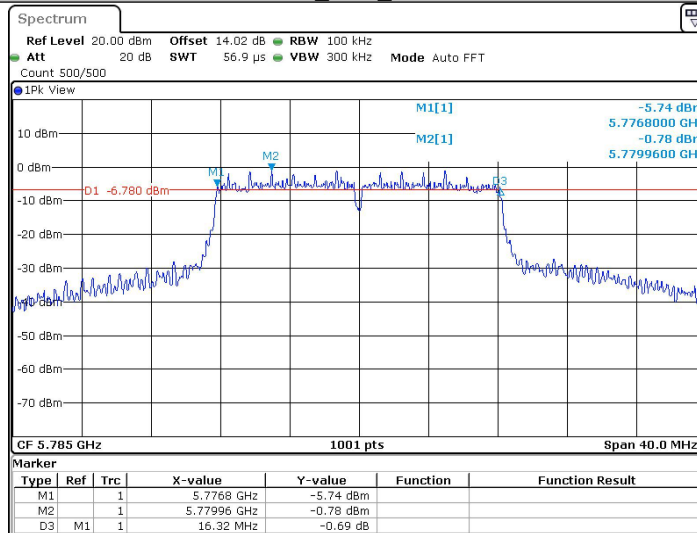
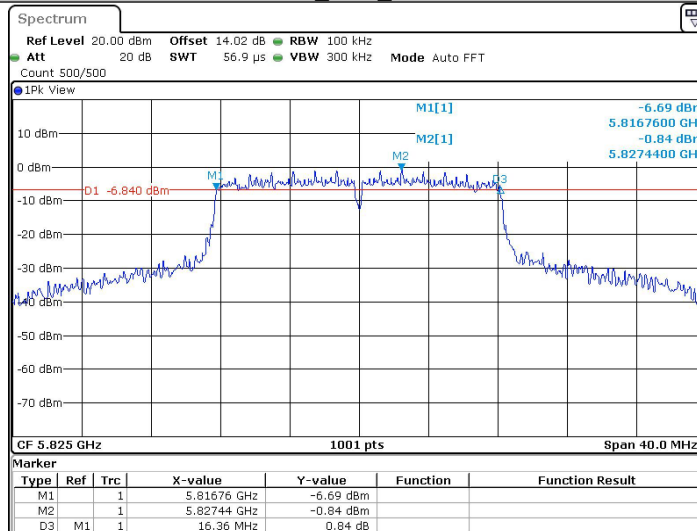


11A_Ant2_5785



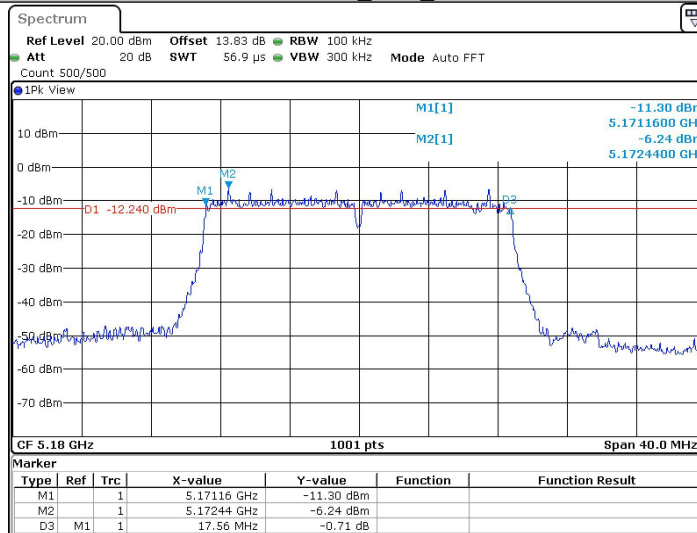
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11A_Ant2_5825



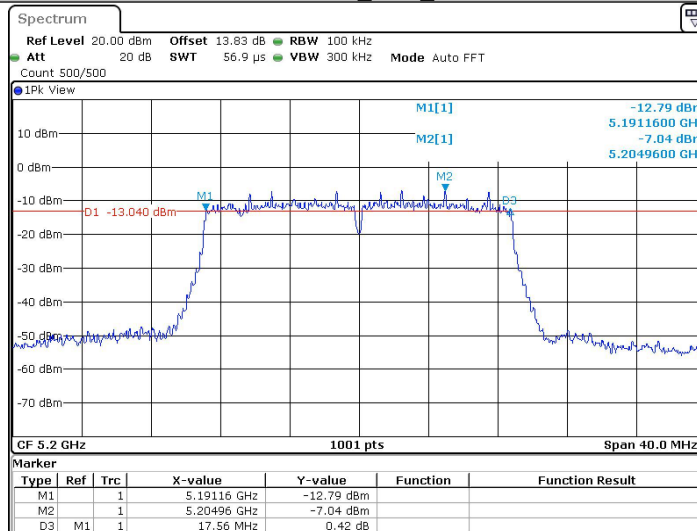
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11N20SISO_Ant2_5180



