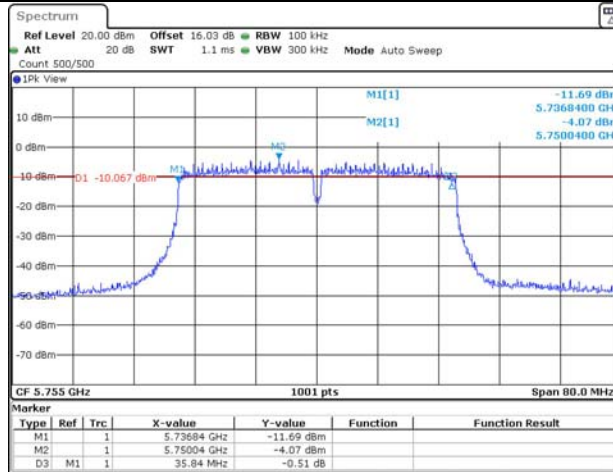
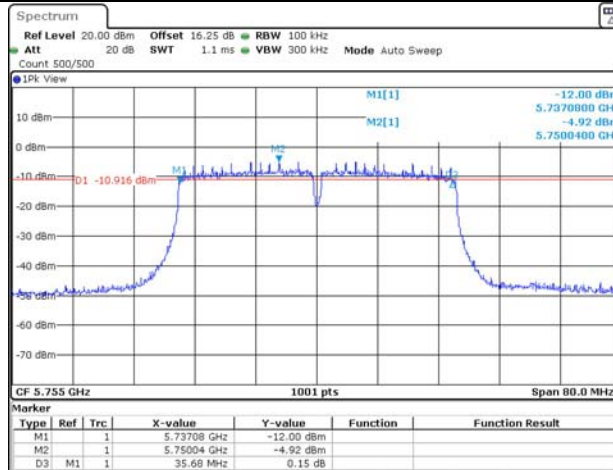


