

11G_Ant2_2412



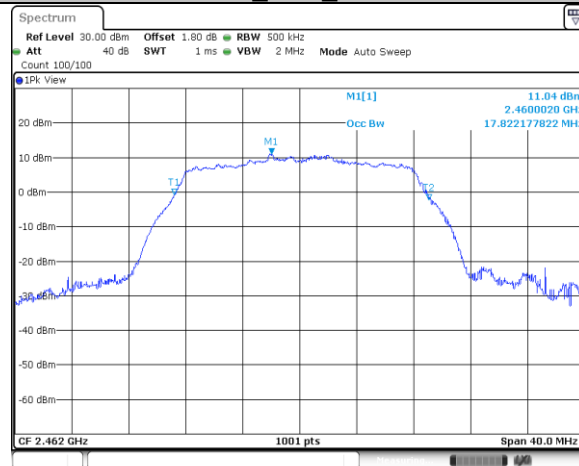
Date: 28 FEB 2024 14:22:15

11G_Ant2_2437



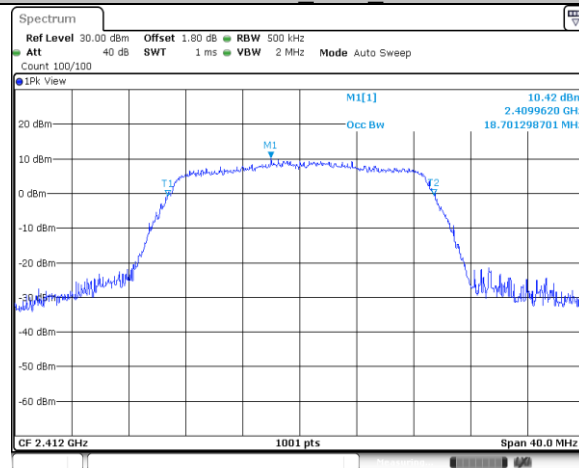
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11G_Ant2_2462



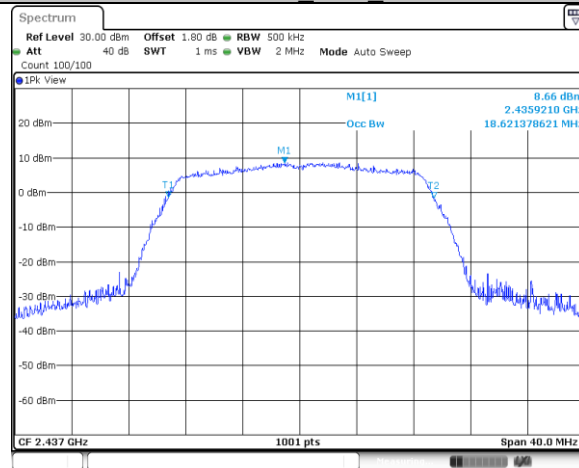
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11N20SISO Ant2 2412



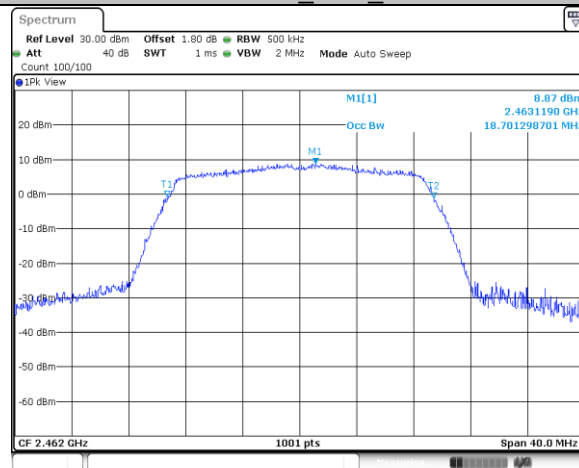
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11N20SISO Ant2 2437



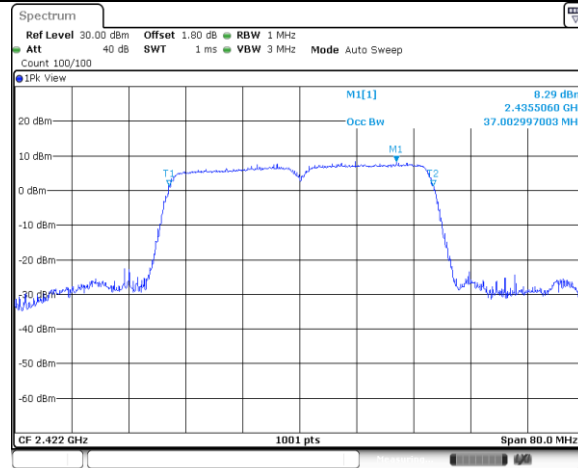
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11N20SISO Ant2 2462



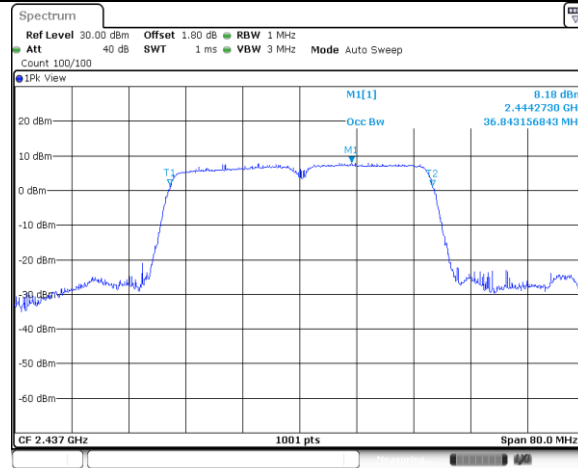
Date: 28 FEB 2024 14:30:08

11N40SISO Ant2 2422



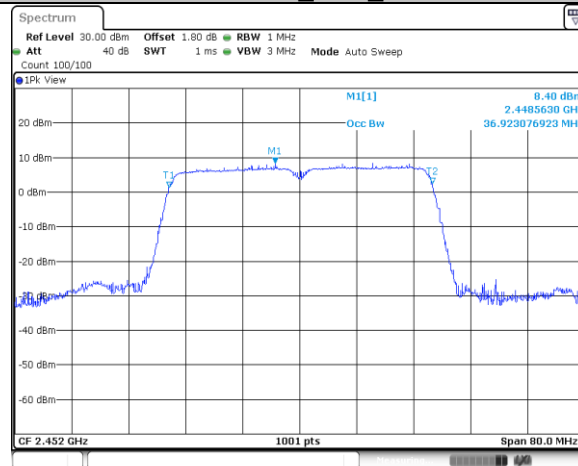
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11N40SISO Ant2 2437



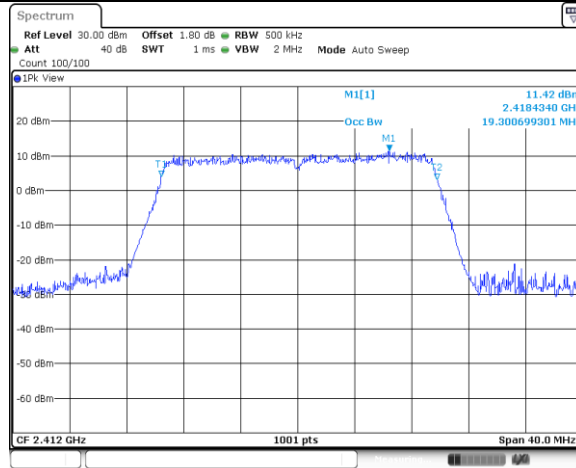
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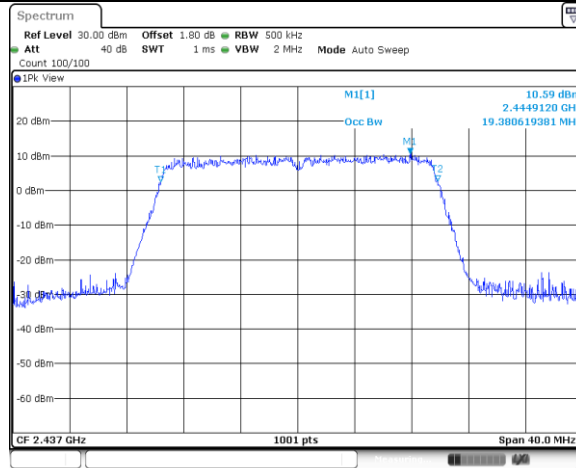
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11AX20SISO Ant2 2412 242Tone RU61



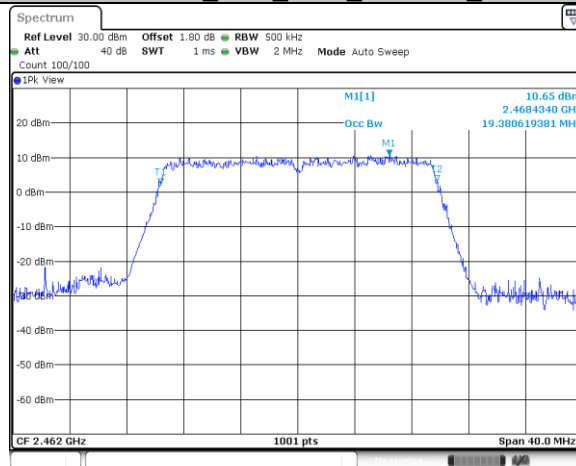
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11AX20SISO Ant2 2437 242Tone RU61