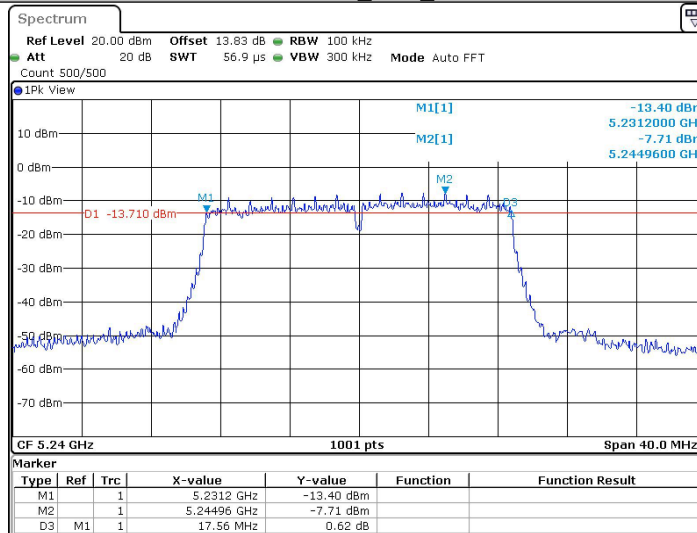
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11N20SISO_Ant2_5200



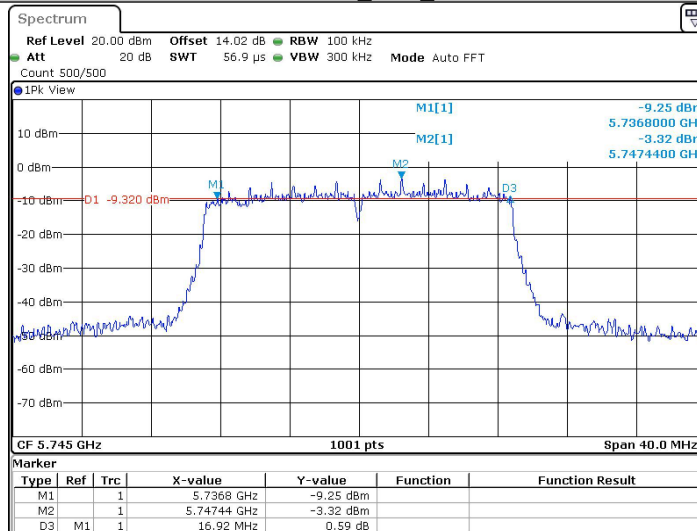
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11N20SISO_Ant2_5240



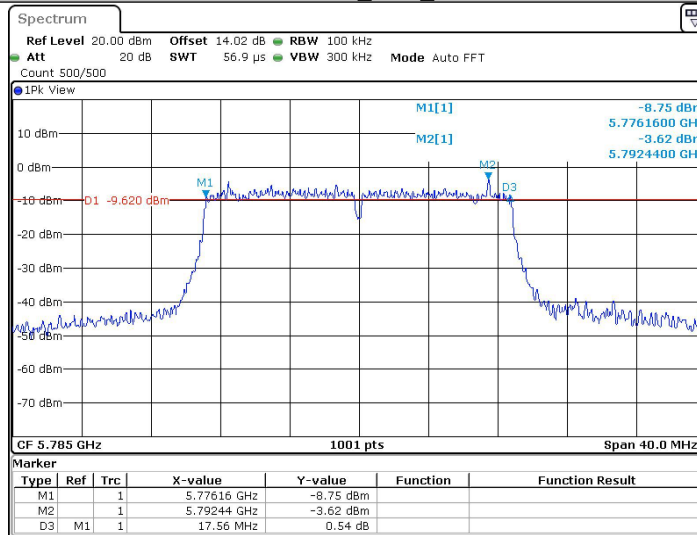
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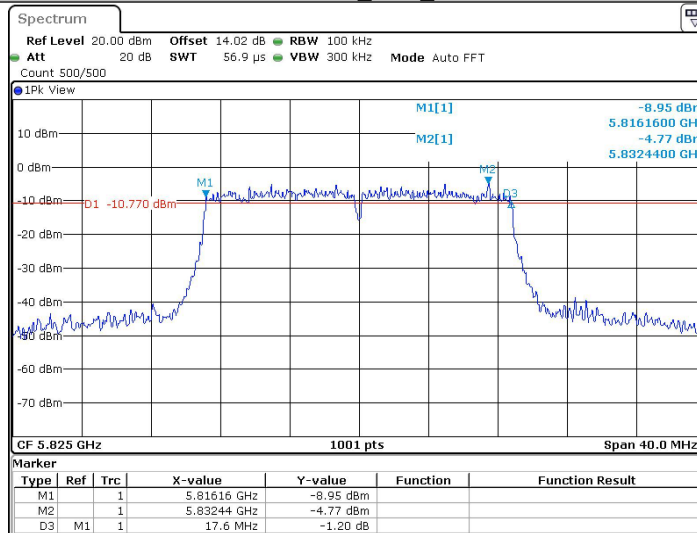
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11N20SISO_Ant2_5785