11N40MIMO Ant1_5755



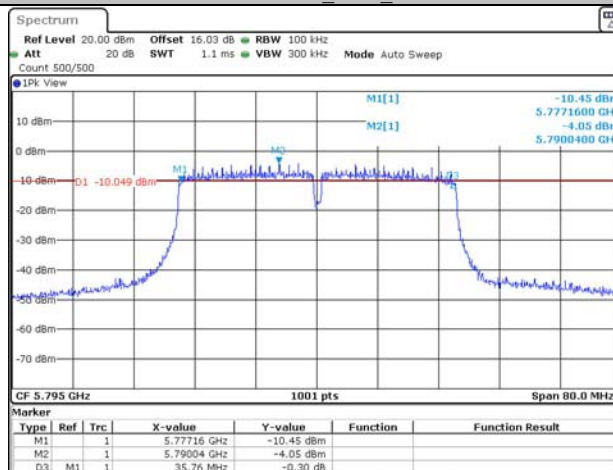
Date: 19.JUL.2021 12:49:40

11N40MIMO Ant0_5755



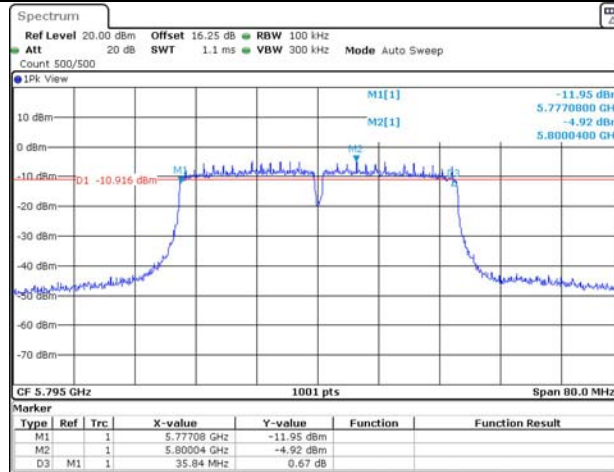
Date: 19.JUL.2021 12:51:10

11N40MIMO Ant1_5795



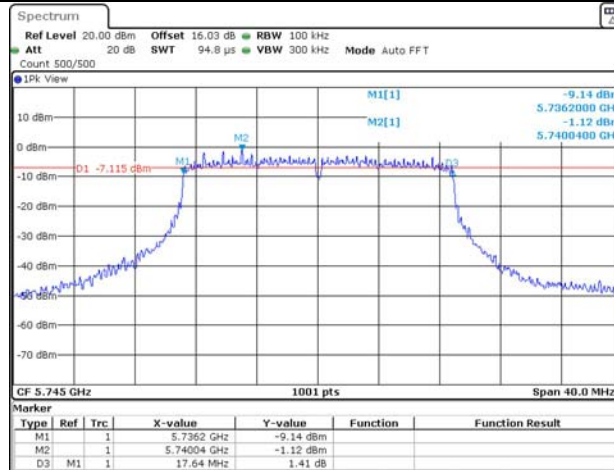
Date: 19.JUL.2021 12:53:56

11N40MIMO_Ant0_5795



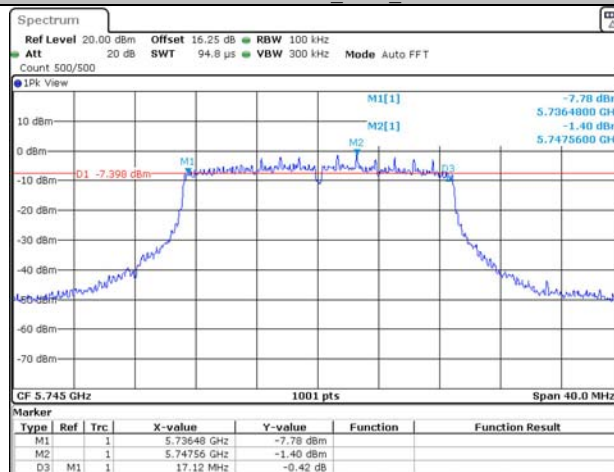
Date: 19.JUL.2021 12:55:05

11AC20MIMO_Ant1_5745



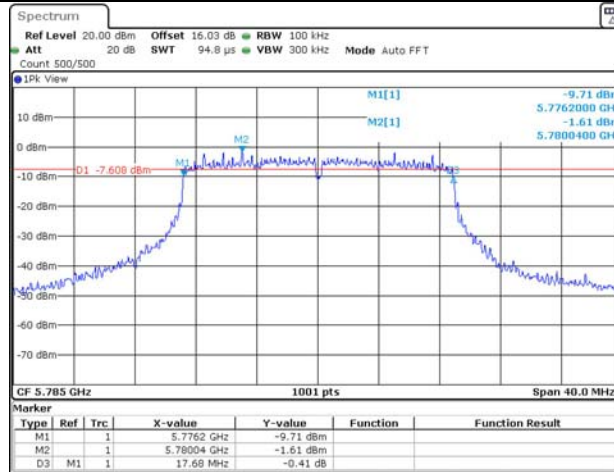
Date: 19.JUL.2021 13:36:31

11AC20MIMO_Ant0_5745



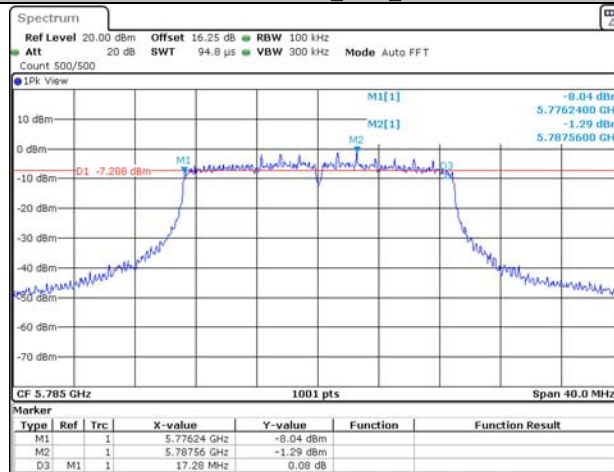
Date: 19.JUL.2021 13:37:37

11AC20MIMO_Ant1_5785



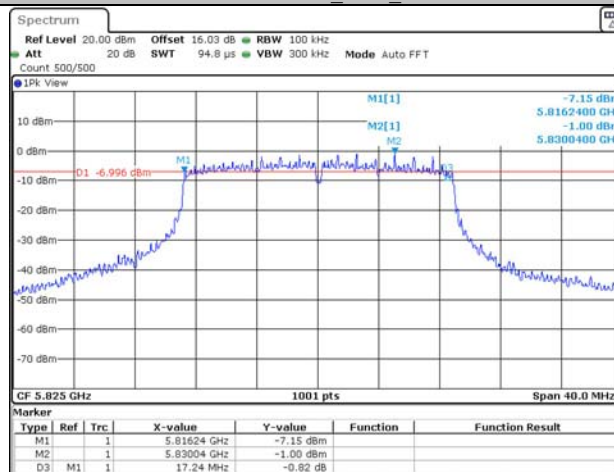
Date: 19.JUL.2021 13:39:25

11AC20MIMO_Ant0_5785



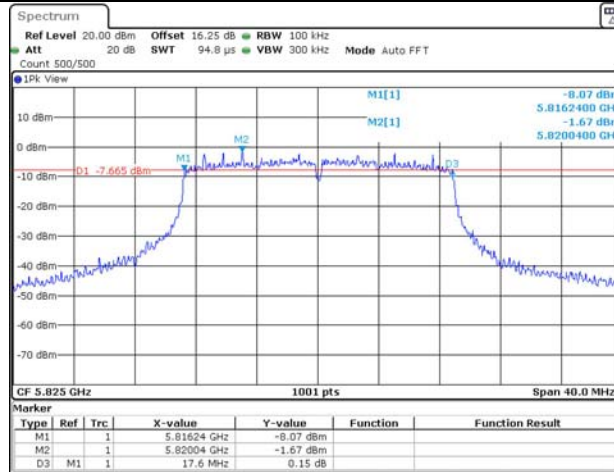
Date: 19.JUL.2021 13:40:31

11AC20MIMO_Ant1_5825



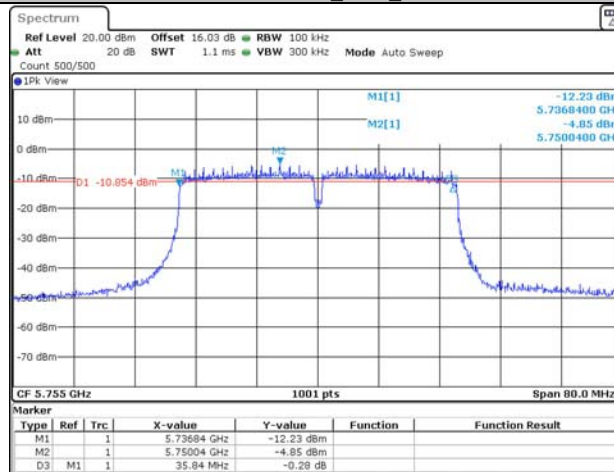
Date: 19.JUL.2021 13:42:26

11AC20MIMO_Ant0_5825



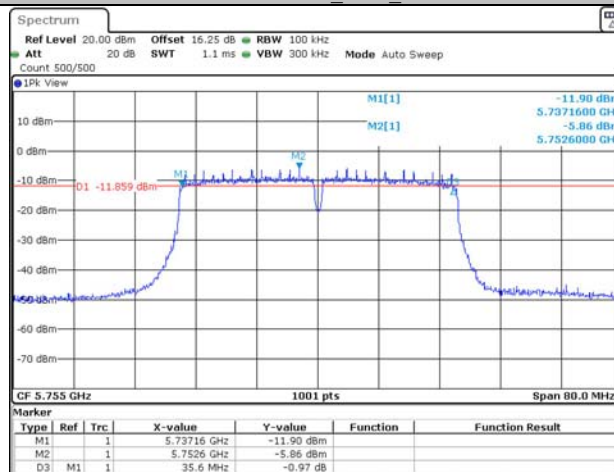
Date: 19.JUL.2021 13:44:20

11AC40MIMO_Ant1_5755



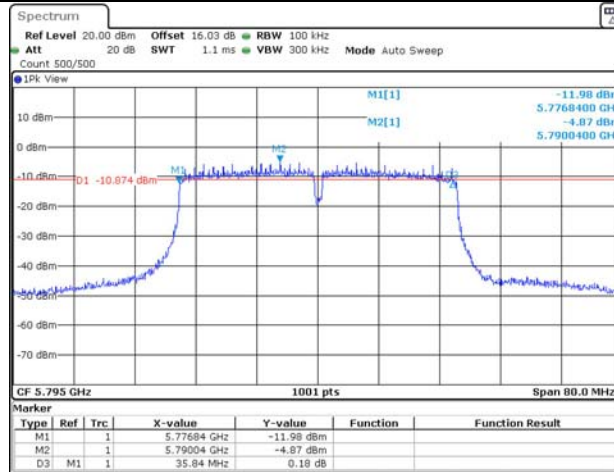
Date: 19.JUL.2021 14:11:54

11AC40MIMO_Ant0_5755



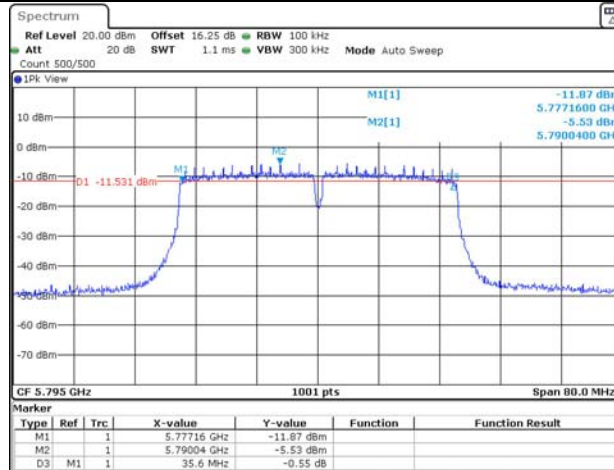
Date: 19.JUL.2021 14:13:02

11AC40MIMO_Ant1_5795



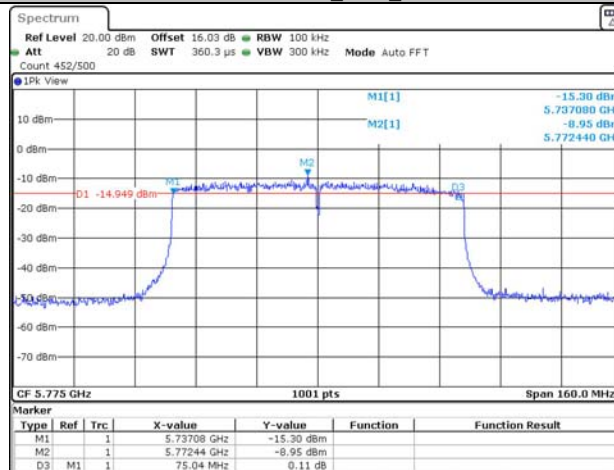
Date: 19.JUL.2021 14:14:59

11AC40MIMO_Ant0_5795



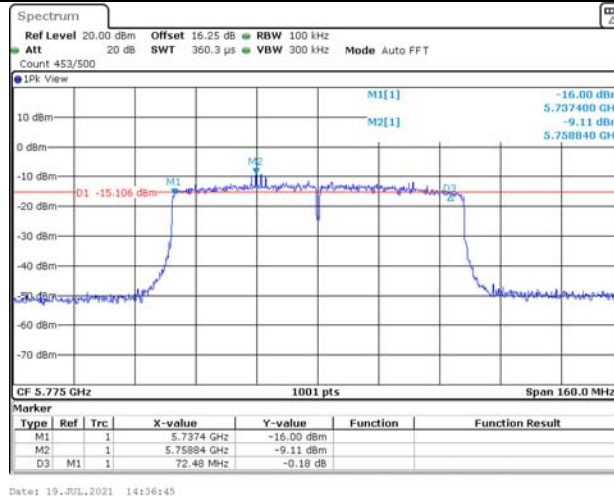
Date: 19.JUL.2021 14:16:08

11AC80MIMO_Ant1_5775

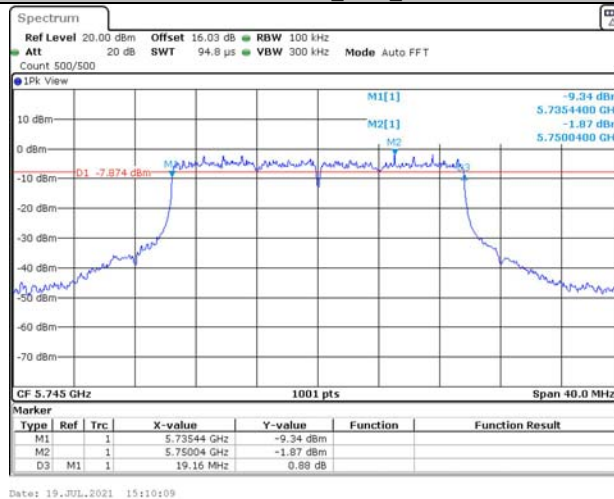


Date: 19.JUL.2021 14:35:38

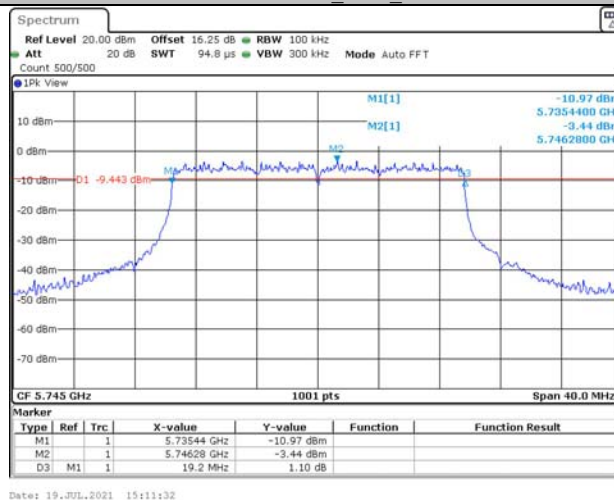
11AC80MIMO_Ant0_5775



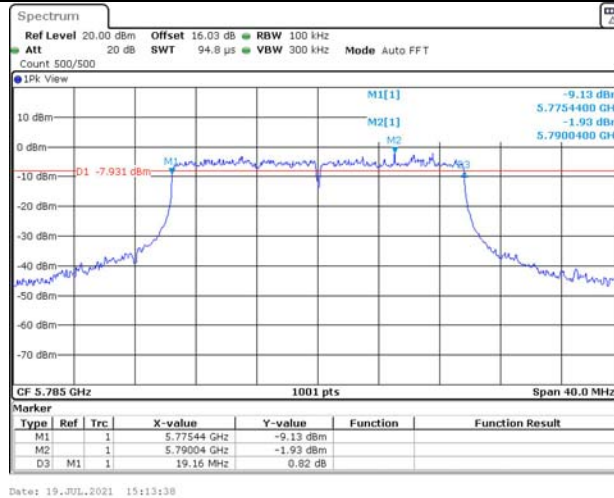
11AX20MIMO_Ant1_5745



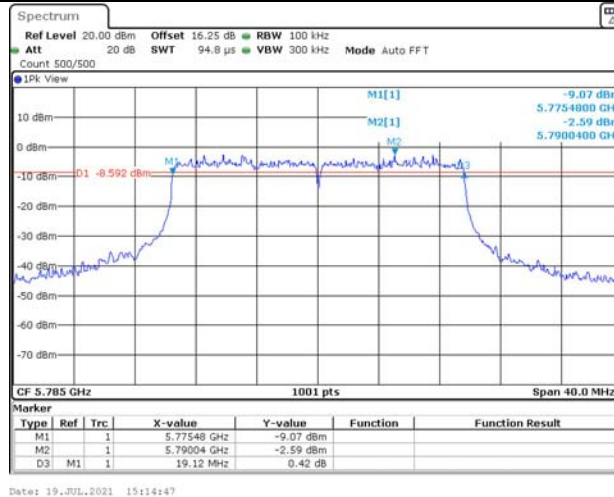
11AX20MIMO_Ant0_5745



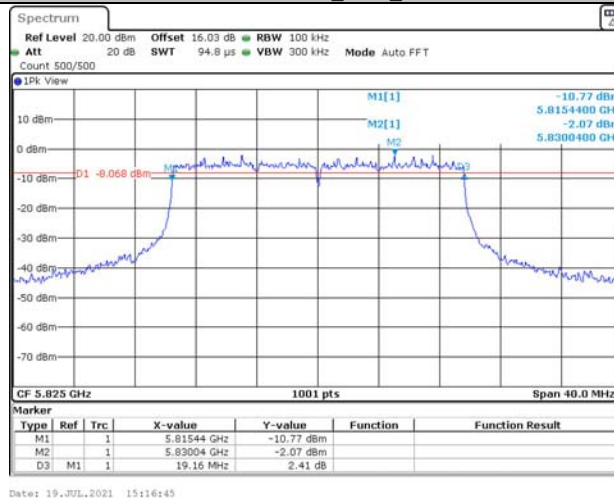
11AX20MIMO Ant1 5785



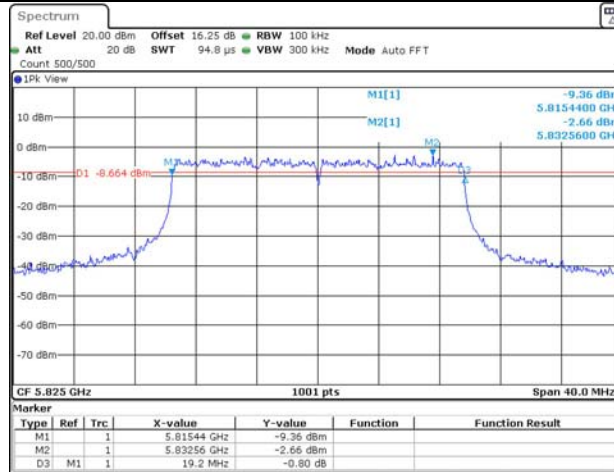
11AX20MIMO Ant0 5785



11AX20MIMO Ant1 5825

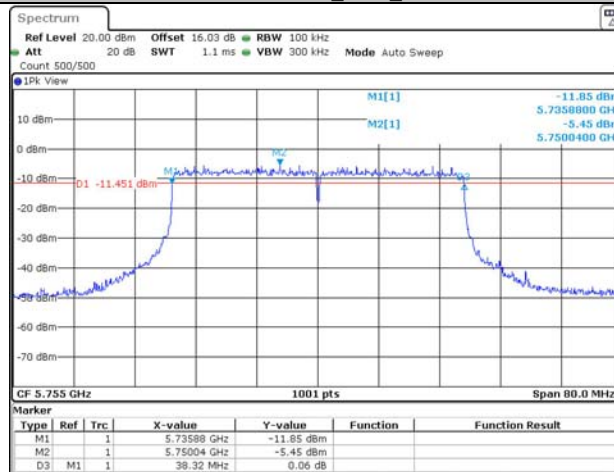


11AX20MIMO Ant0 5825



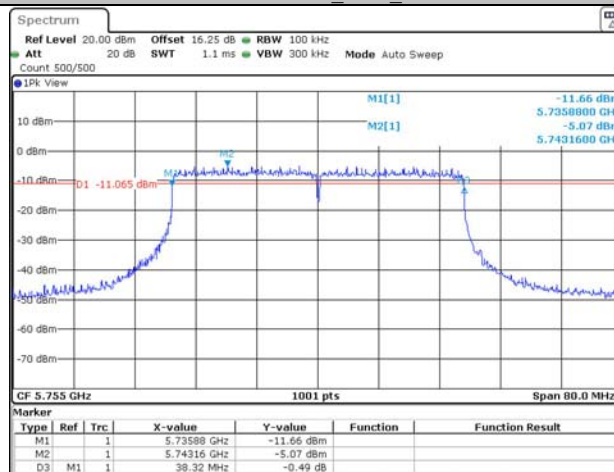
Date: 19.JUL.2021 15:17:51

11AX40MIMO Ant1 5755



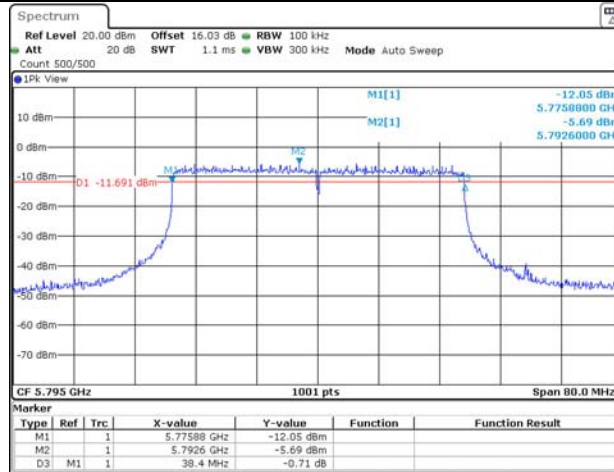
Date: 19.JUL.2021 16:18:21

11AX40MIMO Ant0 5755



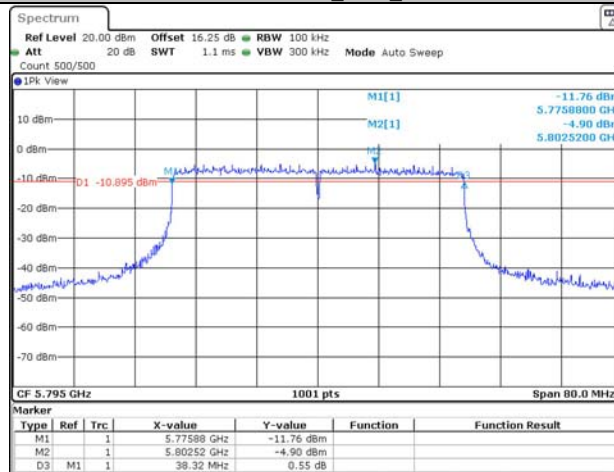
Date: 19.JUL.2021 16:19:29

11AX40MIMO Ant1 5795



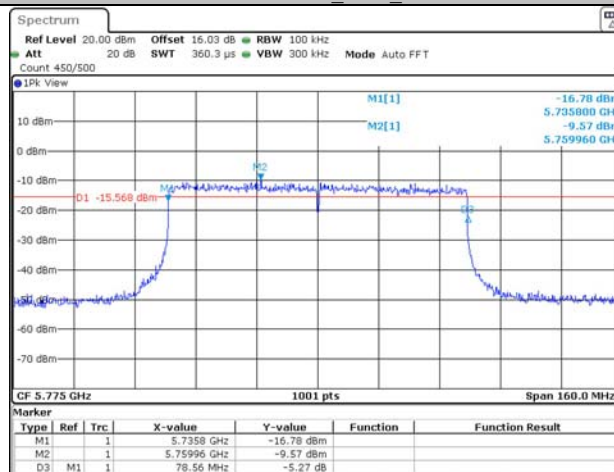
Date: 19.JUL.2021 16:21:18

11AX40MIMO Ant0 5795

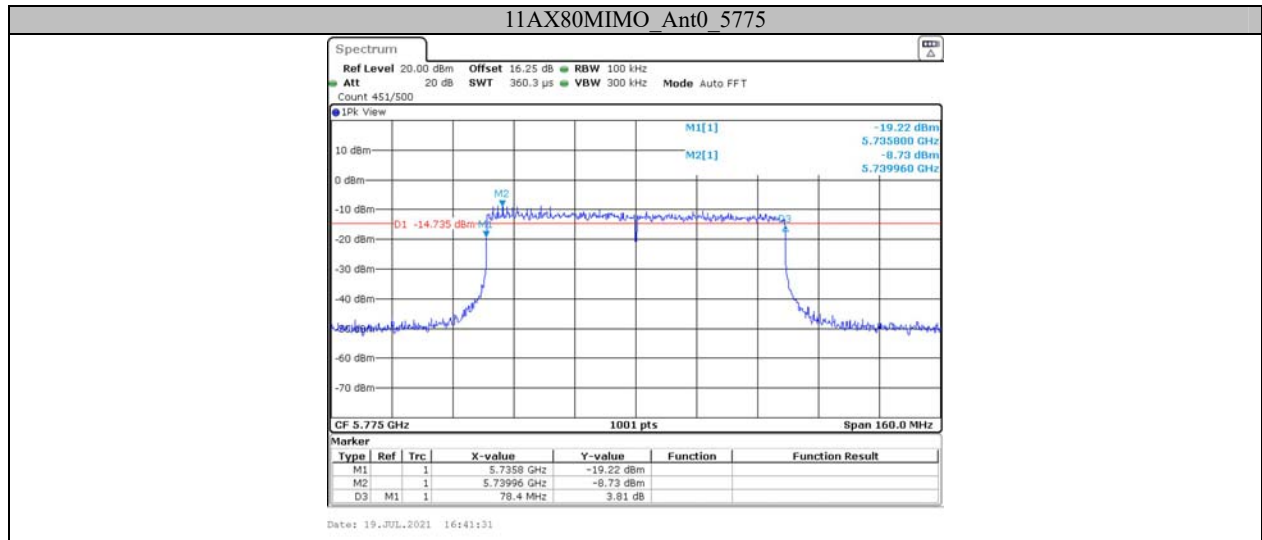


Date: 19.JUL.2021 16:22:31

11AX80MIMO Ant1 5775



Date: 19.JUL.2021 16:40:24



AppendixB: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.68	≤23.98	PASS
	Ant0	5180	14.15	≤23.98	PASS
	Ant1	5200	13.60	≤23.98	PASS
	Ant0	5200	14.76	≤23.98	PASS
	Ant1	5240	13.42	≤23.98	PASS
	Ant0	5240	14.73	≤23.98	PASS
	Ant1	5260	13.36	≤23.80	PASS
	Ant0	5260	14.73	≤23.70	PASS
	Ant1	5280	13.28	≤23.81	PASS
	Ant0	5280	14.73	≤23.72	PASS
	Ant1	5320	13.93	≤23.79	PASS
	Ant0	5320	14.76	≤23.75	PASS
	Ant1	5500	15.56	≤23.80	PASS
	Ant0	5500	15.42	≤23.75	PASS
	Ant1	5600	14.24	≤23.78	PASS
	Ant0	5600	12.88	≤23.75	PASS
	Ant1	5720 UNII-2C	16.16	≤22.58	PASS
	Ant0	5720 UNII-2C	14.42	≤22.57	PASS
	Ant1	5720 UNII-3	9.26	≤30	PASS
	Ant0	5720 UNII-3	7.75	≤30	PASS
	Ant1	5745	11.66	≤30	PASS
	Ant0	5745	10.95	≤30	PASS
	Ant1	5785	11.33	≤30	PASS
	Ant0	5785	11.07	≤30	PASS
	Ant1	5825	11.12	≤30	PASS
	Ant0	5825	11.16	≤30	PASS
11N20MIMO	Ant1	5180	10.50	≤23.98	PASS
	Ant0	5180	12.66	≤23.98	PASS
	total	5180	14.7	≤23.98	PASS
	Ant1	5200	10.62	≤23.98	PASS
	Ant0	5200	12.73	≤23.98	PASS
	total	5200	14.8	≤23.98	PASS
	Ant1	5240	10.44	≤23.98	PASS
	Ant0	5240	12.63	≤23.98	PASS
	total	5240	14.7	≤23.98	PASS
	Ant1	5260	10.34	≤23.97	PASS
	Ant0	5260	12.67	≤23.96	PASS
	total	5260	14.7	≤23.96	PASS
	Ant1	5280	10.41	≤23.98	PASS
	Ant0	5280	12.35	≤23.98	PASS
	total	5280	14.5	≤23.98	PASS
	Ant1	5320	10.16	≤23.98	PASS
	Ant0	5320	12.60	≤23.96	PASS
	total	5320	14.6	≤23.96	PASS
	Ant1	5500	11.78	≤23.97	PASS
	Ant0	5500	12.50	≤23.95	PASS
	total	5500	15.2	≤23.95	PASS
	Ant1	5600	12.08	≤23.97	PASS
	Ant0	5600	10.73	≤23.98	PASS
	total	5600	14.5	≤23.97	PASS
	Ant1	5720 UNII-2C	14.56	≤22.71	PASS
	Ant0	5720 UNII-2C	12.38	≤22.71	PASS
	total	5720 UNII-2C	16.6	≤22.71	PASS
	Ant1	5720 UNII-3	7.90	≤30	PASS

	Ant0	5720 UNII-3	5.87	≤30	PASS
	total	5720 UNII-3	10.0	≤30	PASS
	Ant1	5745	11.46	≤30	PASS
	Ant0	5745	10.90	≤30	PASS
	total	5745	14.2	≤30	PASS
	Ant1	5785	11.18	≤30	PASS
	Ant0	5785	10.93	≤30	PASS
	total	5785	14.1	≤30	PASS
	Ant1	5825	11.02	≤30	PASS
	Ant0	5825	11.00	≤30	PASS
11N40MIMO	total	5825	14.0	≤30	PASS
	Ant1	5190	12.11	≤23.98	PASS
	Ant0	5190	14.33	≤23.98	PASS
	total	5190	16.4	≤23.98	PASS
	Ant1	5230	11.99	≤23.98	PASS
	Ant0	5230	14.03	≤23.98	PASS
	total	5230	16.1	≤23.98	PASS
	Ant1	5270	11.91	≤23.98	PASS
	Ant0	5270	14.06	≤23.98	PASS
	total	5270	16.1	≤23.98	PASS
	Ant1	5310	11.82	≤23.98	PASS
	Ant0	5310	14.23	≤23.98	PASS
	total	5310	16.2	≤23.98	PASS
	Ant1	5510	13.28	≤23.98	PASS
	Ant0	5510	13.99	≤23.98	PASS
	total	5510	16.7	≤23.98	PASS
	Ant1	5550	13.69	≤23.98	PASS
	Ant0	5550	13.72	≤23.98	PASS
	total	5550	16.7	≤23.98	PASS
	Ant1	5710 UNII-2C	16.62	≤23.98	PASS
	Ant0	5710 UNII-2C	14.25	≤23.98	PASS
	total	5710 UNII-2C	18.6	≤23.98	PASS
	Ant1	5710 UNII-3	5.09	≤30	PASS
	Ant0	5710 UNII-3	2.85	≤30	PASS
	total	5710 UNII-3	7.1	≤30	PASS
	Ant1	5755	11.00	≤30	PASS
	Ant0	5755	10.64	≤30	PASS
	total	5755	13.8	≤30	PASS
	Ant1	5795	10.75	≤30	PASS
	Ant0	5795	10.62	≤30	PASS
	total	5795	13.7	≤30	PASS
11AC20MIMO	Ant1	5180	10.65	≤23.98	PASS
	Ant0	5180	12.76	≤23.98	PASS
	total	5180	14.8	≤23.98	PASS
	Ant1	5200	10.65	≤23.98	PASS
	Ant0	5200	12.66	≤23.98	PASS
	total	5200	14.8	≤23.98	PASS
	Ant1	5240	10.49	≤23.98	PASS
	Ant0	5240	12.62	≤23.98	PASS
	total	5240	14.7	≤23.98	PASS
	Ant1	5260	10.48	≤23.98	PASS
	Ant0	5260	12.61	≤23.93	PASS
	total	5260	14.7	≤23.93	PASS
	Ant1	5280	10.49	≤23.94	PASS
	Ant0	5280	12.45	≤23.94	PASS
	total	5280	14.6	≤23.94	PASS
	Ant1	5320	10.15	≤23.98	PASS
	Ant0	5320	12.63	≤23.98	PASS
	total	5320	14.6	≤23.98	PASS
	Ant1	5500	11.77	≤23.91	PASS
	Ant0	5500	12.53	≤23.98	PASS

	total	5500	15.2	≤23.91	PASS
	Ant1	5600	12.10	≤23.98	PASS
	Ant0	5600	10.80	≤23.94	PASS
	total	5600	14.5	≤23.94	PASS
	Ant1	5720 UNII-2C	14.70	≤22.73	PASS
	Ant0	5720 UNII-2C	12.41	≤22.84	PASS
	total	5720 UNII-2C	16.7	≤22.73	PASS
	Ant1	5720 UNII-3	8.11	≤30	PASS
	Ant0	5720 UNII-3	5.96	≤30	PASS
	total	5720 UNII-3	10.2	≤30	PASS
	Ant1	5745	11.59	≤30	PASS
	Ant0	5745	10.84	≤30	PASS
	total	5745	14.2	≤30	PASS
	Ant1	5785	11.08	≤30	PASS
	Ant0	5785	10.96	≤30	PASS
	total	5785	14.0	≤30	PASS
	Ant1	5825	11.03	≤30	PASS
	Ant0	5825	11.02	≤30	PASS
	total	5825	14.0	≤30	PASS
11AC40MIMO	Ant1	5190	11.29	≤23.98	PASS
	Ant0	5190	13.43	≤23.98	PASS
	total	5190	15.5	≤23.98	PASS
	Ant1	5230	11.25	≤23.98	PASS
	Ant0	5230	13.14	≤23.98	PASS
	total	5230	15.3	≤23.98	PASS
	Ant1	5270	11.05	≤23.98	PASS
	Ant0	5270	13.22	≤23.98	PASS
	total	5270	15.3	≤23.98	PASS
	Ant1	5310	10.95	≤23.98	PASS
	Ant0	5310	13.26	≤23.98	PASS
	total	5310	15.3	≤23.98	PASS
	Ant1	5510	12.50	≤23.98	PASS
	Ant0	5510	13.05	≤23.98	PASS
	total	5510	15.8	≤23.98	PASS
	Ant1	5550	12.79	≤23.98	PASS
	Ant0	5550	12.74	≤23.98	PASS
	total	5550	15.8	≤23.98	PASS
	Ant1	5710 UNII-2C	15.81	≤23.98	PASS
	Ant0	5710 UNII-2C	13.41	≤23.98	PASS
	total	5710 UNII-2C	17.8	≤23.98	PASS
	Ant1	5710 UNII-3	4.28	≤30	PASS
	Ant0	5710 UNII-3	2.00	≤30	PASS
	total	5710 UNII-3	6.3	≤30	PASS
	Ant1	5755	10.09	≤30	PASS
	Ant0	5755	9.62	≤30	PASS
	total	5755	12.9	≤30	PASS
	Ant1	5795	9.95	≤30	PASS
	Ant0	5795	9.69	≤30	PASS
	total	5795	12.8	≤30	PASS
11AC80MIMO	Ant1	5210	9.98	≤23.98	PASS
	Ant0	5210	11.86	≤23.98	PASS
	total	5210	14.0	≤23.98	PASS
	Ant1	5290	9.65	≤23.98	PASS
	Ant0	5290	12.09	≤23.98	PASS
	total	5290	14.0	≤23.98	PASS
	Ant1	5530	11.57	≤23.98	PASS
	Ant0	5530	11.91	≤23.98	PASS
	total	5530	14.8	≤23.98	PASS
	Ant1	5610	11.48	≤23.98	PASS
	Ant0	5610	10.11	≤23.98	PASS
	total	5610	13.9	≤23.98	PASS

