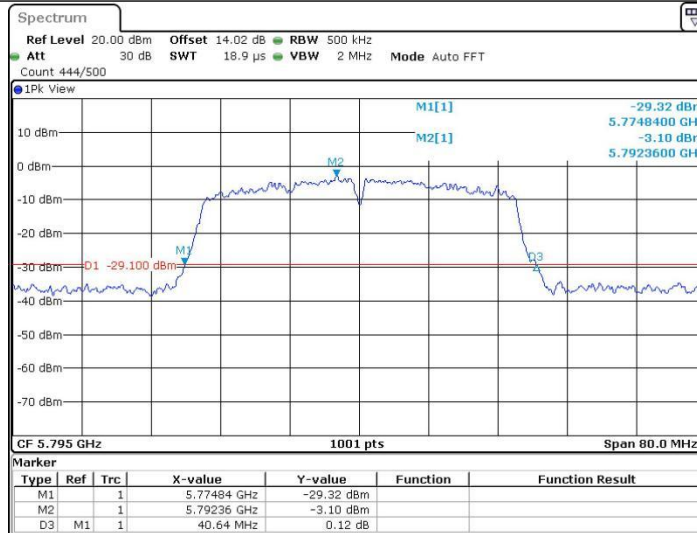
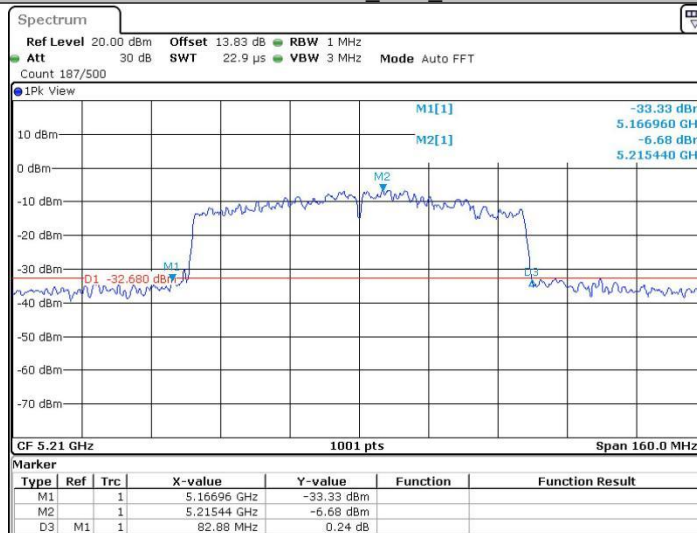


11AC40SISO_Ant2_5795



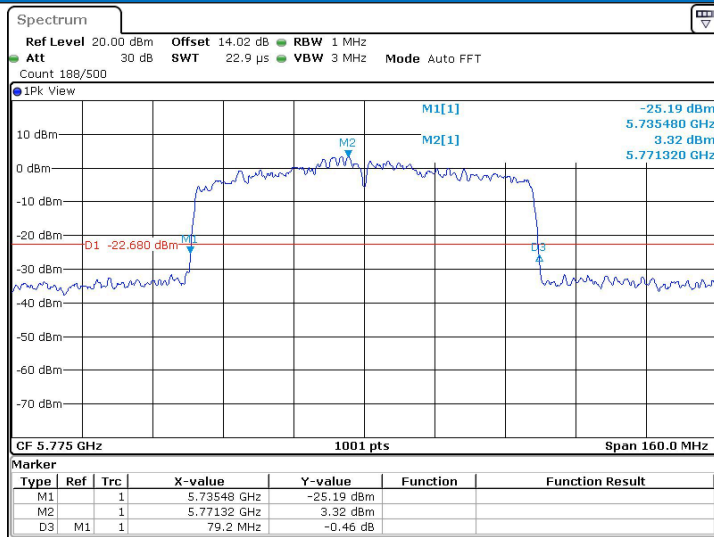
Date: 21 MAY 2024 09:19:23

11AC80SISO_Ant2_5210



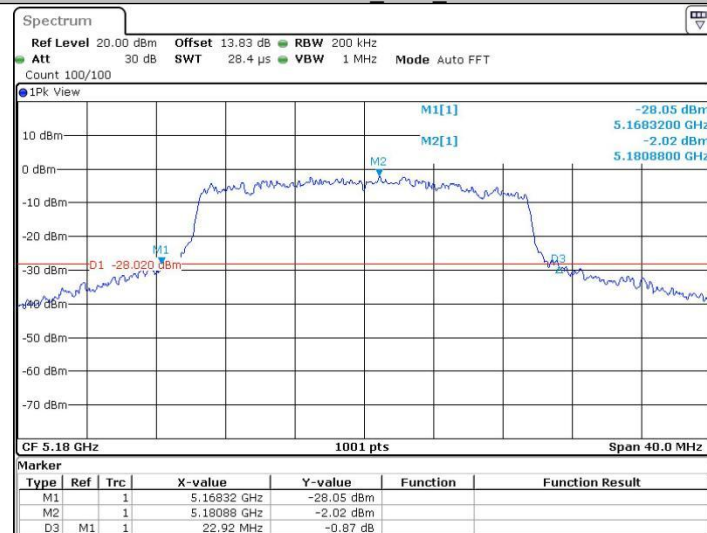
Date: 21 MAY 2024 09:22:32

11AC80SISO_Ant2_5775



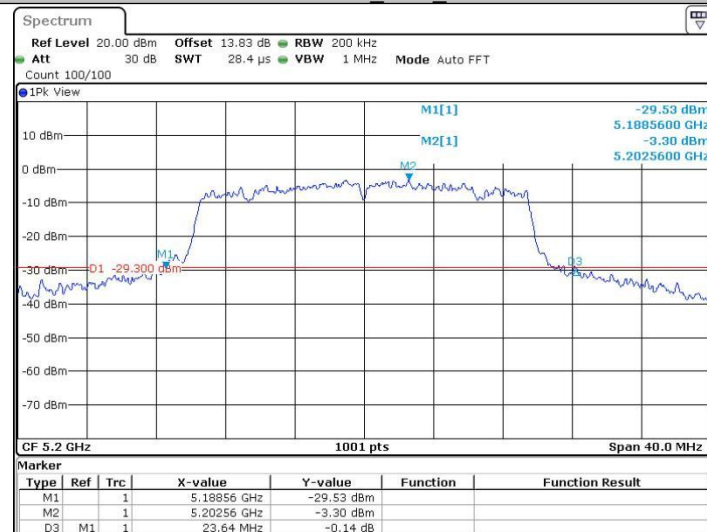
Date: 30 MAY 2024 09:13:57

11AX20SISO_Ant2_5180



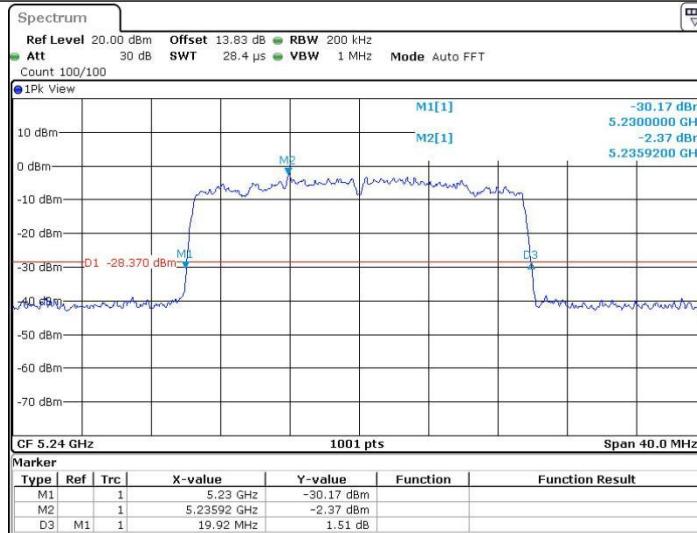
Date: 21 MAY 2024 10:07:33

11AX20SISO_Ant2_5200



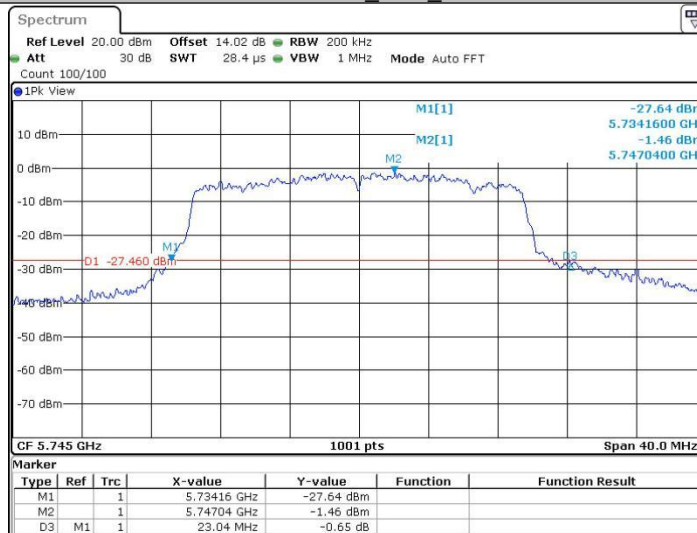
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11AX20SISO_Ant2_5240