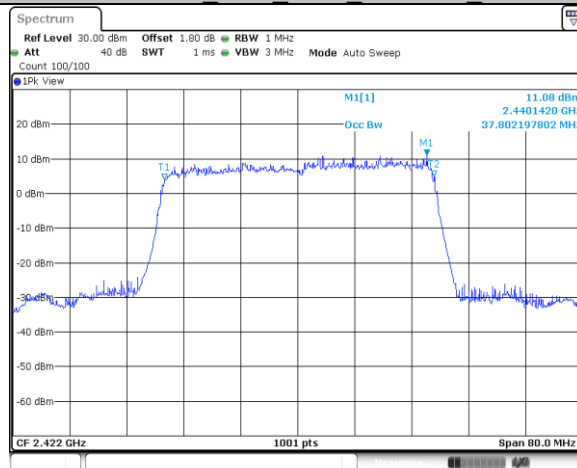
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11AX20SISO Ant2 2462 242Tone RU61



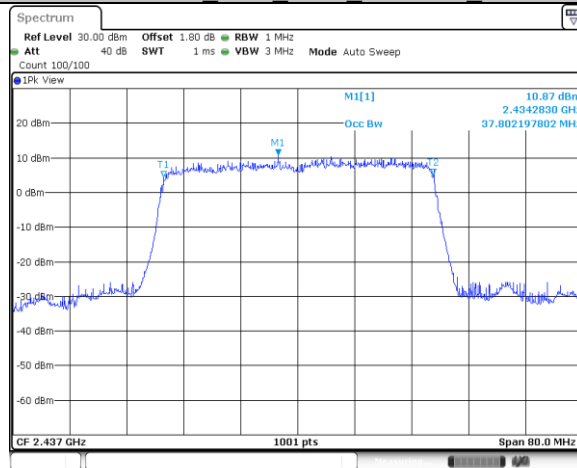
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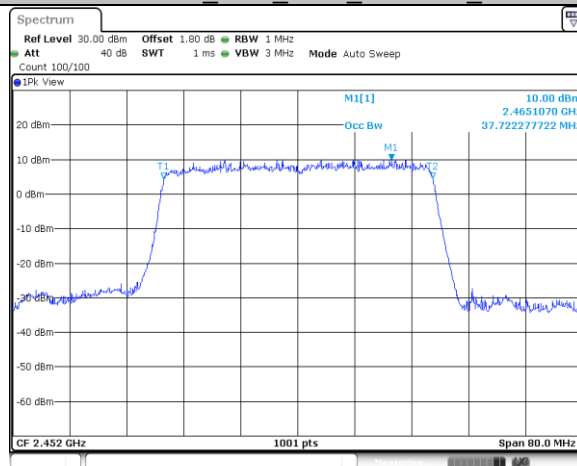
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11AX40SISO Ant2 2437 484Tone RU65



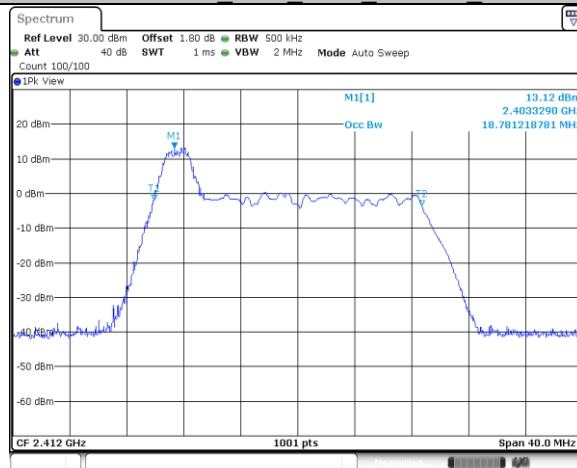
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11AX40SISO Ant2 2452 484Tone RU65



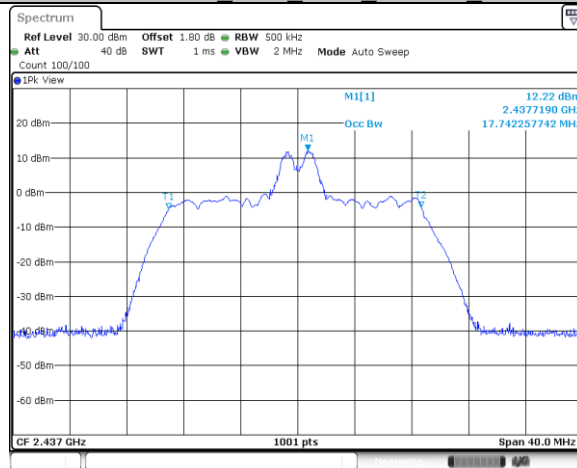
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11AX20SISO Ant2 2412 26Tone RU0



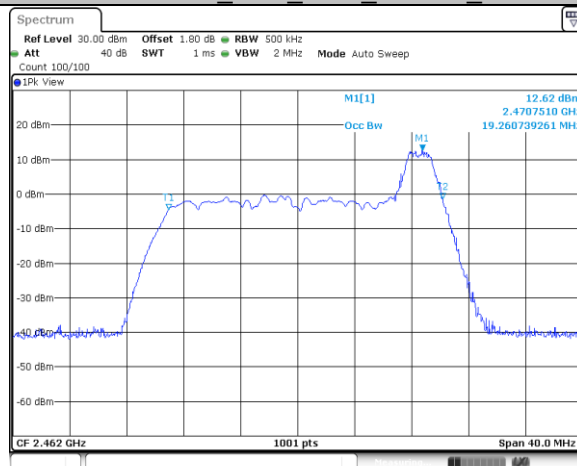
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11AX20SISO Ant2 2437 26Tone RU4



Date: 28 FEB 2024 15:01:03

11AX20SISO Ant2 2462 26Tone RU8



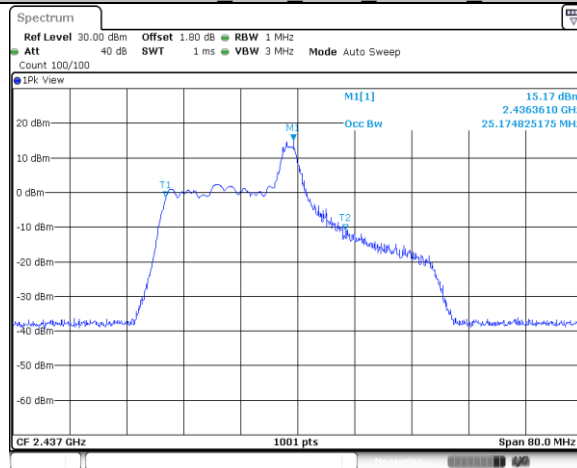
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11AX40SISO Ant2 2422 26Tone RU0



Date: 28 FEB 2024 15:08:56

11AX40SISO Ant2 2437 26Tone RU8



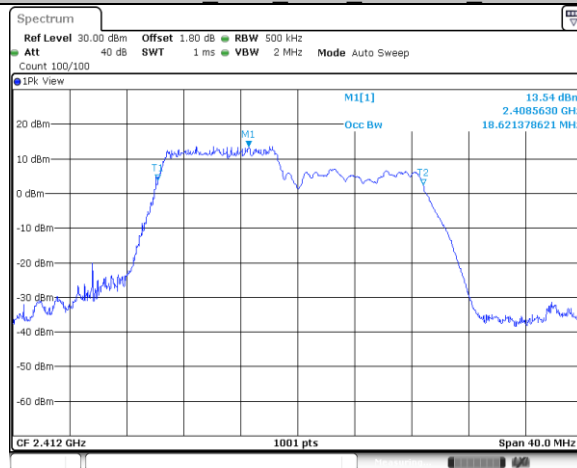
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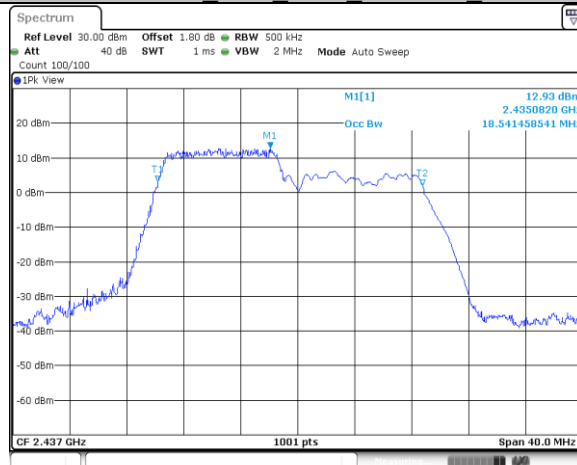
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11AX20SISO Ant2 2412 106Tone RU53



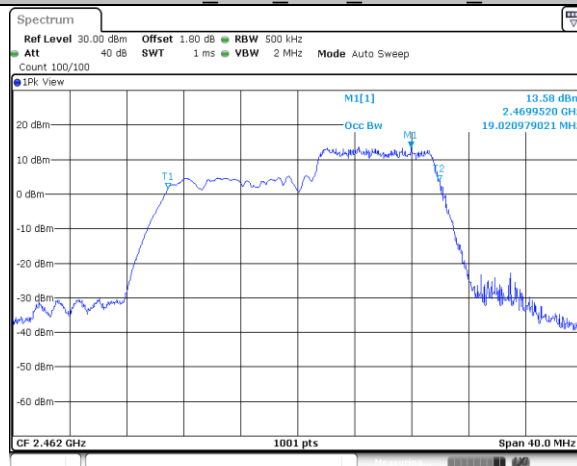
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11AX20SISO Ant2 2437 106Tone RU53