	Ant1	5690 UNII-2C	15.18	≤ 23.98	PASS
	Ant0	5690 UNII-2C	12.66	≤ 23.98	PASS
	total	5690 UNII-2C	17.1	≤ 23.98	PASS
	Ant1	5690 UNII-3	-0.48	≤ 30	PASS
	Ant0	5690 UNII-3	-2.88	≤ 30	PASS
	total	5690 UNII-3	1.5	≤ 30	PASS
	Ant1	5775	9.94	≤ 30	PASS
	Ant0	5775	9.38	≤ 30	PASS
	total	5775	12.7	≤ 30	PASS
11AX20MIMO	Ant1	5180	10.06	≤ 23.98	PASS
	Ant0	5180	12.24	≤ 23.98	PASS
	total	5180	14.3	≤ 23.98	PASS
	Ant1	5200	10.12	≤ 23.98	PASS
	Ant0	5200	12.16	≤ 23.98	PASS
	total	5200	14.3	≤ 23.98	PASS
	Ant1	5240	9.96	≤ 23.98	PASS
	Ant0	5240	12.07	≤ 23.98	PASS
	total	5240	14.2	≤ 23.98	PASS
	Ant1	5260	9.88	≤ 23.98	PASS
	Ant0	5260	12.10	≤ 23.98	PASS
	total	5260	14.1	≤ 23.98	PASS
	Ant1	5280	9.79	≤ 23.98	PASS
	Ant0	5280	11.98	≤ 23.98	PASS
	total	5280	14.0	≤ 23.98	PASS
	Ant1	5320	9.70	≤ 23.98	PASS
	Ant0	5320	12.22	≤ 23.98	PASS
	total	5320	14.2	≤ 23.98	PASS
	Ant1	5500	11.24	≤ 23.98	PASS
	Ant0	5500	11.98	≤ 23.98	PASS
	total	5500	14.6	≤ 23.98	PASS
	Ant1	5600	11.79	≤ 23.98	PASS
	Ant0	5600	10.31	≤ 23.98	PASS
	total	5600	14.1	≤ 23.98	PASS
	Ant1	5720 UNII-2C	14.43	≤ 22.92	PASS
	Ant0	5720 UNII-2C	13.15	≤ 23.03	PASS
	total	5720 UNII-2C	16.8	≤ 22.92	PASS
	Ant1	5720 UNII-3	9.35	≤ 30	PASS
	Ant0	5720 UNII-3	8.08	≤ 30	PASS
	total	5720 UNII-3	11.8	≤ 30	PASS
	Ant1	5745	11.07	≤ 30	PASS
	Ant0	5745	10.24	≤ 30	PASS
	total	5745	13.7	≤ 30	PASS
	Ant1	5785	10.60	≤ 30	PASS
	Ant0	5785	10.39	≤ 30	PASS
	total	5785	13.5	≤ 30	PASS
	Ant1	5825	10.45	≤ 30	PASS
	Ant0	5825	10.40	≤ 30	PASS
	total	5825	13.4	≤ 30	PASS
11AX40MIMO	Ant1	5190	11.46	≤ 23.98	PASS
	Ant0	5190	7.33	≤ 23.98	PASS
	total	5190	12.9	≤ 23.98	PASS
	Ant1	5230	11.31	≤ 23.98	PASS
	Ant0	5230	6.64	≤ 23.98	PASS
	total	5230	12.6	≤ 23.98	PASS
	Ant1	5270	11.07	≤ 23.98	PASS
	Ant0	5270	5.04	≤ 23.98	PASS
	total	5270	12.0	≤ 23.98	PASS
	Ant1	5310	11.02	≤ 23.98	PASS
	Ant0	5310	4.03	≤ 23.98	PASS
	total	5310	11.8	≤ 23.98	PASS
	Ant1	5510	12.75	≤ 23.98	PASS

	Ant0	5510	14.17	≤ 23.98	PASS
	total	5510	16.5	≤ 23.98	PASS
	Ant1	5550	12.95	≤ 23.98	PASS
	Ant0	5550	14.07	≤ 23.98	PASS
	total	5550	16.6	≤ 23.98	PASS
	Ant1	5710 UNII-2C	16.30	≤ 23.98	PASS
	Ant0	5710 UNII-2C	16.17	≤ 23.98	PASS
	total	5710 UNII-2C	19.2	≤ 23.98	PASS
	Ant1	5710 UNII-3	6.75	≤ 30	PASS
	Ant0	5710 UNII-3	6.61	≤ 30	PASS
	total	5710 UNII-3	9.7	≤ 30	PASS
	Ant1	5755	10.47	≤ 30	PASS
	Ant0	5755	10.92	≤ 30	PASS
	total	5755	13.7	≤ 30	PASS
	Ant1	5795	10.20	≤ 30	PASS
	Ant0	5795	10.71	≤ 30	PASS
	total	5795	13.5	≤ 30	PASS
11AX80MIMO	Ant1	5210	10.15	≤ 23.98	PASS
	Ant0	5210	11.54	≤ 23.98	PASS
	total	5210	13.9	≤ 23.98	PASS
	Ant1	5290	9.85	≤ 23.98	PASS
	Ant0	5290	12.06	≤ 23.98	PASS
	total	5290	14.1	≤ 23.98	PASS
	Ant1	5530	11.61	≤ 23.98	PASS
	Ant0	5530	13.14	≤ 23.98	PASS
	total	5530	15.5	≤ 23.98	PASS
	Ant1	5610	11.52	≤ 23.98	PASS
	Ant0	5610	11.57	≤ 23.98	PASS
	total	5610	14.6	≤ 23.98	PASS
	Ant1	5690 UNII-2C	15.71	≤ 23.98	PASS
	Ant0	5690 UNII-2C	15.27	≤ 23.98	PASS
	total	5690 UNII-2C	18.5	≤ 23.98	PASS
	Ant1	5690 UNII-3	2.41	≤ 30	PASS
	Ant0	5690 UNII-3	2.04	≤ 30	PASS
	total	5690 UNII-3	5.2	≤ 30	PASS
	Ant1	5775	10.02	≤ 30	PASS
	Ant0	5775	10.50	≤ 30	PASS
	total	5775	13.3	≤ 30	PASS

Note: For cross band power test, used Spectrum Analyzer to test, other's for power meter to test.

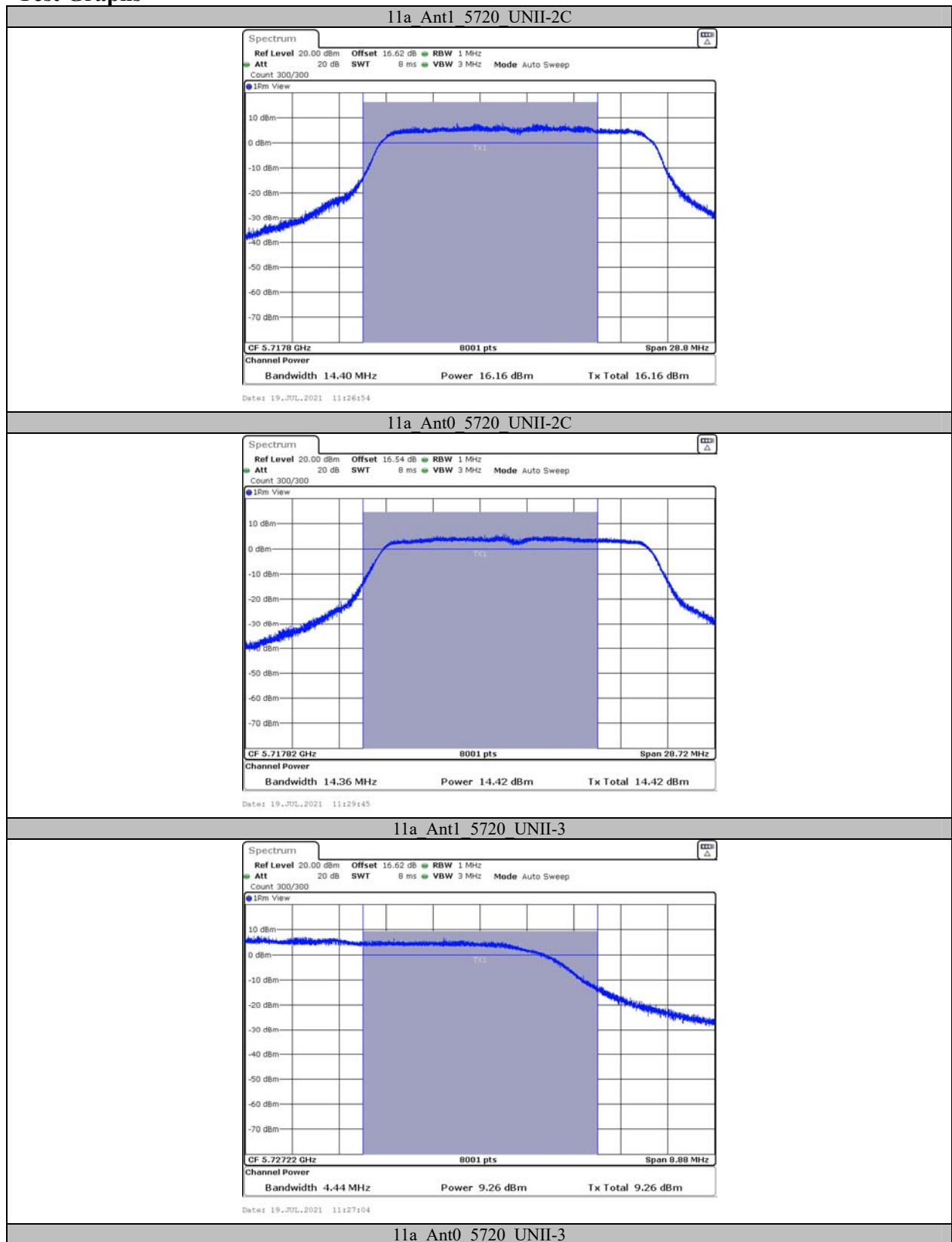
The maximum antenna gain is 0dBi. The device employed cyclic delay diversity (CDD) for Wi-Fi.

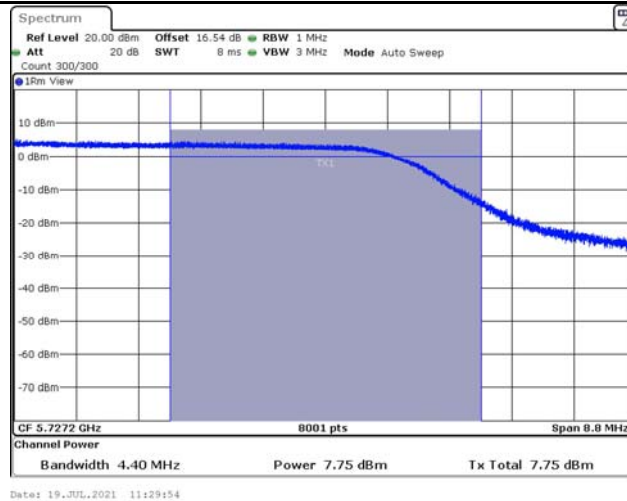
According to KDB 662911 D01 v02r01, for power measurement on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{\text{Ant}} \leq 4$

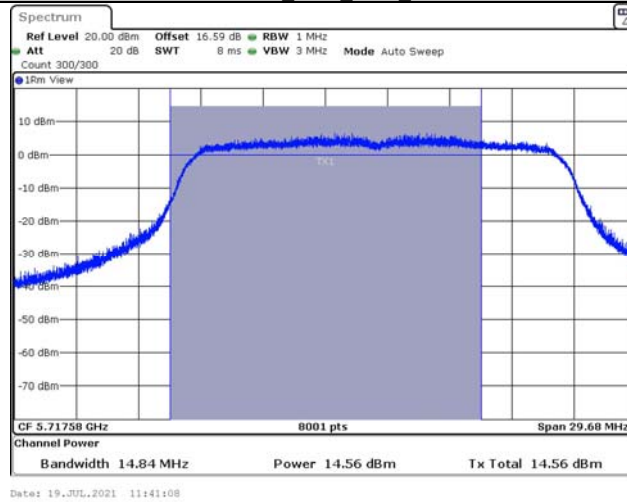
So Directional gain = $G_{\text{ANT}} + \text{Array Gain} = 0\text{dBi} < 6\text{dBi}$

