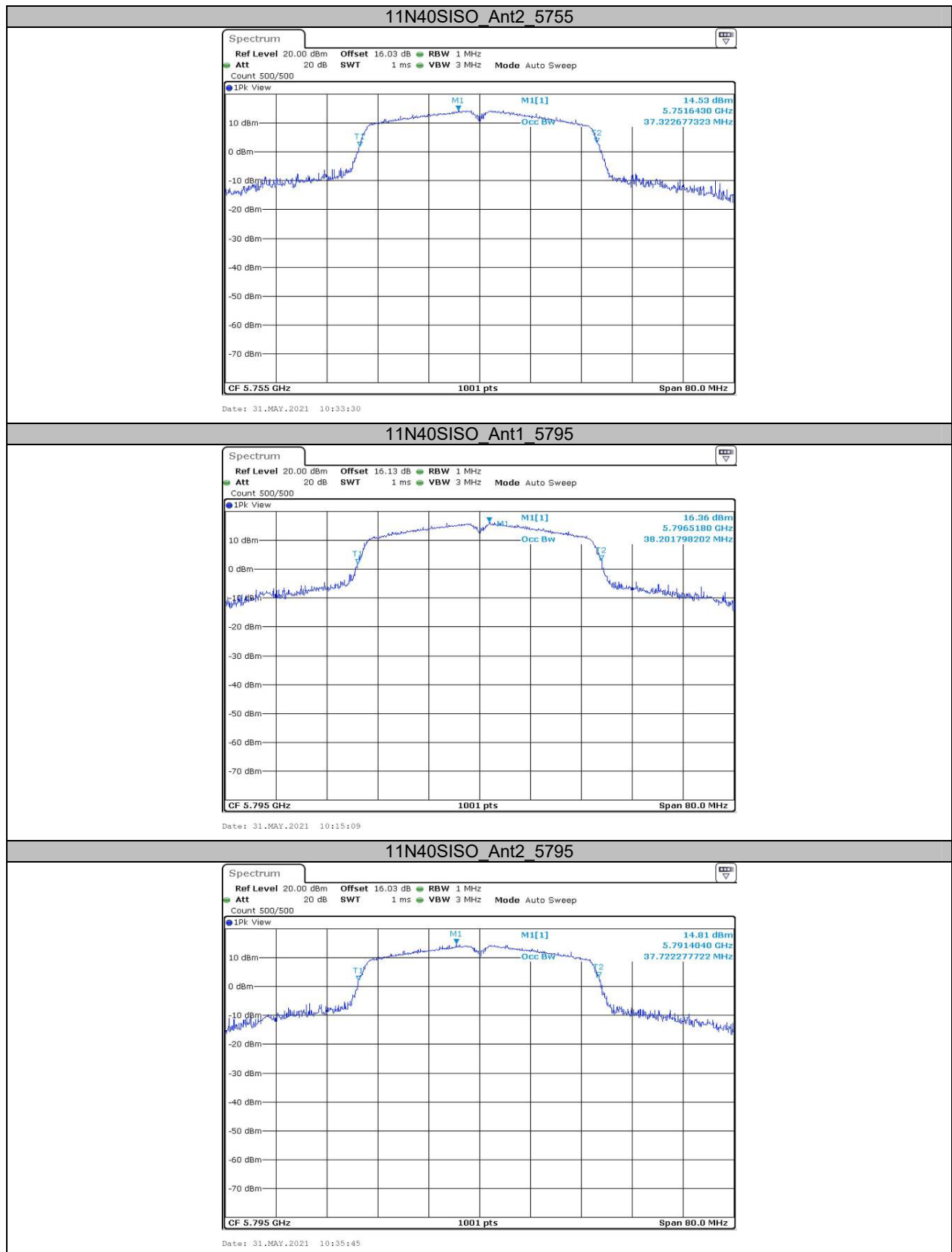
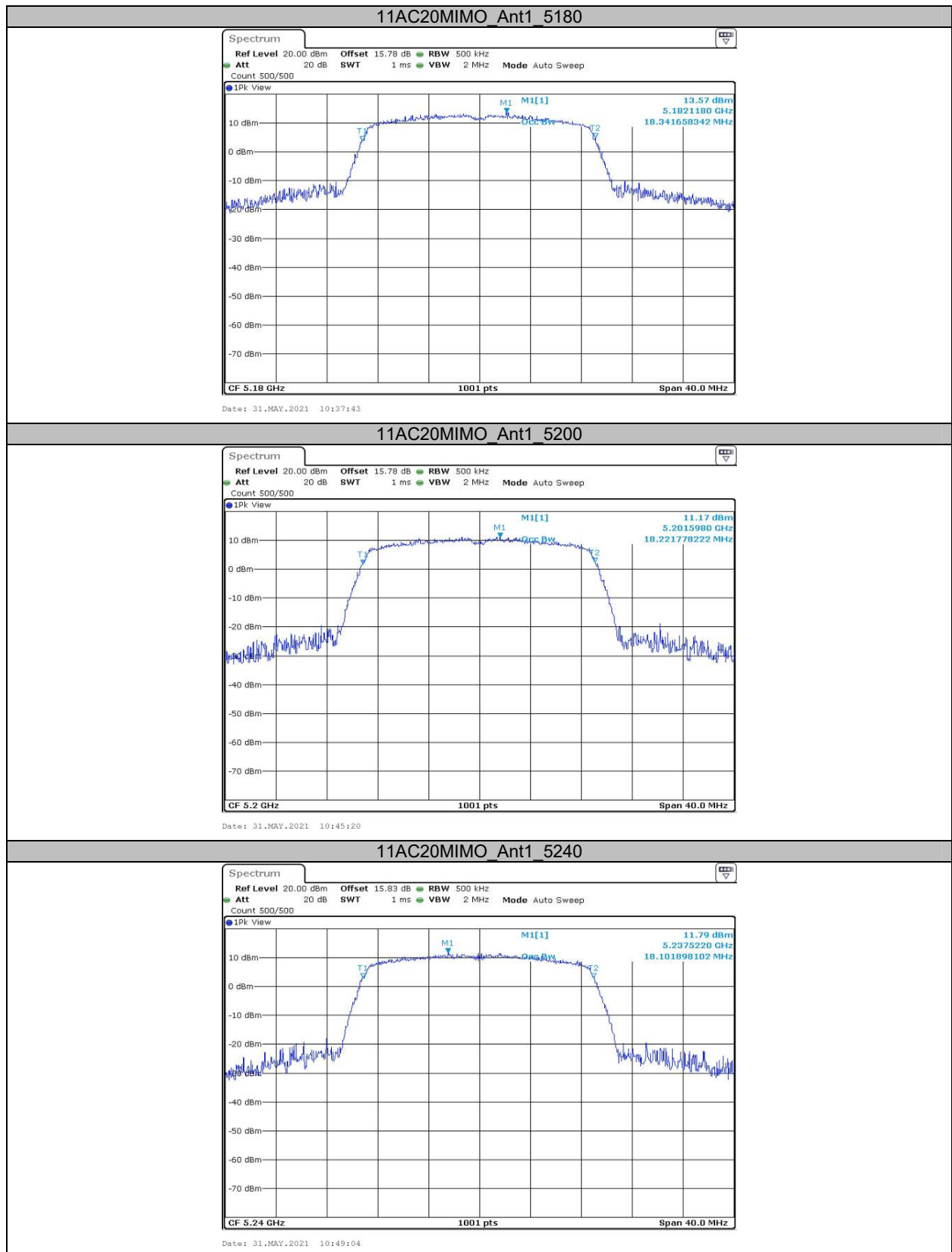
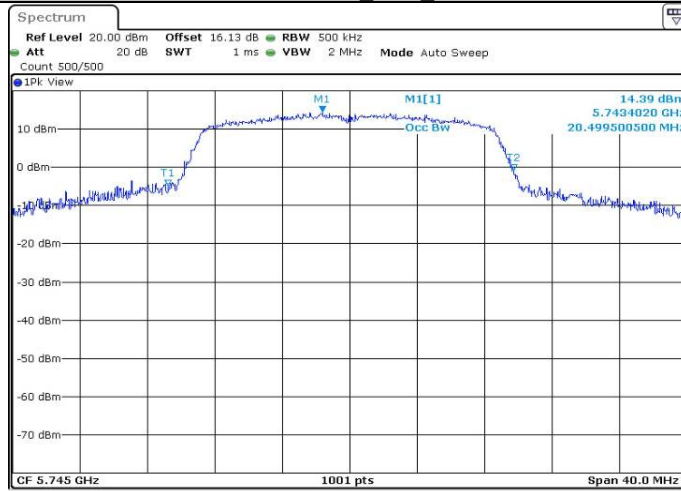