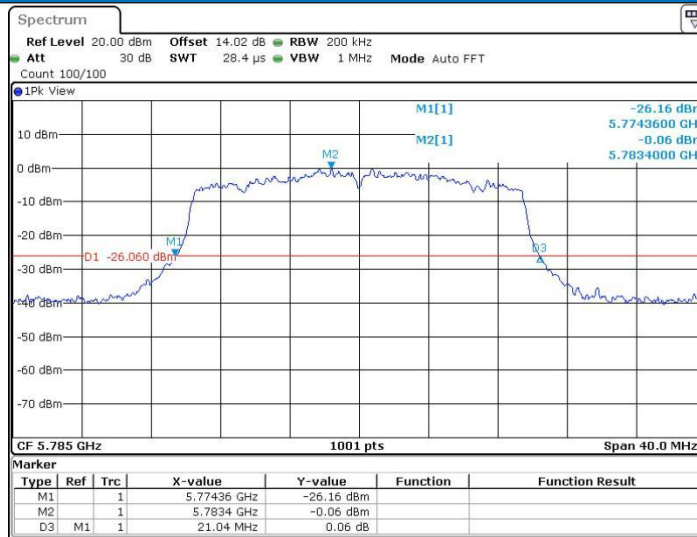
Date: 21 MAY 2024 10:29:13

11AX20SISO_Ant2_5745



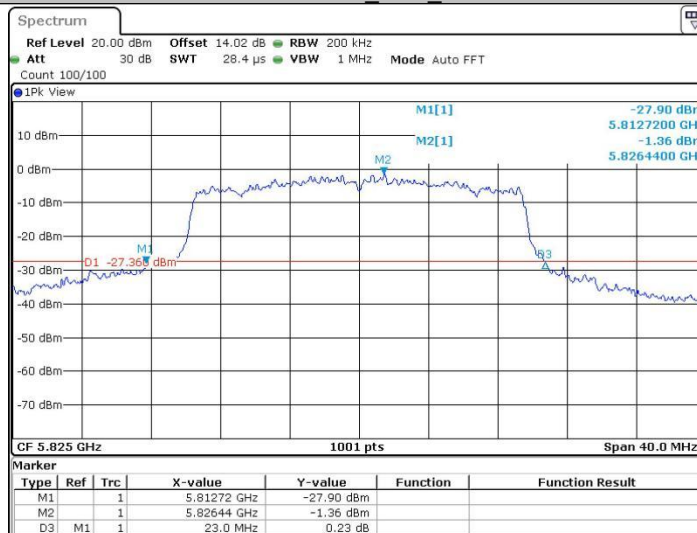
Date: 21 MAY 2024 10:35:03

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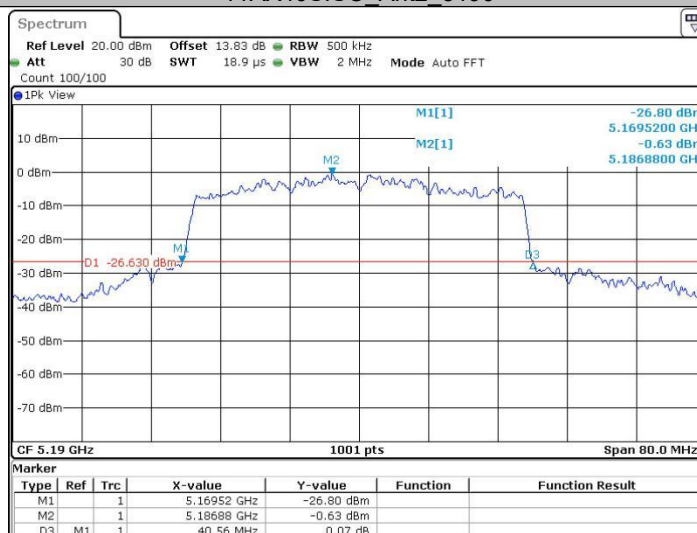
Date: 21 MAY 2024 10:40:55

11AX20SISO_Ant2_5825



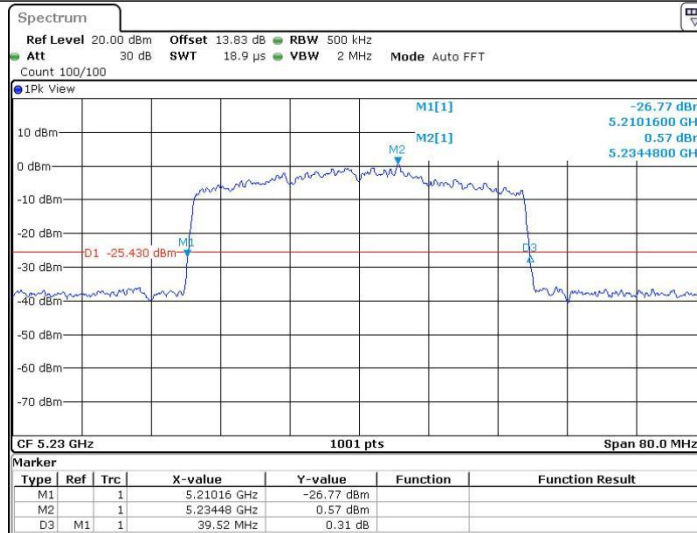
Date: 21 MAY 2024 10:48:16

11AX40SISO_Ant2_5190



Date: 21 MAY 2024 10:54:24

11AX40SISO_Ant2_5230



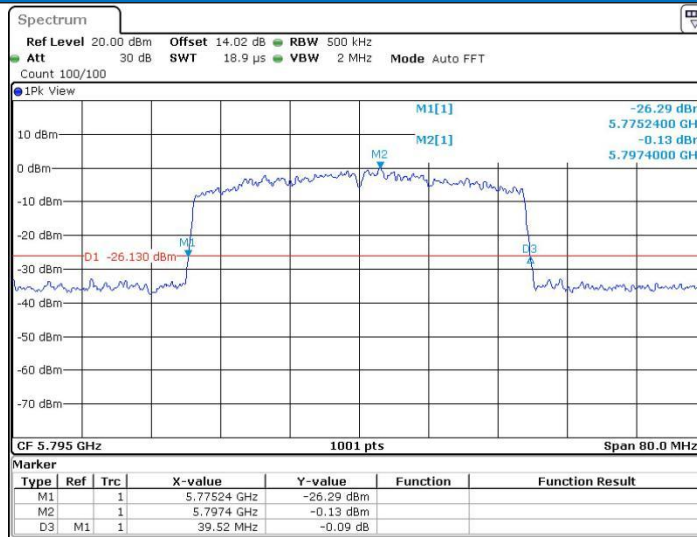
Date: 21 MAY 2024 11:00:22

11AX40SISO_Ant2_5755



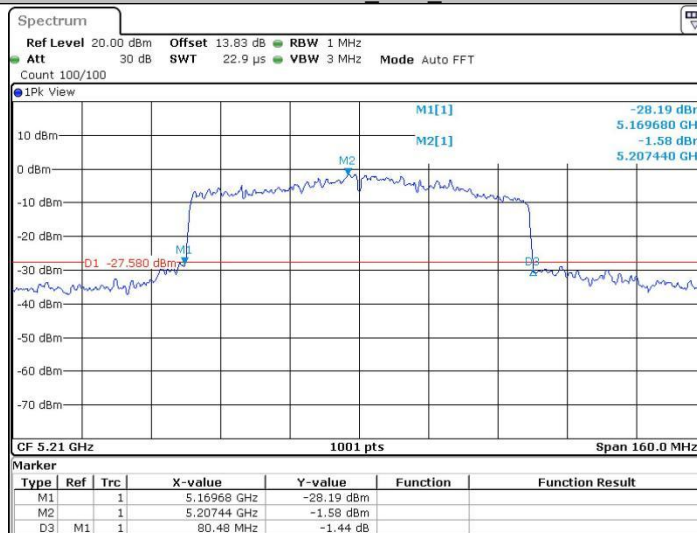
Date: 21 MAY 2024 11:07:57

11AX40SISO_Ant2_5795



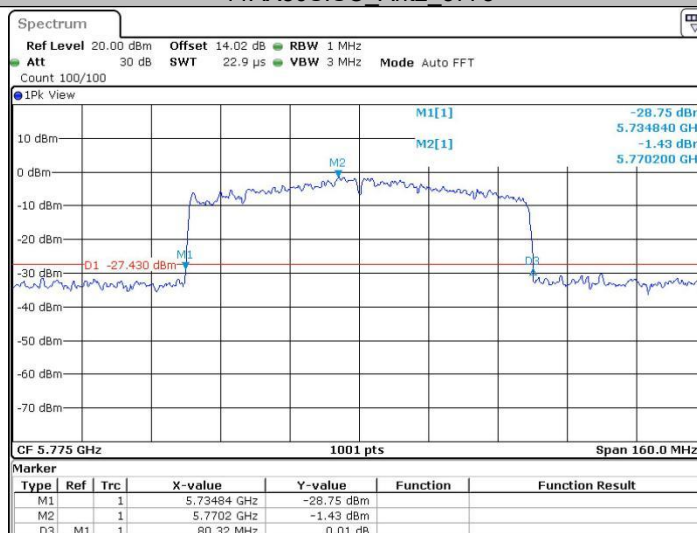
Date: 21.MAY.2024 11:13:50

11AX80SISO_Ant2_5210



Date: 21.MAY.2024 11:20:33

11AX80SISO_Ant2_5775



Date: 21.MAY.2024 11:27:56

Appendix B): Maximum Conduct Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