Test Graphs

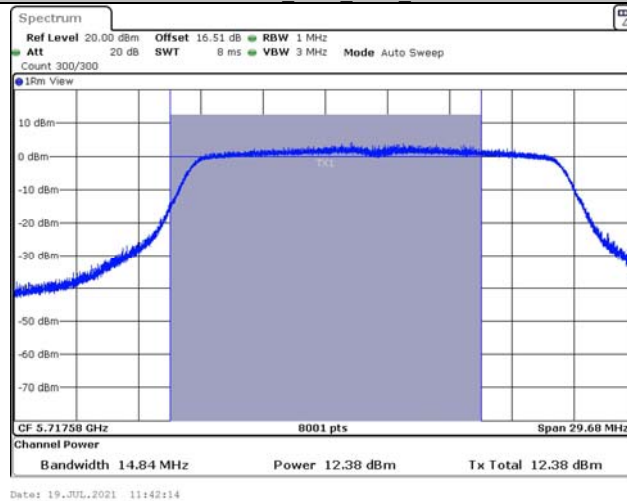


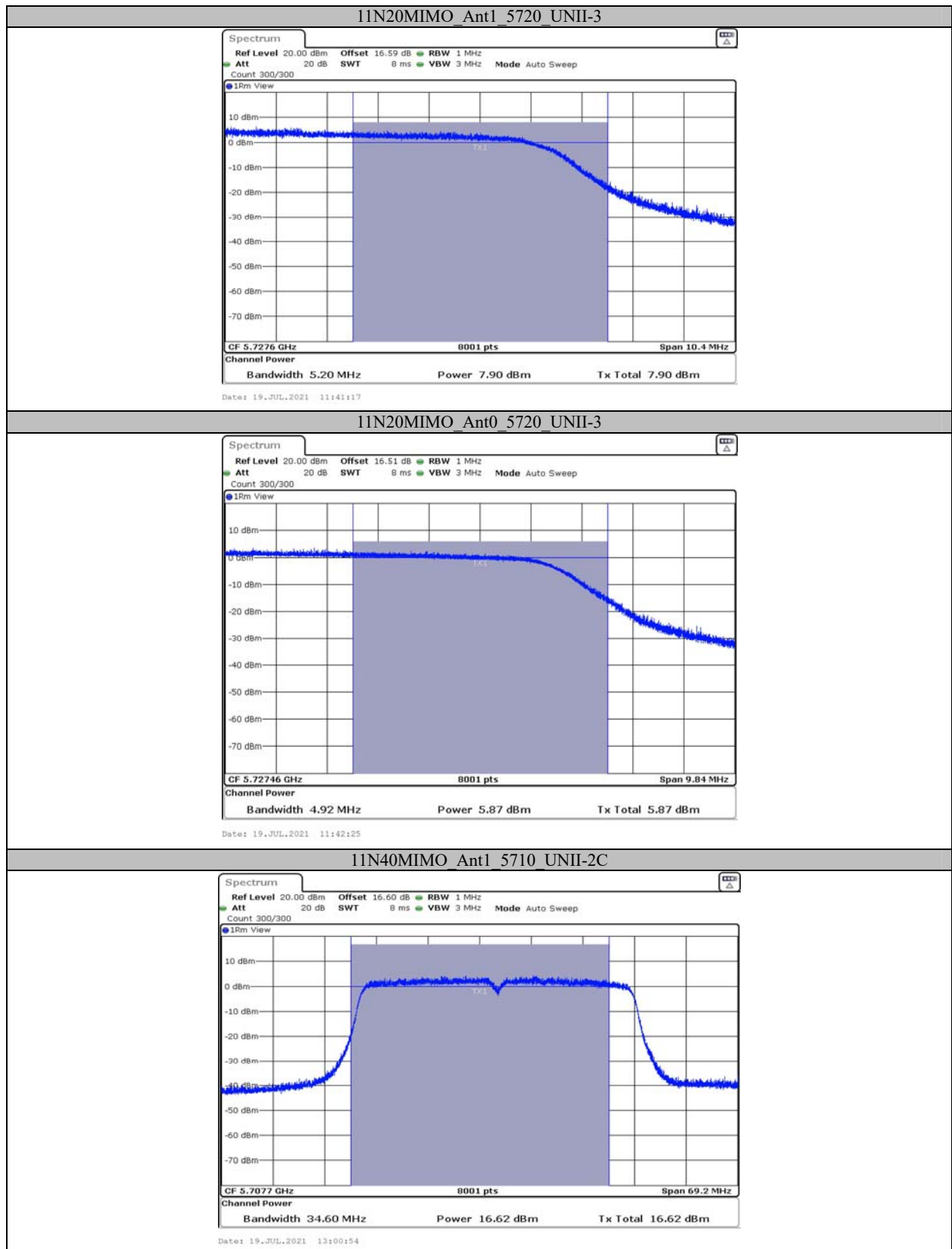


11N20MIMO Ant1 5720 UNII-2C

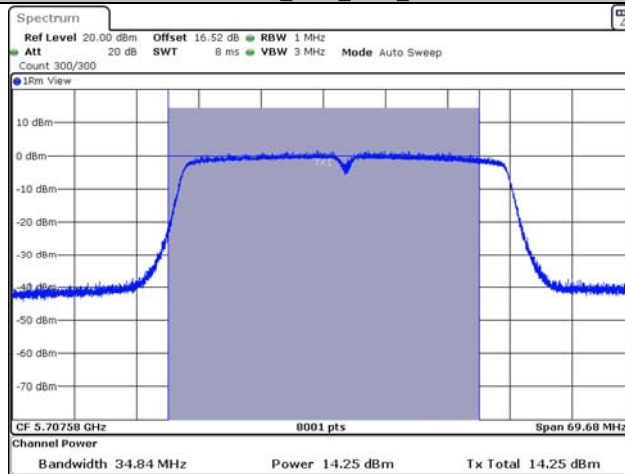


11N20MIMO Ant0 5720 UNII-2C



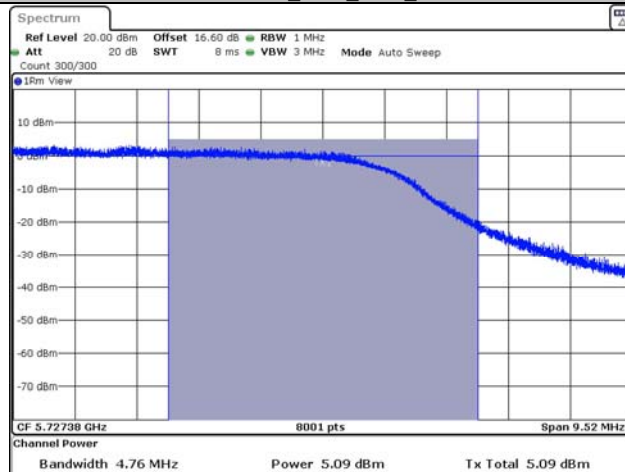


11N40MIMO_Ant0_5710_UNII-2C



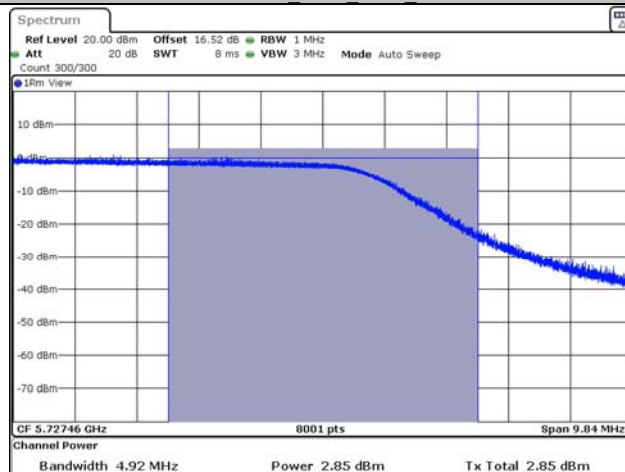
Date: 19_JUL_2021 13:02:02

11N40MIMO_Ant1_5710_UNII-3



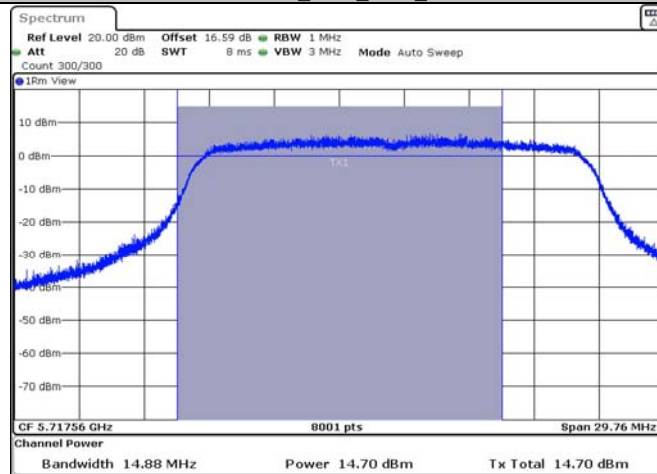
Date: 19_JUL_2021 13:01:04

11N40MIMO_Ant0_5710_UNII-3

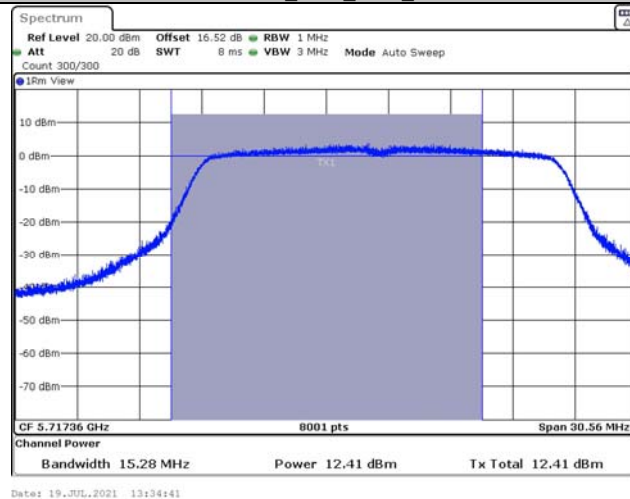


Date: 19_JUL_2021 13:02:13

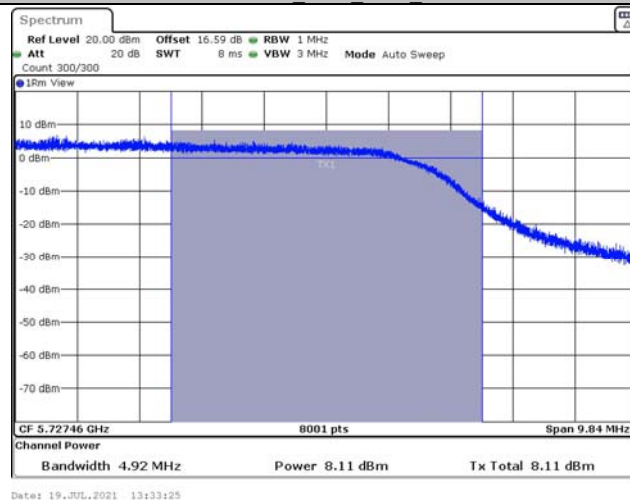
11ac20MIMO_Ant1_5720_UNII-2C



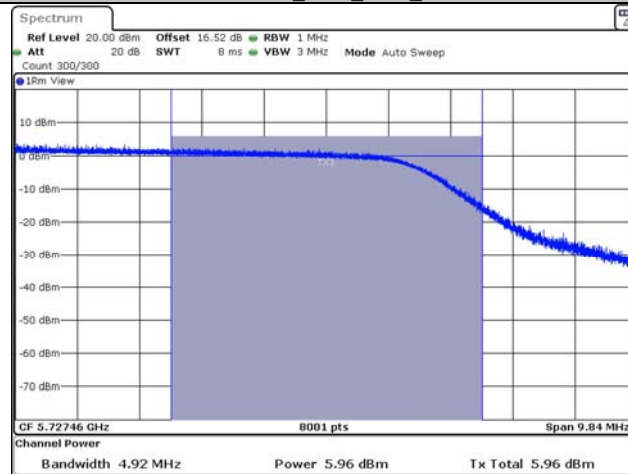
11ac20MIMO_Ant0_5720_UNII-2C



11ac20MIMO_Ant1_5720_UNII-3

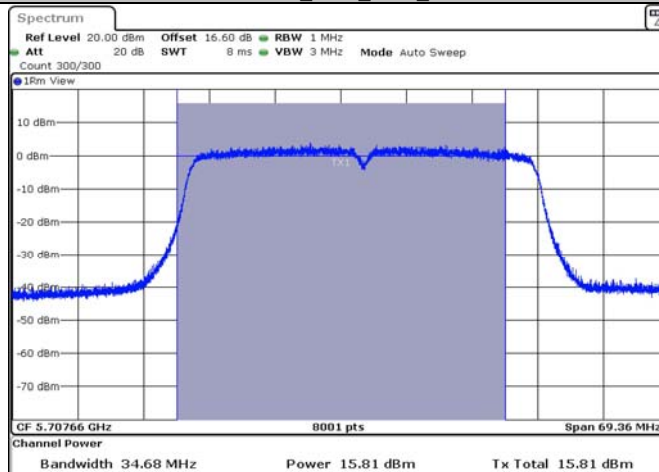


11ac20MIMO_Ant0_5720_UNII-3



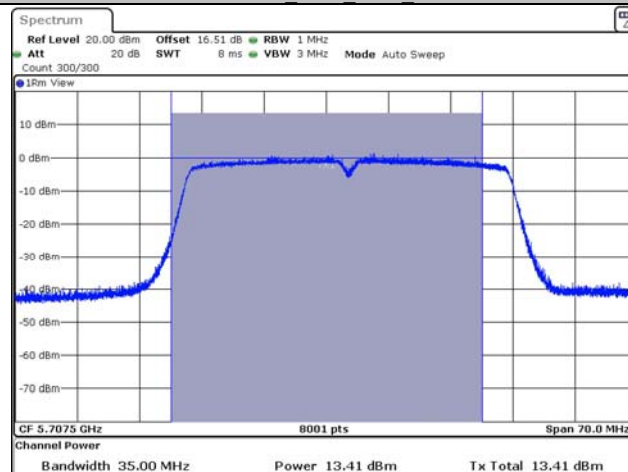
Date: 19_JUL_2021 13:34:52

11ac40MIMO_Ant1_5710_UNII-2C

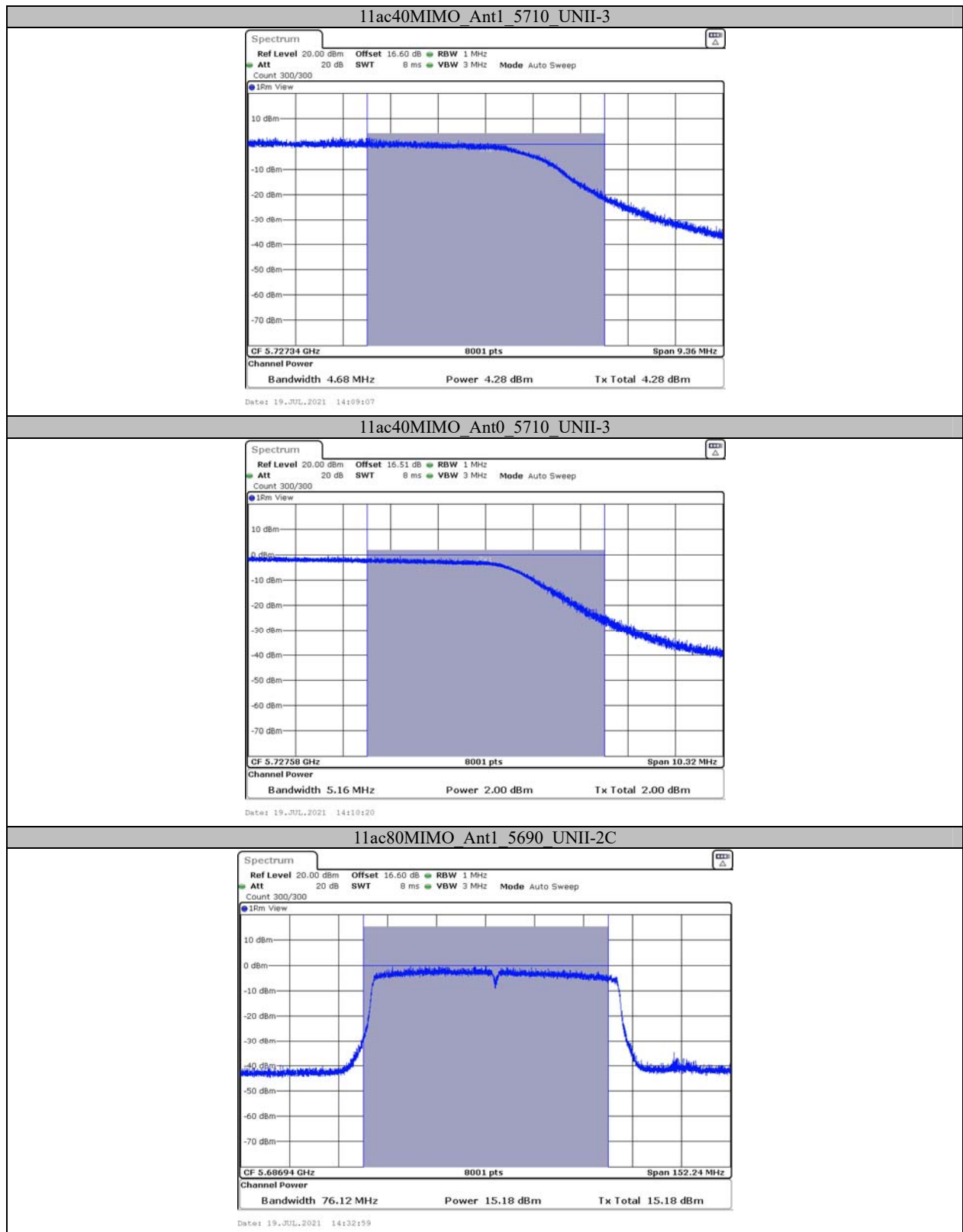


Date: 19_JUL_2021 14:08:57

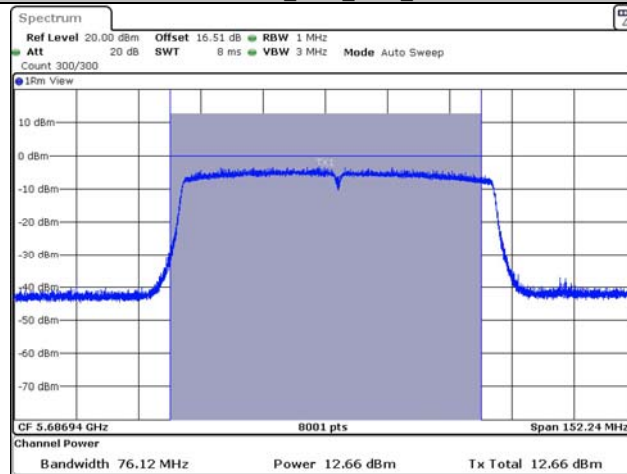
11ac40MIMO_Ant0_5710_UNII-2C



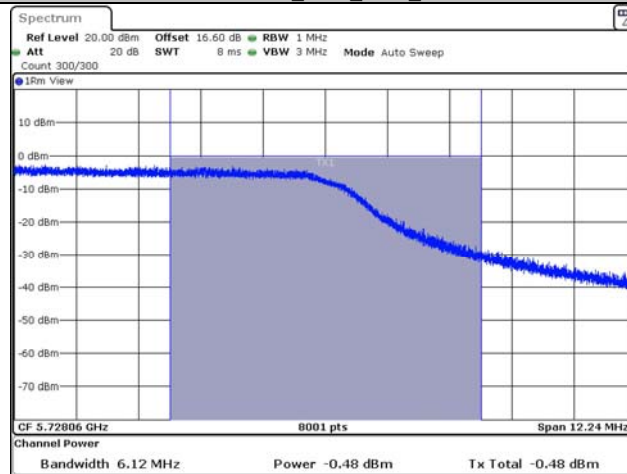
Date: 19_JUL_2021 14:10:09



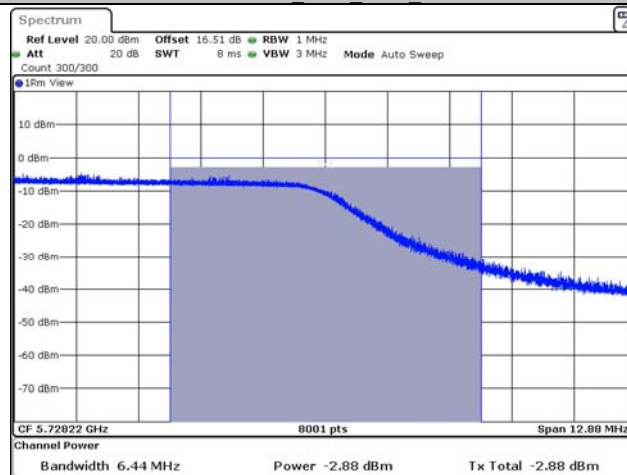
11ac80MIMO_Ant0_5690_UNII-2C



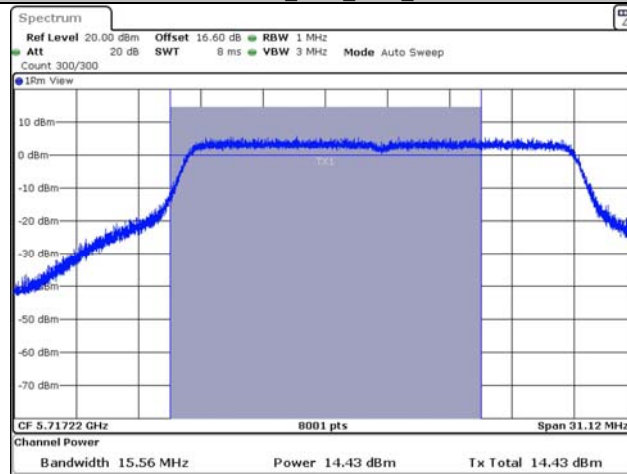
11ac80MIMO_Ant1_5690_UNII-3



11ac80MIMO_Ant0_5690_UNII-3

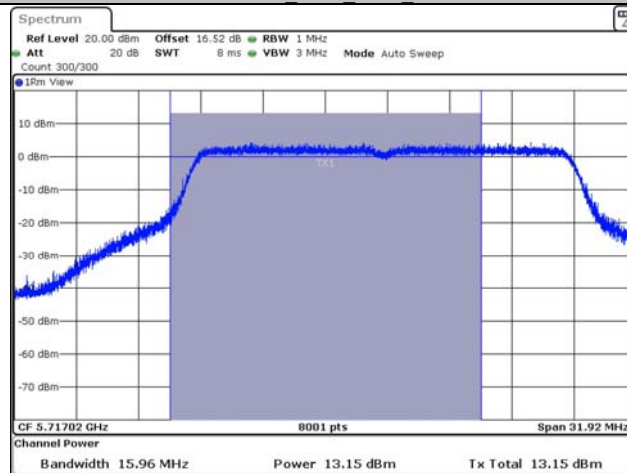


11ax20MIMO Ant1 5720 UNII-2C



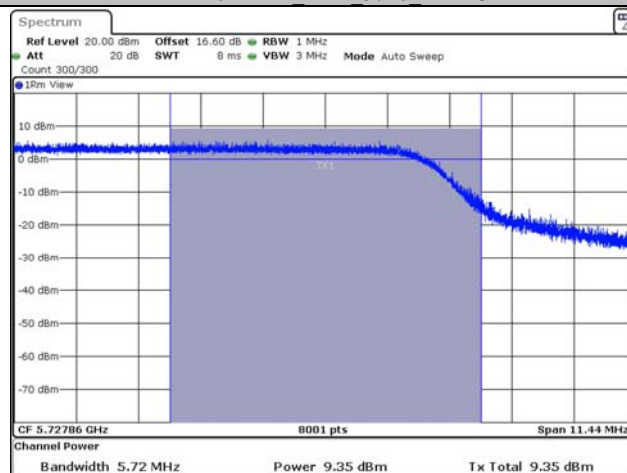
Date: 19_JUL_2021 15:07:17

11ax20MIMO Ant0 5720 UNII-2C

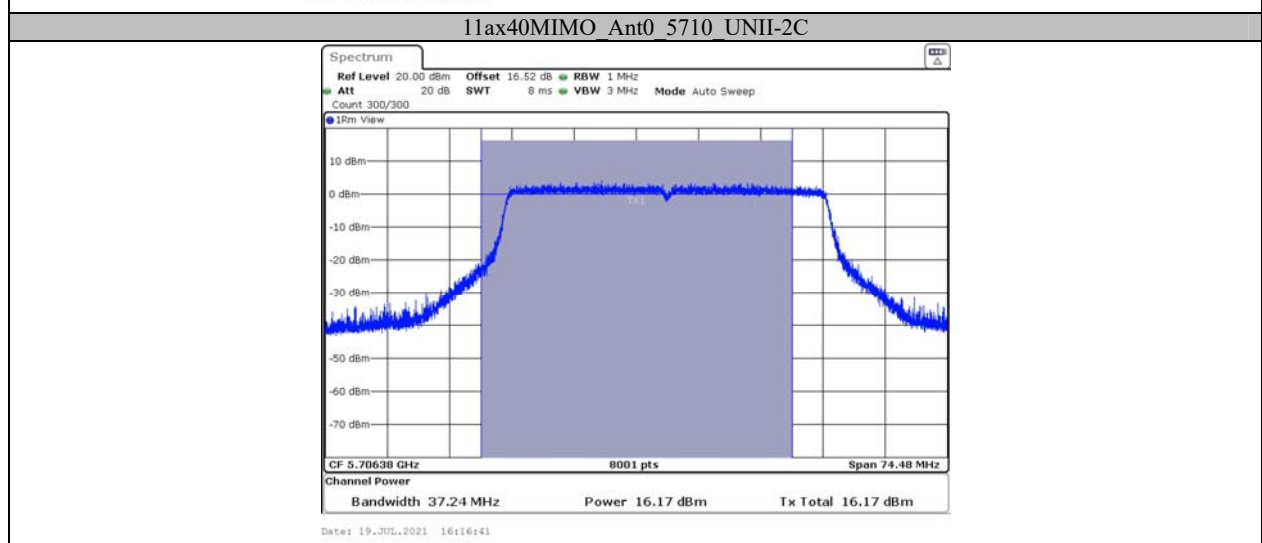
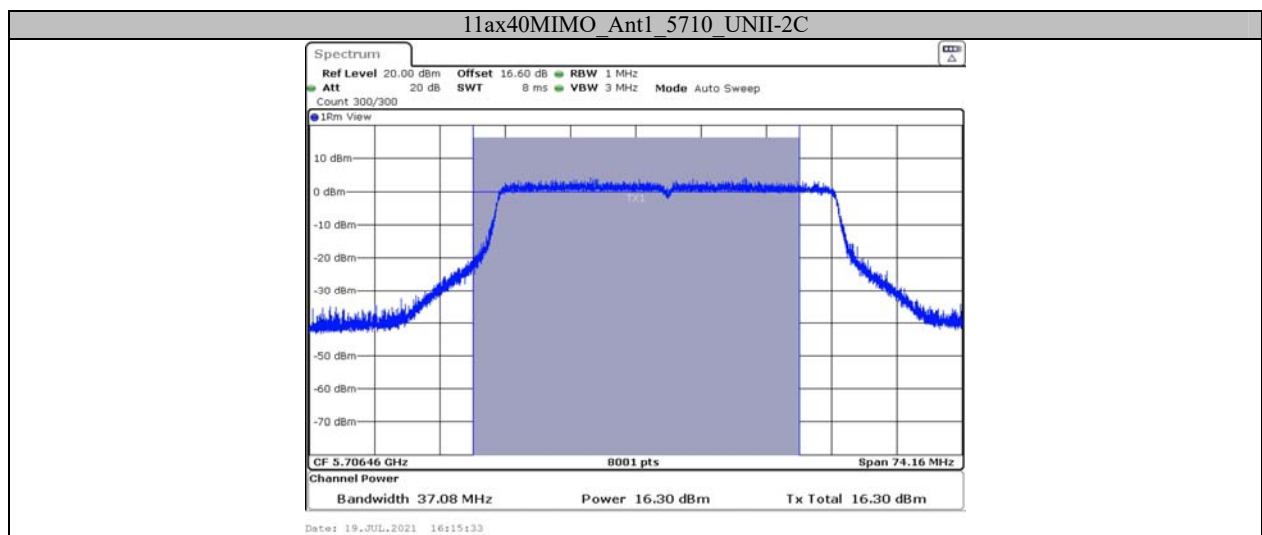
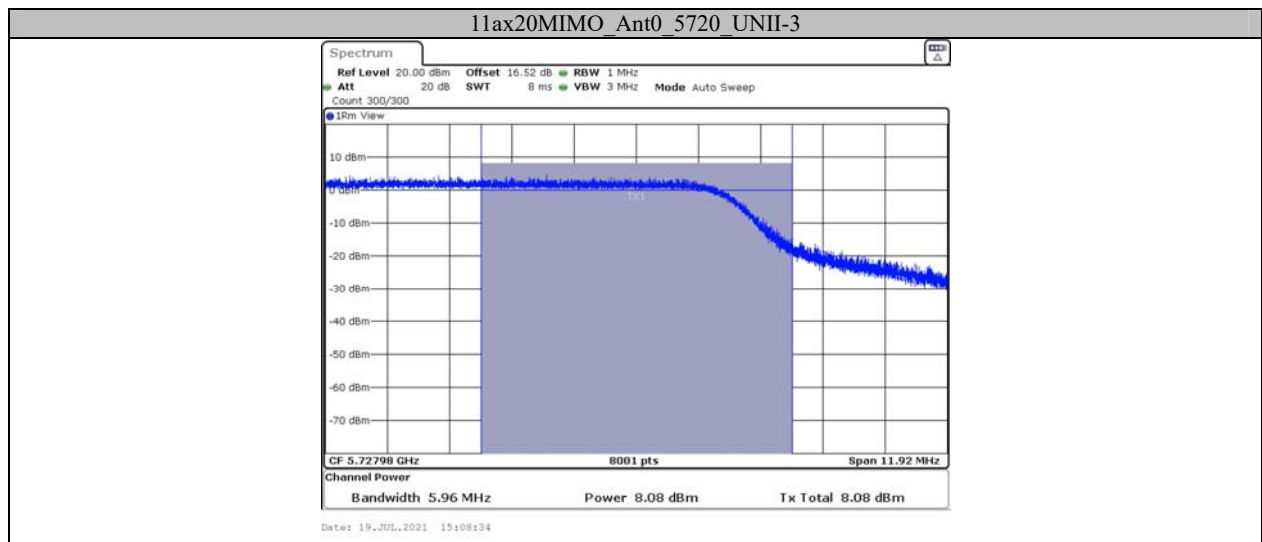


Date: 19_JUL_2021 15:08:24

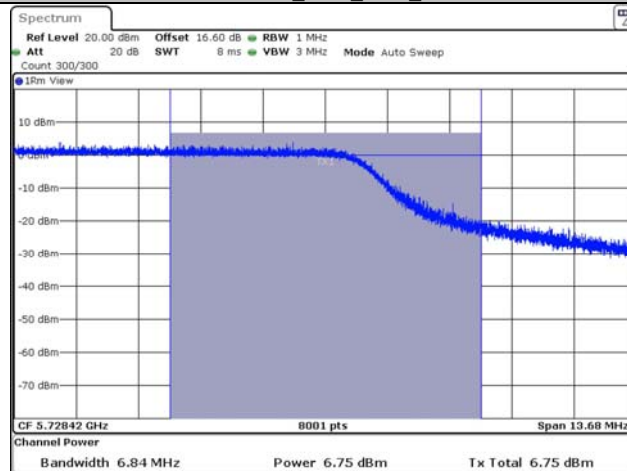
11ax20MIMO Ant1 5720 UNII-3



Date: 19_JUL_2021 15:07:27

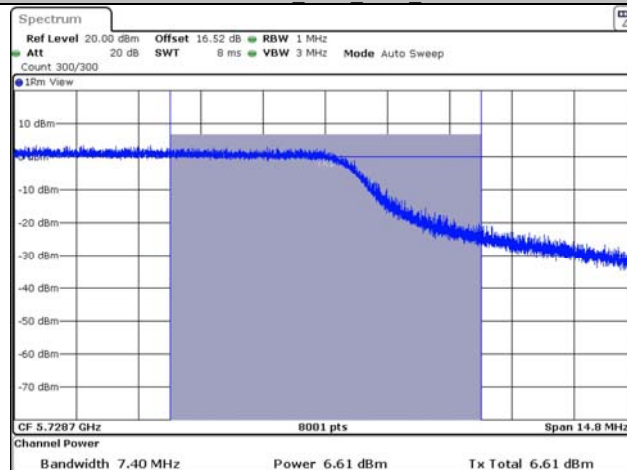


11ax40MIMO_Ant1_5710_UNII-3



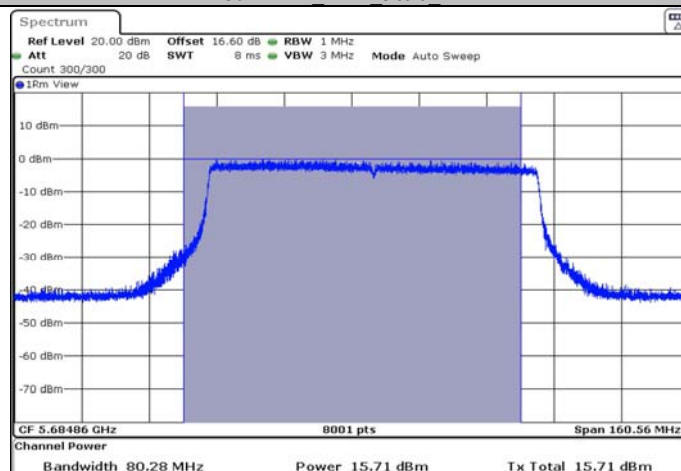
Date: 19_JUL_2021 16:15:43

11ax40MIMO_Ant0_5710_UNII-3



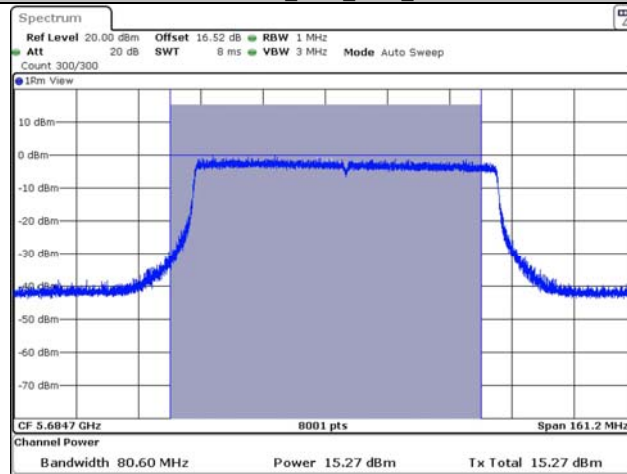
Date: 19_JUL_2021 16:16:52

11ax80MIMO_Ant1_5690_UNII-2C

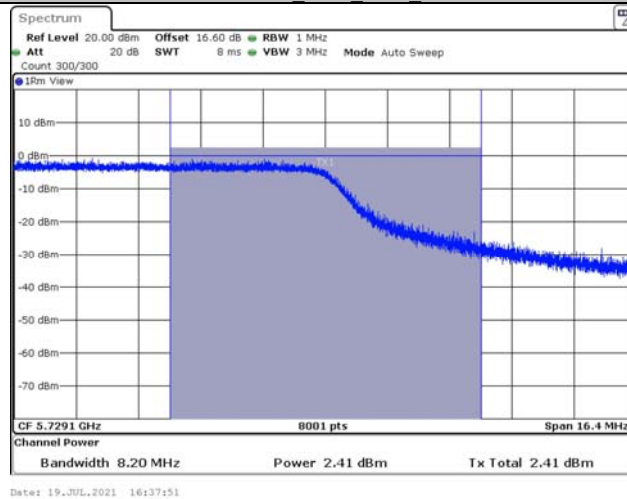


Date: 19_JUL_2021 16:37:41

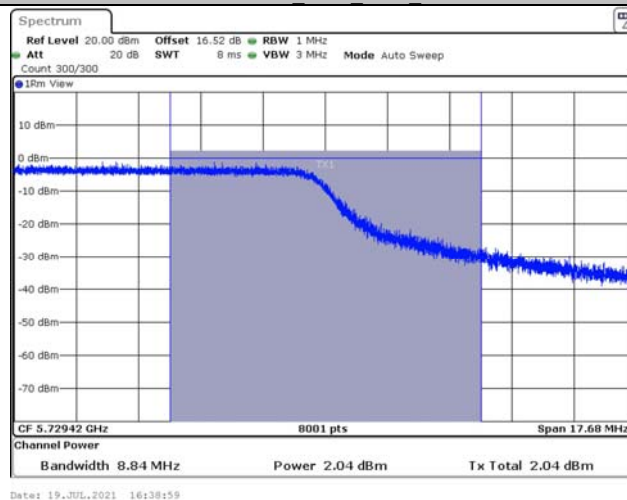
11ax80MIMO_Ant0_5690_UNII-2C



11ax80MIMO_Ant1_5690_UNII-3



11ax80MIMO_Ant0_5690_UNII-3



AppendixC: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	8.1	≤11	PASS
	Ant0	5180	8.97	≤11	PASS
	Ant1	5200	7.94	≤11	PASS
	Ant0	5200	8.23	≤11	PASS
	Ant1	5240	7.8	≤11	PASS
	Ant0	5240	8.25	≤11	PASS
	Ant1	5260	7.99	≤11	PASS
	Ant0	5260	8.11	≤11	PASS
	Ant1	5280	7.98	≤11	PASS
	Ant0	5280	8.41	≤11	PASS
	Ant1	5320	8.9	≤11	PASS
	Ant0	5320	7.78	≤11	PASS
	Ant1	5500	9.66	≤11	PASS