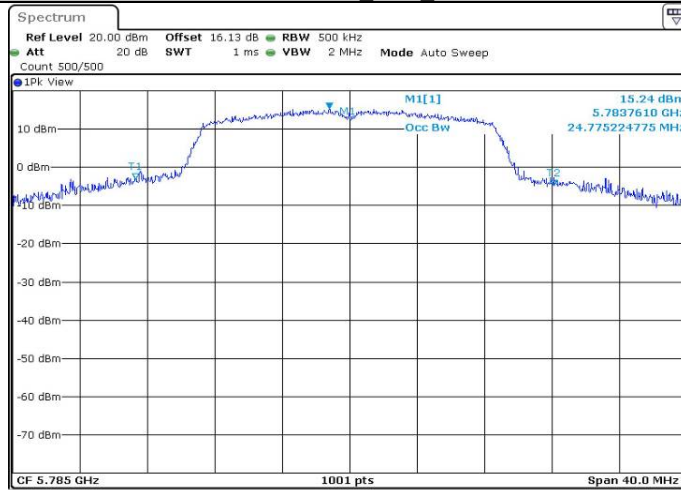


11AC20MIMO Ant1_5745



Date: 31.MAY.2021 10:52:27

11AC20MIMO Ant1_5785



Date: 31.MAY.2021 10:58:29

11AC20MIMO Ant1_5825



Date: 31.MAY.2021 12:04:03

11AC40MIMO Ant1_5190



Date: 31.MAY.2021 12:07:09

11AC40MIMO Ant1_5230



Date: 31.MAY.2021 12:11:33

11AC40MIMO Ant1_5755



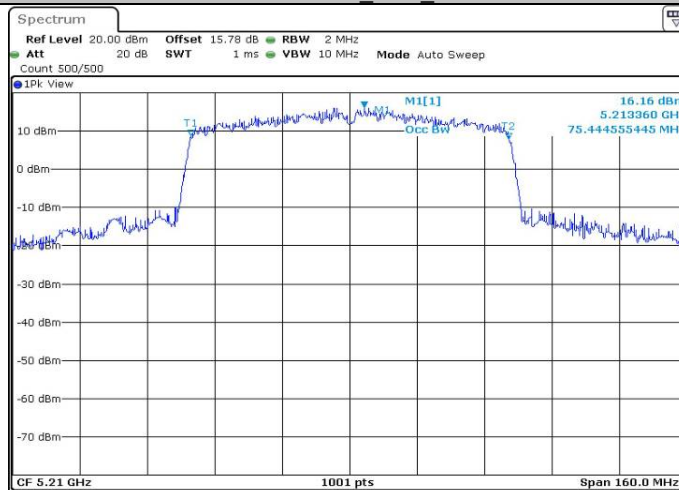
Date: 31.MAY.2021 12:14:26

11AC40MIMO Ant1_5795



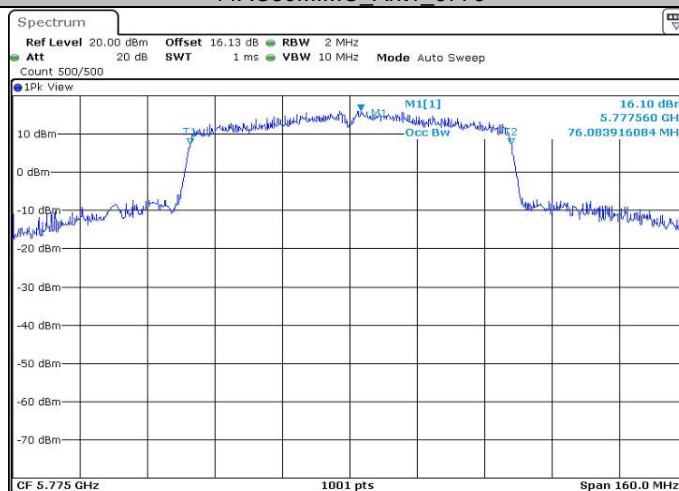
Date: 31.MAY.2021 12:16:57

11AC80MIMO Ant1_5210



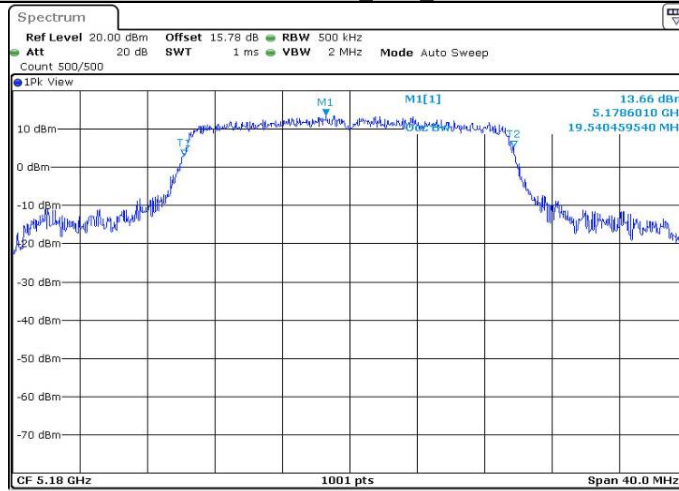
Date: 31.MAY.2021 12:21:29

11AC80MIMO Ant1_5775



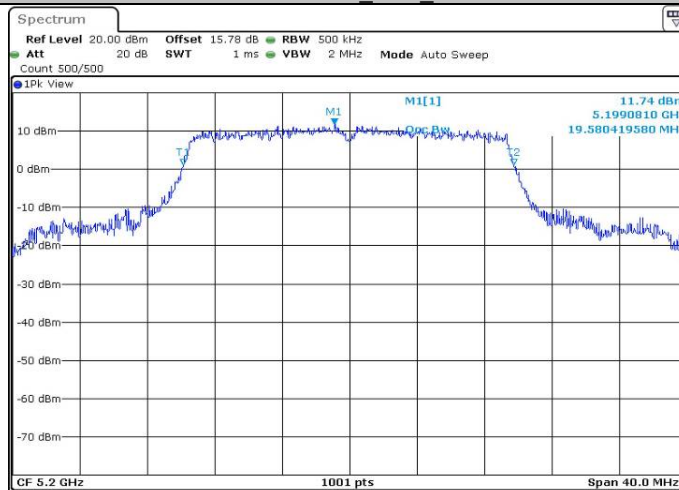
Date: 31.MAY.2021 12:27:31

11AX20MIMO Ant1_5180



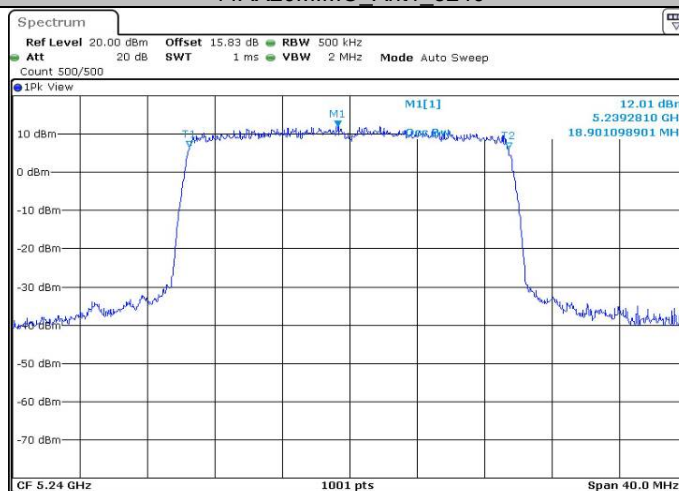
Date: 31.MAY.2021 12:33:23

11AX20MIMO Ant1_5200

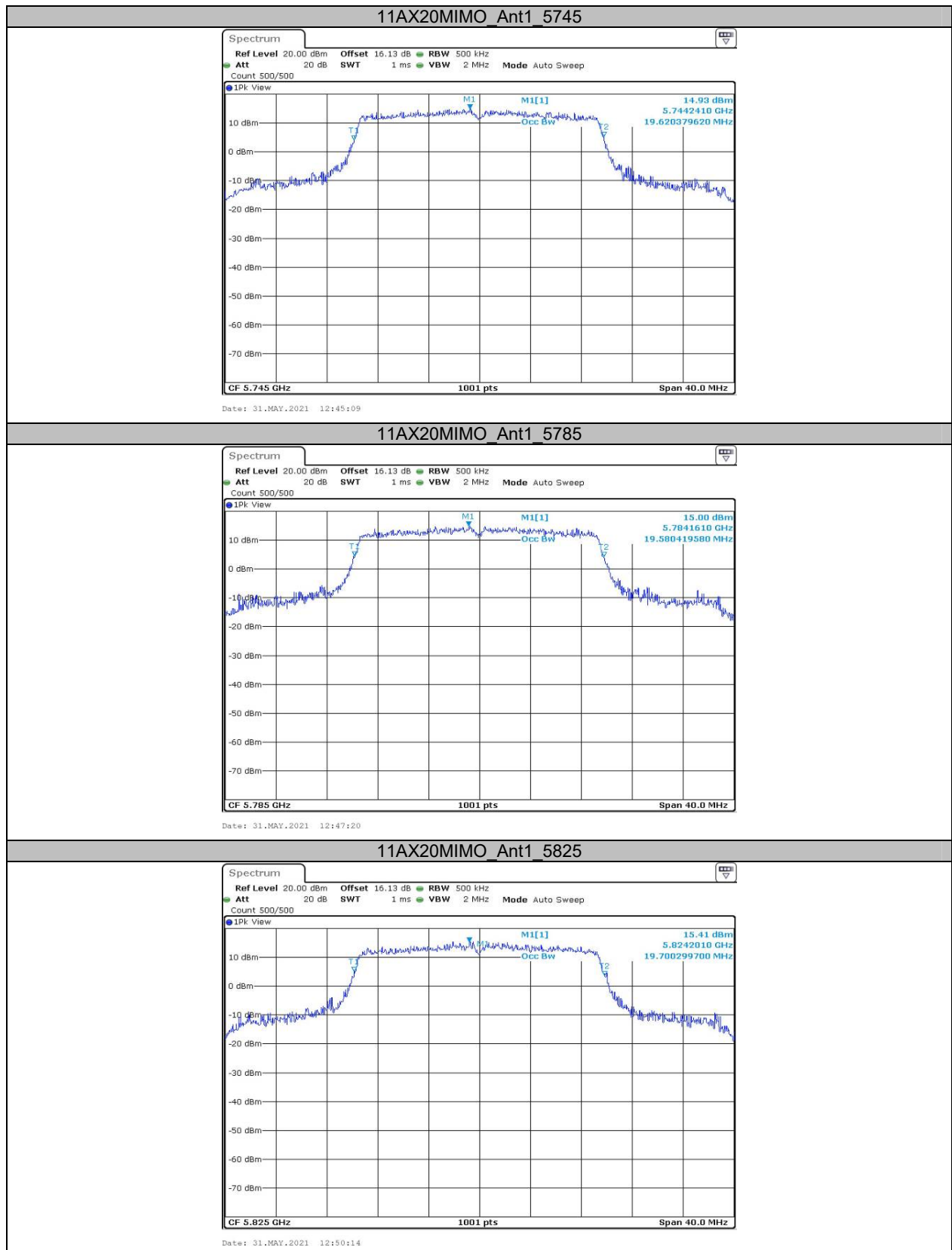


Date: 31.MAY.2021 12:40:18

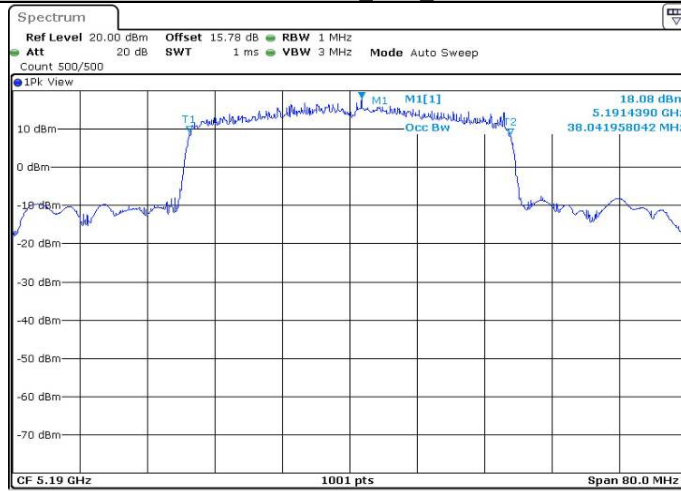
11AX20MIMO Ant1_5240



Date: 31.MAY.2021 12:42:47

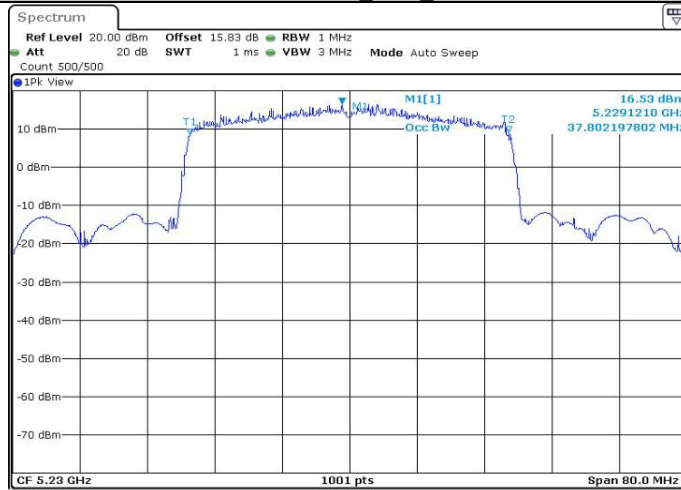


11AX40MIMO Ant1_5190



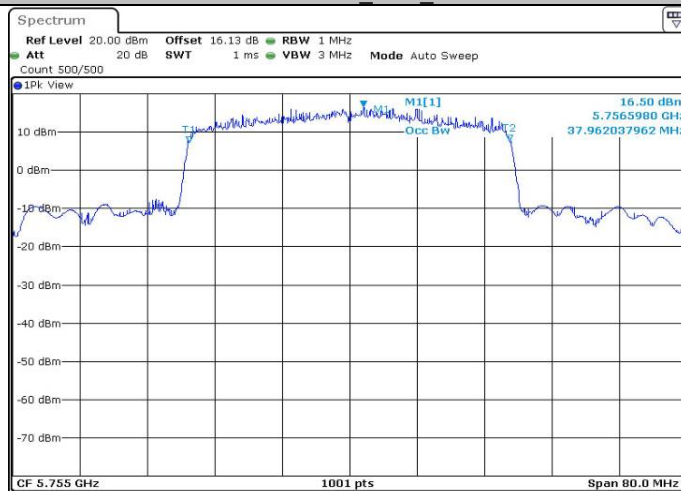
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11AX40MIMO Ant1_5230