Date: 28 FEB 2024 15:39:40

11AX20SISO Ant2 2462 106Tone RU54



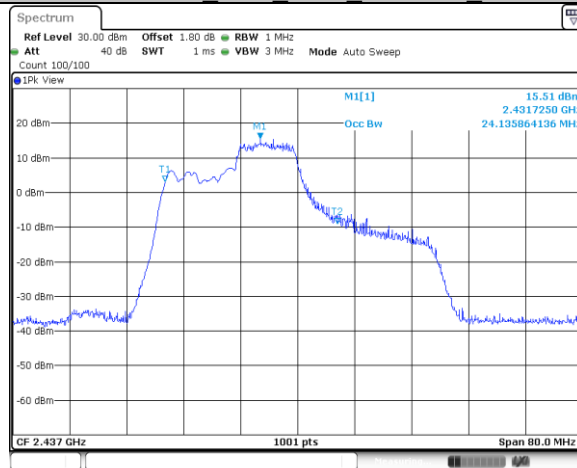
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11AX40SISO Ant2 2422 106Tone RU53



Date: 28 FEB 2024 15:44:08

11AX40SISO Ant2 2437 106Tone RU54



Date: 28 FEB 2024 15:45:59

11AX40SISO Ant2 2452 106Tone RU56



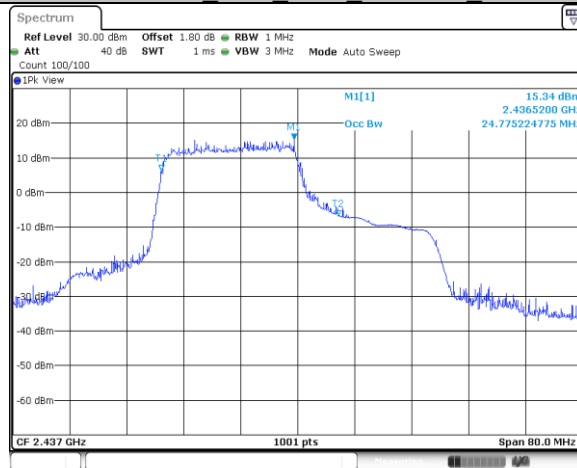
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11AX40SISO Ant2 2422 242Tone RU61



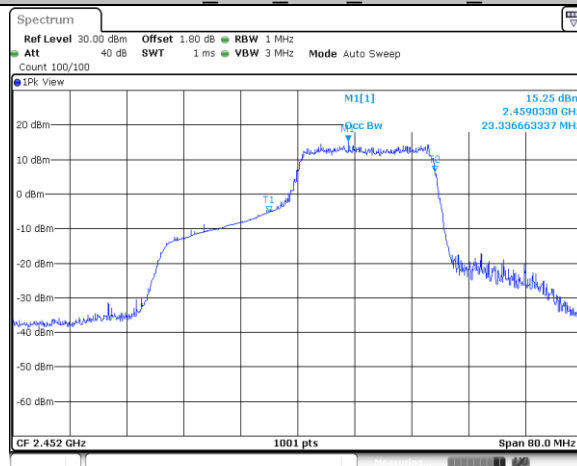
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11AX40SISO Ant2 2437 242Tone RU61



Date: 28 FEB 2024 15:54:57

11AX40SISO Ant2 2452 242Tone RU62



Date: 28 FEB 2024 15:57:26

9.4 Power Spectral Density

Test Method

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance:

1. The RF output of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
4. Set analyzer center frequency to DTS channel center frequency. RBW=3kHz, VBW $\geq$ 3RBW, Span=1.5 times DTS bandwidth, Detector=Peak, Sweep=auto, Trace= max hold.
5. Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
6. Repeat above procedures until other frequencies measured were completed.

Limit

Limit [dBm/3KHz]

≤ 8

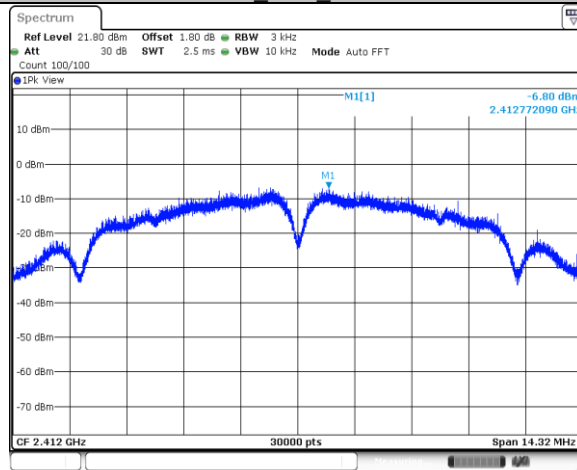
TestMode	Antenna	Channel[dBm]	Result[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
11B	Ant1	2412	-6.8	<=8	PASS
		2437	-6.85	<=8	PASS
		2462	-5.94	<=8	PASS
11G	Ant1	2412	-7.34	<=8	PASS
		2437	-7.67	<=8	PASS
		2462	-7.64	<=8	PASS
11N20SISO	Ant1	2412	-9.88	<=8	PASS
		2437	-9.17	<=8	PASS
		2462	-9.92	<=8	PASS
11N40SISO	Ant1	2422	-14.5	<=8	PASS
		2437	-14.52	<=8	PASS
		2452	-13.99	<=8	PASS
11AX20SISO	Ant1	2412 242Tone RU61	-11.22	<=8	PASS
		2437 242Tone RU61	-11.8	<=8	PASS
		2462 242Tone RU61	-11.77	<=8	PASS
11AX40SISO	Ant1	2422 484Tone RU65	-14.13	<=8	PASS
		2437 484Tone RU65	-13.68	<=8	PASS
		2452 484Tone RU65	-14.23	<=8	PASS
11AX20SISO	Ant1	2412 26Tone RU0	-6.53	<=8	PASS
		2437 26Tone RU4	-7.88	<=8	PASS
		2462 26Tone RU8	-7.96	<=8	PASS
11AX40SISO	Ant1	2422 26Tone RU0	-11.77	<=8	PASS
		2437 26Tone RU8	-9.9	<=8	PASS
		2452 26Tone RU17	-11.97	<=8	PASS
11AX20SISO	Ant1	2412 52Tone RU37	-8.23	<=8	PASS
		2437 52Tone RU38	-8.22	<=8	PASS
		2462 52Tone RU40	-7.77	<=8	PASS
11AX40SISO	Ant1	2422 52Tone RU37	-9.91	<=8	PASS
		2437 52Tone RU40	-9.22	<=8	PASS
		2452 52Tone RU44	-9.57	<=8	PASS
11AX20SISO	Ant1	2412 106Tone RU53	-9.8	<=8	PASS
		2437 106Tone RU53	-9.86	<=8	PASS
		2462 106Tone RU54	-9.17	<=8	PASS
11AX40SISO	Ant1	2422 106Tone RU53	-10.96	<=8	PASS
		2437 106Tone RU54	-10.39	<=8	PASS
		2452 106Tone RU56	-11.47	<=8	PASS
11AX40SISO	Ant1	2422 242Tone RU61	-10.18	<=8	PASS
		2437 242Tone RU61	-10.31	<=8	PASS
		2452 242Tone RU62	-10.44	<=8	PASS

TestMode	Antenna	Channel[dBm]	Result[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
11B	Ant2	2412	-6.05	<=8	PASS
		2437	-5.43	<=8	PASS
		2462	-5.26	<=8	PASS
11G	Ant2	2412	-7.3	<=8	PASS
		2437	-8.17	<=8	PASS
		2462	-7.72	<=8	PASS
11N20SISO	Ant2	2412	-9.35	<=8	PASS
		2437	-9.53	<=8	PASS
		2462	-9.6	<=8	PASS
11N40SISO	Ant2	2422	-14.62	<=8	PASS
		2437	-14.47	<=8	PASS
		2452	-13.79	<=8	PASS
11AX20SISO	Ant2	2412 242Tone RU61	-11.24	<=8	PASS
		2437 242Tone RU61	-11.2	<=8	PASS
		2462 242Tone RU61	-11.51	<=8	PASS
11AX40SISO	Ant2	2422 484Tone RU65	-13.22	<=8	PASS
		2437 484Tone RU65	-13.92	<=8	PASS
		2452 484Tone RU65	-14.25	<=8	PASS
11AX20SISO	Ant2	2412 26Tone RU0	-9.46	<=8	PASS
		2437 26Tone RU4	-9.34	<=8	PASS
		2462 26Tone RU8	-9.62	<=8	PASS
11AX40SISO	Ant2	2422 26Tone RU0	-11.77	<=8	PASS
		2437 26Tone RU8	-10.39	<=8	PASS
		2452 26Tone RU17	-10.92	<=8	PASS
11AX20SISO	Ant1	2412 52Tone RU37	-8.91	<=8	PASS
		2437 52Tone RU38	-9.15	<=8	PASS
		2462 52Tone RU40	-8.71	<=8	PASS
11AX40SISO	Ant1	2422 52Tone RU37	-11.94	<=8	PASS
		2437 52Tone RU40	-10.24	<=8	PASS
		2452 52Tone RU44	-10.4	<=8	PASS
11AX20SISO	Ant2	2412 106Tone RU53	-9.53	<=8	PASS
		2437 106Tone RU53	-9.16	<=8	PASS
		2462 106Tone RU54	-9.31	<=8	PASS
11AX40SISO	Ant2	2422 106Tone RU53	-12.22	<=8	PASS
		2437 106Tone RU54	-10.07	<=8	PASS
		2452 106Tone RU56	-12.03	<=8	PASS
11AX40SISO	Ant2	2422 242Tone RU61	-10.84	<=8	PASS
		2437 242Tone RU61	-9.95	<=8	PASS
		2452 242Tone RU62	-9.98	<=8	PASS