	Ant0	5500	9.05	≤11	PASS
	Ant1	5600	8.95	≤11	PASS
	Ant0	5600	6.09	≤11	PASS
	Ant1	5720 UNII-2C	10.01	≤11	PASS
	Ant0	5720 UNII-2C	9.68	≤11	PASS
	Ant1	5720 UNII-3	3.12	≤30	PASS
	Ant0	5720 UNII-3	1.83	≤30	PASS
	Ant1	5745	3.77	≤30	PASS
	Ant0	5745	2.27	≤30	PASS
	Ant1	5785	3.6	≤30	PASS
	Ant0	5785	2.44	≤30	PASS
	Ant1	5825	3.42	≤30	PASS
	Ant0	5825	3.06	≤30	PASS
11N20MIMO	Ant1	5180	6.38	≤11	PASS
	Ant0	5180	6.33	≤11	PASS
	total	5180	9.37	≤11	PASS
	Ant1	5200	5.93	≤11	PASS
	Ant0	5200	6.46	≤11	PASS
	total	5200	9.21	≤11	PASS
	Ant1	5240	5.78	≤11	PASS
	Ant0	5240	6.02	≤11	PASS
	total	5240	8.91	≤11	PASS
	Ant1	5260	5.29	≤11	PASS
	Ant0	5260	6.58	≤11	PASS
	total	5260	8.99	≤11	PASS
	Ant1	5280	6.54	≤11	PASS
	Ant0	5280	6.5	≤11	PASS
	total	5280	9.53	≤11	PASS
	Ant1	5320	5.41	≤11	PASS
	Ant0	5320	6.49	≤11	PASS
	total	5320	8.99	≤11	PASS
	Ant1	5500	7.14	≤11	PASS
	Ant0	5500	6.23	≤11	PASS
	total	5500	9.72	≤11	PASS
	Ant1	5600	7.67	≤11	PASS
	Ant0	5600	4.21	≤11	PASS
	total	5600	9.29	≤11	PASS
	Ant1	5720 UNII-2C	8.19	≤11	PASS

	Ant0	5720 UNII-2C	6.97	≤11	PASS
	total	5720 UNII-2C	10.63	≤11	PASS
	Ant1	5720 UNII-3	2.09	≤30	PASS
	Ant0	5720 UNII-3	-0.69	≤30	PASS
	total	5720 UNII-3	3.93	≤30	PASS
	Ant1	5745	4.32	≤30	PASS
	Ant0	5745	2.75	≤30	PASS
	total	5745	6.62	≤30	PASS
	Ant1	5785	4.03	≤30	PASS
	Ant0	5785	3.22	≤30	PASS
	total	5785	6.65	≤30	PASS
	Ant1	5825	4.16	≤30	PASS
	Ant0	5825	3.14	≤30	PASS
	total	5825	6.69	≤30	PASS
11N40MIMO	Ant1	5190	3.54	≤11	PASS
	Ant0	5190	4.92	≤11	PASS
	total	5190	7.29	≤11	PASS
	Ant1	5230	4.13	≤11	PASS
	Ant0	5230	4.5	≤11	PASS
	total	5230	7.33	≤11	PASS
	Ant1	5270	3.58	≤11	PASS
	Ant0	5270	4.13	≤11	PASS
	total	5270	6.87	≤11	PASS
	Ant1	5310	3.66	≤11	PASS
	Ant0	5310	4.7	≤11	PASS
	total	5310	7.22	≤11	PASS
	Ant1	5510	4.7	≤11	PASS
	Ant0	5510	4.14	≤11	PASS
	total	5510	7.44	≤11	PASS
	Ant1	5550	5.46	≤11	PASS
	Ant0	5550	3.27	≤11	PASS
	total	5550	7.51	≤11	PASS
	Ant1	5710 UNII-2C	6.34	≤11	PASS
	Ant0	5710 UNII-2C	5.75	≤11	PASS
	total	5710 UNII-2C	9.07	≤11	PASS
	Ant1	5710 UNII-3	-0.15	≤30	PASS
	Ant0	5710 UNII-3	-3.05	≤30	PASS
	total	5710 UNII-3	1.65	≤30	PASS
	Ant1	5755	0.47	≤30	PASS
	Ant0	5755	-1.36	≤30	PASS
	total	5755	2.66	≤30	PASS
	Ant1	5795	0.67	≤30	PASS
	Ant0	5795	-0.96	≤30	PASS
	total	5795	2.94	≤30	PASS
11AC20MIMO	Ant1	5180	5.93	≤11	PASS
	Ant0	5180	6.68	≤11	PASS
	total	5180	9.33	≤11	PASS
	Ant1	5200	6.09	≤11	PASS
	Ant0	5200	6.41	≤11	PASS
	total	5200	9.26	≤11	PASS
	Ant1	5240	5.71	≤11	PASS
	Ant0	5240	6.51	≤11	PASS
	total	5240	9.14	≤11	PASS
	Ant1	5260	5.99	≤11	PASS
	Ant0	5260	6.35	≤11	PASS
	total	5260	9.18	≤11	PASS
	Ant1	5280	6.35	≤11	PASS
	Ant0	5280	6.08	≤11	PASS