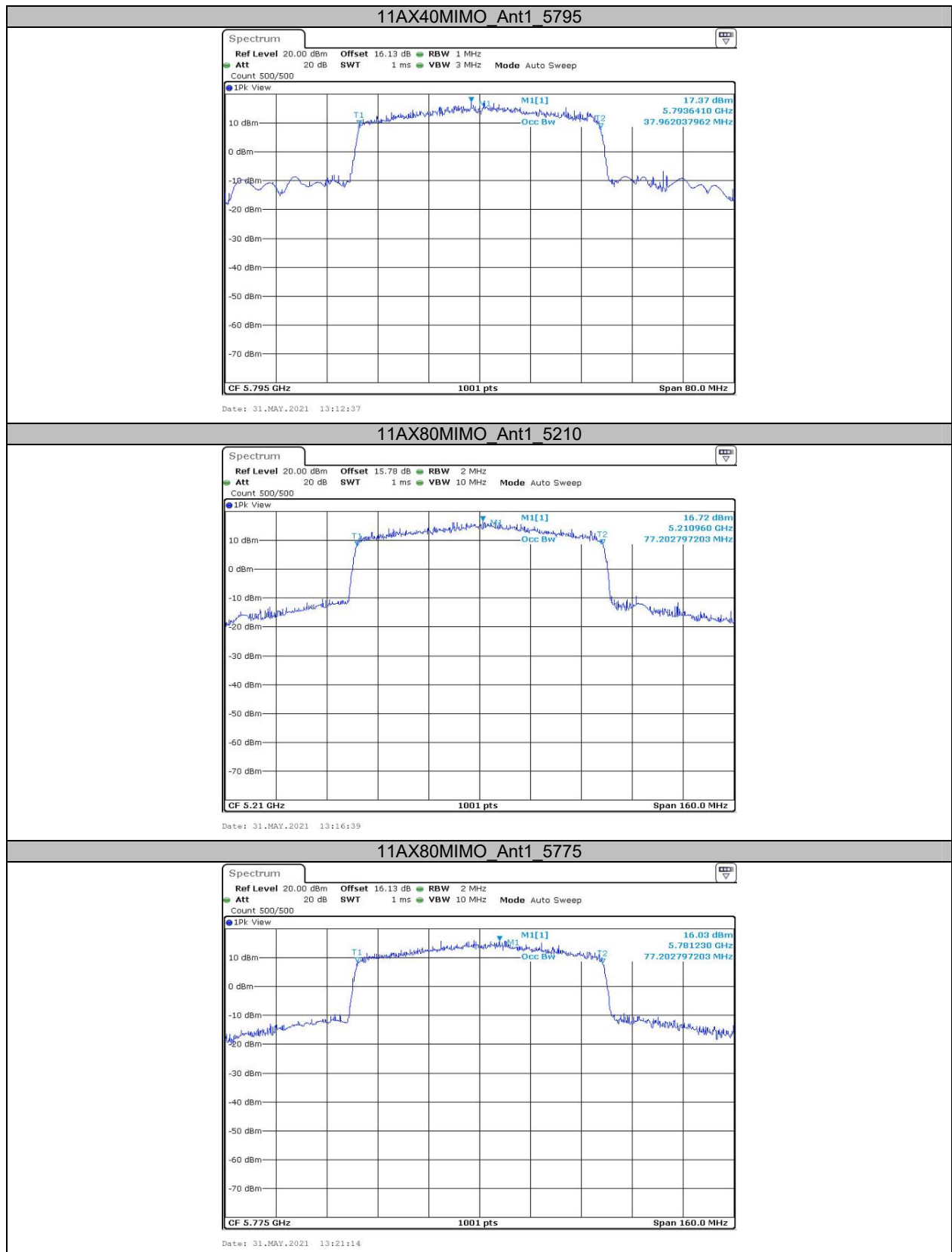


Date: 31.MAY.2021 13:05:41

11AX40MIMO Ant1_5755



Date: 31.MAY.2021 13:10:12



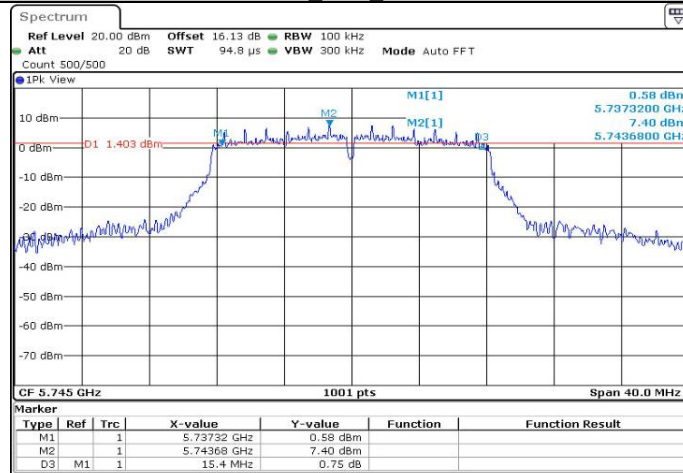
Appendix A3: Min emission bandwidth Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.400	0.5	PASS
	Ant2	5745	15.760	0.5	PASS
	Ant1	5785	15.440	0.5	PASS
	Ant2	5785	15.720	0.5	PASS
	Ant1	5825	16.360	0.5	PASS
	Ant2	5825	15.760	0.5	PASS
11N20SISO	Ant1	5745	16.240	0.5	PASS
	Ant2	5745	16.520	0.5	PASS
	Ant1	5785	15.520	0.5	PASS
	Ant2	5785	17.120	0.5	PASS
	Ant1	5825	16.360	0.5	PASS
	Ant2	5825	17.400	0.5	PASS
11N40SISO	Ant1	5755	35.200	0.5	PASS
	Ant2	5755	35.200	0.5	PASS
	Ant1	5795	34.000	0.5	PASS
	Ant2	5795	35.200	0.5	PASS
11AC20MIMO	Ant1	5745	15.200	0.5	PASS
		5785	16.040	0.5	PASS
		5825	15.520	0.5	PASS
11AC40MIMO	Ant1	5755	35.200	0.5	PASS
		5795	33.920	0.5	PASS
11AC80MIMO	Ant1	5775	75.360	0.5	PASS
11AX20MIMO	Ant1	5745	18.960	0.5	PASS
		5785	18.640	0.5	PASS
		5825	18.800	0.5	PASS
11AX40MIMO	Ant1	5755	35.280	0.5	PASS
		5795	36.320	0.5	PASS
11AX80MIMO	Ant1	5775	74.080	0.5	PASS

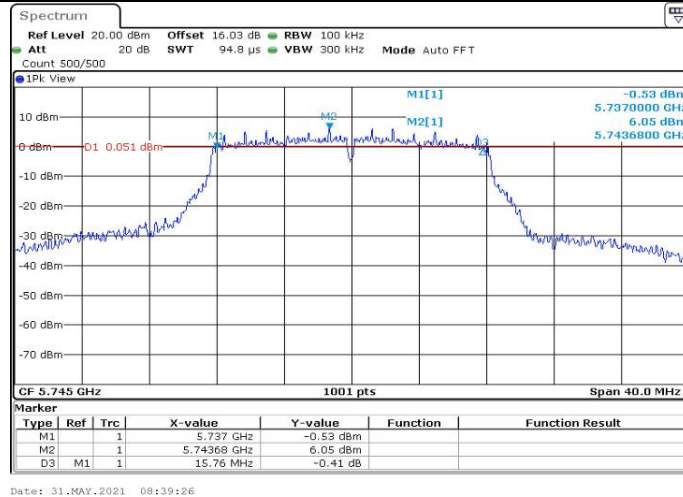
Note: for AC20/AC40/AC80/AX20/AX40/AX80 mode, the worst case antenna 1 was tested.