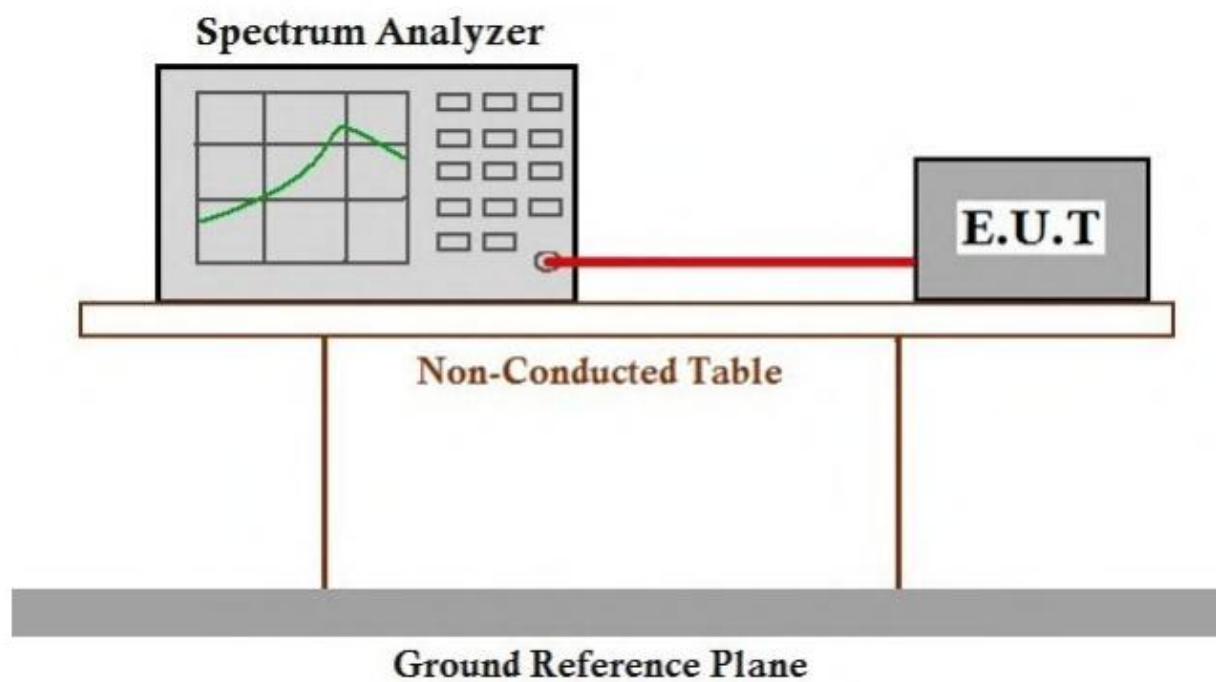
Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for Indoor device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Test Procedure:

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (1) Set RBW = 1 MHz.
- (2) Set VBW ≥ 3 MHz.
- (3) Detector = power average
- (4) Sweep time = auto.
- (5) Add duty cycle to the measured average power.

Test Setup Diagram



Measurement Data

Ant1:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	3.51	≤29.3	PASS
		5200	3.06	≤29.3	PASS
		5240	3.85	≤29.3	PASS
		5745	6.18	≤29.29	PASS
		5785	5.87	≤29.29	PASS
		5825	5.49	≤29.29	PASS
11N20SISO	Ant1	5180	2.39	≤29.3	PASS
		5200	1.94	≤29.3	PASS
		5240	2.49	≤29.3	PASS
		5745	4.14	≤29.29	PASS
		5785	4.47	≤29.29	PASS
		5825	5.85	≤29.29	PASS
11N40SISO	Ant1	5190	2.60	≤29.3	PASS
		5230	3.14	≤29.3	PASS
		5755	5.46	≤29.29	PASS
		5795	5.19	≤29.29	PASS
11AC20SISO	Ant1	5180	3.80	≤29.3	PASS
		5200	3.38	≤29.3	PASS
		5240	3.70	≤29.3	PASS
		5745	5.69	≤29.29	PASS
		5785	5.41	≤29.29	PASS
		5825	6.74	≤29.29	PASS
11AC40SISO	Ant1	5190	3.34	≤29.3	PASS
		5230	3.50	≤29.3	PASS
		5755	6.16	≤29.29	PASS
		5795	5.85	≤29.29	PASS
11AC80SISO	Ant1	5210	3.04	≤29.3	PASS
		5775	5.56	≤29.29	PASS
11AX20SISO	Ant1	5180	3.86	≤29.3	PASS
		5200	3.28	≤29.3	PASS
		5240	3.86	≤29.3	PASS
		5745	7.76	≤29.29	PASS
		5785	7.46	≤29.29	PASS

		5825	8.66	≤ 29.29	PASS
11AX40SIS O	Ant1	5190	3.83	≤ 29.3	PASS
		5230	3.96	≤ 29.3	PASS
		5755	8.17	≤ 29.29	PASS
		5795	7.95	≤ 29.29	PASS
11AX80SIS O	Ant1	5210	3.32	≤ 29.3	PASS
		5775	7.66	≤ 29.29	PASS

Limit=Conducted output power Limit-(gains-6dBi)

gain:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3

Ant2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	5.47	≤29.3	PASS
		5200	5.37	≤29.3	PASS
		5240	6.10	≤29.3	PASS
		5745	5.98	≤29.29	PASS
		5785	6.05	≤29.29	PASS
		5825	6.43	≤29.29	PASS
11N20SISO	Ant2	5180	3.48	≤29.3	PASS
		5200	3.60	≤29.3	PASS
		5240	4.22	≤29.3	PASS
		5745	4.51	≤29.29	PASS
		5785	4.50	≤29.29	PASS
		5825	4.85	≤29.29	PASS
11N40SISO	Ant2	5190	3.52	≤29.3	PASS
		5230	3.95	≤29.3	PASS
		5755	4.70	≤29.29	PASS
		5795	5.01	≤29.29	PASS
11AC20SISO	Ant2	5180	3.44	≤29.3	PASS
		5200	3.63	≤29.3	PASS
		5240	4.27	≤29.3	PASS
		5745	4.54	≤29.29	PASS
		5785	4.50	≤29.29	PASS
		5825	5.86	≤29.29	PASS
11AC40SISO	Ant2	5190	4.33	≤29.3	PASS
		5230	4.30	≤29.3	PASS
		5755	5.04	≤29.29	PASS
		5795	5.29	≤29.29	PASS
11AC80SISO	Ant2	5210	3.51	≤29.3	PASS
		5775	4.61	≤29.29	PASS
11AX20SISO	Ant2	5180	6.75	≤29.3	PASS
		5200	5.74	≤29.3	PASS
		5240	6.09	≤29.3	PASS
		5745	7.83	≤29.29	PASS
		5785	8.18	≤29.29	PASS
		5825	7.09	≤29.29	PASS

11AX40SIS O	Ant2	5190	6.05	≤ 29.3	PASS
		5230	6.34	≤ 29.3	PASS
		5755	6.07	≤ 29.29	PASS
		5795	6.63	≤ 29.29	PASS
11AX80SIS O	Ant2	5210	5.62	≤ 29.3	PASS
		5775	6.10	≤ 29.29	PASS

Limit=Conducted output power Limit-(gains-6dBi)

gain:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3

Ant1+Ant2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11N20MIM O	Ant1+Ant2	5180	5.98	≤26.29	PASS
		5200	5.86	≤26.29	PASS
		5240	6.45	≤26.29	PASS
		5745	7.34	≤26.28	PASS
		5785	7.50	≤26.28	PASS
		5825	8.39	≤26.28	PASS
11N40MIM O	Ant1+Ant2	5190	6.09	≤26.29	PASS
		5230	6.57	≤26.29	PASS
		5755	8.11	≤26.28	PASS
		5795	8.11	≤26.28	PASS
11AC20MI MO	Ant1+Ant2	5180	6.63	≤26.29	PASS
		5200	6.52	≤26.29	PASS
		5240	7.00	≤26.29	PASS
		5745	8.16	≤26.28	PASS
		5785	7.99	≤26.28	PASS
		5825	9.33	≤26.28	PASS
11AC40MI MO	Ant1+Ant2	5190	6.87	≤26.29	PASS
		5230	6.93	≤26.29	PASS
		5755	8.65	≤26.28	PASS
		5795	8.59	≤26.28	PASS
11AC80MI MO	Ant1+Ant2	5210	6.29	≤26.29	PASS
		5775	8.12	≤26.28	PASS
11AX20MIM O	Ant1+Ant2	5180	8.55	≤26.29	PASS
		5200	7.69	≤26.29	PASS
		5240	8.13	≤26.29	PASS
		5745	10.81	≤26.28	PASS
		5785	10.85	≤26.28	PASS
		5825	10.96	≤26.28	PASS
11AX40MIM O	Ant1+Ant2	5190	8.09	≤26.29	PASS
		5230	8.32	≤26.29	PASS
		5755	10.26	≤26.28	PASS
		5795	10.35	≤26.28	PASS
11AX80MIM O	Ant1+Ant2	5210	7.63	≤26.29	PASS
		5775	9.96	≤26.28	PASS

MIMO limit=Conducted output power Limit-(directional gains-6dBi)

Directional gain:9.71dBi@5GHz: Wi-Fi: U-NII-1, 9.72dBi@5GHz: Wi-Fi: U-NII-3

Remark:

Av.Power=Meas.Level+10 log (1/duty cycle)

E.i.r.p=Av.Power+G,

G = antenna gain in dBi.