	total	5280	9.23	≤11	PASS
	Ant1	5320	5.3	≤11	PASS
	Ant0	5320	6.58	≤11	PASS
	total	5320	9.00	≤11	PASS
	Ant1	5500	7.25	≤11	PASS
	Ant0	5500	6.55	≤11	PASS
	total	5500	9.92	≤11	PASS
	Ant1	5600	7.69	≤11	PASS
	Ant0	5600	4.34	≤11	PASS
	total	5600	9.34	≤11	PASS
	Ant1	5720 UNII-2C	7.99	≤11	PASS
	Ant0	5720 UNII-2C	5.2	≤11	PASS
	total	5720 UNII-2C	9.83	≤11	PASS
	Ant1	5720 UNII-3	1.88	≤30	PASS
	Ant0	5720 UNII-3	-1.01	≤30	PASS
	total	5720 UNII-3	3.68	≤30	PASS
	Ant1	5745	4.71	≤30	PASS
	Ant0	5745	2.66	≤30	PASS
	total	5745	6.82	≤30	PASS
	Ant1	5785	4.4	≤30	PASS
	Ant0	5785	2.49	≤30	PASS
	total	5785	6.56	≤30	PASS
	Ant1	5825	4.41	≤30	PASS
	Ant0	5825	2.9	≤30	PASS
	total	5825	6.73	≤30	PASS
11AC40MIMO	Ant1	5190	3.1	≤11	PASS
	Ant0	5190	3.22	≤11	PASS
	total	5190	6.17	≤11	PASS
	Ant1	5230	3.17	≤11	PASS
	Ant0	5230	3.47	≤11	PASS
	total	5230	6.33	≤11	PASS
	Ant1	5270	2.89	≤11	PASS
	Ant0	5270	3.58	≤11	PASS
	total	5270	6.26	≤11	PASS
	Ant1	5310	2.57	≤11	PASS
	Ant0	5310	3.4	≤11	PASS
	total	5310	6.02	≤11	PASS
	Ant1	5510	4.92	≤11	PASS
	Ant0	5510	3.5	≤11	PASS
	total	5510	7.28	≤11	PASS
	Ant1	5550	5.23	≤11	PASS
	Ant0	5550	2.37	≤11	PASS
	total	5550	7.04	≤11	PASS
	Ant1	5710 UNII-2C	6.69	≤11	PASS
	Ant0	5710 UNII-2C	4.43	≤11	PASS
	total	5710 UNII-2C	8.72	≤11	PASS
	Ant1	5710 UNII-3	-1.64	≤30	PASS
	Ant0	5710 UNII-3	-3.61	≤30	PASS
	total	5710 UNII-3	0.50	≤30	PASS
	Ant1	5755	-0.34	≤30	PASS
	Ant0	5755	-2.2	≤30	PASS
	total	5755	1.84	≤30	PASS
	Ant1	5795	0.02	≤30	PASS
	Ant0	5795	-1.86	≤30	PASS
	total	5795	2.19	≤30	PASS
11AC80MIMO	Ant1	5210	-1.4	≤11	PASS
	Ant0	5210	-0.8	≤11	PASS
	total	5210	1.92	≤11	PASS

	Ant1	5290	-1.39	≤11	PASS
	Ant0	5290	-1.05	≤11	PASS
	total	5290	1.79	≤11	PASS
	Ant1	5530	-0.05	≤11	PASS
	Ant0	5530	-1.35	≤11	PASS
	total	5530	2.36	≤11	PASS
	Ant1	5610	0.02	≤11	PASS
	Ant0	5610	-3.04	≤11	PASS
	total	5610	1.76	≤11	PASS
	Ant1	5690 UNII-2C	4.21	≤11	PASS
	Ant0	5690 UNII-2C	1.38	≤11	PASS
	total	5690 UNII-2C	6.03	≤11	PASS
	Ant1	5690 UNII-3	-6.16	≤30	PASS
	Ant0	5690 UNII-3	-8.82	≤30	PASS
	total	5690 UNII-3	-4.28	≤30	PASS
	Ant1	5775	-4.09	≤30	PASS
	Ant0	5775	-5.51	≤30	PASS
	total	5775	-1.73	≤30	PASS
11AX20MIMO	Ant1	5180	5.32	≤11	PASS
	Ant0	5180	6.79	≤11	PASS
	total	5180	9.13	≤11	PASS
	Ant1	5200	4.59	≤11	PASS
	Ant0	5200	6.33	≤11	PASS
	total	5200	8.56	≤11	PASS
	Ant1	5240	4.68	≤11	PASS
	Ant0	5240	6.49	≤11	PASS
	total	5240	8.69	≤11	PASS
	Ant1	5260	4.86	≤11	PASS
	Ant0	5260	6.74	≤11	PASS
	total	5260	8.91	≤11	PASS
	Ant1	5280	4.67	≤11	PASS
	Ant0	5280	6.78	≤11	PASS
	total	5280	8.86	≤11	PASS
	Ant1	5320	4.11	≤11	PASS
	Ant0	5320	6.86	≤11	PASS
	total	5320	8.71	≤11	PASS
	Ant1	5500	5.72	≤11	PASS
	Ant0	5500	6.58	≤11	PASS
	total	5500	9.18	≤11	PASS
	Ant1	5600	6.82	≤11	PASS
	Ant0	5600	4.96	≤11	PASS
	total	5600	9.00	≤11	PASS
	Ant1	5720 UNII-2C	8.36	≤11	PASS
	Ant0	5720 UNII-2C	7.51	≤11	PASS
	total	5720 UNII-2C	10.97	≤11	PASS
	Ant1	5720 UNII-3	1.58	≤30	PASS
	Ant0	5720 UNII-3	1.19	≤30	PASS
	total	5720 UNII-3	4.40	≤30	PASS
	Ant1	5745	3.53	≤30	PASS
	Ant0	5745	2.86	≤30	PASS
	total	5745	6.22	≤30	PASS
	Ant1	5785	3	≤30	PASS
	Ant0	5785	3.4	≤30	PASS
	total	5785	6.21	≤30	PASS
	Ant1	5825	2.73	≤30	PASS
	Ant0	5825	3.93	≤30	PASS
	total	5825	6.38	≤30	PASS
11AX40MIMO	Ant1	5190	3.03	≤11	PASS

	Ant0	5190	-0.94	≤11	PASS
	total	5190	4.49	≤11	PASS
	Ant1	5230	3.84	≤11	PASS
	Ant0	5230	-1.5	≤11	PASS
	total	5230	4.95	≤11	PASS
	Ant1	5270	2.9	≤11	PASS
	Ant0	5270	-3.4	≤11	PASS
	total	5270	3.81	≤11	PASS
	Ant1	5310	2.46	≤11	PASS
	Ant0	5310	-4.68	≤11	PASS
	total	5310	3.23	≤11	PASS
	Ant1	5510	4.68	≤11	PASS
	Ant0	5510	5.69	≤11	PASS
	total	5510	8.22	≤11	PASS
	Ant1	5550	4.6	≤11	PASS
	Ant0	5550	5.1	≤11	PASS
	total	5550	7.87	≤11	PASS
	Ant1	5710 UNII-2C	6.36	≤11	PASS
	Ant0	5710 UNII-2C	6.2	≤11	PASS
	total	5710 UNII-2C	9.29	≤11	PASS
	Ant1	5710 UNII-3	-0.86	≤30	PASS
	Ant0	5710 UNII-3	-0.8	≤30	PASS
	total	5710 UNII-3	2.18	≤30	PASS
	Ant1	5755	-0.89	≤30	PASS
	Ant0	5755	-0.23	≤30	PASS
	total	5755	2.46	≤30	PASS
	Ant1	5795	-0.35	≤30	PASS
	Ant0	5795	0.22	≤30	PASS
	total	5795	2.95	≤30	PASS
11AX80MIMO	Ant1	5210	-1.54	≤11	PASS
	Ant0	5210	-0.32	≤11	PASS
	total	5210	2.12	≤11	PASS
	Ant1	5290	-1.21	≤11	PASS
	Ant0	5290	0.12	≤11	PASS
	total	5290	2.52	≤11	PASS
	Ant1	5530	0	≤11	PASS
	Ant0	5530	0.89	≤11	PASS
	total	5530	3.48	≤11	PASS
	Ant1	5610	0.25	≤11	PASS
	Ant0	5610	-1.28	≤11	PASS
	total	5610	2.56	≤11	PASS
	Ant1	5690 UNII-2C	4.65	≤11	PASS
	Ant0	5690 UNII-2C	3.38	≤11	PASS
	total	5690 UNII-2C	7.07	≤11	PASS
	Ant1	5690 UNII-3	-5.02	≤30	PASS
	Ant0	5690 UNII-3	-5.84	≤30	PASS
	total	5690 UNII-3	-2.40	≤30	PASS
	Ant1	5775	-2.71	≤30	PASS
	Ant0	5775	-3.24	≤30	PASS
	total	5775	0.04	≤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 and RBW Factor is compensated in the graph.

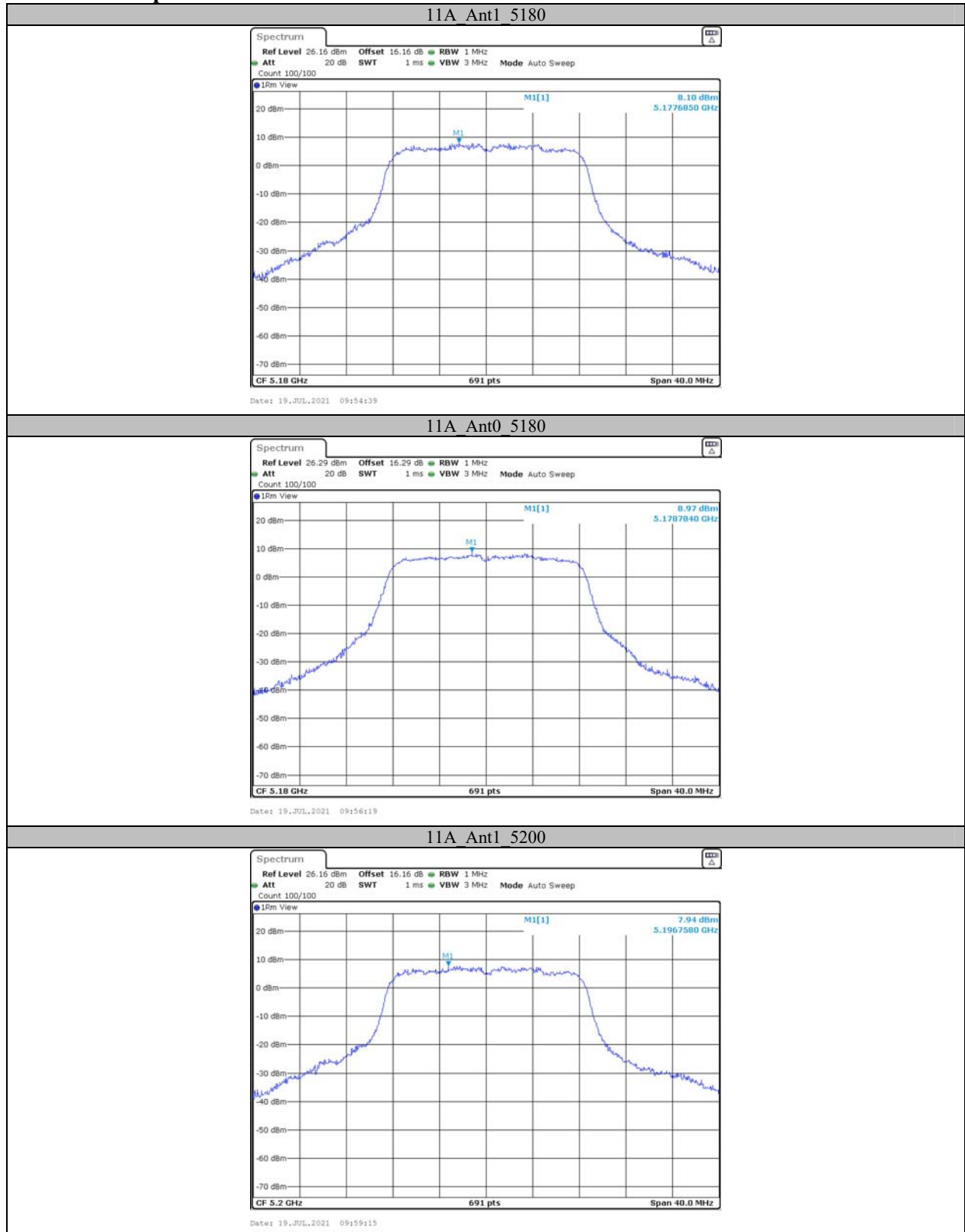
3. The maximum antenna gain is 0dBi. The device employed cyclic delay diversity (CDD) for Wi-Fi.

According to KDB 662911 D01 v02r01, for power spectral density (PSD):

Array Gain = $10 \lg(N_{\text{ANT}}/N_{\text{SS}})$ dB = $10 \lg(2/1)$ = 3

So Directional gain = Gain + Array Gain = 3dBi < 6dBi

Test Graphs



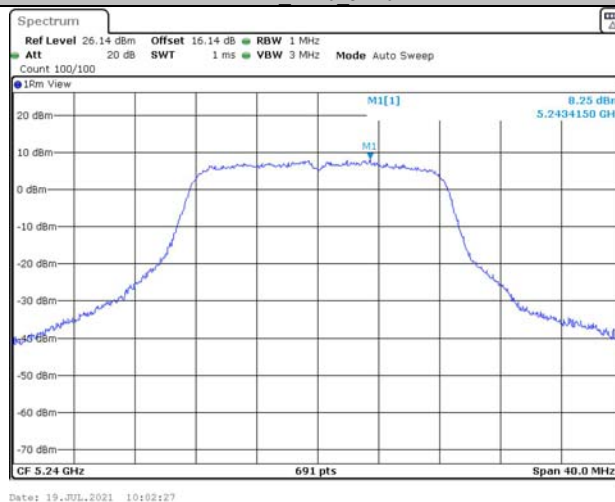
11A_Ant0_5200



11A_Ant1_5240



11A_Ant0_5240



11A_Ant1_5260



11A_Ant0_5260



11A_Ant1_5280



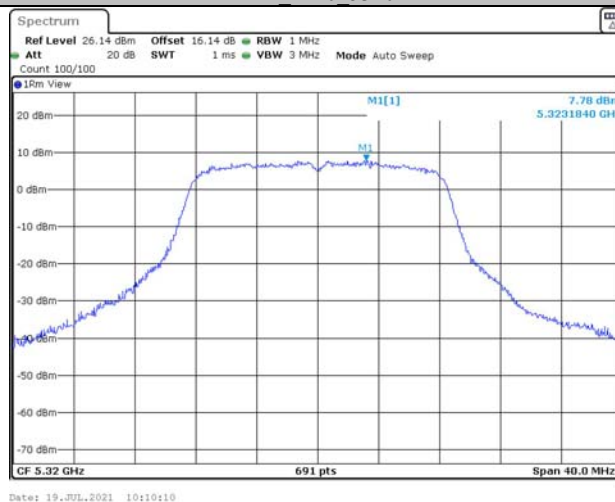
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11A_Ant1_5320



11A_Ant0_5320



11A Ant1 5500



11A Ant0 5500



11A Ant1 5600

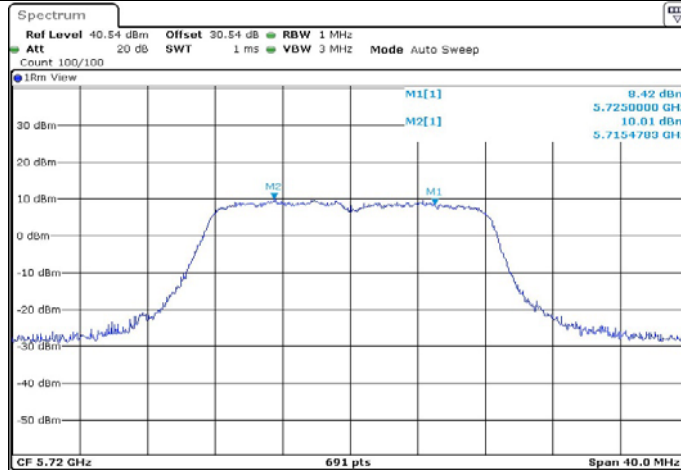


11A Ant0_5600



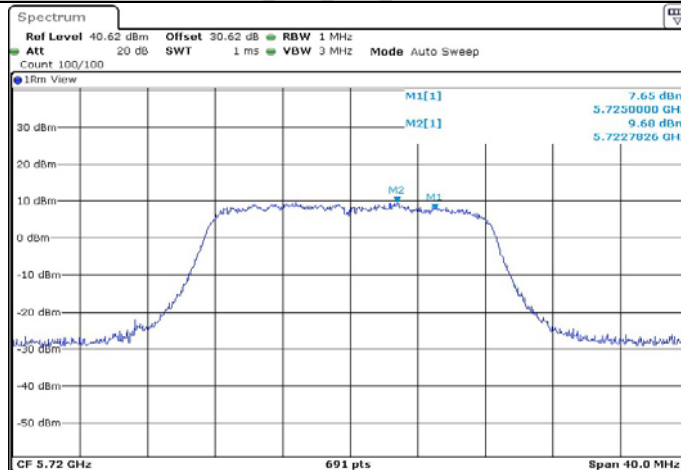
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11A Ant1_5720 UNII-2C



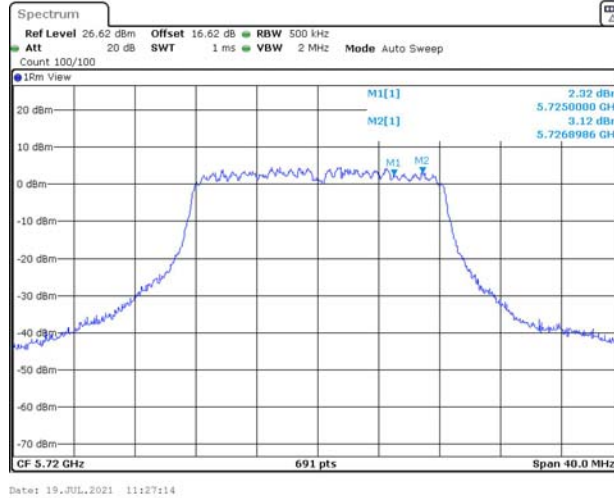
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11A Ant0_5720 UNII-2C