Test Graphs

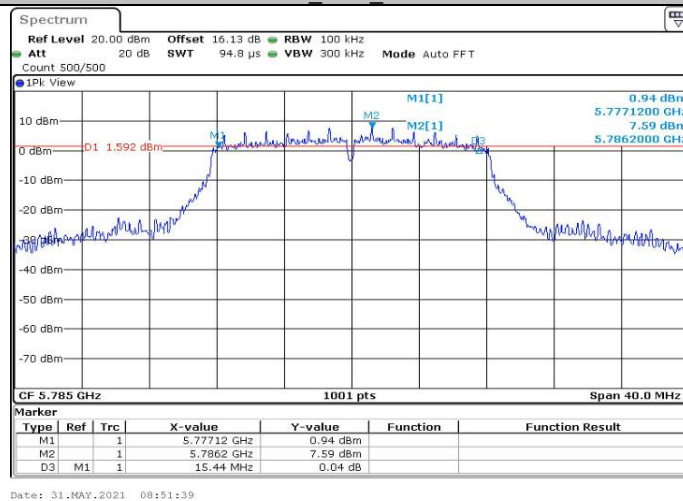
11A_Ant1_5745



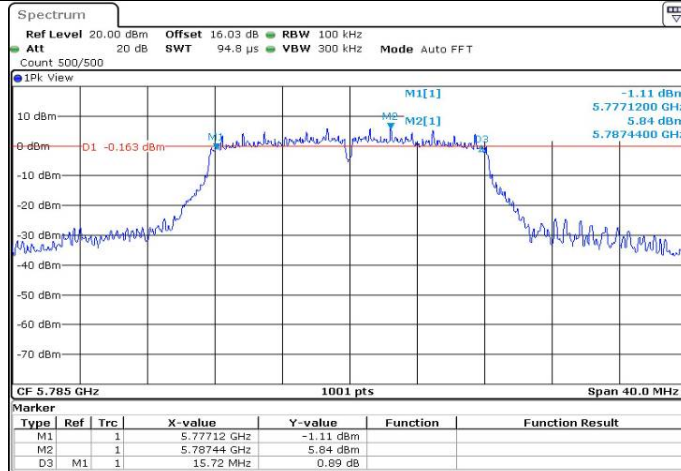
11A_Ant2_5745



11A_Ant1_5785

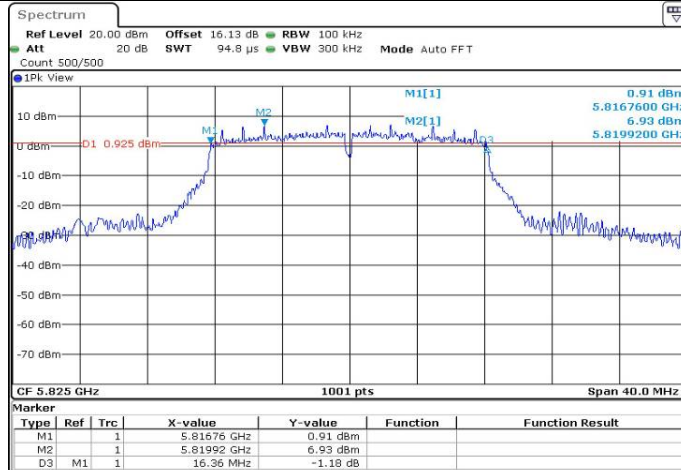


11A_Ant2_5785



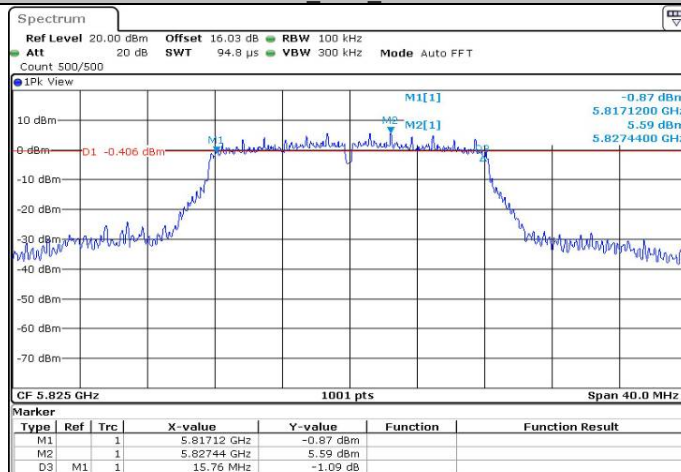
Date: 31.MAY.2021 08:40:53

11A_Ant1_5825

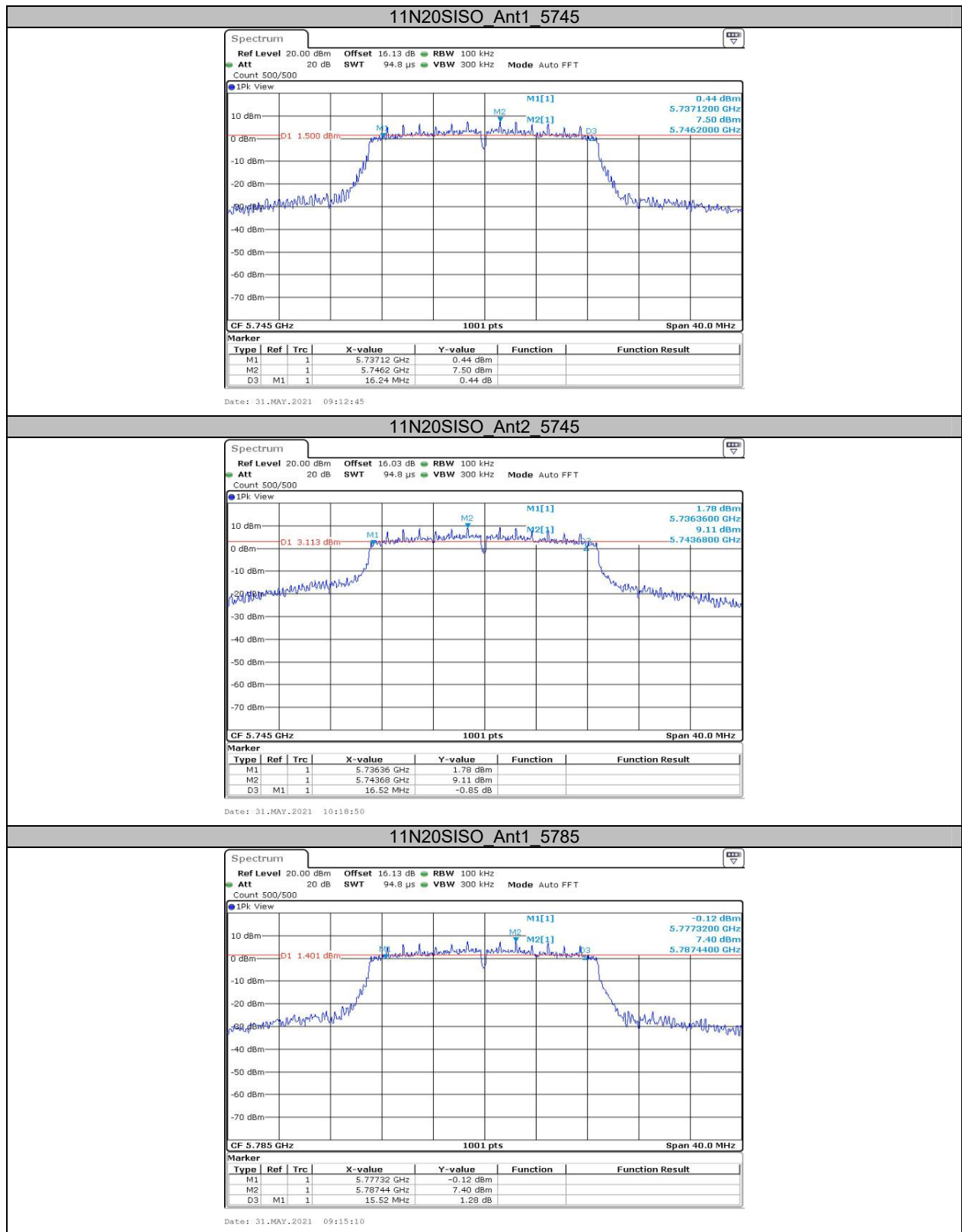