Appendix C): Maximum Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II F

Test Procedure:

For 5150-5725MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 1MHz.
4. Set the VBW $\geq 3 \times$ RBW. Detector = Peak. Trace mode = max hold.

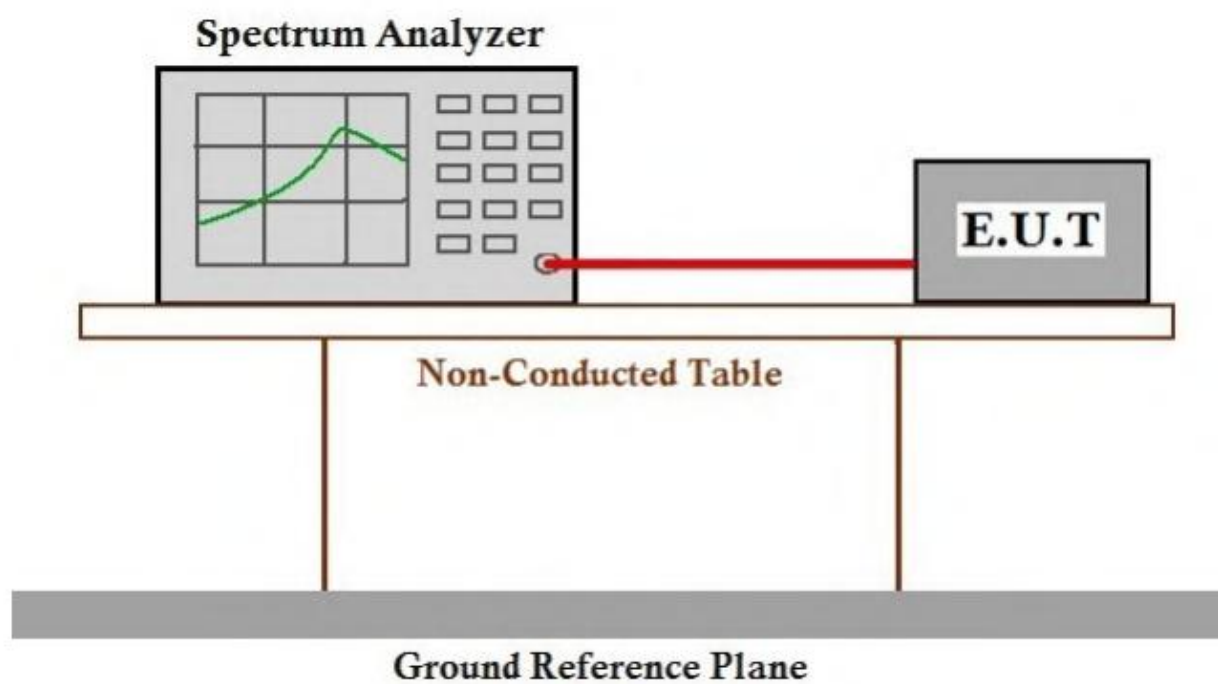
For 5725-5850MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 500KHz.
4. Set the VBW $\geq 3 \times$ RBW. Detector = Peak. Trace mode = max hold.

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 17\text{dBm}$ in 1MHz for Indoor device
	$\leq 11\text{dBm}$ in 1MHz for client device
5250-5350	$\leq 11\text{dBm}$ in 1MHz for client device
5470-5725	$\leq 11\text{dBm}$ in 1MHz for client device
5725-5850	$\leq 30\text{dBm}$ in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

Test Setup Diagram



Result Table

Ant1:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-6.87	≤16.3	PASS
	5200	-7.25	≤16.3	PASS
	5240	-6.55	≤16.3	PASS
	5745	-6.93	≤29.29	PASS
	5785	-7.18	≤29.29	PASS
	5825	-7.56	≤29.29	PASS
11N20SISO	5180	-8.2	≤16.3	PASS
	5200	-8.38	≤16.3	PASS
	5240	-8.22	≤16.3	PASS
	5745	-9.35	≤29.29	PASS
	5785	-9.2	≤29.29	PASS
	5825	-7.51	≤29.29	PASS
11N40SISO	5190	-10.42	≤16.3	PASS
	5230	-9.85	≤16.3	PASS
	5755	-10.28	≤29.29	PASS
	5795	-11	≤29.29	PASS
11AC20SISO	5180	-7.12	≤16.3	PASS
	5200	-7.64	≤16.3	PASS
	5240	-7.08	≤16.3	PASS
	5745	-7.8	≤29.29	PASS
	5785	-8.22	≤29.29	PASS
	5825	-7.23	≤29.29	PASS
11AC40SISO	5190	-10.09	≤16.3	PASS
	5230	-9.55	≤16.3	PASS
	5755	-9.22	≤29.29	PASS
	5795	-10.51	≤29.29	PASS
11AC80SISO	5210	-12.3	≤16.3	PASS
	5775	-12.74	≤29.29	PASS
11AX20SISO	5180	-7.24	≤16.3	PASS
	5200	-7.3	≤16.3	PASS
	5240	-7.48	≤16.3	PASS
	5745	-6.05	≤29.29	PASS
	5785	-6.49	≤29.29	PASS
	5825	-5.11	≤29.29	PASS

11AX40SISO	5190	-9.47	≤ 16.3	PASS
	5230	-8.92	≤ 16.3	PASS
	5755	-7.05	≤ 29.29	PASS
	5795	-7.74	≤ 29.29	PASS
11AX80SISO	5210	-12.16	≤ 16.3	PASS
	5775	-11.09	≤ 29.29	PASS

PSD Limit=Conducted output power Limit-(gains-6dBi)

gain:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3

Ant2:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-5.47	≤16.3	PASS
	5200	-5.28	≤16.3	PASS
	5240	-4.37	≤16.3	PASS
	5745	-7.35	≤29.29	PASS
	5785	-6.85	≤29.29	PASS
	5825	-6.53	≤29.29	PASS
11N20SISO	5180	-7.17	≤16.3	PASS
	5200	-7.23	≤16.3	PASS
	5240	-6.23	≤16.3	PASS
	5745	-9.08	≤29.29	PASS
	5785	-9.04	≤29.29	PASS
	5825	-8.3	≤29.29	PASS
11N40SISO	5190	-9.28	≤16.3	PASS
	5230	-9.14	≤16.3	PASS
	5755	-10.91	≤29.29	PASS
	5795	-10.91	≤29.29	PASS
11AC20SISO	5180	-7.22	≤16.3	PASS
	5200	-7.07	≤16.3	PASS
	5240	-6.17	≤16.3	PASS
	5745	-8.71	≤29.29	PASS
	5785	-8.82	≤29.29	PASS
	5825	-7.98	≤29.29	PASS
11AC40SISO	5190	-9.05	≤16.3	PASS
	5230	-8.9	≤16.3	PASS
	5755	-10.55	≤29.29	PASS
	5795	-10.56	≤29.29	PASS
11AC80SISO	5210	-11.81	≤16.3	PASS
	5775	-14.12	≤29.29	PASS
11AX20SISO	5180	-4.53	≤16.3	PASS
	5200	-4.85	≤16.3	PASS
	5240	-5.11	≤16.3	PASS
	5745	-5.58	≤29.29	PASS
	5785	-5.7	≤29.29	PASS
	5825	-6.59	≤29.29	PASS
11AX40SISO	5190	-6.94	≤16.3	PASS

	5230	-6.44	≤ 16.3	PASS
	5755	-9.55	≤ 29.29	PASS
	5795	-9.47	≤ 29.29	PASS
11AX80SISO	5210	-9.61	≤ 16.3	PASS
	5775	-12.4	≤ 29.29	PASS

PSD Limit=Conducted output power Limit-(gains-6dBi)

gain:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3

Ant1+Ant2:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20SISO	5180	-4.64	≤ 13.29	PASS
	5200	-4.76	≤ 13.29	PASS
	5240	-4.10	≤ 13.29	PASS
	5745	-6.20	≤ 29.29	PASS
	5785	-6.11	≤ 29.29	PASS
	5825	-4.88	≤ 29.29	PASS
11N40MIMO	5190	-6.80	≤ 13.29	PASS
	5230	-6.47	≤ 13.29	PASS
	5755	-7.57	≤ 29.29	PASS
	5795	-7.94	≤ 29.29	PASS
11AC20MIMO	5180	-4.16	≤ 13.29	PASS
	5200	-4.34	≤ 13.29	PASS
	5240	-3.59	≤ 13.29	PASS
	5745	-5.22	≤ 29.29	PASS
	5785	-5.50	≤ 29.29	PASS
	5825	-4.58	≤ 29.29	PASS
11AC40MIMO	5190	-6.53	≤ 13.29	PASS
	5230	-6.20	≤ 13.29	PASS
	5755	-6.82	≤ 29.29	PASS
	5795	-7.52	≤ 29.29	PASS
11AC80MIMO	5210	-9.04	≤ 13.29	PASS
	5775	-10.37	≤ 29.29	PASS
11AX20MIMO	5180	-2.67	≤ 13.29	PASS
	5200	-2.89	≤ 13.29	PASS
	5240	-3.12	≤ 13.29	PASS
	5745	-2.80	≤ 29.29	PASS
	5785	-3.07	≤ 29.29	PASS
	5825	-2.78	≤ 29.29	PASS
11AX40MIMO	5190	-5.01	≤ 13.29	PASS
	5230	-4.50	≤ 13.29	PASS
	5755	-5.11	≤ 29.29	PASS
	5795	-5.51	≤ 29.29	PASS
11AX80MIMO	5210	-7.69	≤ 13.29	PASS
	5775	-8.69	≤ 29.29	PASS