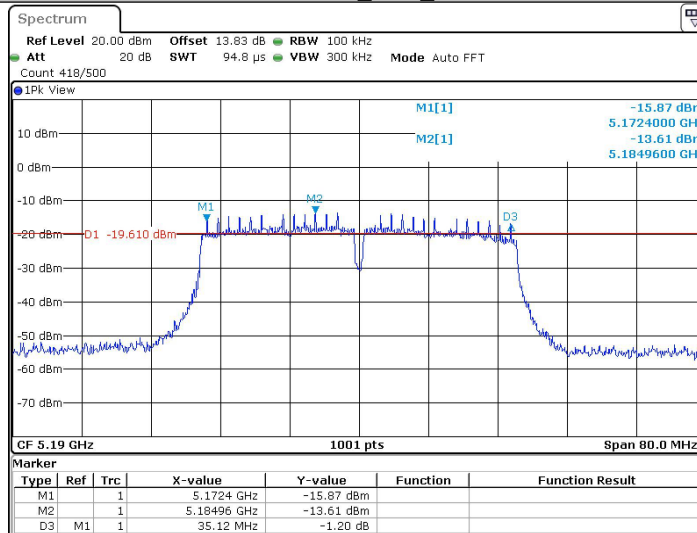
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11N20SISO_Ant2_5825