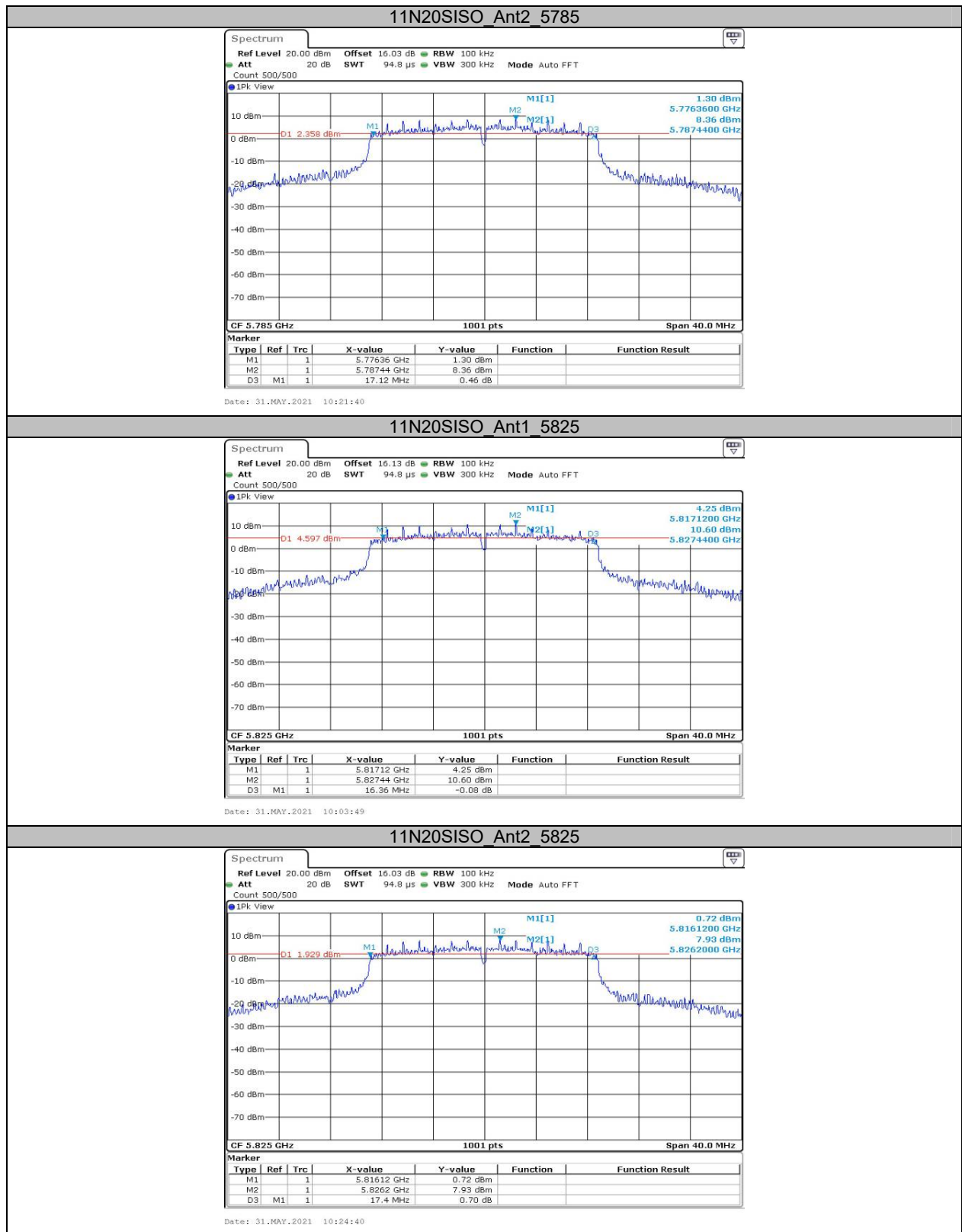
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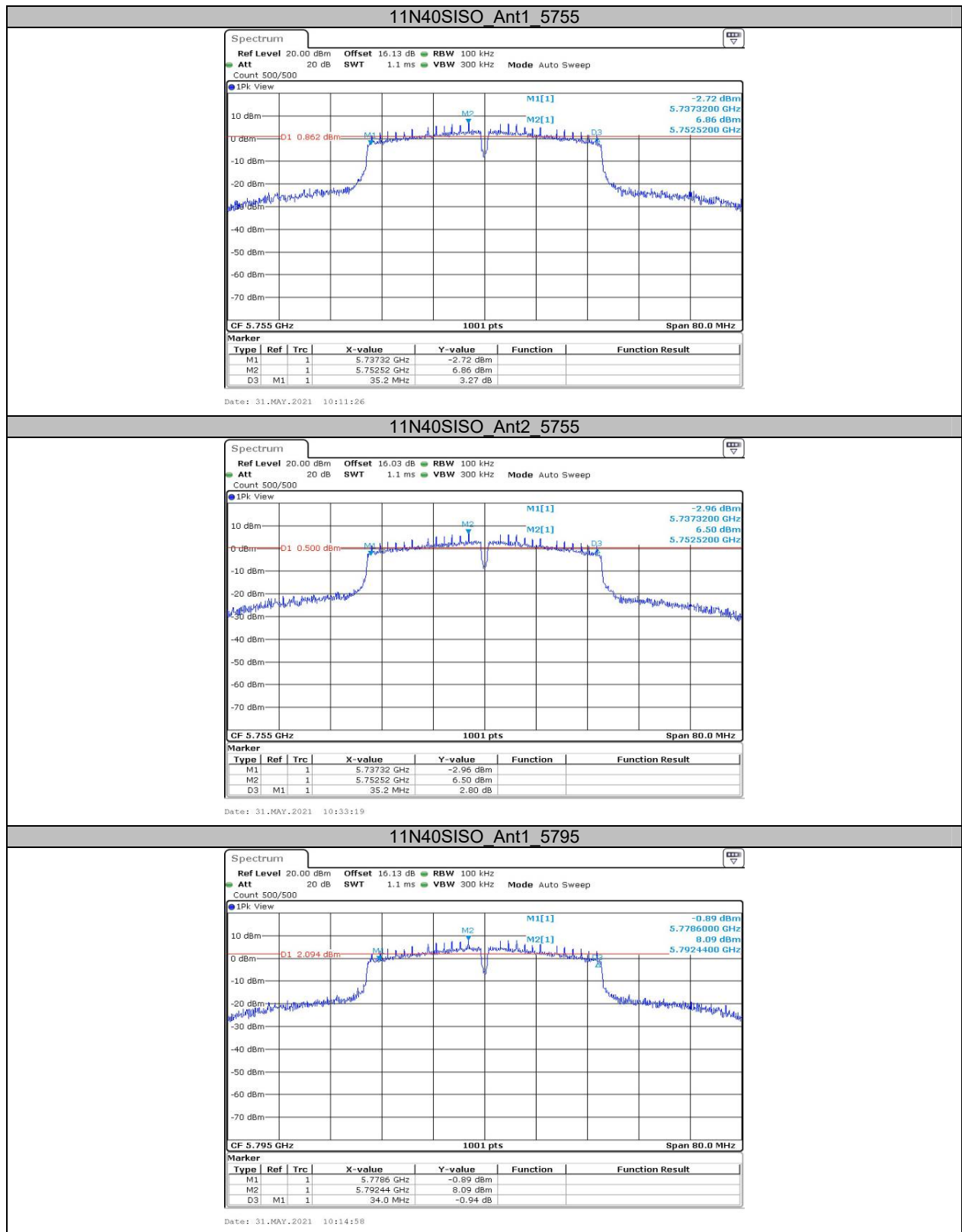
11A_Ant2_5825

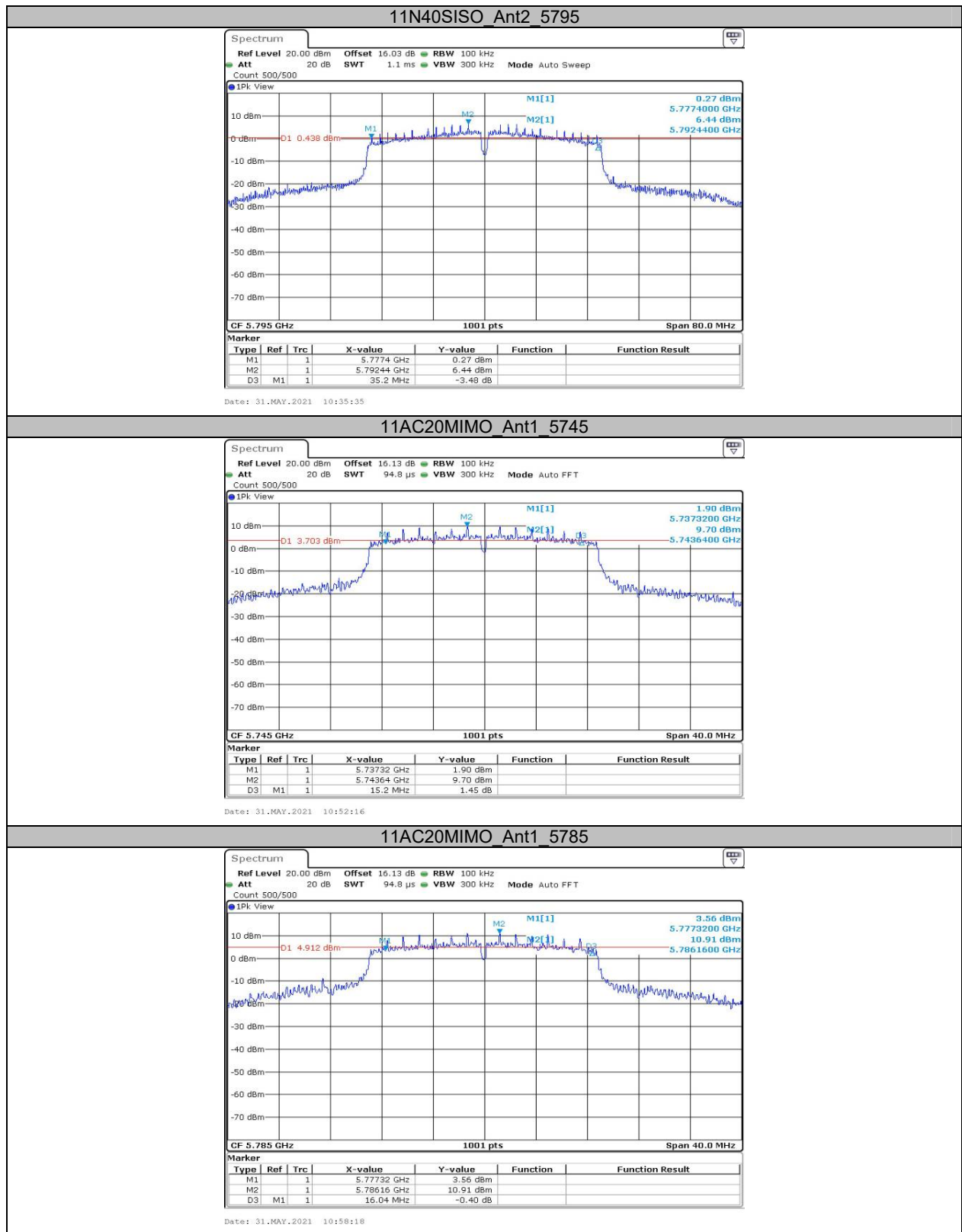


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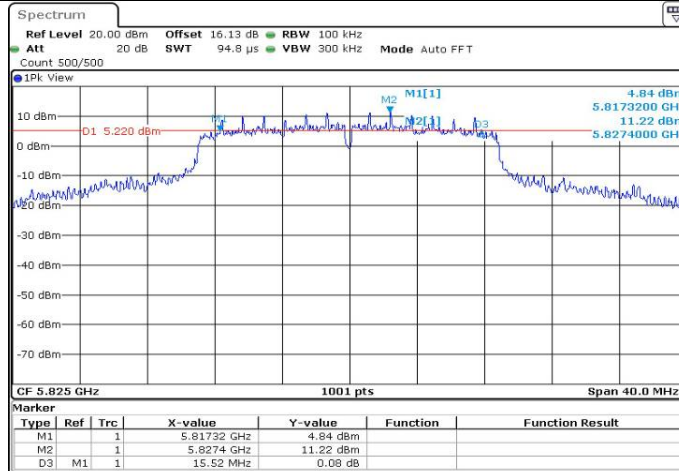