TestMode	Antenna	Channel[dBm]	Result[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
11B	Ant1+Ant2	2412	-6.05	<=8	PASS
		2437	-5.43	<=8	PASS
		2462	-5.26	<=8	PASS
11G	Ant1+Ant2	2412	-7.3	<=8	PASS
		2437	-8.17	<=8	PASS
		2462	-7.72	<=8	PASS
11N20SISO	Ant1+Ant2	2412	-9.35	<=8	PASS
		2437	-9.53	<=8	PASS
		2462	-9.6	<=8	PASS
11N40SISO	Ant1+Ant2	2422	-14.62	<=8	PASS
		2437	-14.47	<=8	PASS
		2452	-13.79	<=8	PASS
11AX20SISO	Ant1+Ant2	2412 242Tone RU61	-11.24	<=8	PASS
		2437 242Tone RU61	-11.2	<=8	PASS
		2462 242Tone RU61	-11.51	<=8	PASS
11AX40SISO	Ant1+Ant2	2422 484Tone RU65	-13.22	<=8	PASS
		2437 484Tone RU65	-13.92	<=8	PASS
		2452 484Tone RU65	-14.25	<=8	PASS
11AX20SISO	Ant1+Ant2	2412 26Tone RU0	-9.46	<=8	PASS
		2437 26Tone RU4	-9.34	<=8	PASS
		2462 26Tone RU8	-9.62	<=8	PASS
11AX40SISO	Ant1+Ant2	2422 26Tone RU0	-11.77	<=8	PASS
		2437 26Tone RU8	-10.39	<=8	PASS
		2452 26Tone RU17	-10.92	<=8	PASS
11AX20SISO	Ant1+Ant2	2412 52Tone RU37	-8.91	<=8	PASS
		2437 52Tone RU38	-9.15	<=8	PASS
		2462 52Tone RU40	-8.71	<=8	PASS
11AX40SISO	Ant1+Ant2	2422 52Tone RU37	-11.94	<=8	PASS
		2437 52Tone RU40	-10.24	<=8	PASS
		2452 52Tone RU44	-10.4	<=8	PASS
11AX20SISO	Ant1+Ant2	2412 106Tone RU53	-9.53	<=8	PASS
		2437 106Tone RU53	-9.16	<=8	PASS
		2462 106Tone RU54	-9.31	<=8	PASS
11AX40SISO	Ant1+Ant2	2422 106Tone RU53	-12.22	<=8	PASS
		2437 106Tone RU54	-10.07	<=8	PASS
		2452 106Tone RU56	-12.03	<=8	PASS
11AX40SISO	Ant1+Ant2	2422 242Tone RU61	-10.84	<=8	PASS
		2437 242Tone RU61	-9.95	<=8	PASS
		2452 242Tone RU62	-9.98	<=8	PASS

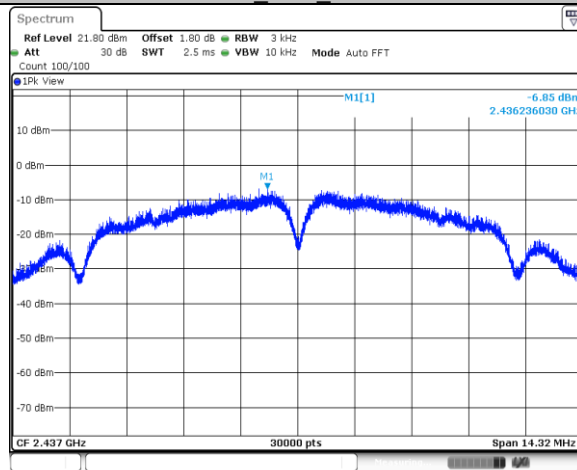
$$PSD_{SUM} = 10 * \log(10^{(PSD_{Ant1/10})} + 10^{(PSD_{Ant2/10})})$$

11B_Ant1_2412



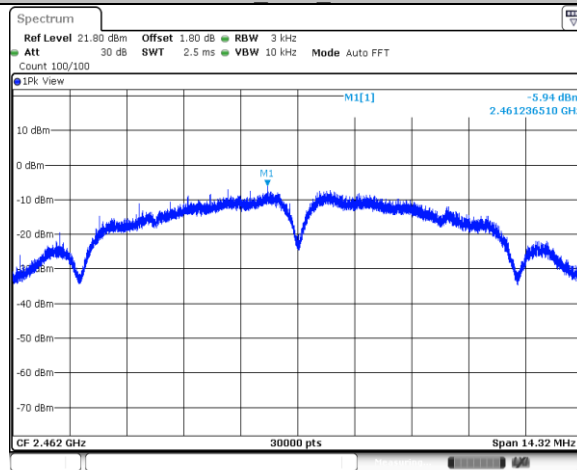
Date: 26 FEB 2024 16:07:18

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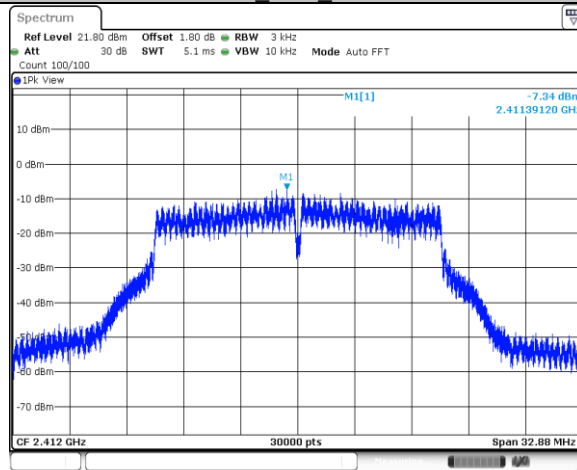
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11B_Ant1_2462



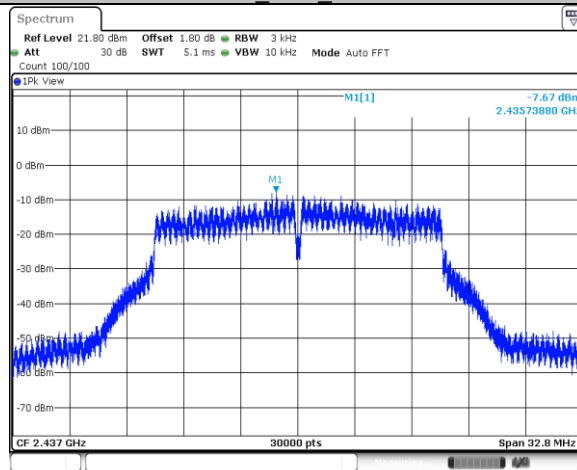
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11G_Ant1_2412



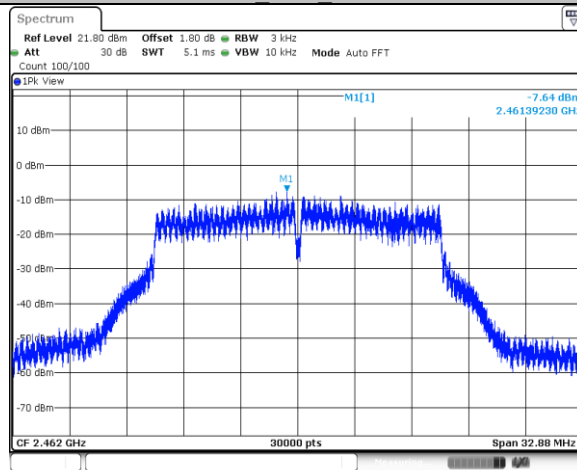
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11G_Ant1_2437