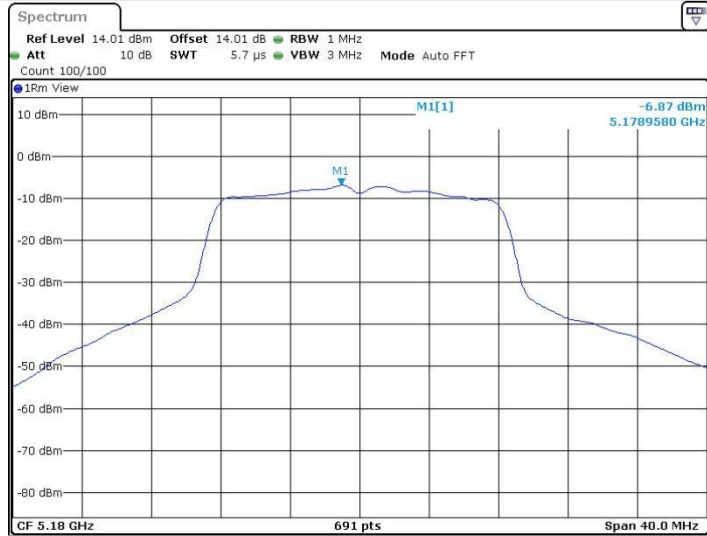
MIMO PSD limit=Conducted output power Limit-(directional gains-6dBi)

Directional gain:9.71dBi@5GHz: Wi-Fi: U-NII-1, 9.72dBi@5GHz: Wi-Fi: U-NII-3

Remark:

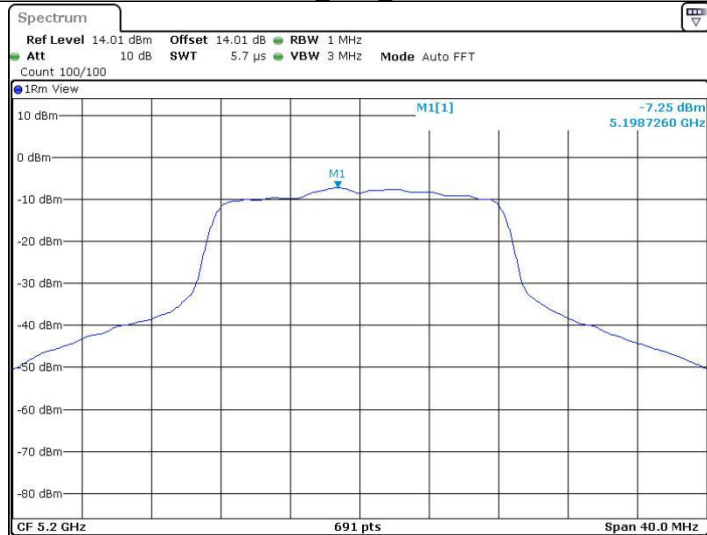
PSD = Meas PSD + Duty Cycle Factor

11A_Ant1_5180



Date: 16 MAY 2024 15:14:02

11A_Ant1_5200



Date: 16 MAY 2024 15:16:38

11A_Ant1_5240



Date: 16 MAY 2024 15:19:02

11A_Ant1_5745



Date: 16 MAY 2024 15:22:47

11A_Ant1_5785



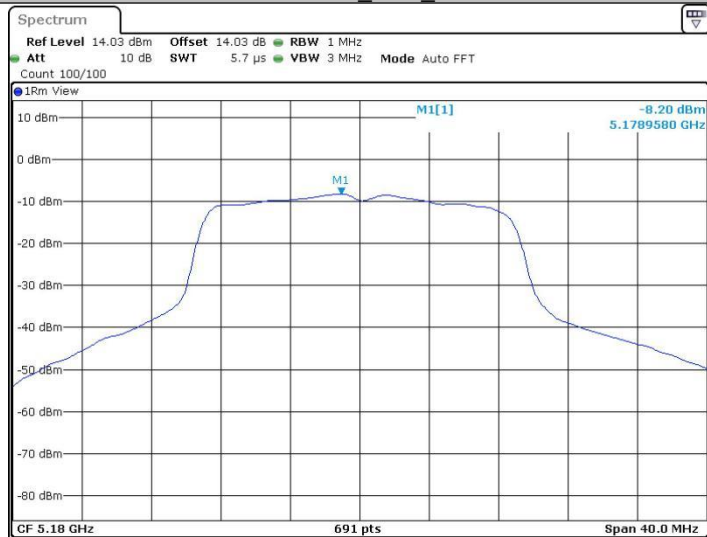
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11A_Ant1_5825



Date: 30 MAY 2024 09:23:28

11N20SISO_Ant1_5180



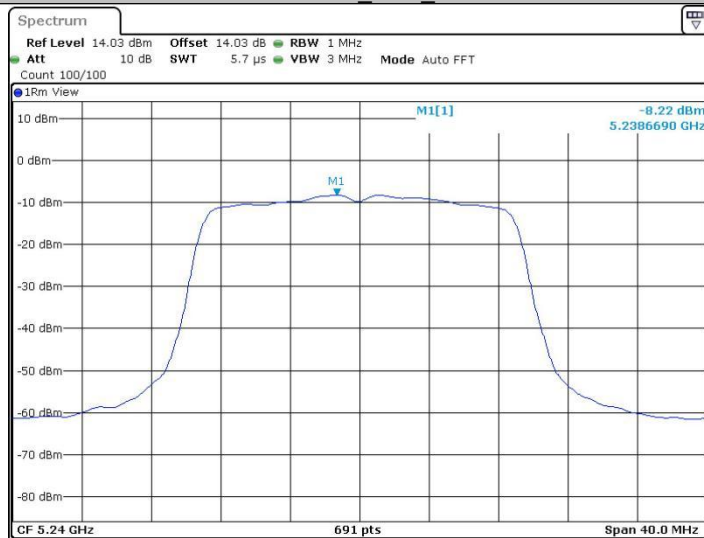
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11N20SISO_Ant1_5200



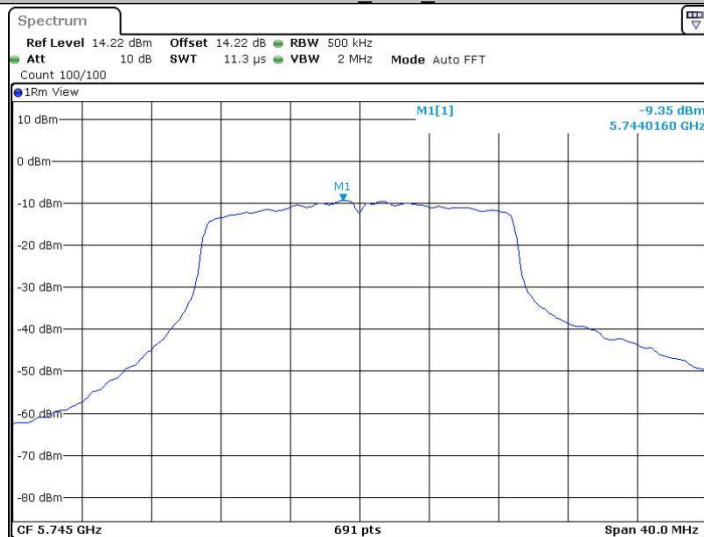
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11N20SISO Ant1_5240