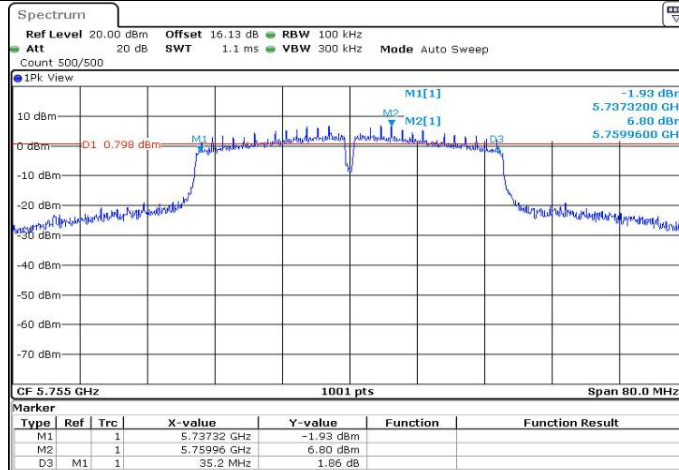


11AC20MIMO Ant1 5825



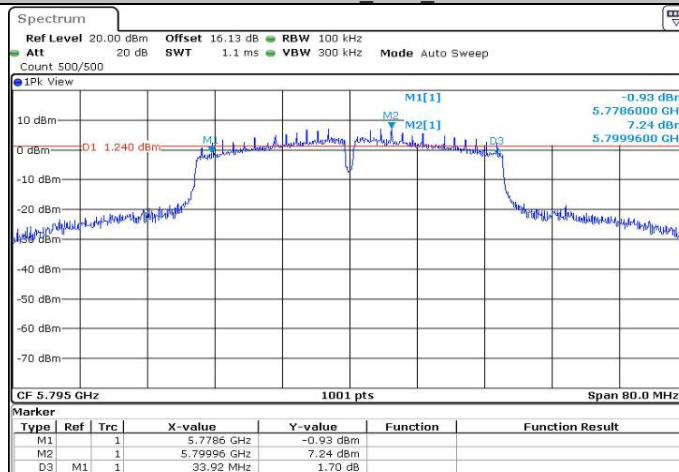
Date: 31.MAY.2021 12:03:53

11AC40MIMO Ant1 5755

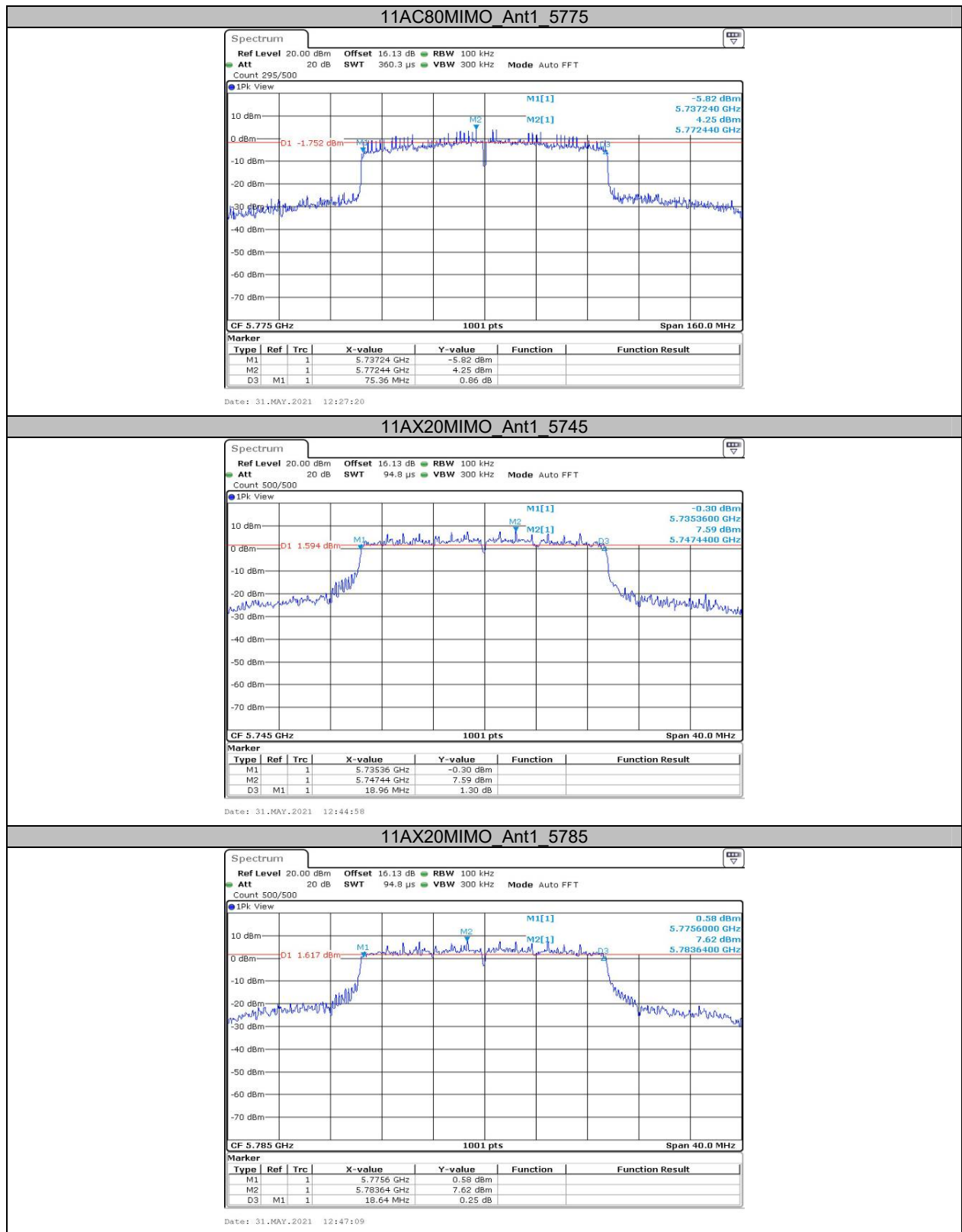


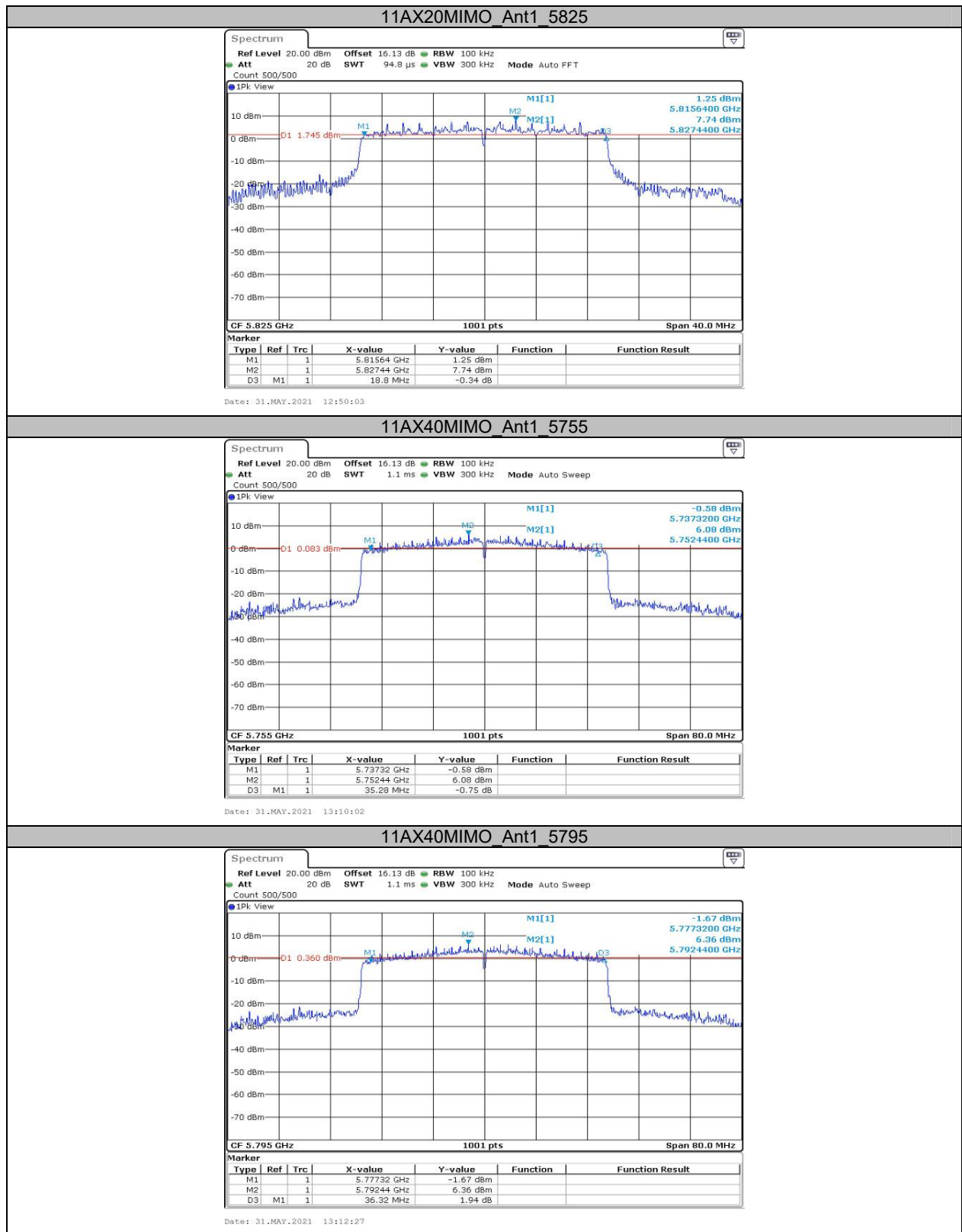
Date: 31.MAY.2021 12:14:16

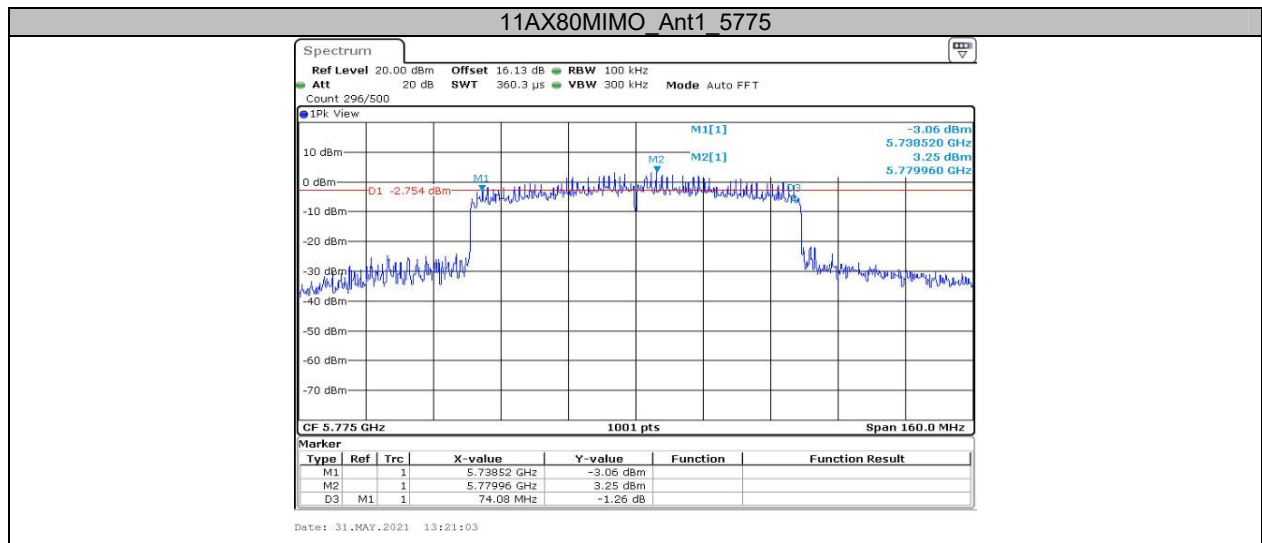
11AC40MIMO Ant1 5795



Date: 31.MAY.2021 12:16:47







Appendix B: Maximum conducted output power Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	20.88	≤30	PASS
	Ant2	5180	21.01	≤30	PASS
	Ant1	5200	20.96	≤30	PASS
	Ant2	5200	20.70	≤30	PASS
	Ant1	5240	20.90	≤30	PASS
	Ant2	5240	20.98	≤30	PASS
	Ant1	5745	22.45	≤30	PASS
	Ant2	5745	23.21	≤30	PASS
	Ant1	5785	22.63	≤30	PASS
	Ant2	5785	23.02	≤30	PASS
	Ant1	5825	22.59	≤30	PASS
	Ant2	5825	22.44	≤30	PASS
11N20SISO	Ant1	5180	19.84	≤30	PASS
	Ant2	5180	19.49	≤30	PASS
	Ant1	5200	19.79	≤30	PASS
	Ant2	5200	19.52	≤30	PASS
	Ant1	5240	19.82	≤30	PASS
	Ant2	5240	19.82	≤30	PASS
	Ant1	5745	22.39	≤30	PASS
	Ant2	5745	22.83	≤30	PASS
	Ant1	5785	22.42	≤30	PASS
	Ant2	5785	22.93	≤30	PASS
	Ant1	5825	22.51	≤30	PASS
	Ant2	5825	22.37	≤30	PASS
11N40SISO	Ant1	5190	20.09	≤30	PASS
	Ant2	5190	19.68	≤30	PASS
	Ant1	5230	20.09	≤30	PASS
	Ant2	5230	19.96	≤30	PASS
	Ant1	5755	23.10	≤30	PASS
	Ant2	5755	23.30	≤30	PASS
	Ant1	5795	23.11	≤30	PASS
	Ant2	5795	23.10	≤30	PASS
11AC20MIMO	Ant1	5180	19.97	≤30	PASS
	Ant2	5180	19.67	≤30	PASS
	total	5180	22.8	≤30	PASS
	Ant1	5200	19.79	≤30	PASS
	Ant2	5200	19.67	≤30	PASS
	total	5200	22.7	≤30	PASS
	Ant1	5240	19.88	≤30	PASS
	Ant2	5240	19.87	≤30	PASS
	total	5240	22.9	≤30	PASS
	Ant1	5745	22.50	≤30	PASS
	Ant2	5745	22.86	≤30	PASS
	total	5745	25.7	≤30	PASS
	Ant1	5785	22.47	≤30	PASS
	Ant2	5785	22.95	≤30	PASS
	total	5785	25.7	≤30	PASS
	Ant1	5825	22.51	≤30	PASS
	Ant2	5825	22.50	≤30	PASS
	total	5825	25.5	≤30	PASS