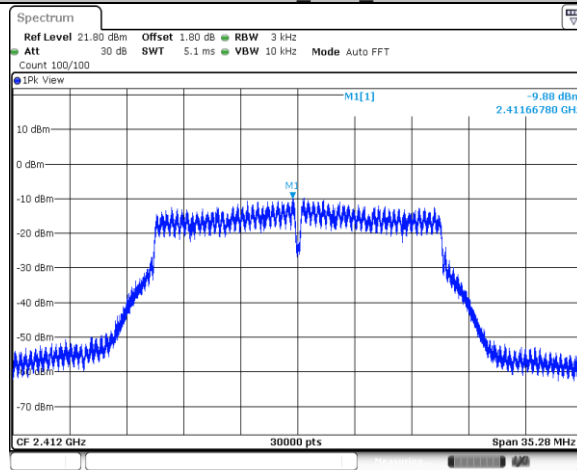
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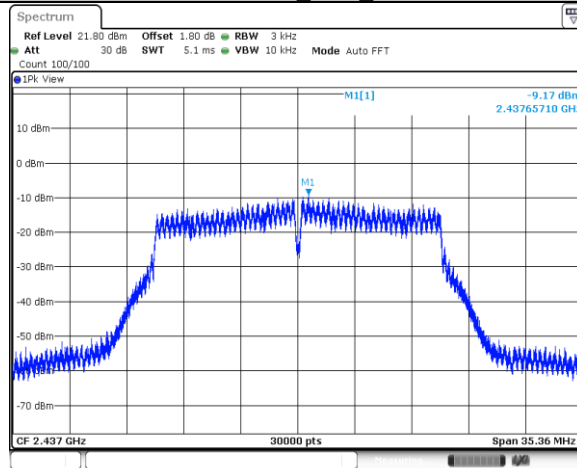
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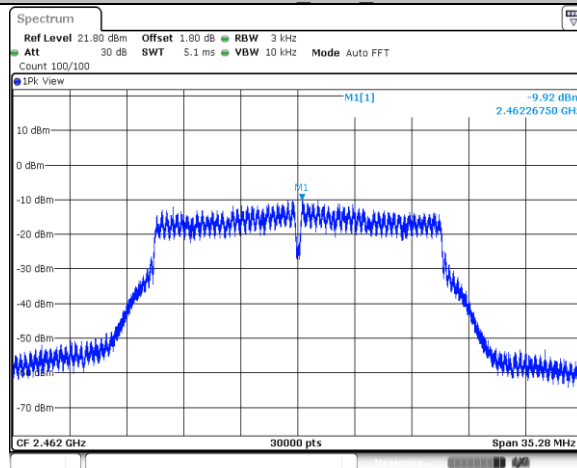
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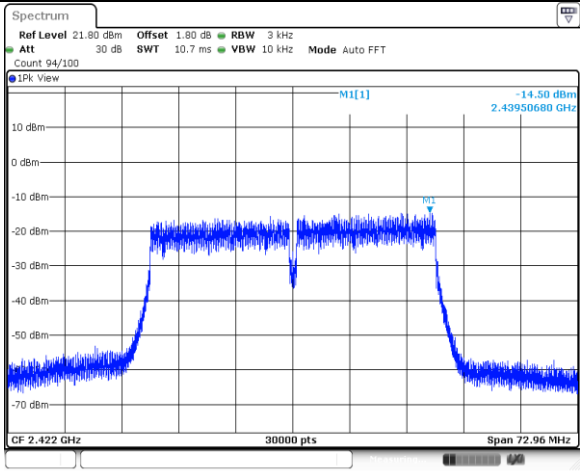
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Date: 26 FEB 2024 16:44:40

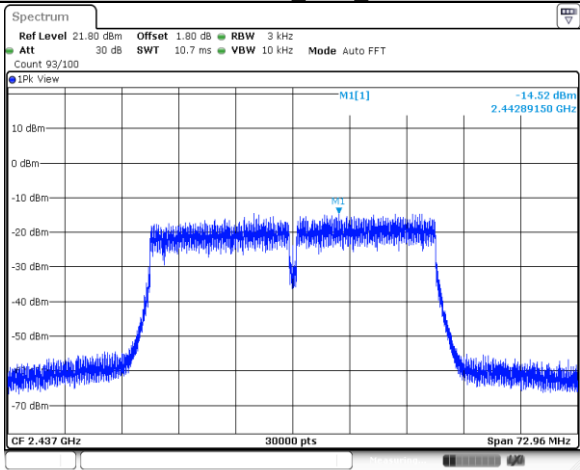


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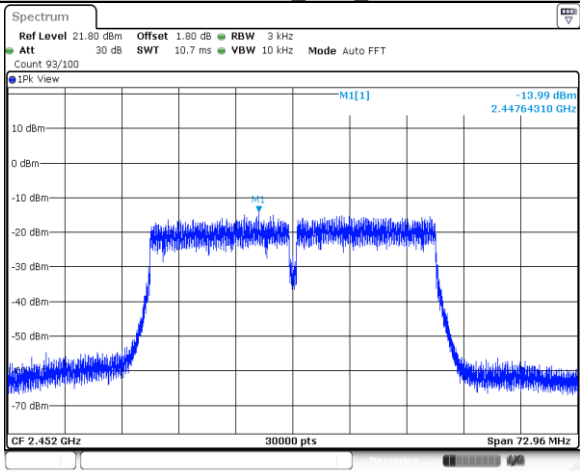
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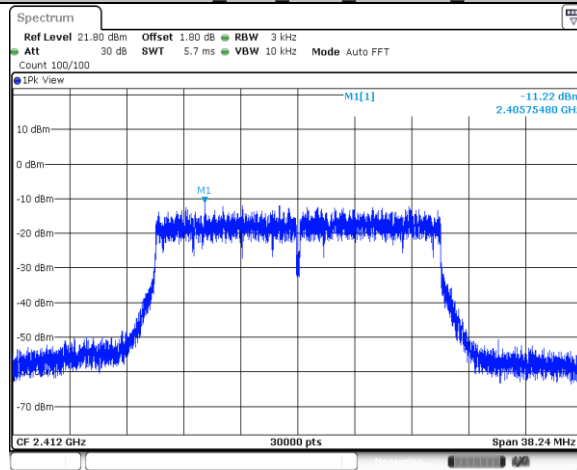
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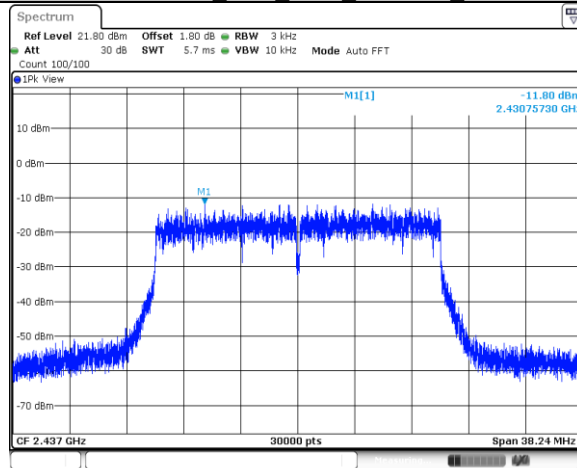
Date: 26 FEB 2024 16:50:55

11AX20SISO_Ant1_2412_242Tone_RU61



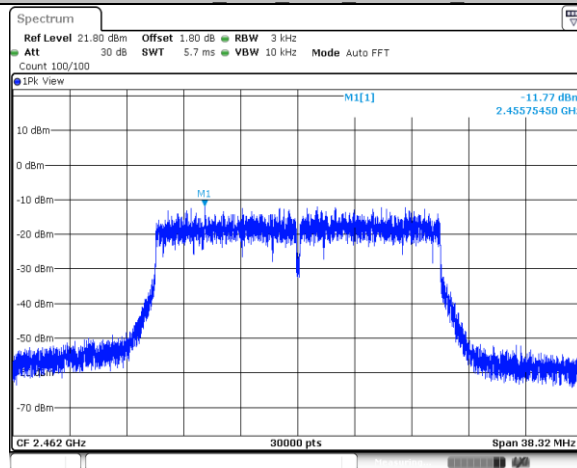
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11AX20SISO_Ant1_2437_242Tone_RU61



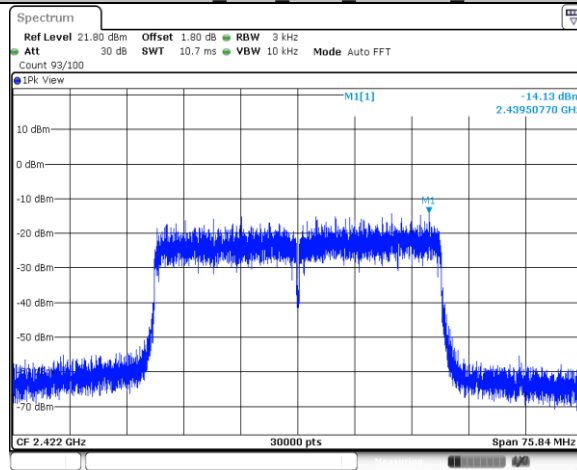
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11AX20SISO_Ant1_2462_242Tone_RU61



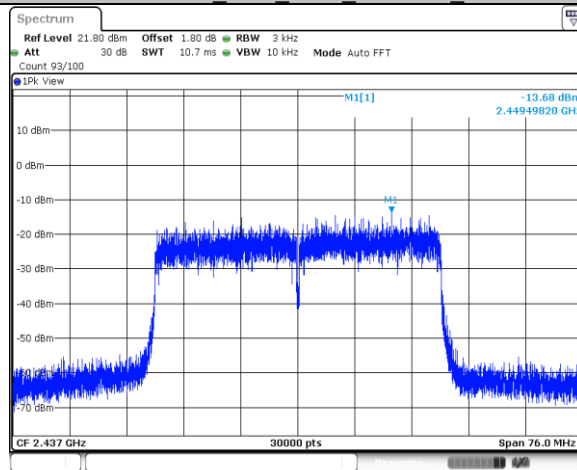
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11AX40SISO_Ant1_2422_484Tone_RU65