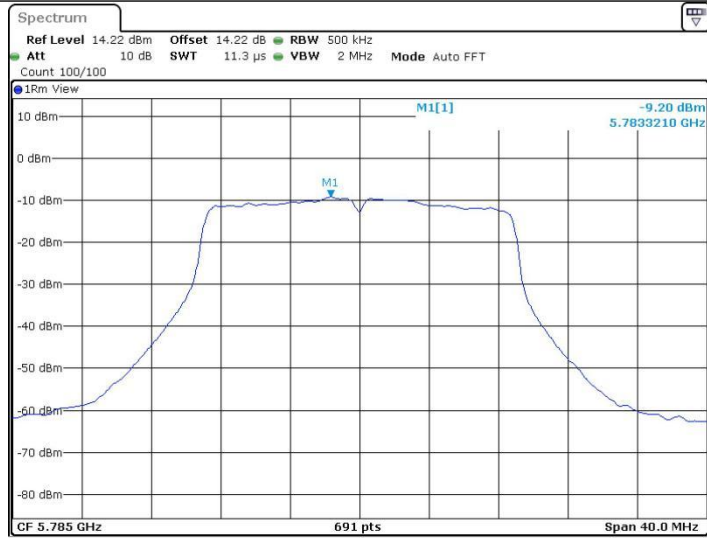
Date: 16 MAY 2024 12:01:55

11N20SISO Ant1_5745



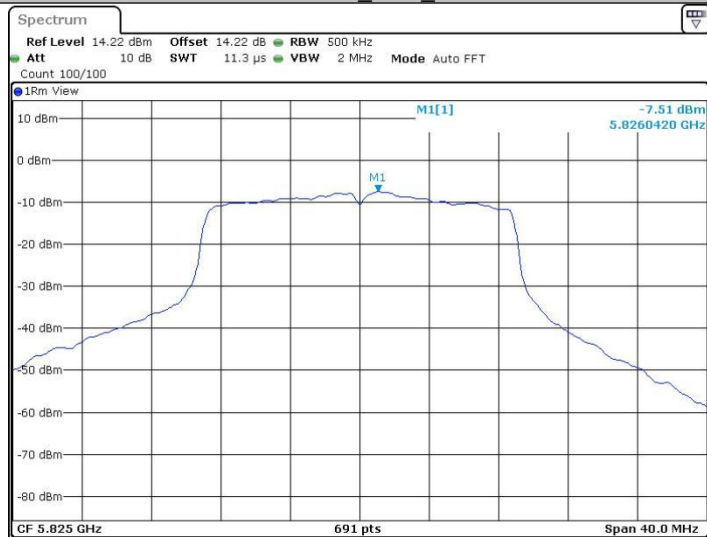
Date: 16 MAY 2024 12:06:21

11N20SISO_Ant1_5785



Date: 16 MAY 2024 14:03:17

11N20SISO_Ant1_5825



Date: 16 MAY 2024 14:04:43

11N40SISO_Ant1_5190



Date: 16 MAY 2024 14:10:06

11N40SISO Ant1_5230



Date: 16 MAY 2024 14:13:37

11N40SISO Ant1_5755



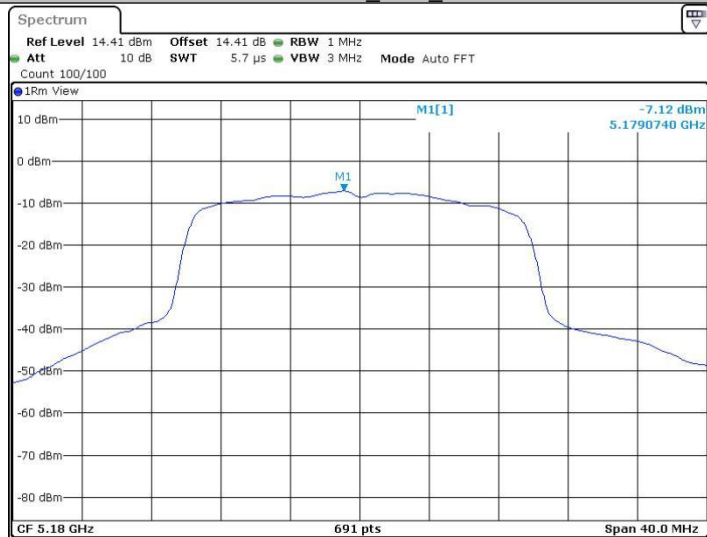
Date: 16 MAY 2024 14:16:08

11N40SISO_Ant1_5795



Date: 16 MAY 2024 14:18:47

11AC20SISO_Ant1_5180



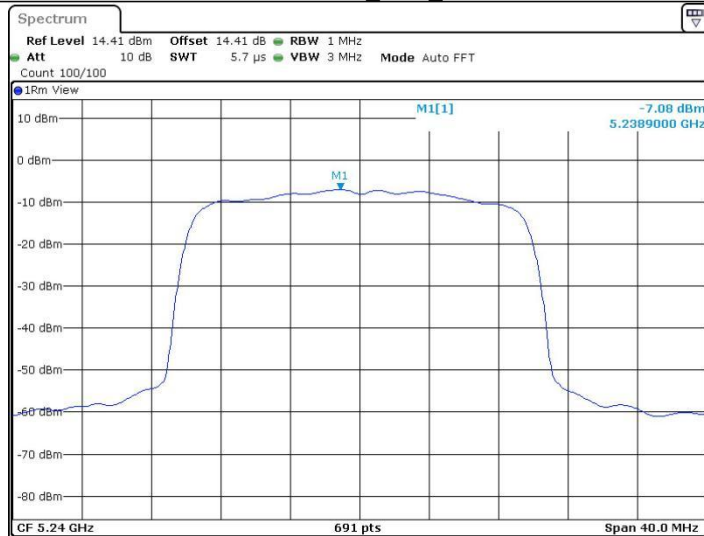
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Date: 16 MAY 2024 14:25:13

11AC20SISO_Ant1_5240



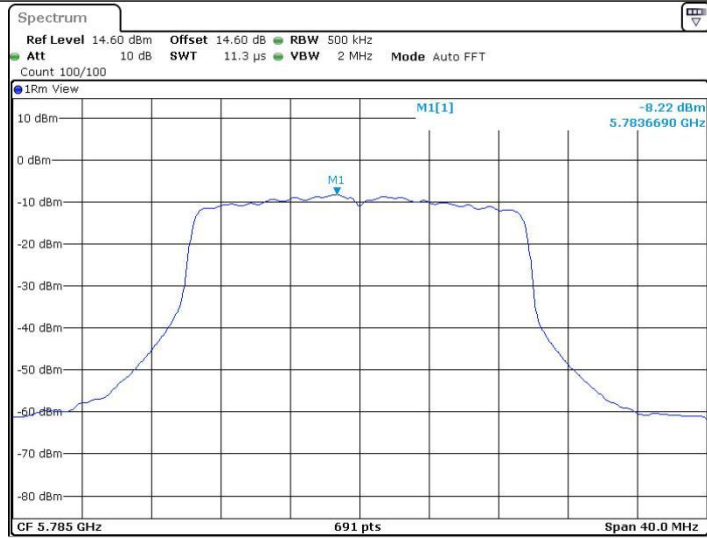
Date: 16 MAY 2024 14:27:03

11AC20SISO_Ant1_5745



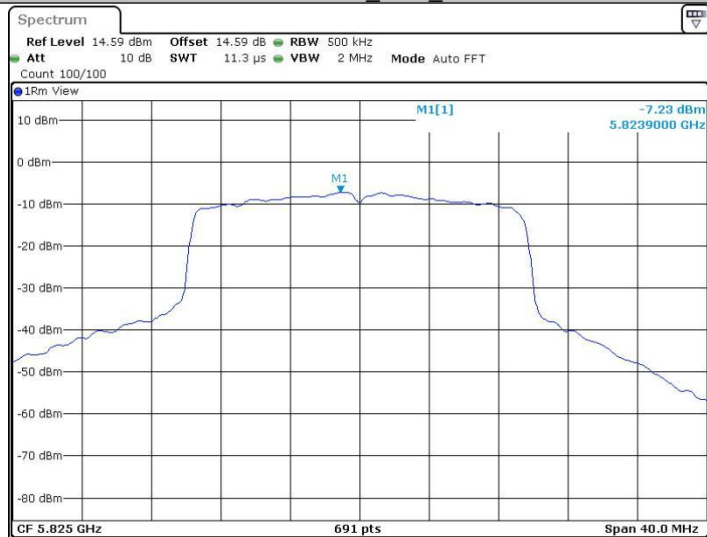
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11AC20SISO_Ant1_5785



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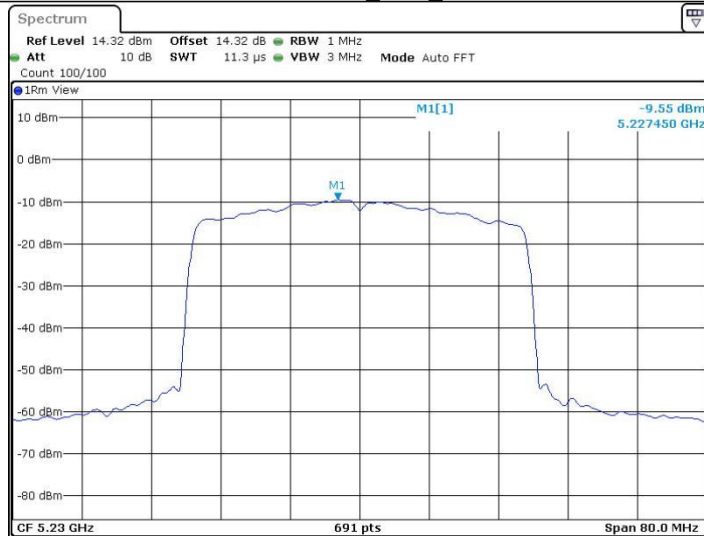
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11AC40SISO_Ant1_5190