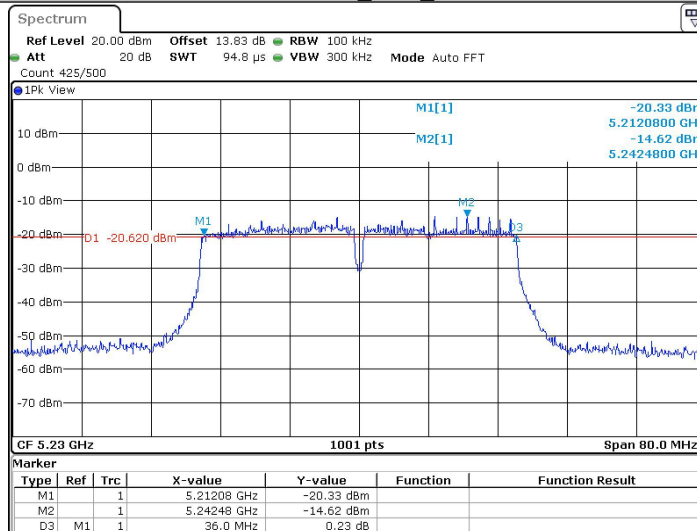
Date: 22.MAR.2024 12:55:42

11N40SISO_Ant2_5190



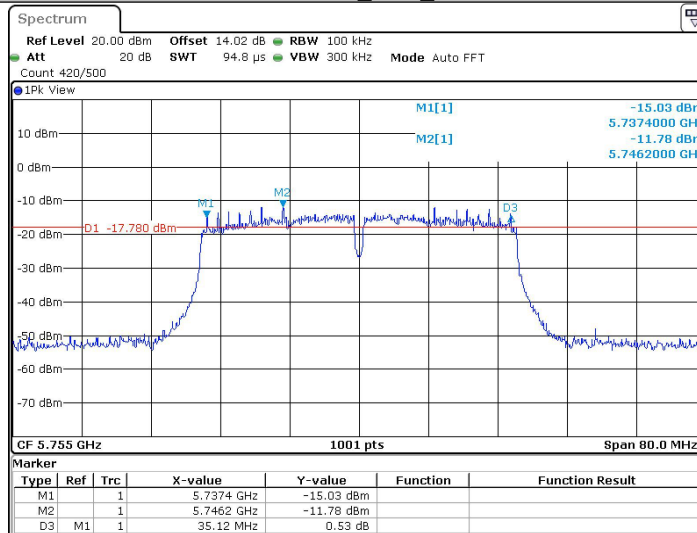
Date: 22.MAR.2024 12:58:45

11N40SISO_Ant2_5230



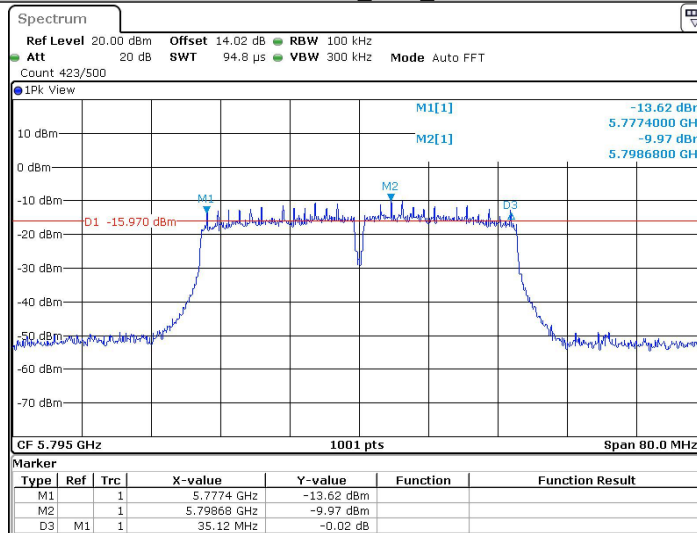
Date: 22.MAR.2024 13:01:47

11N40SISO_Ant2_5755



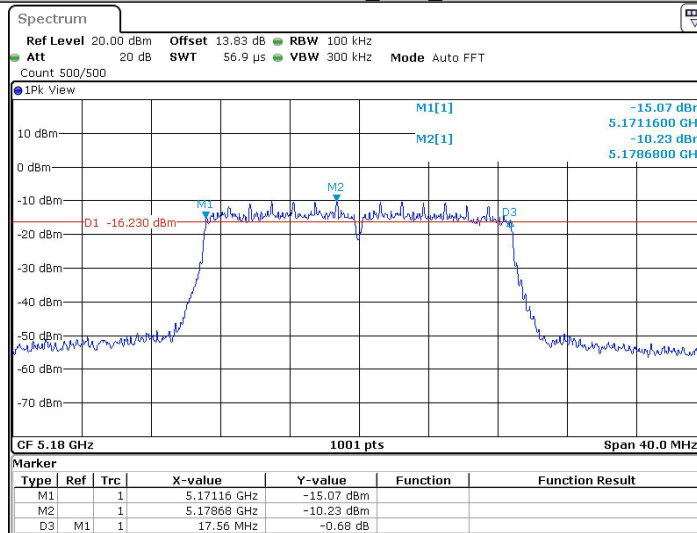
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11N40SISO_Ant2_5795



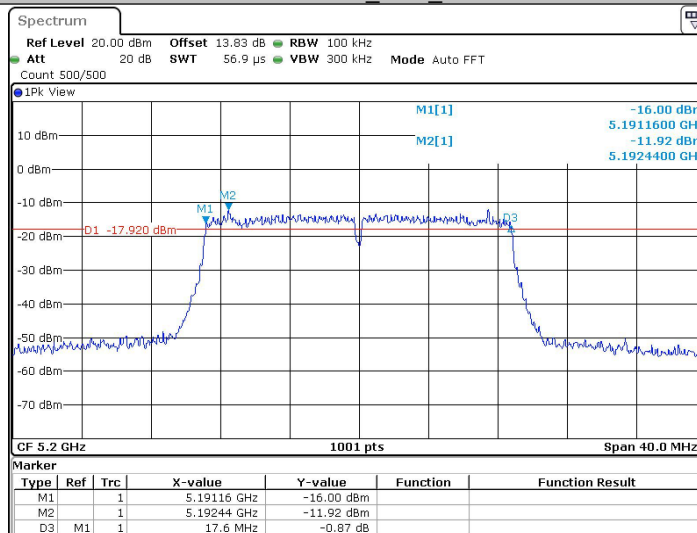
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11AC20SISO_Ant2_5180



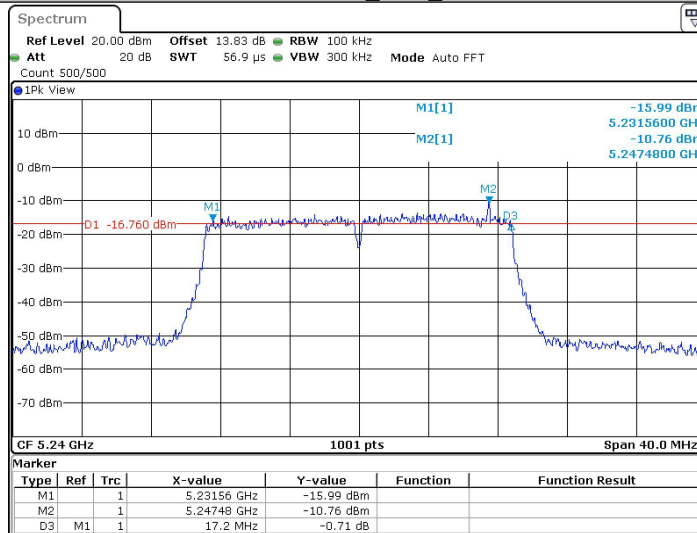
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11AC20SISO_Ant2_5200



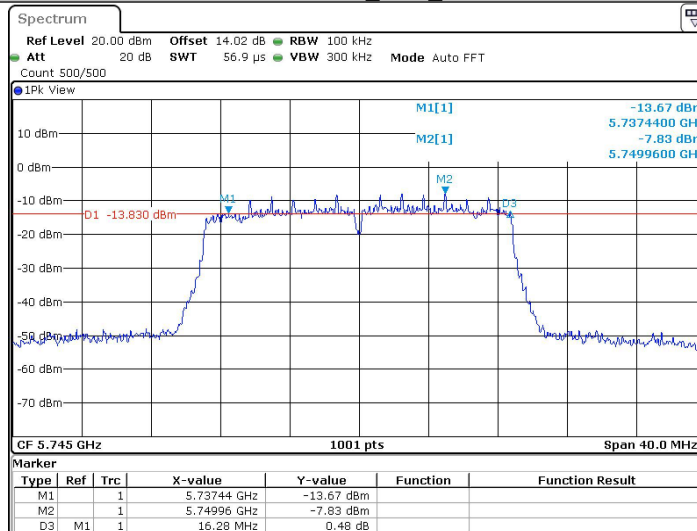
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11AC20SISO_Ant2_5240