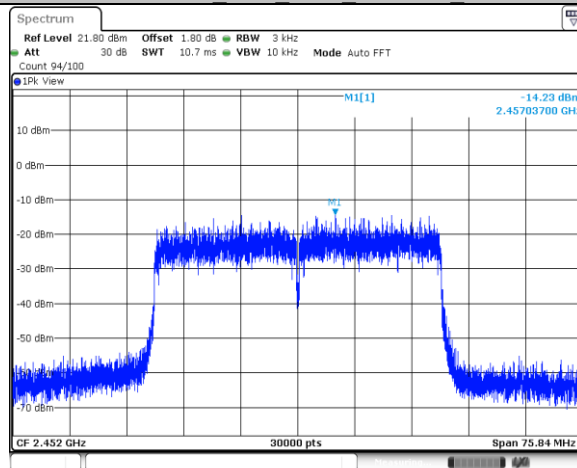
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11AX40SISO_Ant1_2437_484Tone_RU65



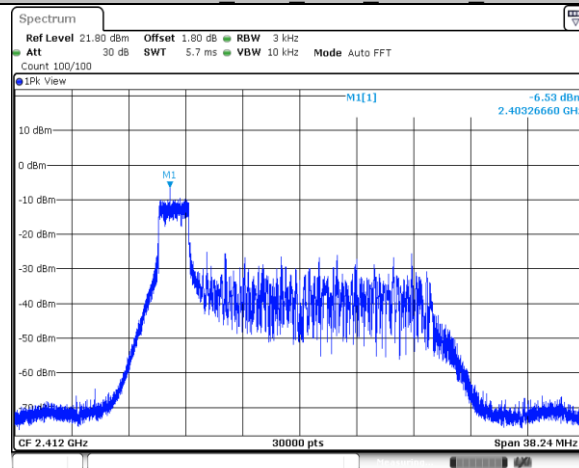
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11AX40SISO_Ant1_2452_484Tone_RU65