Date: 16 MAY 2024 14:38:58

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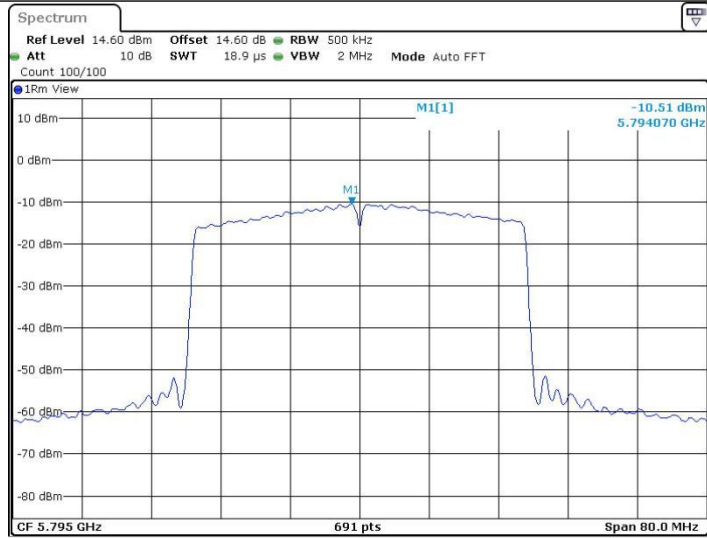
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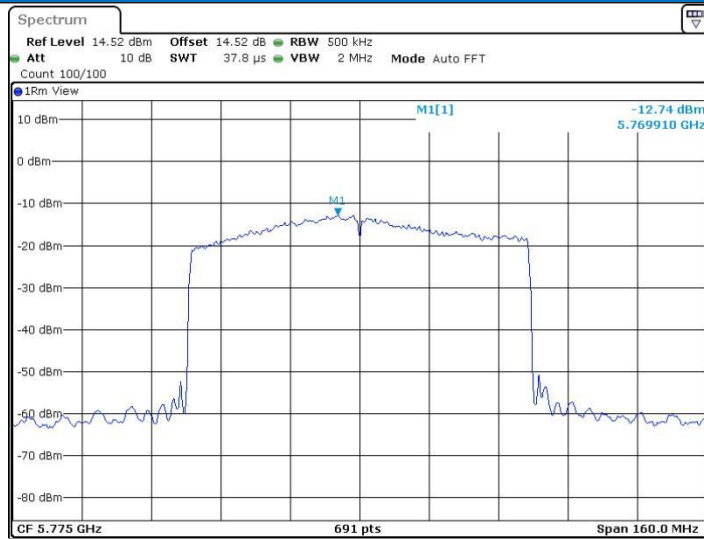
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Date: 16 MAY 2024 14:55:07

11AC80SISO_Ant1_5775



Date: 16 MAY 2024 14:59:51

11AX20SISO_Ant1_5180



Date: 17 MAY 2024 14:52:59

11AX20SISO_Ant1_5200



Date: 17 MAY 2024 14:58:44

11AX20SISO_Ant1_5240



Date: 17.MAY.2024 15:07:14

11AX20SISO_Ant1_5745



Date: 17.MAY.2024 15:11:07

11AX20SISO_Ant1_5785



Date: 17.MAY.2024 15:13:46

11AX20SISO_Ant1_5825



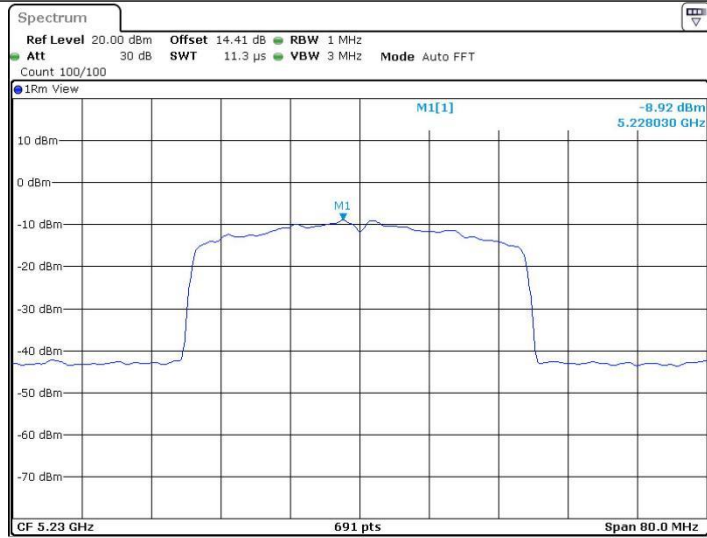
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11AX40SISO_Ant1_5190



Date: 17.MAY.2024 15:18:26

11AX40SISO_Ant1_5230



Date: 17.MAY.2024 15:22:36

11AX40SISO_Ant1_5755



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11AX40SISO_Ant1_5795



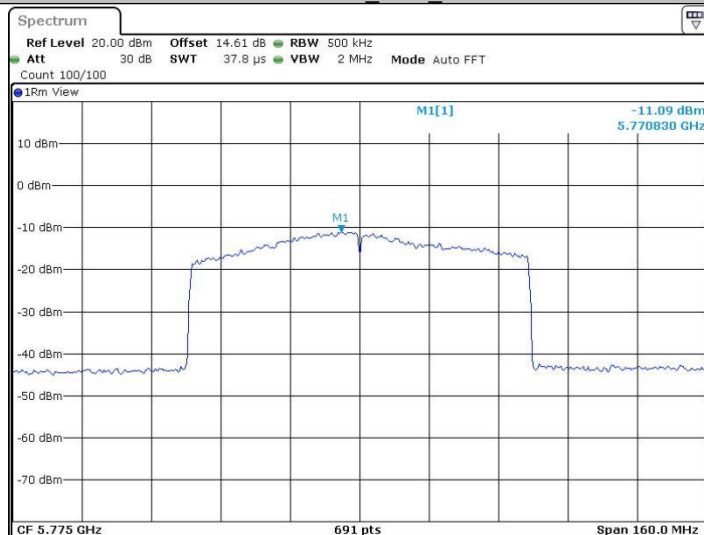
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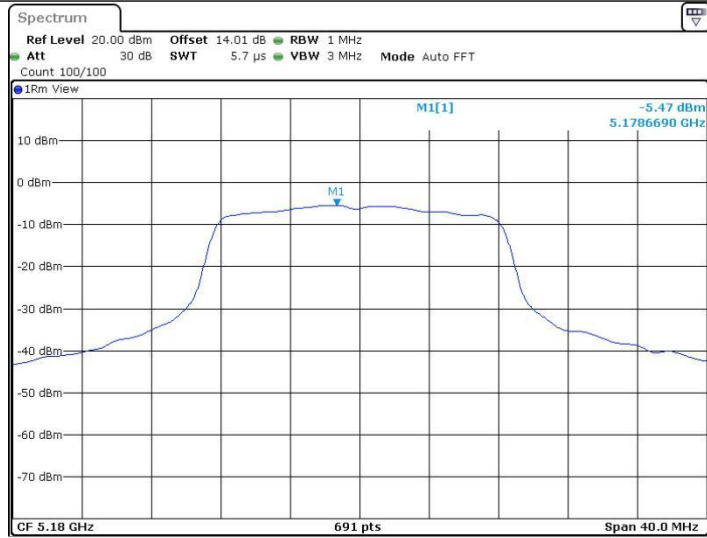
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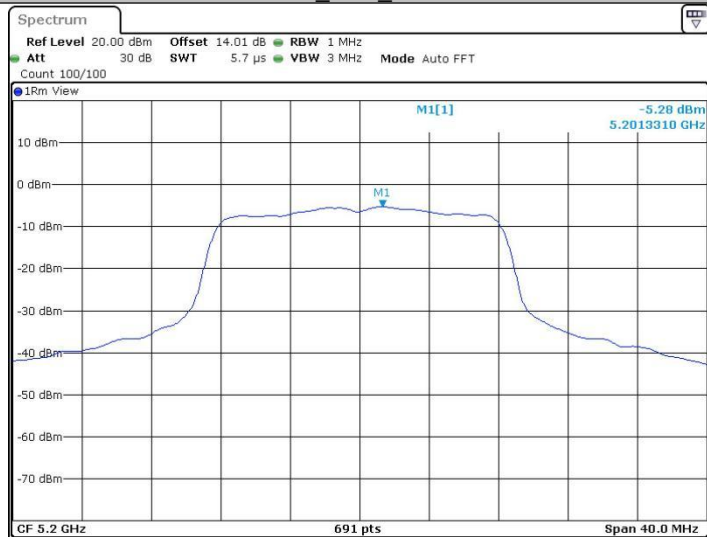
Date: 17.MAY.2024 15:34:58