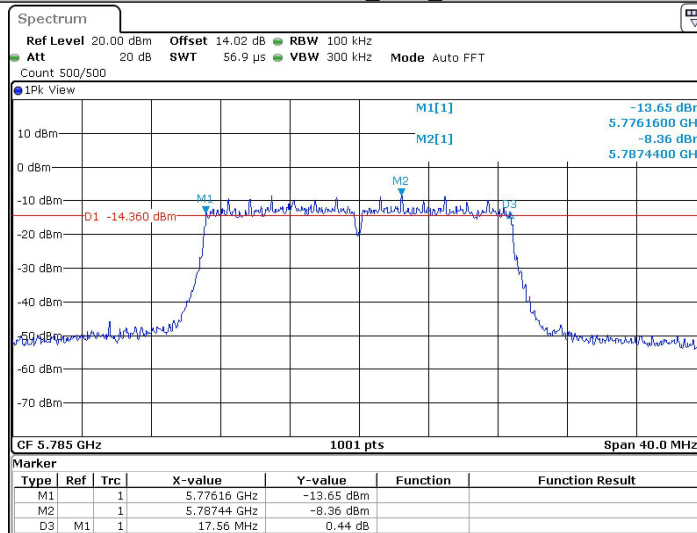
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11AC20SISO_Ant2_5745



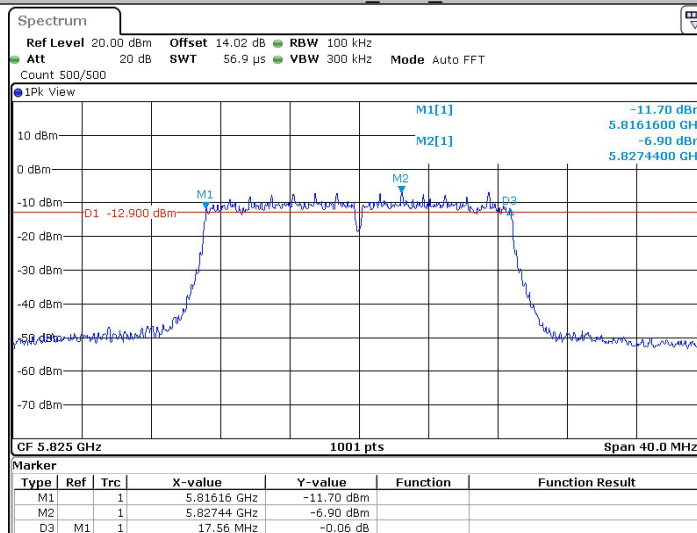
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11AC20SISO_Ant2_5785



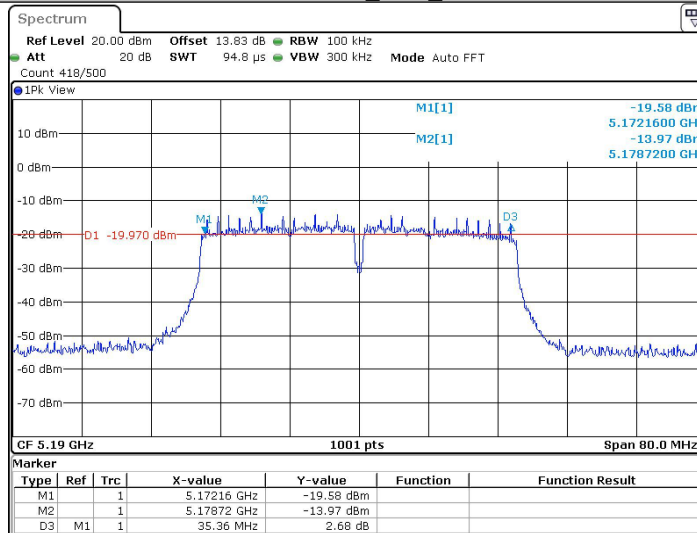
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11AC20SISO_Ant2_5825



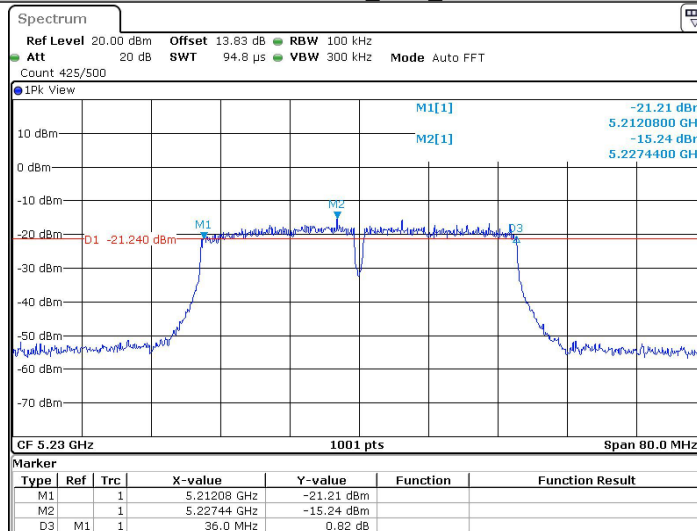
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11AC40SISO_Ant2_5190