11AC40MIMO	Ant1	5190	20.18	≤30	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
	Ant2	5190	19.73	≤30	PASS
	total	5190	23.0	≤30	PASS
	Ant1	5230	20.06	≤30	PASS
	Ant2	5230	20.05	≤30	PASS
	total	5230	23.1	≤30	PASS
	Ant1	5755	23.39	≤30	PASS
	Ant2	5755	23.25	≤30	PASS
	total	5755	26.3	≤30	PASS
	Ant1	5795	23.06	≤30	PASS
	Ant2	5795	23.24	≤30	PASS
	total	5795	26.2	≤30	PASS
11AC80MIMO	Ant1	5210	18.15	≤30	PASS
	Ant2	5210	17.84	≤30	PASS
	total	5210	21.0	≤30	PASS
	Ant1	5775	23.35	≤30	PASS
	Ant2	5775	23.40	≤30	PASS
	total	5775	26.4	≤30	PASS
11AX20MIMO	Ant1	5180	19.71	≤30	PASS
	Ant2	5180	19.71	≤30	PASS
	total	5180	22.7	≤30	PASS
	Ant1	5200	20.12	≤30	PASS
	Ant2	5200	19.97	≤30	PASS
	total	5200	23.1	≤30	PASS
	Ant1	5240	20.15	≤30	PASS
	Ant2	5240	20.24	≤30	PASS
	total	5240	23.2	≤30	PASS
	Ant1	5745	20.18	≤30	PASS
	Ant2	5745	20.47	≤30	PASS
	total	5745	23.3	≤30	PASS
	Ant1	5785	20.15	≤30	PASS
	Ant2	5785	20.60	≤30	PASS
	total	5785	23.4	≤30	PASS
	Ant1	5825	20.30	≤30	PASS
	Ant2	5825	20.13	≤30	PASS
	total	5825	23.2	≤30	PASS
11AX40MIMO	Ant1	5190	20.62	≤30	PASS
	Ant2	5190	20.09	≤30	PASS
	total	5190	23.4	≤30	PASS
	Ant1	5230	20.34	≤30	PASS
	Ant2	5230	20.28	≤30	PASS
	total	5230	23.3	≤30	PASS
	Ant1	5755	20.56	≤30	PASS
	Ant2	5755	20.37	≤30	PASS
	total	5755	23.5	≤30	PASS
	Ant1	5795	20.43	≤30	PASS
	Ant2	5795	20.53	≤30	PASS
	total	5795	23.5	≤30	PASS
11AX80MIMO	Ant1	5210	18.63	≤30	PASS
	Ant2	5210	18.40	≤30	PASS
	total	5210	21.5	≤30	PASS
	Ant1	5775	20.84	≤30	PASS
	Ant2	5775	20.56	≤30	PASS
	total	5775	23.7	≤30	PASS

Note: EUT is an indoor AP.

for AC20/AC40/AC80/AX20/AX40/AX80 mode, EUT support beamforming.

Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi

For the worst case, $N_{SS} = 1$, Directional gain = $3 + 10 \log(2/1)$ dBi = 6 dBi ≤ 6 dBi

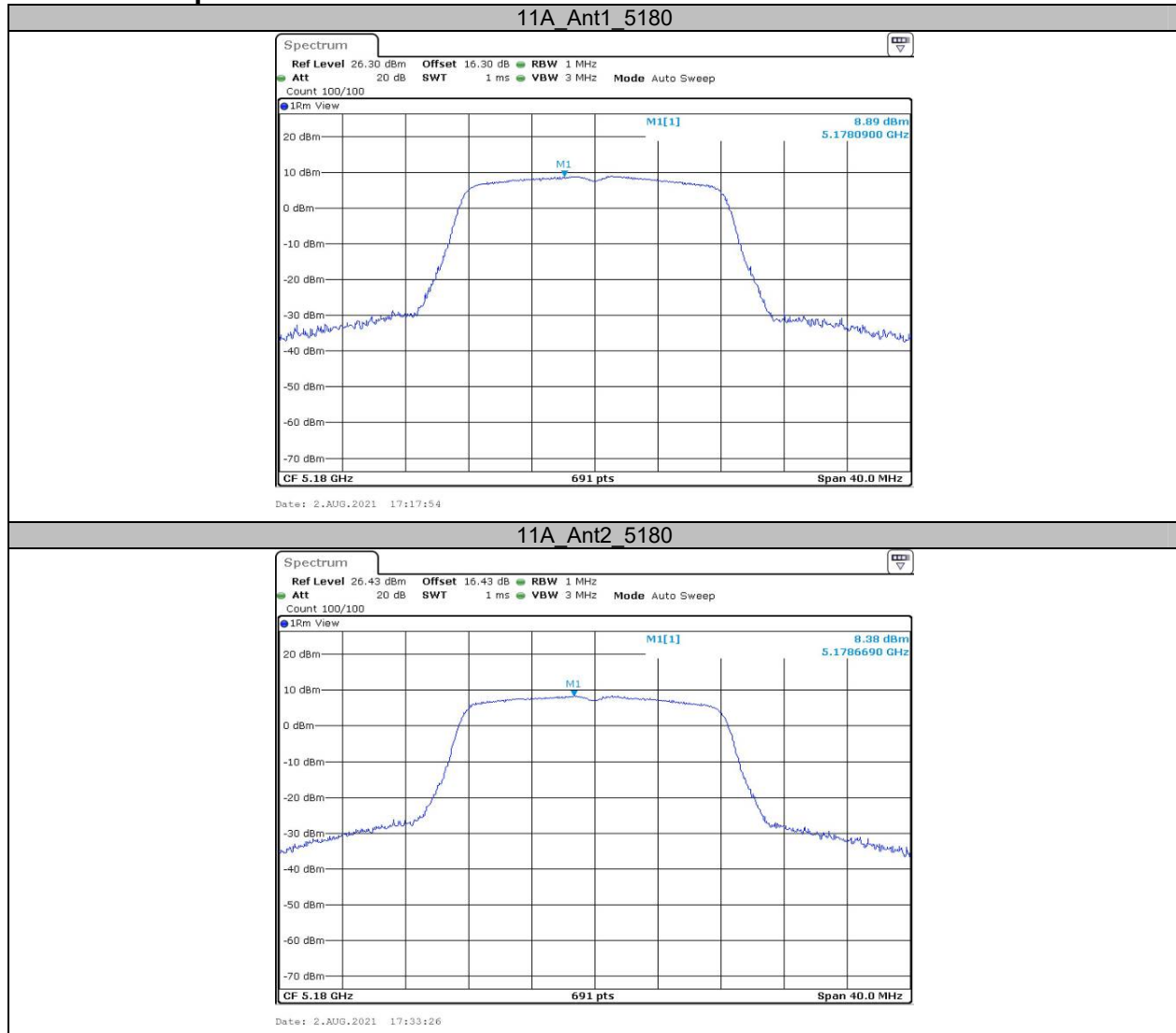
Appendix C: Maximum power spectral density Test Result