11A_Ant2_5180



Date: 21.MAY.2024 19:11:55

11A_Ant2_5200



Date: 21.MAY.2024 19:12:52

11A_Ant2_5240



Date: 21 MAY 2024 19:13:58

11A_Ant2_5745



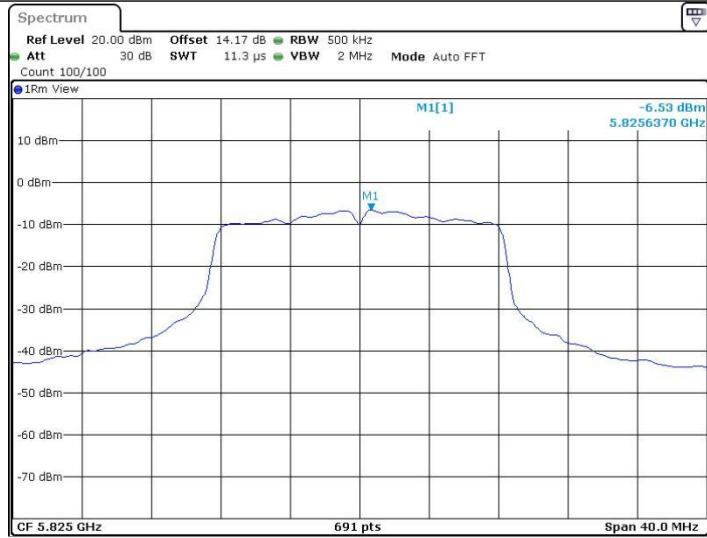
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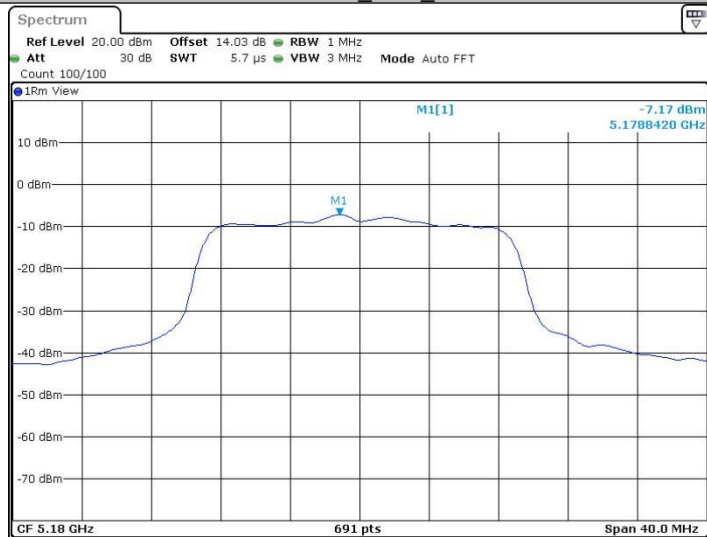
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11A_Ant2_5825



Date: 21.MAY.2024 19:16:30

11N20SISO_Ant2_5180



Date: 21.MAY.2024 19:17:24

11N20SISO_Ant2_5200



Date: 21 MAY 2024 19:22:13

11N20SISO Ant2 5240



Date: 21 MAY 2024 19:22:55

11N20SISO Ant2 5745



Date: 21 MAY 2024 19:23:39

11N20SISO_Ant2_5785



Date: 21.MAY.2024 19:24:24

11N20SISO_Ant2_5825



Date: 21.MAY.2024 19:25:07

11N40SISO_Ant2_5190



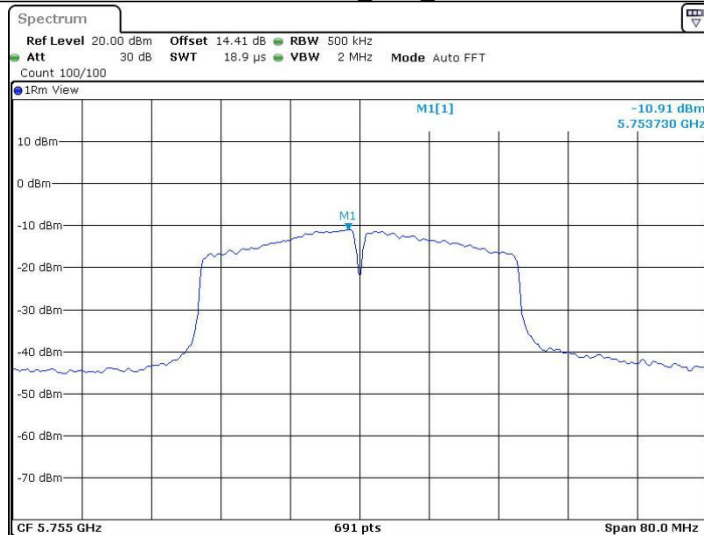
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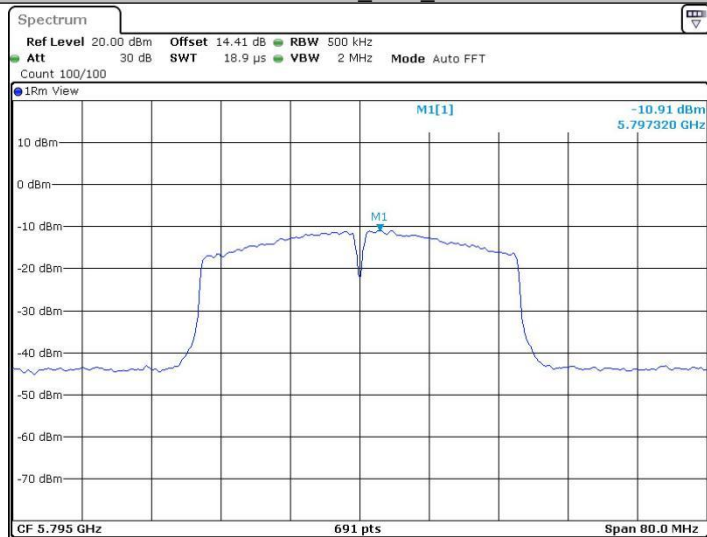
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11N40SISO_Ant2_5755



Date: 21 MAY 2024 19:28:31

11N40SISO_Ant2_5795



Date: 21.MAY.2024 19:29:12

11AC20SISO_Ant2_5180



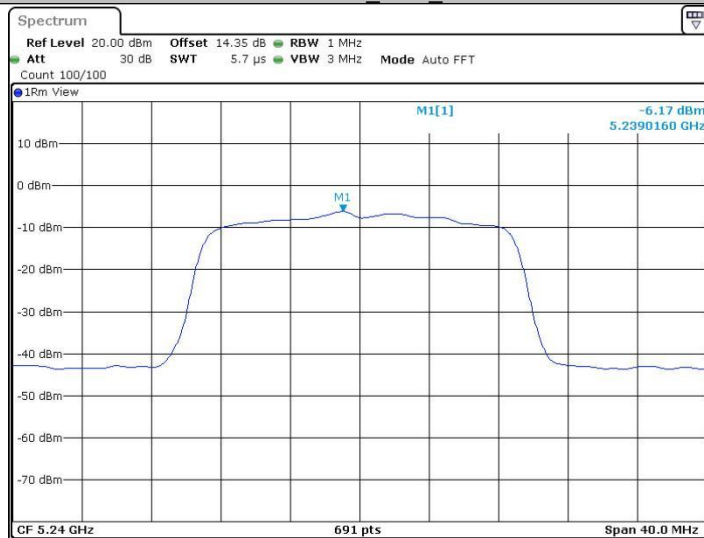
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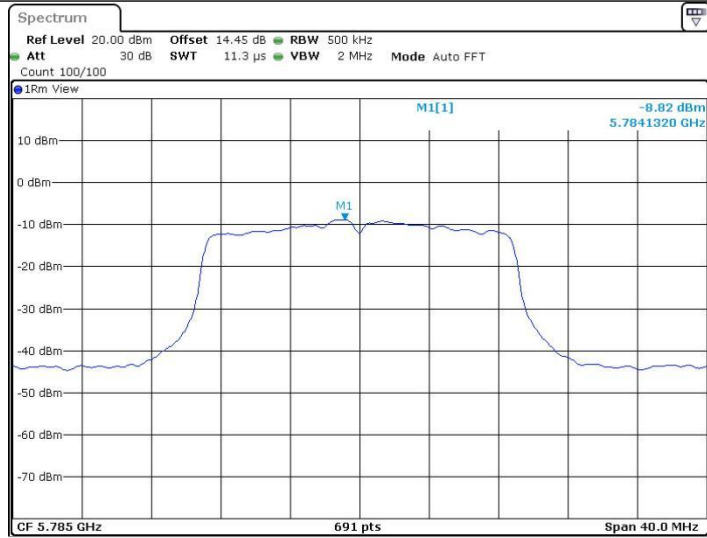
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Date: 21.MAY.2024 19:33:59

11AC20SISO_Ant2_5825



Date: 21.MAY.2024 19:40:25

11AC40SISO_Ant2_5190



Date: 21 MAY 2024 19:41:26

11AC40SISO_Ant2_5230



Date: 21 MAY 2024 19:42:10

11AC40SISO_Ant2_5755



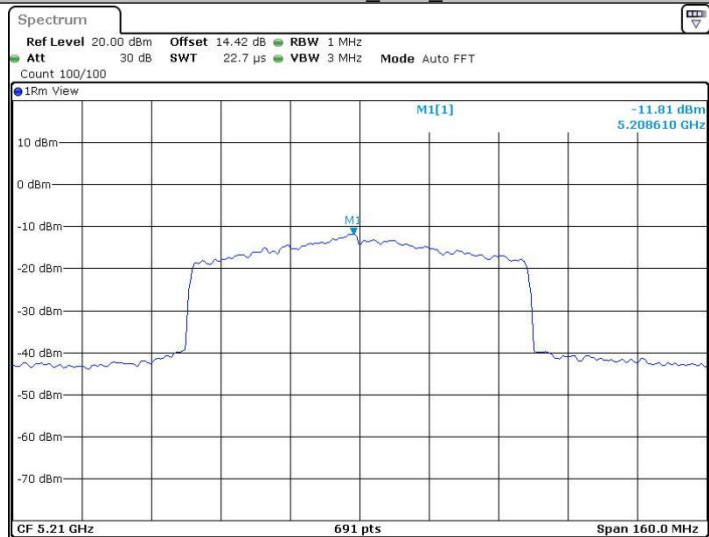
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11AC40SISO_Ant2_5795



Date: 21.MAY.2024 19:44:18

11AC80SISO_Ant2_5210



Date: 21.MAY.2024 19:46:04

11AC80SISO_Ant2_5775