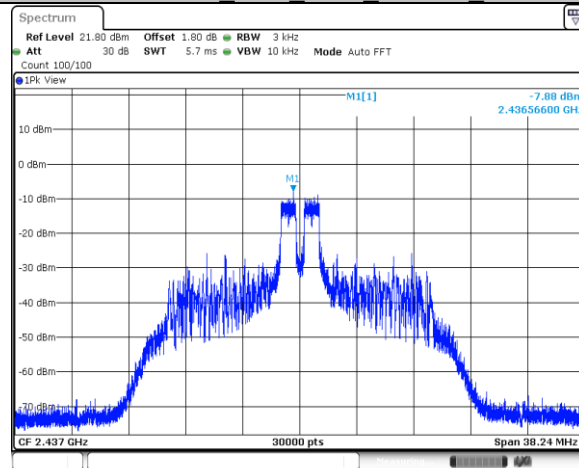
Date: 26 FEB 2024 17:03:22

11AX20SISO Ant1_2412_26Tone_RU0



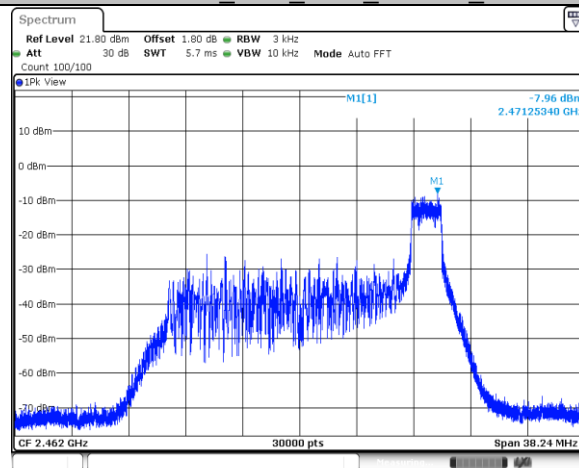
Date: 28 FEB 2024 12:13:30

11AX20SISO Ant1_2437_26Tone_RU4



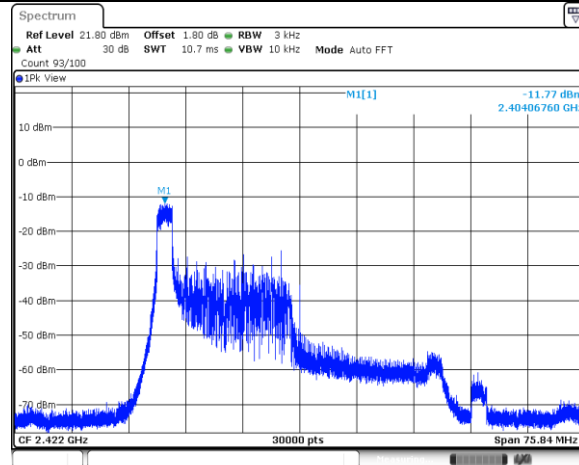
Date: 28 FEB 2024 12:15:44

11AX20SISO Ant1_2462_26Tone_RU8



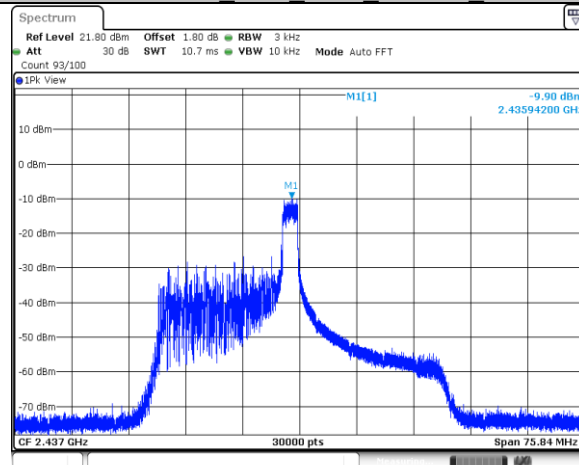
Date: 28 FEB 2024 12:17:28

11AX40SISO Ant1 2422 26Tone RU0



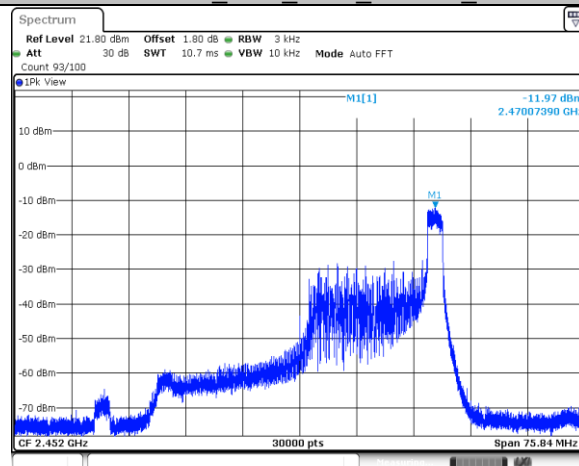
Date: 28 FEB 2024 13:40:27

11AX40SISO Ant1 2437 26Tone RU8



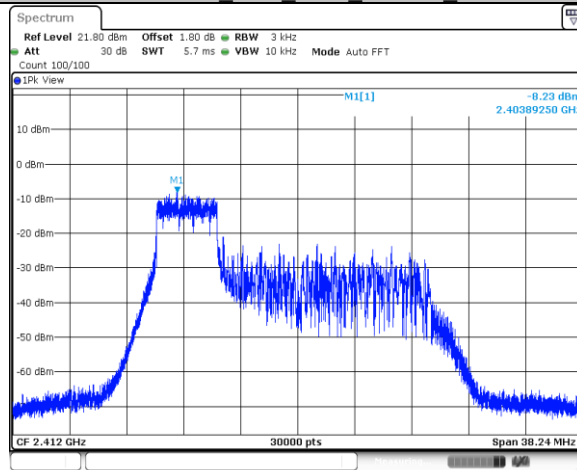
Date: 28 FEB 2024 13:43:11

11AX40SISO Ant1 2452 26Tone RU17



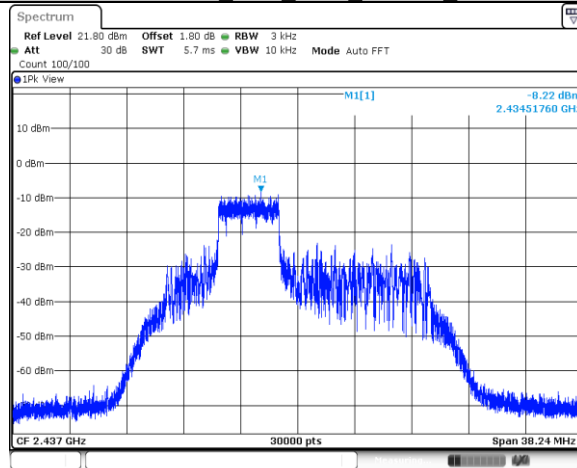
Date: 28 FEB 2024 13:44:53

11AX20SISO Ant1 2412 52Tone RU37



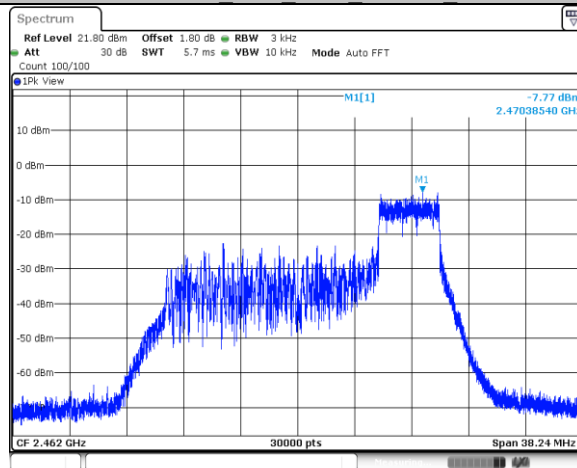
Date: 28 FEB 2024 13:49:00

11AX20SISO Ant1 2437 52Tone RU38



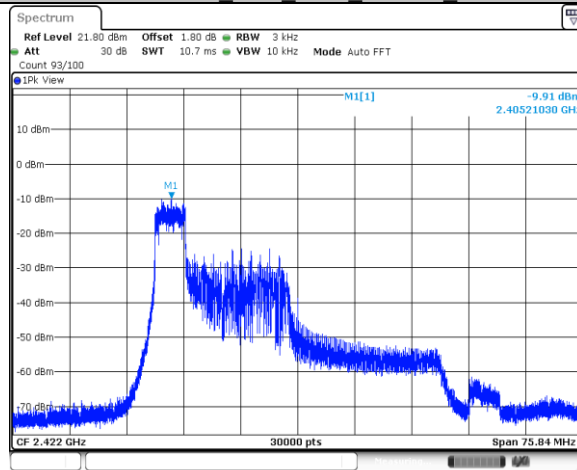
Date: 28 FEB 2024 13:50:34

11AX20SISO Ant1 2462 52Tone RU40



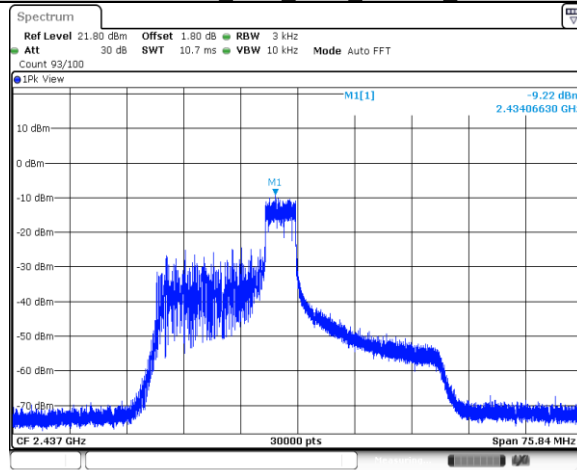
Date: 28 FEB 2024 13:52:12

11AX40SISO Ant1_2422_52Tone_RU37



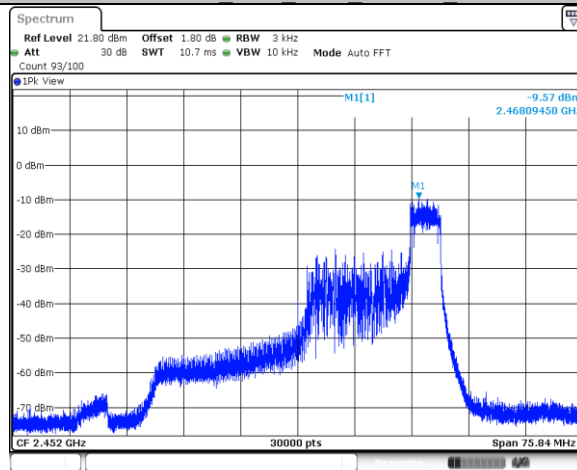
Date: 28 FEB 2024 13:54:05

11AX40SISO Ant1_2437_52Tone_RU40



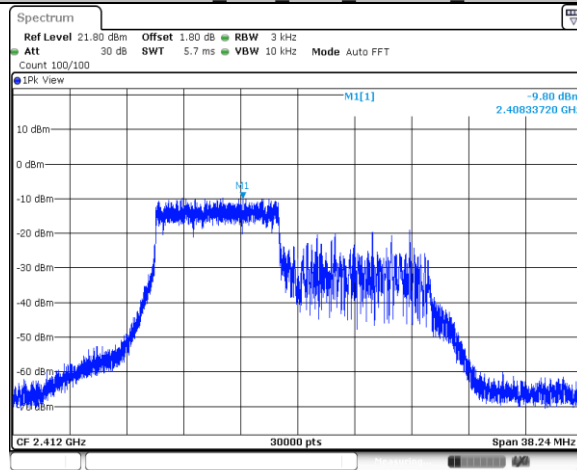
Date: 28 FEB 2024 13:55:40

11AX40SISO Ant1_2452_52Tone_RU44



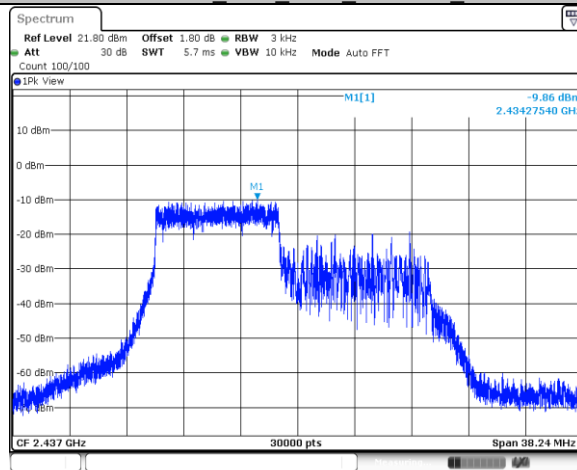
Date: 28 FEB 2024 13:57:20

11AX20SISO_Ant1_2412_106Tone_RU53



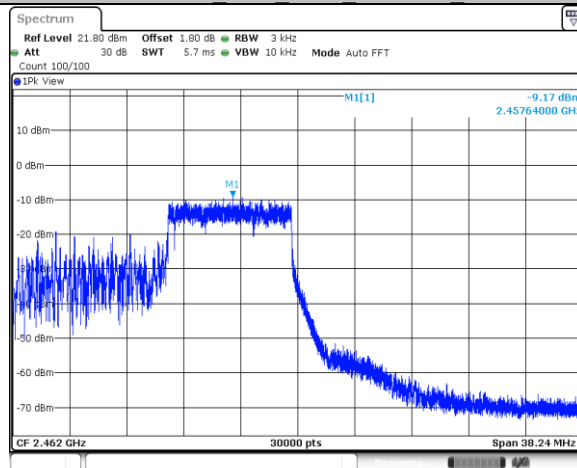
Date: 28 FEB 2024 13:59:54

11AX20SISO_Ant1_2437_106Tone_RU53



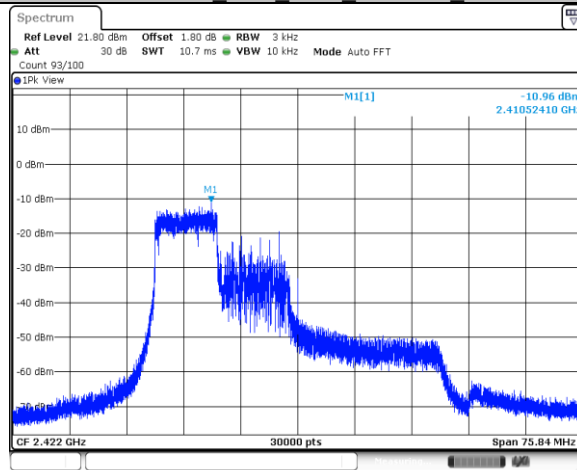
Date: 28 FEB 2024 14:01:37

11AX20SISO_Ant1_2462_106Tone_RU54



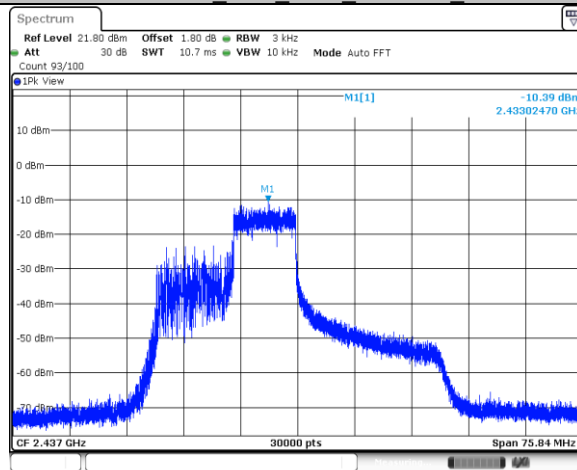
Date: 28 FEB 2024 14:03:39

11AX40SISO_Ant1_2422_106Tone_RU53



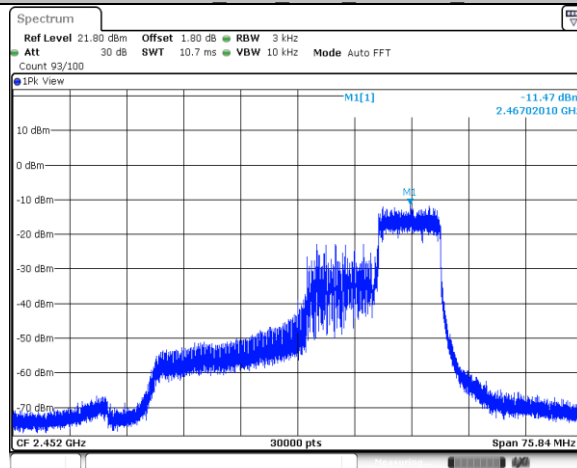
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11AX40SISO_Ant1_2437_106Tone_RU54