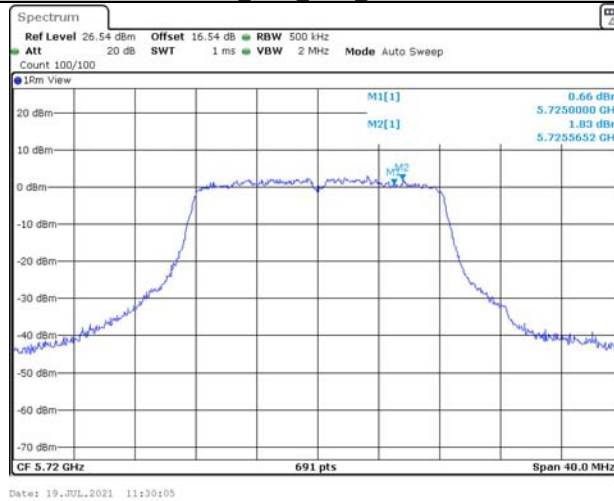


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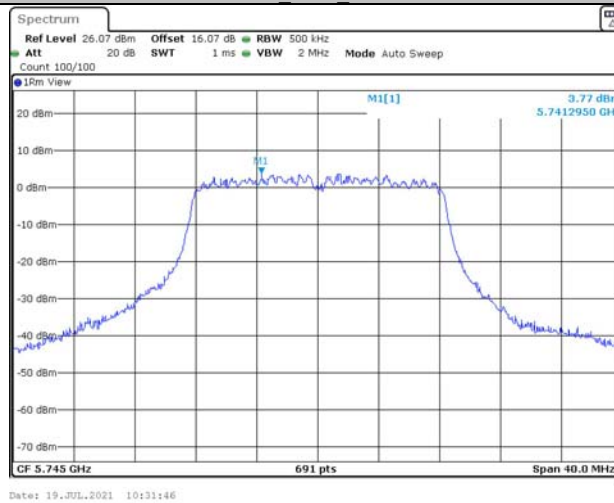
11A Ant1 5720 UNII-3



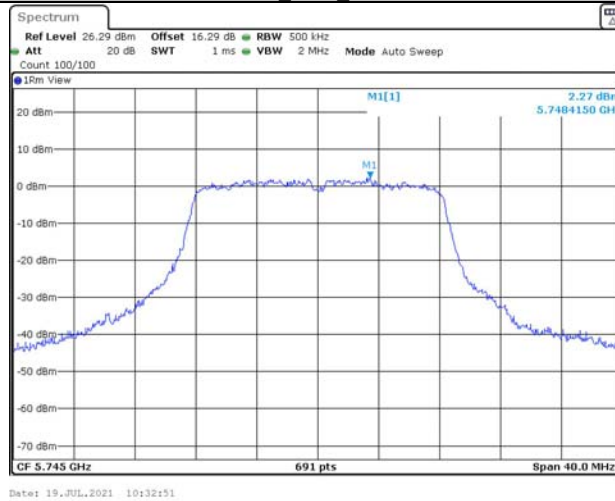
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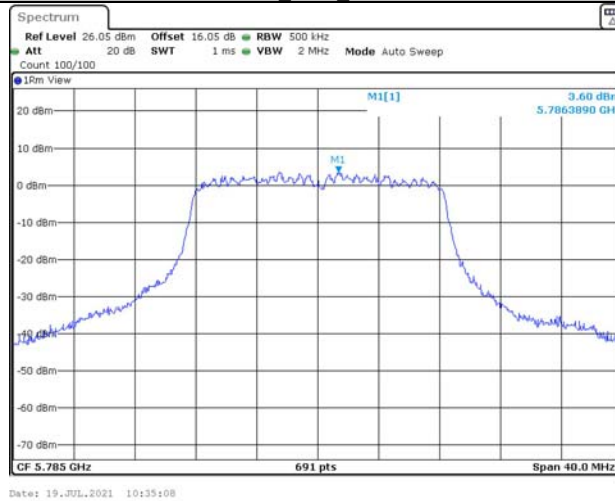
11A Ant1 5745



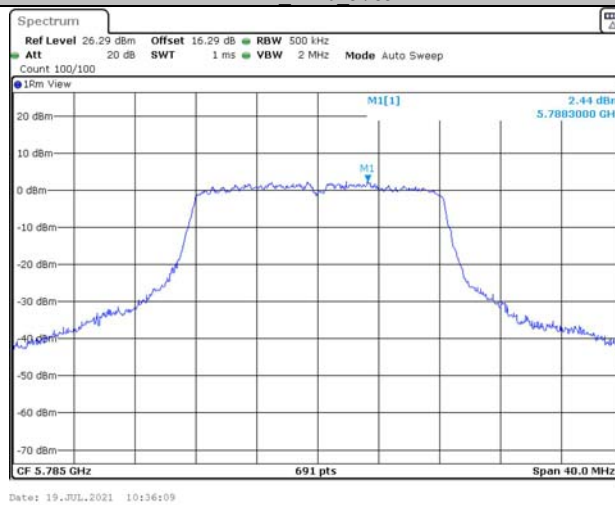
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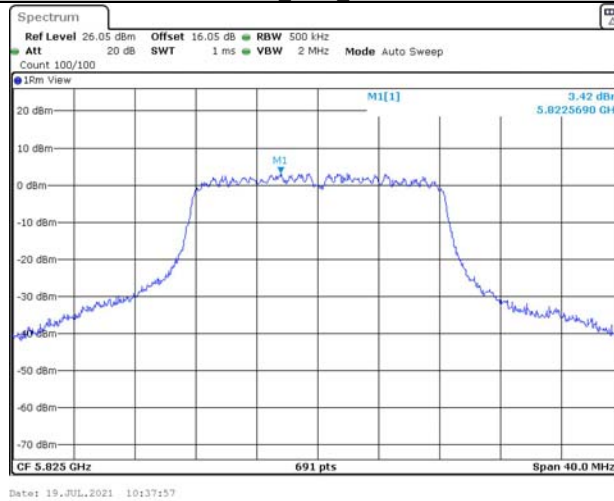
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11A_Ant0_5785



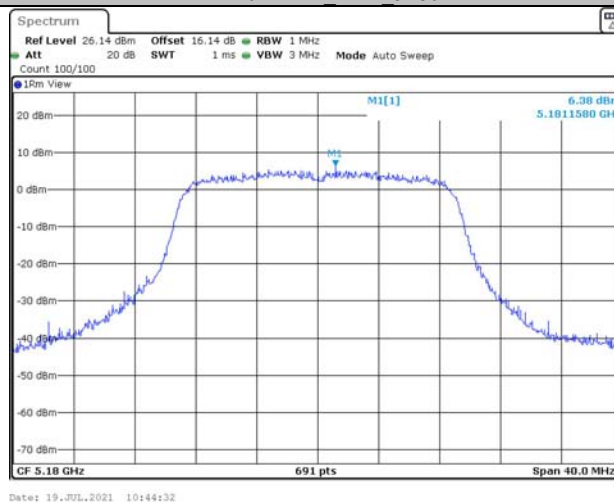
11A Ant1 5825



11A Ant0 5825



11N20MIMO Ant1 5180

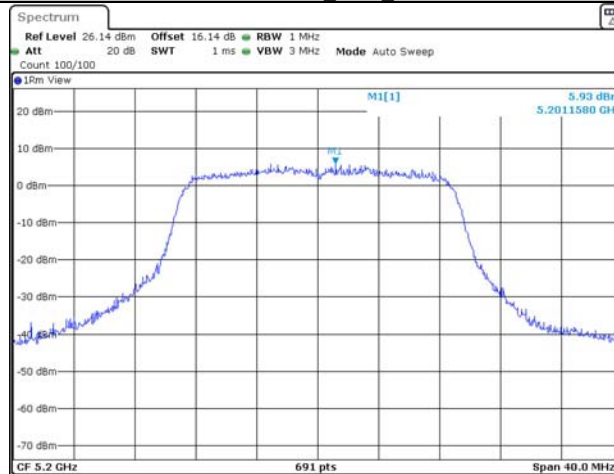


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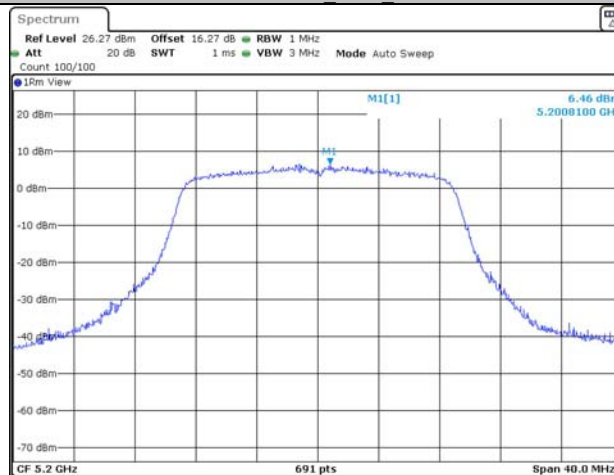
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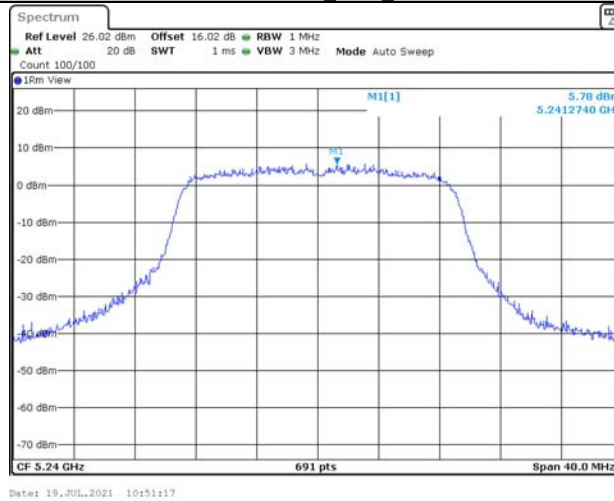
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11N20MIMO_Ant0_5200



Date: 19.JUL.2021 10:49:15

11N20MIMO Ant1 5240



11N20MIMO Ant0 5240



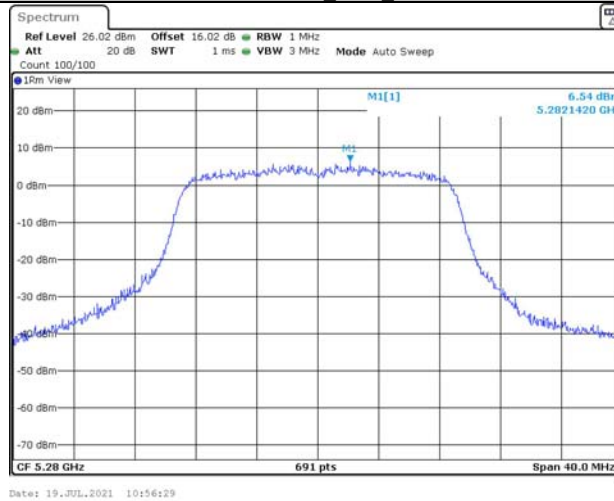
11N20MIMO Ant1 5260



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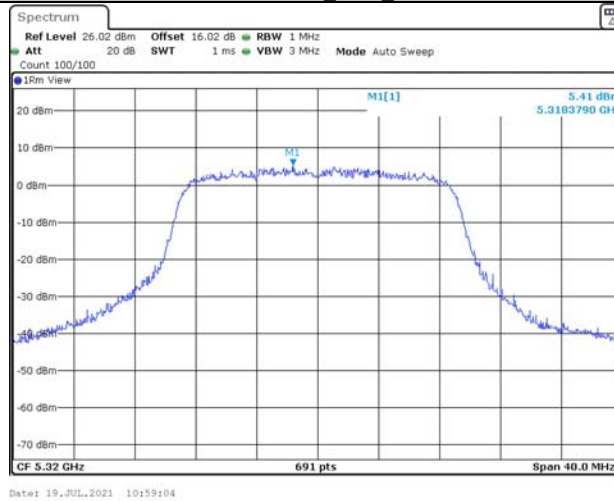
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11N20MIMO_Ant0_5280



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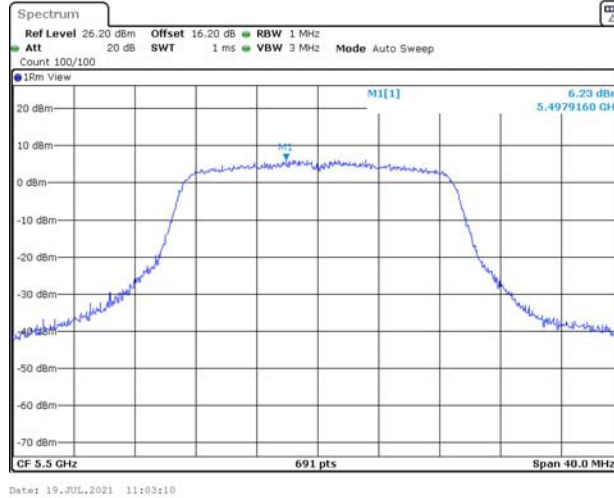
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11N20MIMO_Ant1_5500



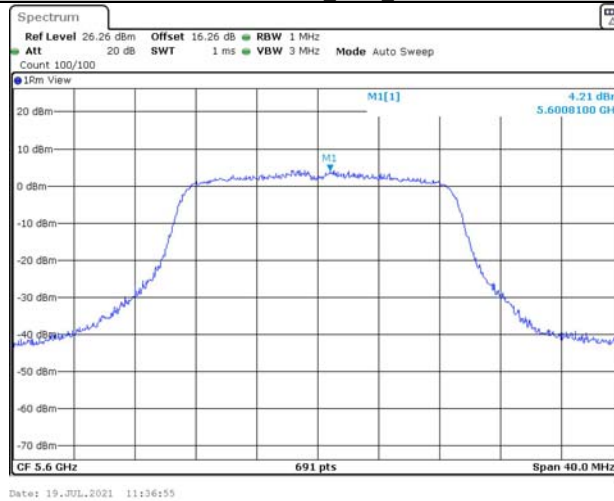
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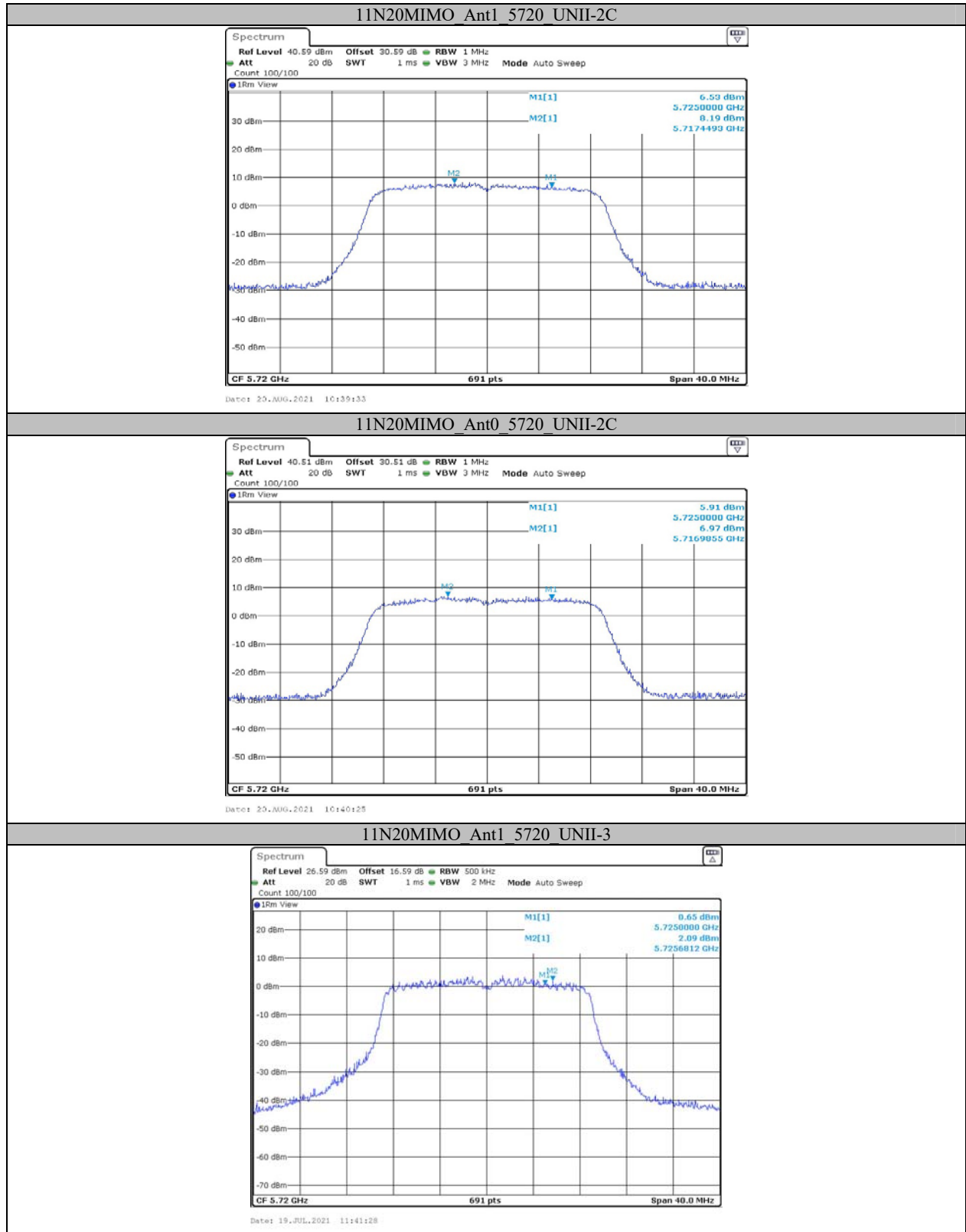