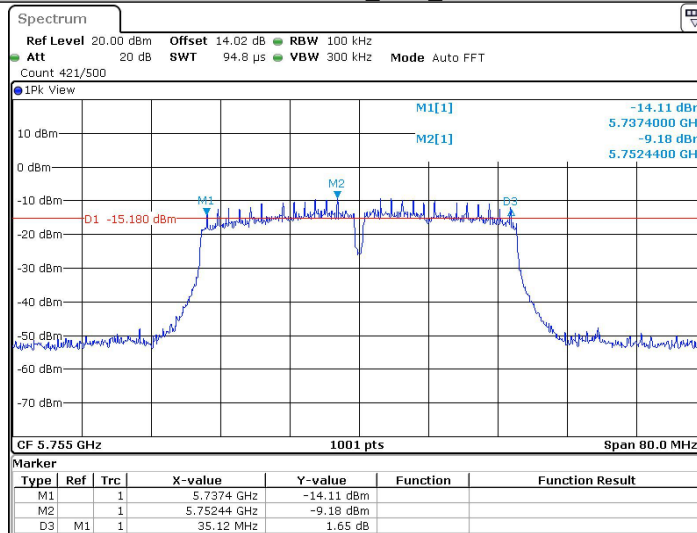
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11AC40SISO_Ant2_5230



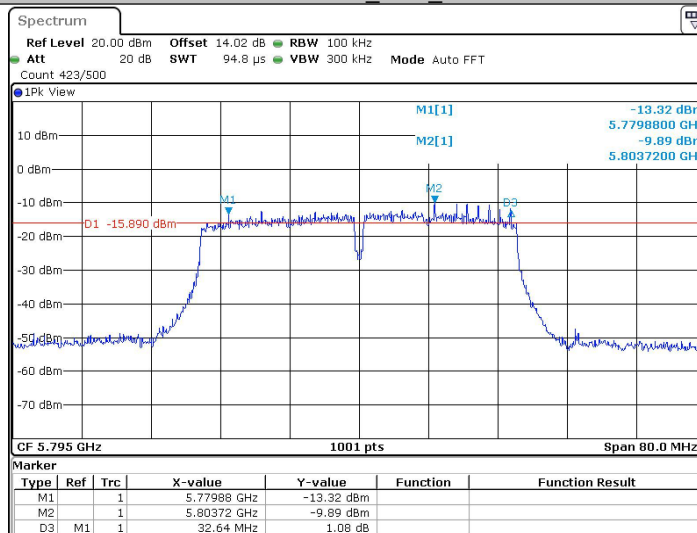
Date: 22.MAR.2024 13:51:45

11AC40SISO_Ant2_5755



Date: 22.MAR.2024 13:54:40

11AC40SISO_Ant2_5795



Date: 22.MAR.2024 13:57:42

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:

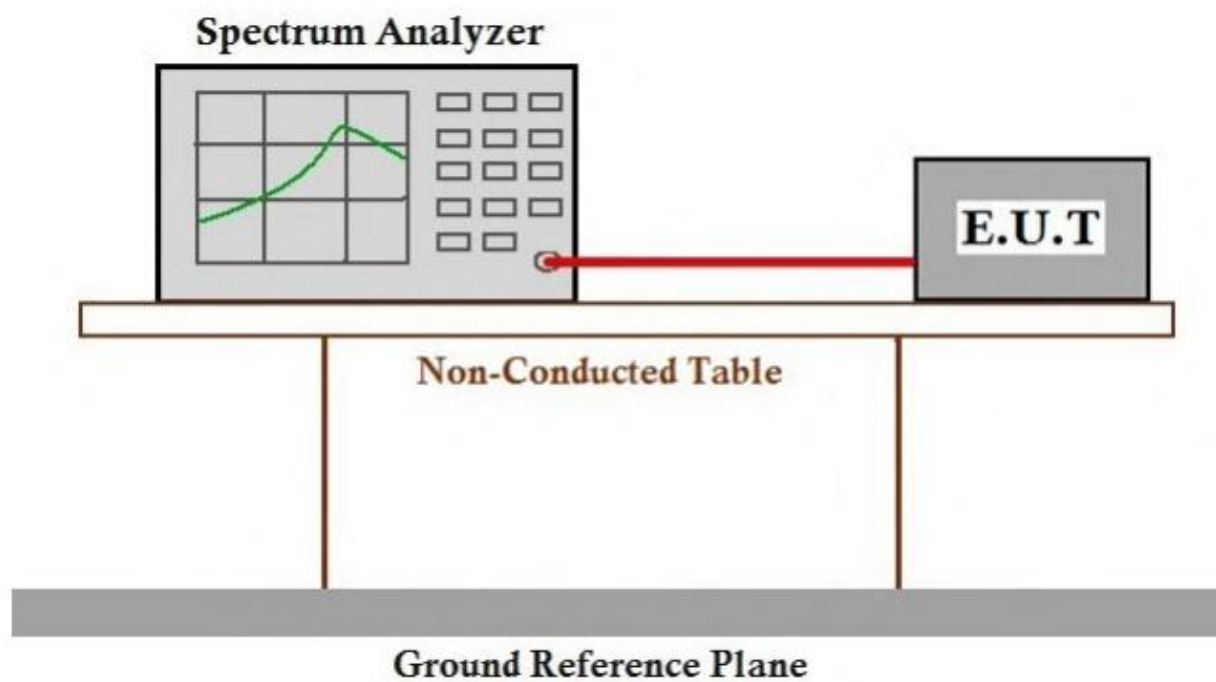
Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
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	4.53	≤23.98	PASS
		5200	10.39	≤23.98	PASS
		5240	9.64	≤23.98	PASS
		5745	13.54	≤30.00	PASS
		5785	13.10	≤30.00	PASS
		5825	13.74	≤30.00	PASS
11N20SISO	Ant1	5180	9.16	≤23.98	PASS
		5200	7.92	≤23.98	PASS
		5240	7.26	≤23.98	PASS
		5745	11.12	≤30.00	PASS
		5785	10.83	≤30.00	PASS
		5825	11.01	≤30.00	PASS
11N40SISO	Ant1	5190	3.76	≤23.98	PASS
		5230	0.24	≤23.98	PASS
		5755	6.70	≤30.00	PASS
		5795	6.49	≤30.00	PASS
11AC20SISO	Ant1	5180	5.13	≤23.98	PASS
		5200	4.94	≤23.98	PASS
		5240	2.72	≤23.98	PASS
		5745	6.47	≤30.00	PASS
		5785	6.21	≤30.00	PASS
		5825	6.91	≤30.00	PASS
11AC40SISO	Ant1	5190	3.90	≤23.98	PASS
		5230	1.39	≤23.98	PASS
		5755	6.66	≤30.00	PASS
		5795	6.57	≤30.00	PASS

ANT2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	8.29	≤23.98	PASS
		5200	7.64	≤23.98	PASS
		5240	7.29	≤23.98	PASS
		5745	11.40	≤30.00	PASS
		5785	10.42	≤30.00	PASS
		5825	11.27	≤30.00	PASS
11N20SISO	Ant2	5180	5.63	≤23.98	PASS
		5200	4.76	≤23.98	PASS
		5240	4.53	≤23.98	PASS
		5745	7.69	≤30.00	PASS
		5785	8.19	≤30.00	PASS
		5825	8.16	≤30.00	PASS
11N40SISO	Ant2	5190	0.44	≤23.98	PASS
		5230	0.98	≤23.98	PASS
		5755	3.32	≤30.00	PASS
		5795	3.67	≤30.00	PASS
11AC20SISO	Ant2	5180	1.94	≤23.98	PASS
		5200	1.43	≤23.98	PASS
		5240	0.65	≤23.98	PASS
		5745	2.94	≤30.00	PASS
		5785	3.22	≤30.00	PASS
		5825	5.25	≤30.00	PASS
11AC40SISO	Ant2	5190	0.61	≤23.98	PASS
		5230	0.37	≤23.98	PASS
		5755	4.52	≤30.00	PASS
		5795	4.40	≤30.00	PASS

ANT1+ANT2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11N20MIM O	Ant1+Ant2	5180	10.75	≤23.2	PASS
		5200	9.63	≤23.2	PASS
		5240	9.12	≤23.2	PASS
		5745	12.75	≤29.67	PASS
		5785	12.72	≤29.67	PASS
		5825	12.83	≤29.67	PASS
11N40MIM O	Ant1+Ant2	5190	5.42	≤23.2	PASS
		5230	3.64	≤23.2	PASS
		5755	8.34	≤29.67	PASS
		5795	8.32	≤29.67	PASS
11AC20MI MO	Ant1+Ant2	5180	6.83	≤23.2	PASS
		5200	6.54	≤23.2	PASS
		5240	4.82	≤23.2	PASS
		5745	8.06	≤29.67	PASS
		5785	7.98	≤29.67	PASS
		5825	9.17	≤29.67	PASS
11AC40MI MO	Ant1+Ant2	5190	5.57	≤23.2	PASS
		5230	3.92	≤23.2	PASS
		5755	8.73	≤29.67	PASS
		5795	8.63	≤29.67	PASS

Remark:

$$Av.Power = Meas.Level + 10 \log(1/duty \text{ cycle})$$

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

$$G = \text{antenna gain in dBi.}$$

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.