TestMode	Antenna	Channel	Test Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	8.89	≤17	PASS
	Ant2	5180	8.38	≤17	PASS
	Ant1	5200	8.68	≤17	PASS
	Ant2	5200	8.54	≤17	PASS
	Ant1	5240	9.17	≤17	PASS
	Ant2	5240	9.13	≤17	PASS
	Ant1	5745	7.21	≤30	PASS
	Ant2	5745	7.49	≤30	PASS
	Ant1	5785	7.35	≤30	PASS
	Ant2	5785	7.56	≤30	PASS
	Ant1	5825	7.84	≤30	PASS
	Ant2	5825	7.34	≤30	PASS
11N20SISO	Ant1	5180	7.49	≤17	PASS
	Ant2	5180	7.25	≤17	PASS
	Ant1	5200	7.29	≤17	PASS
	Ant2	5200	7.16	≤17	PASS
	Ant1	5240	7.57	≤17	PASS
	Ant2	5240	7.81	≤17	PASS
	Ant1	5745	6.88	≤30	PASS
	Ant2	5745	7.32	≤30	PASS
	Ant1	5785	7.24	≤30	PASS
	Ant2	5785	7.35	≤30	PASS
	Ant1	5825	7.44	≤30	PASS
	Ant2	5825	7.16	≤30	PASS
11N40SISO	Ant1	5190	5.52	≤17	PASS
	Ant2	5190	5.35	≤17	PASS
	Ant1	5230	5.91	≤17	PASS
	Ant2	5230	5.7	≤17	PASS
	Ant1	5755	5.28	≤30	PASS
	Ant2	5755	5.3	≤30	PASS
	Ant1	5795	5.57	≤30	PASS
	Ant2	5795	5.45	≤30	PASS
11AC20MIMO	Ant1	5180	7.84	≤17	PASS
	Ant2	5180	7.43	≤17	PASS
	total	5180	10.65	≤17	PASS
	Ant1	5200	7.51	≤17	PASS
	Ant2	5200	7.38	≤17	PASS
	total	5200	10.46	≤17	PASS
	Ant1	5240	7.64	≤17	PASS
	Ant2	5240	7.84	≤17	PASS
	total	5240	10.75	≤17	PASS
	Ant1	5745	7.17	≤30	PASS
	Ant2	5745	7.54	≤30	PASS
	total	5745	10.37	≤30	PASS
	Ant1	5785	7.37	≤30	PASS
	Ant2	5785	7.6	≤30	PASS
	total	5785	10.50	≤30	PASS
	Ant1	5825	7.66	≤30	PASS
	Ant2	5825	7.35	≤30	PASS
	total	5825	10.52	≤30	PASS
11AC40MIMO	Ant1	5190	5.35	≤17	PASS
	Ant2	5190	5.08	≤17	PASS

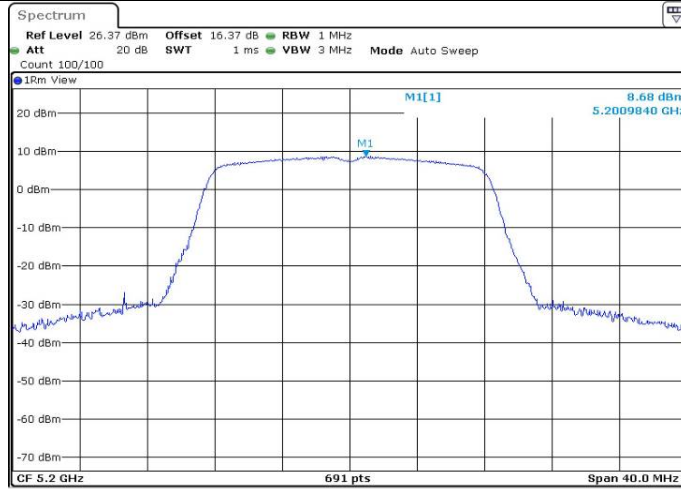
TestMode	Antenna	Channel	Test Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
	total	5190	8.23	≤17	PASS
	Ant1	5230	6.17	≤17	PASS
	Ant2	5230	5.7	≤17	PASS
	total	5230	8.95	≤17	PASS
	Ant1	5755	5.7	≤30	PASS
	Ant2	5755	5.67	≤30	PASS
	total	5755	8.70	≤30	PASS
	Ant1	5795	5.91	≤30	PASS
	Ant2	5795	5.68	≤30	PASS
	total	5795	8.81	≤30	PASS
11AC80MIMO	Ant1	5210	0.48	≤17	PASS
	Ant2	5210	0.77	≤17	PASS
	total	5210	3.64	≤17	PASS
	Ant1	5775	-3.38	≤30	PASS
	Ant2	5775	-2.94	≤30	PASS
11AX20MIMO	total	5775	-0.14	≤30	PASS
	Ant1	5180	7.59	≤17	PASS
	Ant2	5180	7.43	≤17	PASS
	total	5180	10.52	≤17	PASS
	Ant1	5200	7.48	≤17	PASS
	Ant2	5200	7.22	≤17	PASS
	total	5200	10.36	≤17	PASS
	Ant1	5240	7.51	≤17	PASS
	Ant2	5240	7.71	≤17	PASS
	total	5240	10.62	≤17	PASS
	Ant1	5745	4.55	≤30	PASS
	Ant2	5745	4.52	≤30	PASS
	total	5745	7.55	≤30	PASS
	Ant1	5785	4.32	≤30	PASS
	Ant2	5785	4.83	≤30	PASS
	total	5785	7.59	≤30	PASS
	Ant1	5825	5.09	≤30	PASS
	Ant2	5825	4.45	≤30	PASS
	total	5825	7.79	≤30	PASS
11AX40MIMO	Ant1	5190	5.51	≤17	PASS
	Ant2	5190	4.82	≤17	PASS
	total	5190	8.19	≤17	PASS
	Ant1	5230	5.78	≤17	PASS
	Ant2	5230	5.71	≤17	PASS
	total	5230	8.76	≤17	PASS
	Ant1	5755	2.47	≤30	PASS
	Ant2	5755	2.09	≤30	PASS
	total	5755	5.29	≤30	PASS
	Ant1	5795	2.82	≤30	PASS
	Ant2	5795	2.52	≤30	PASS
	total	5795	5.68	≤30	PASS
11AX80MIMO	Ant1	5210	1.1	≤17	PASS
	Ant2	5210	0.54	≤17	PASS
	total	5210	3.84	≤17	PASS
	Ant1	5775	-0.07	≤30	PASS
	Ant2	5775	-0.17	≤30	PASS
	total	5775	2.89	≤30	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 is compensated in the graph.
3. for AC20/AC40/AC80/AX20/AX40/AX80 mode, EUT support beamforming.
 $\text{Directional gain} = G_{\text{ANT}} + 10 \log(N_{\text{ANT}}/N_{\text{SS}}) \text{ dBi}$
For the worst case, $N_{\text{SS}} = 1$, $\text{Directional gain} = 3 + 10 \log(2/1) \text{ dBi} = 6 \text{ dBi} \leq 6 \text{ dBi}$

Test Graphs



11A_Ant1_5200



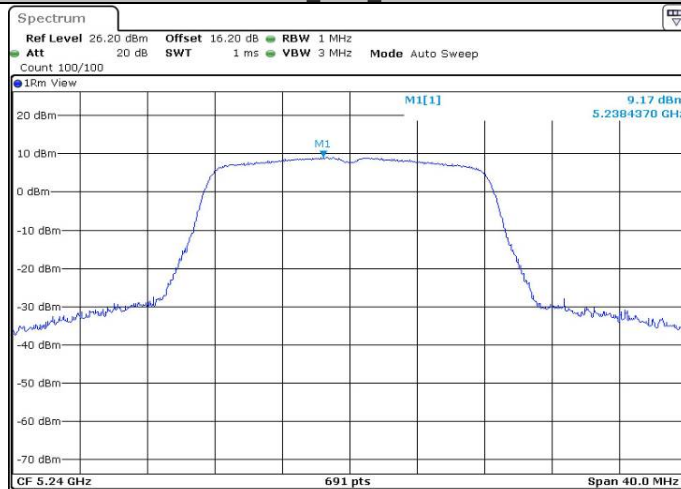
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11A_Ant2_5200



Date: 2.AUG.2021 17:33:54

11A_Ant1_5240



Date: 2.AUG.2021 17:19:58

11A_Ant2_5240



Date: 2.AUG.2021 17:34:28

11A_Ant1_5745



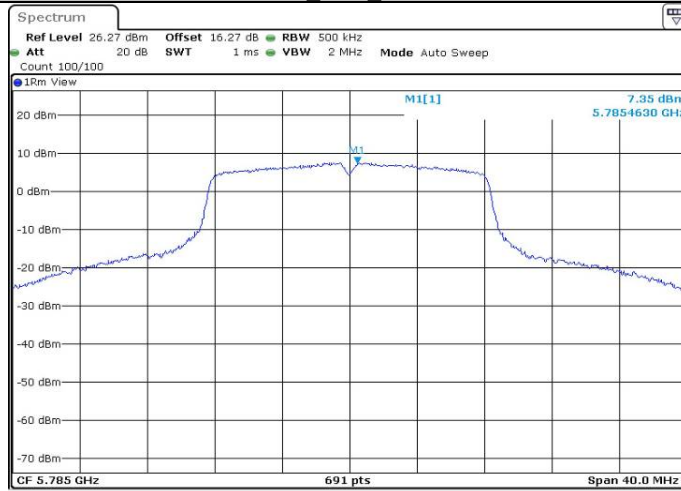
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11A_Ant2_5745



Date: 2.AUG.2021 17:35:39

11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825