11N20MIMO_Ant1_5600



11N20MIMO_Ant0_5600

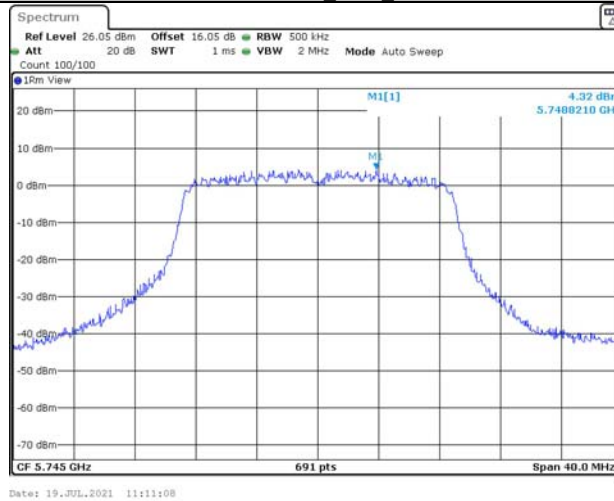




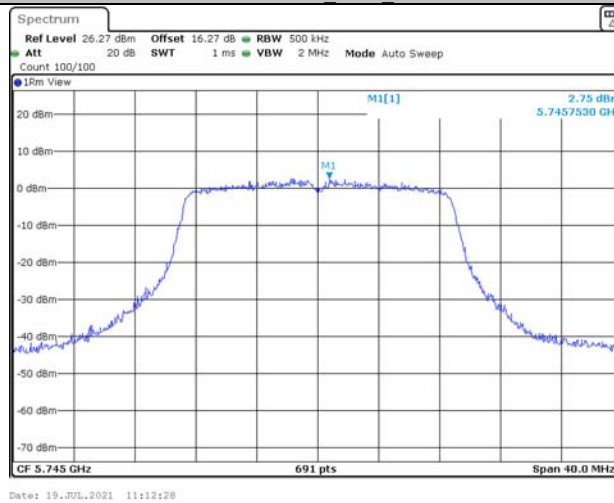
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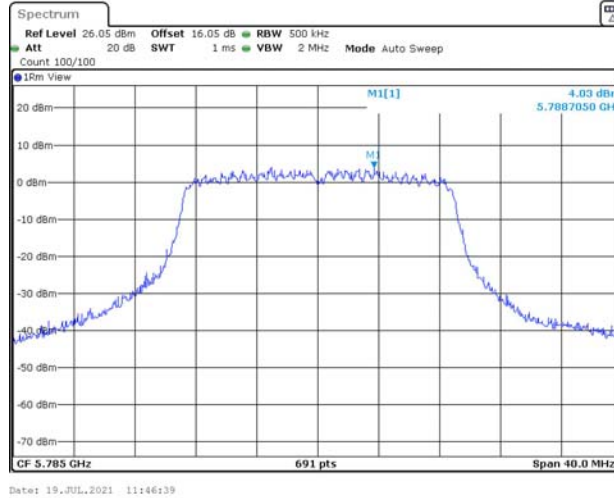
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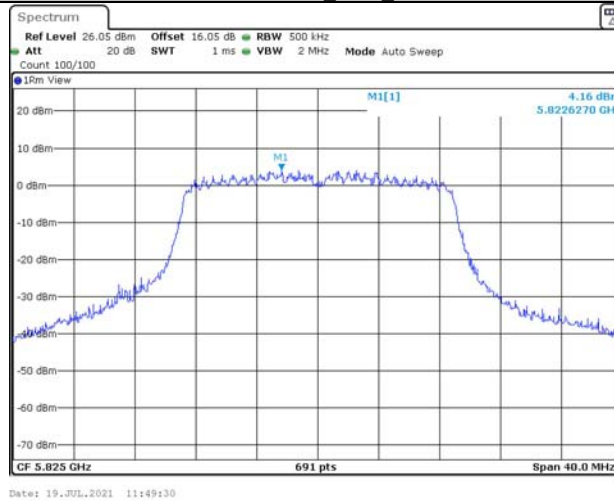
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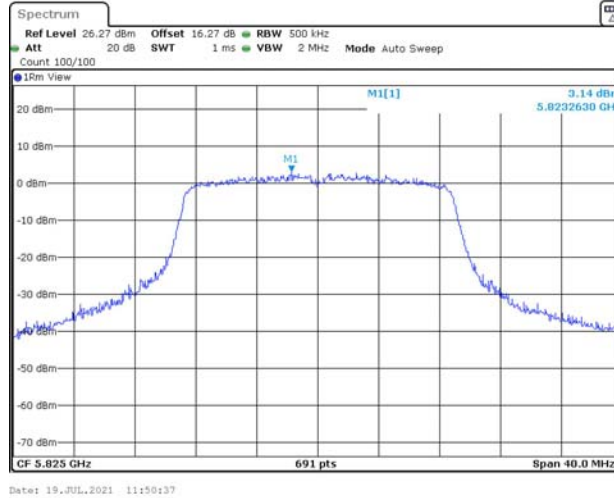
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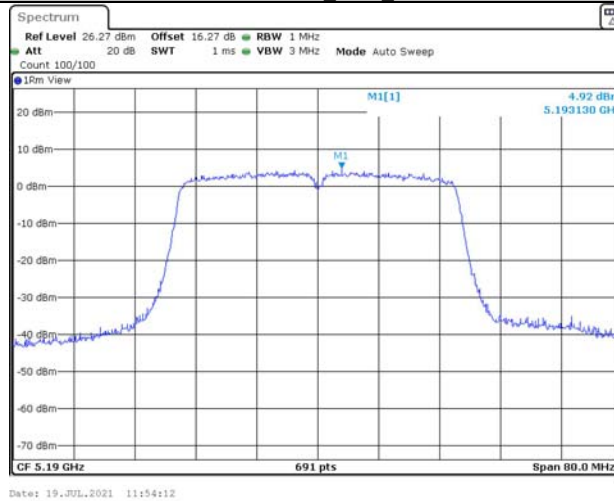
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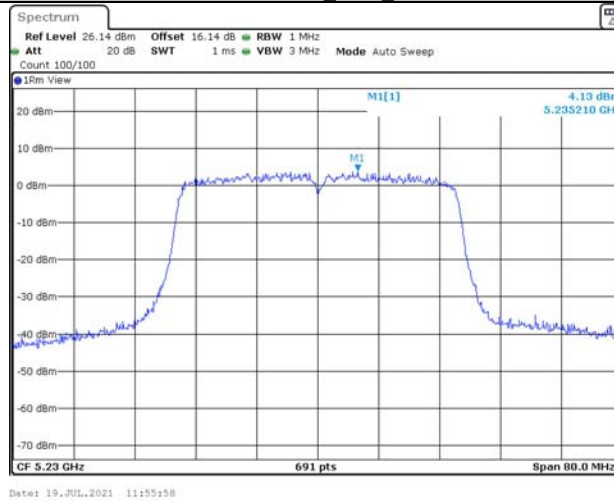
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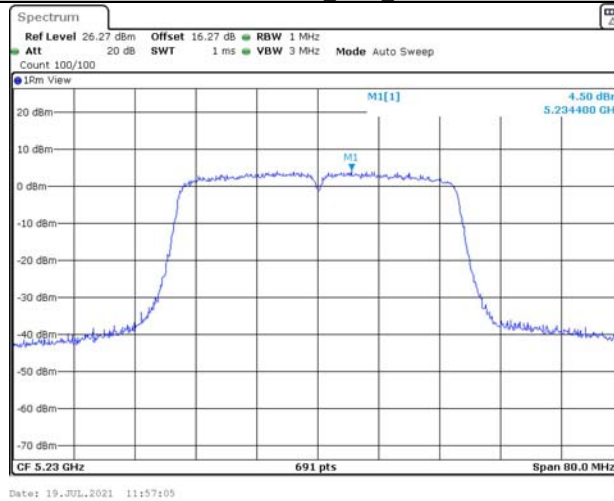
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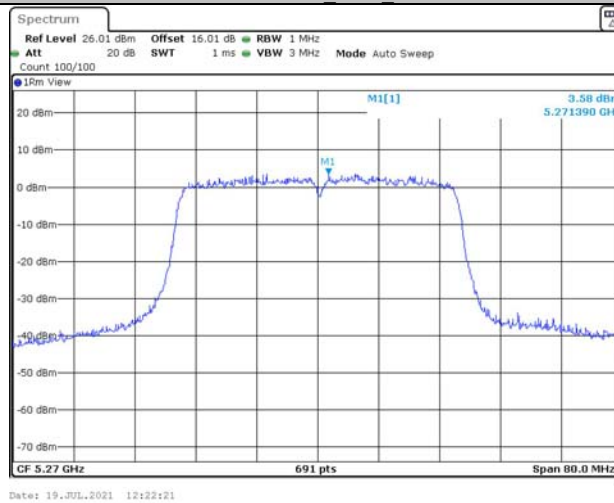
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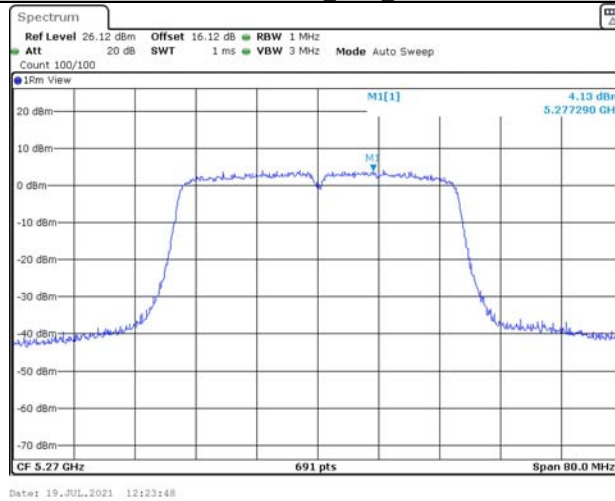
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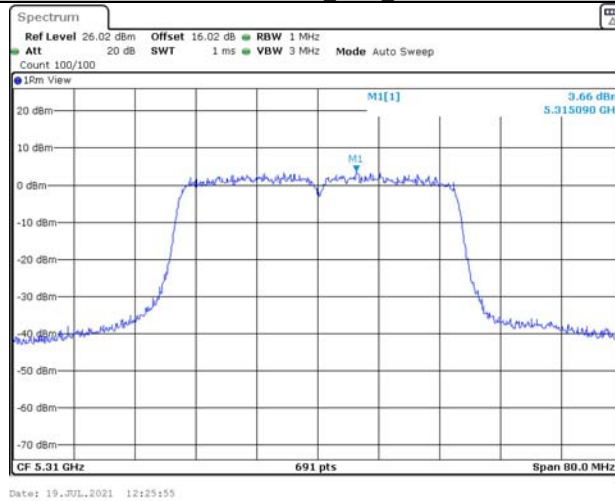
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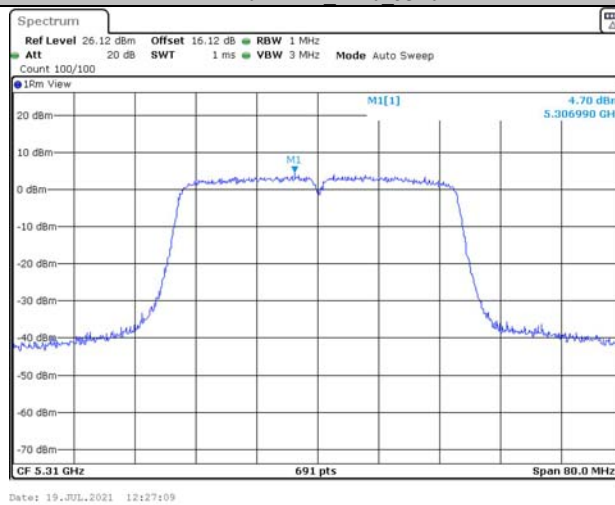
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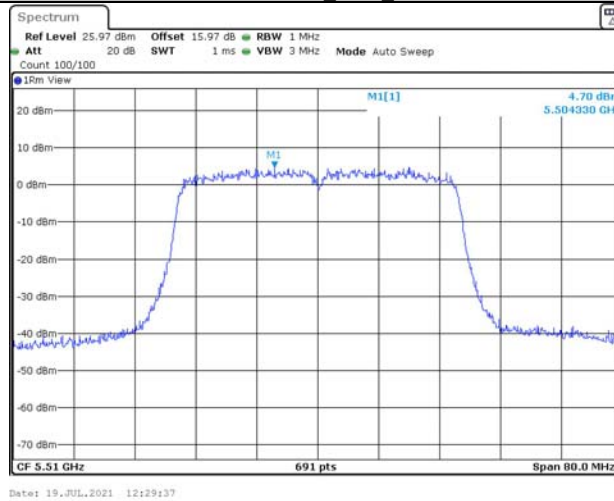
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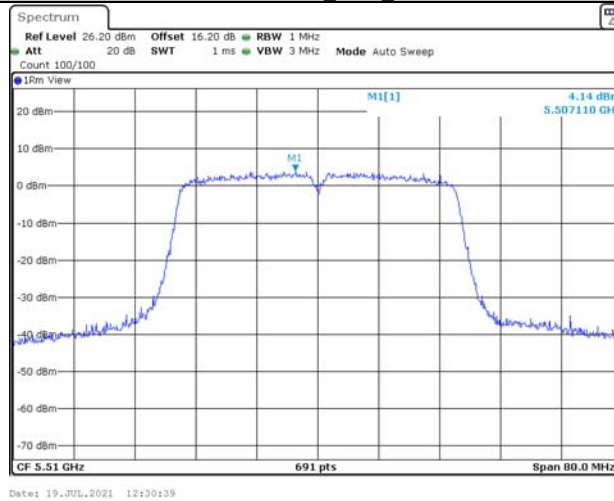
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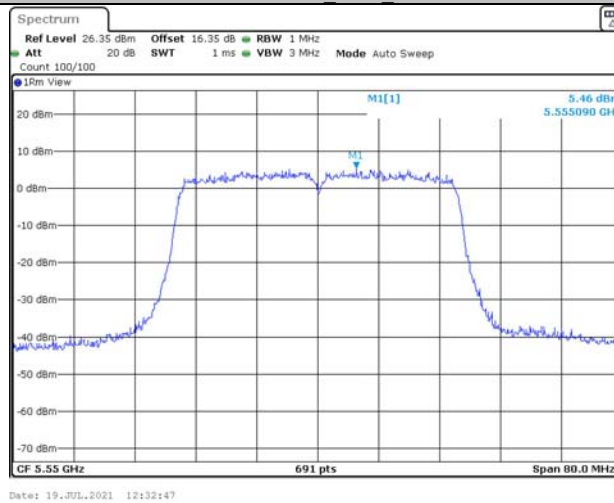
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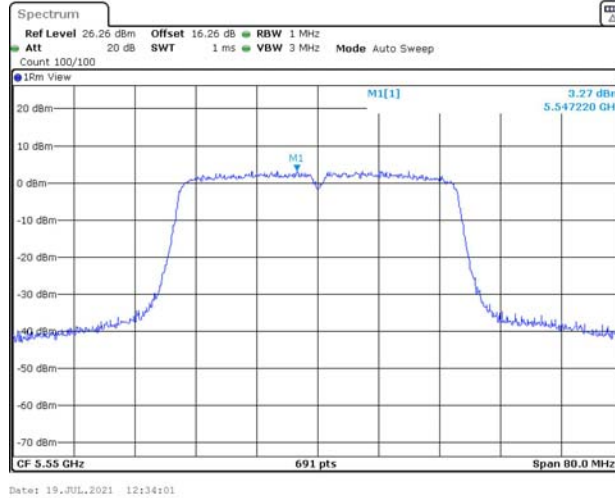
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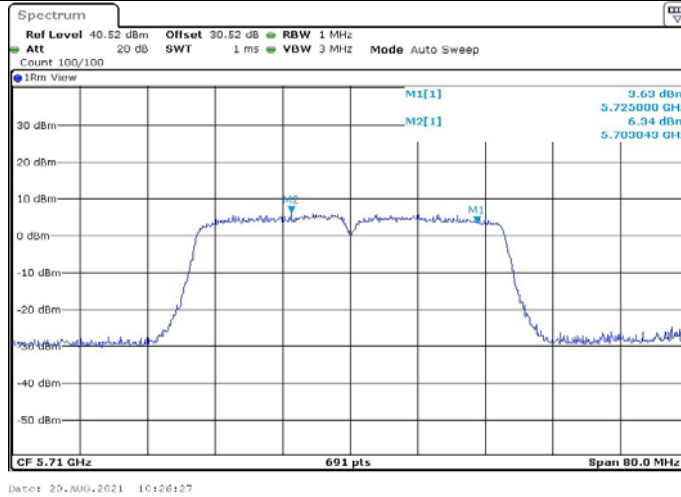
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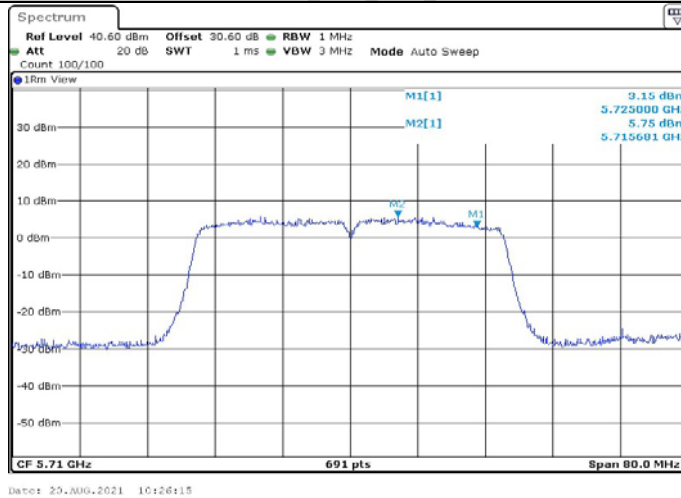
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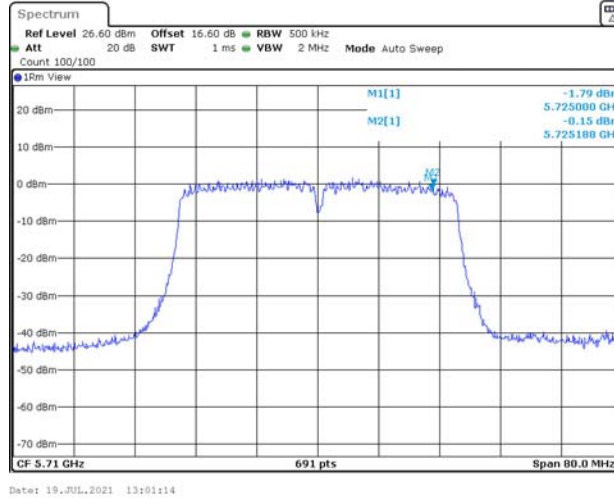
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11N40MIMO_Ant0_5710_UNII-2C

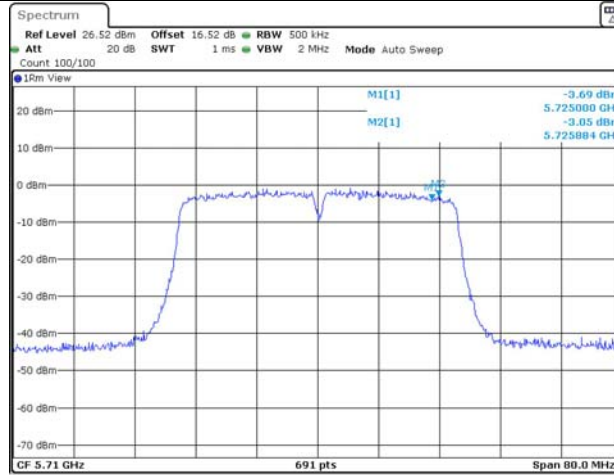


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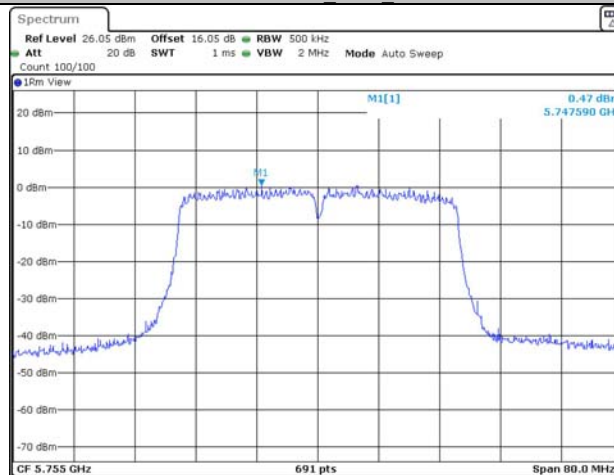
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11N40MIMO Ant0 5710 UNII-3



Date: 19.JUL.2021 13:02:24

11N40MIMO Ant1 5755



Date: 19.JUL.2021 12:50:23