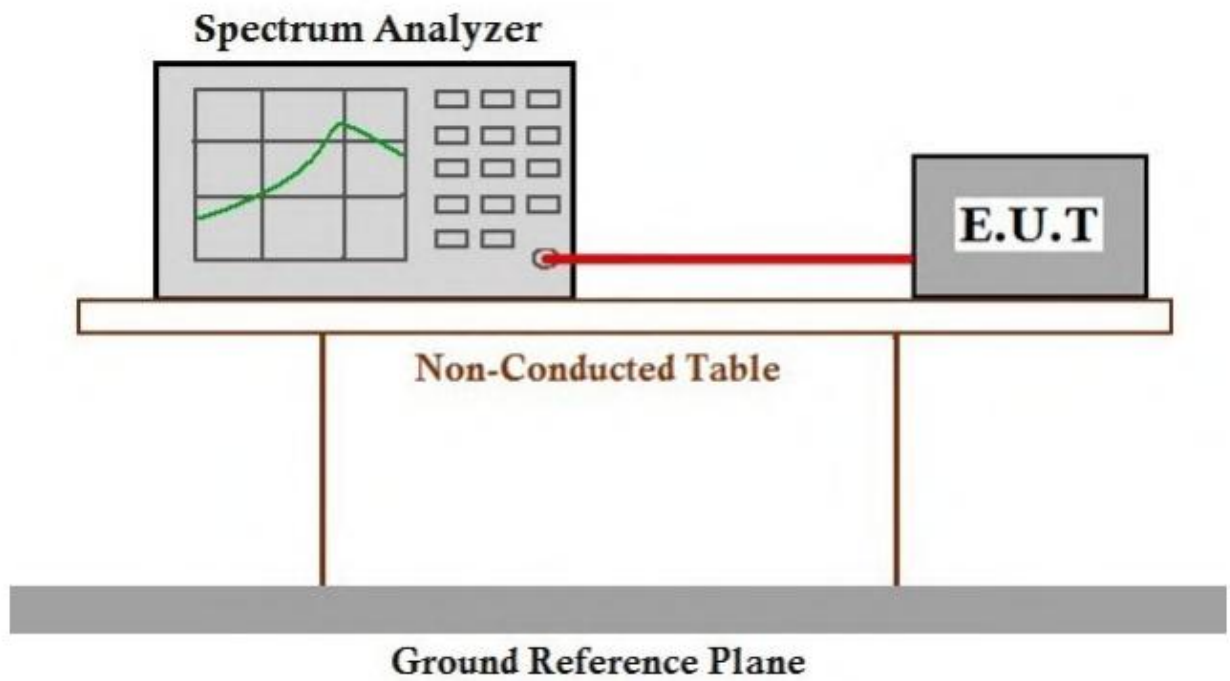
For 5725-5850MHz:

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 master 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	-6.61	≤11.00	PASS
	5200	-1.09	≤11.00	PASS
	5240	-0.96	≤11.00	PASS
	5745	-0.36	≤30.00	PASS
	5785	-1.16	≤30.00	PASS
	5825	-0.51	≤30.00	PASS
11N20SISO	5180	-2.13	≤11.00	PASS
	5200	-3.75	≤11.00	PASS
	5240	-4.06	≤11.00	PASS
	5745	-3.1	≤30.00	PASS
	5785	-3.77	≤30.00	PASS
	5825	-3.16	≤30.00	PASS
11N40SISO	5190	-10.16	≤11.00	PASS
	5230	-14.01	≤11.00	PASS
	5755	-9.63	≤30.00	PASS
	5795	-10.36	≤30.00	PASS
11AC20SISO	5180	-6.6	≤11.00	PASS
	5200	-6.53	≤11.00	PASS
	5240	-8.26	≤11.00	PASS
	5745	-7.8	≤30.00	PASS
	5785	-8.37	≤30.00	PASS
	5825	-7.25	≤30.00	PASS
11AC40SISO	5190	-10.21	≤11.00	PASS
	5230	-12.95	≤11.00	PASS
	5755	-10.24	≤30.00	PASS
	5795	-10.3	≤30.00	PASS

ANT2:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-3.22	≤11.00	PASS
	5200	-3.51	≤11.00	PASS
	5240	-2.92	≤11.00	PASS
	5745	-2.18	≤30.00	PASS
	5785	-3.92	≤30.00	PASS
	5825	-3.12	≤30.00	PASS
11N20SISO	5180	-6.27	≤11.00	PASS
	5200	-6.63	≤11.00	PASS
	5240	-6.6	≤11.00	PASS
	5745	-6.27	≤30.00	PASS
	5785	-6.29	≤30.00	PASS
	5825	-6.38	≤30.00	PASS
11N40SISO	5190	-13.74	≤11.00	PASS
	5230	-13.24	≤11.00	PASS
	5755	-13.92	≤30.00	PASS
	5795	-13.41	≤30.00	PASS
11AC20SISO	5180	-9.96	≤11.00	PASS
	5200	-10.04	≤11.00	PASS
	5240	-10.13	≤11.00	PASS
	5745	-11.25	≤30.00	PASS
	5785	-11.26	≤30.00	PASS
	5825	-9.1	≤30.00	PASS
11AC40SISO	5190	-13.25	≤11.00	PASS
	5230	-13.52	≤11.00	PASS
	5755	-12.36	≤30.00	PASS
	5795	-12.69	≤30.00	PASS