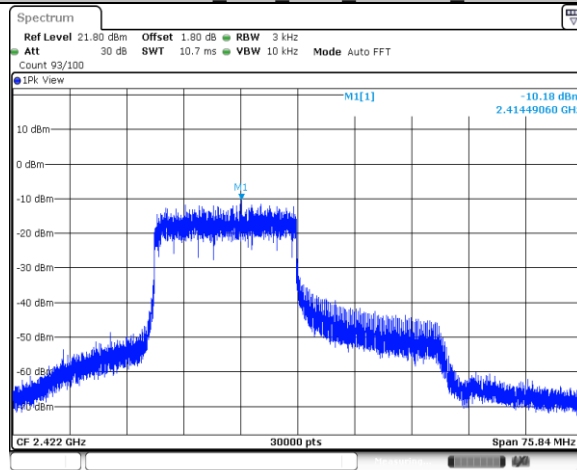
Date: 28 FEB 2024 14:07:17

11AX40SISO_Ant1_2452_106Tone_RU56



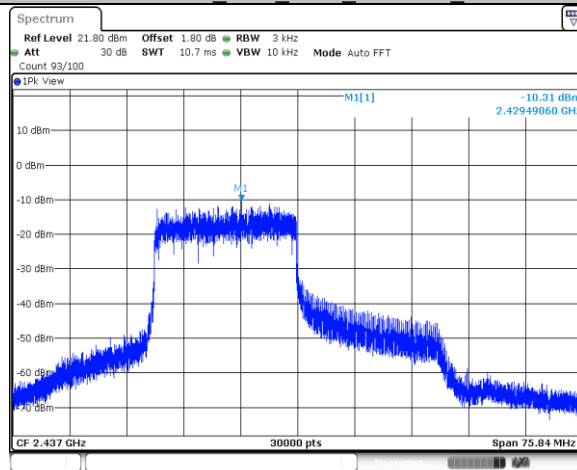
Date: 28 FEB 2024 14:08:51

11AX40SISO_Ant1_2422_242Tone_RU61



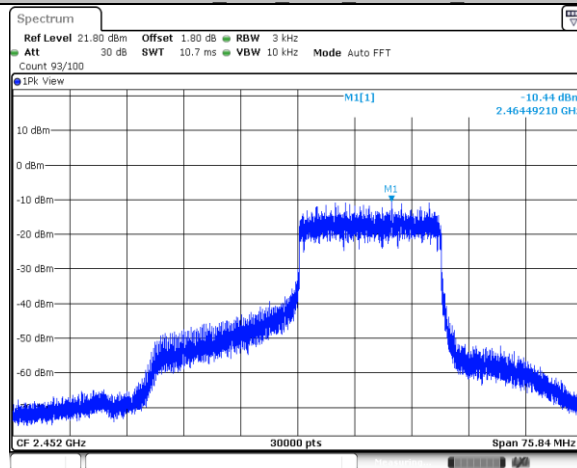
Date: 28 FEB 2024 12:04:11

11AX40SISO_Ant1_2437_242Tone_RU61



Date: 28 FEB 2024 12:05:43

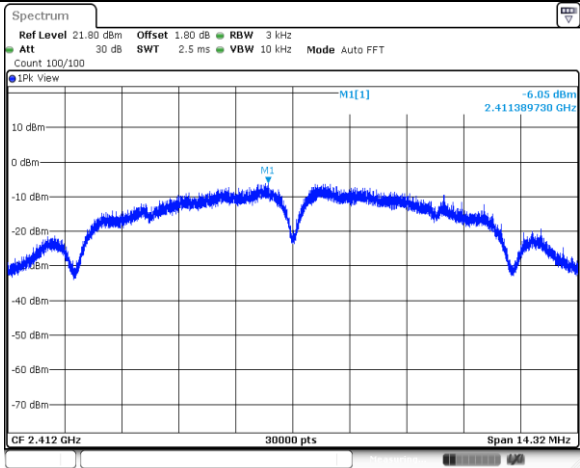
11AX40SISO_Ant1_2452_242Tone_RU62



Date: 28 FEB 2024 12:07:11

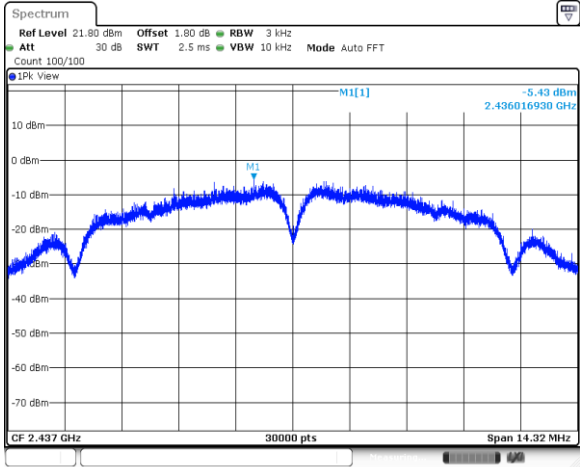


11B_Ant2_2412



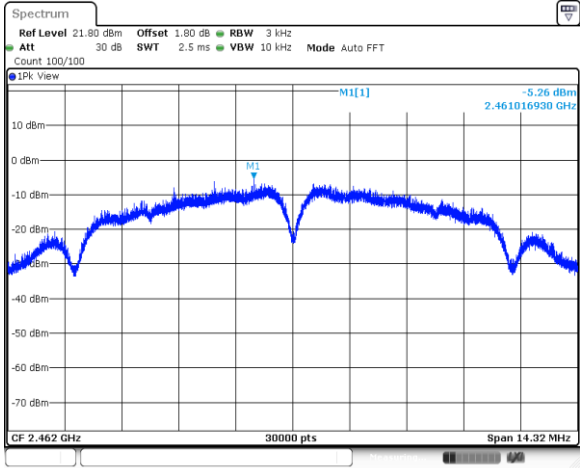
Date: 28.FEB.2024 14:17:13

11B_Ant2_2437



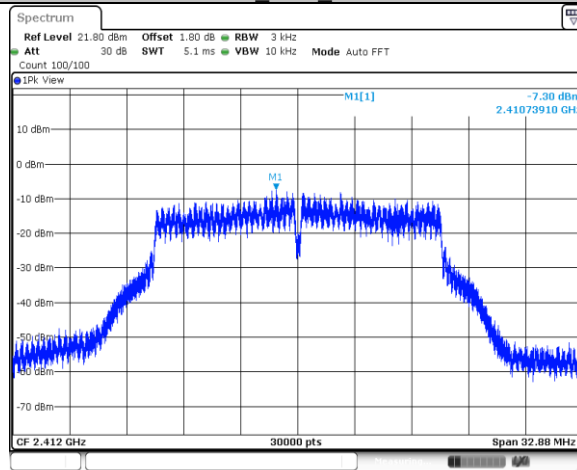
Date: 28.FEB.2024 14:19:00

11B_Ant2_2462



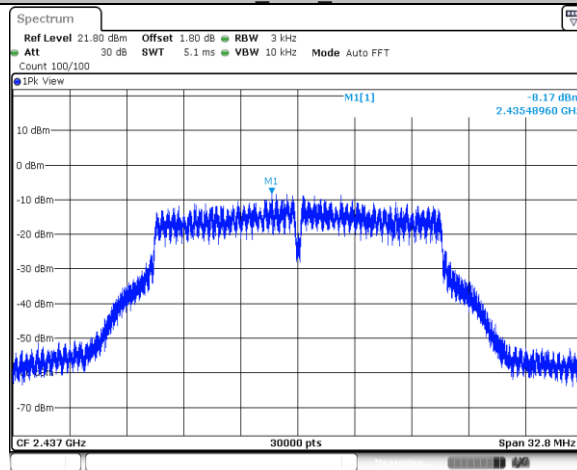
Date: 28.FEB.2024 14:20:33

11G_Ant2_2412



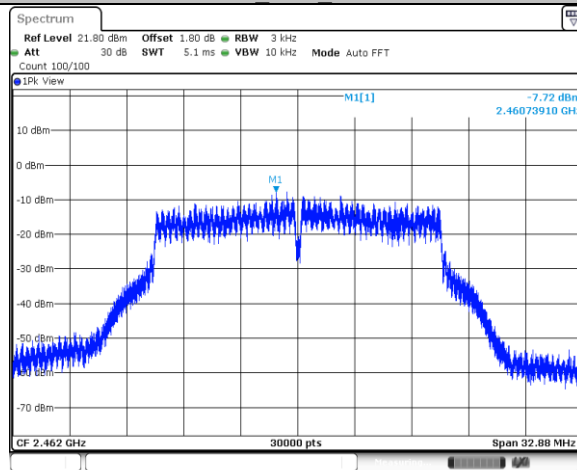
Date: 28.FEB.2024 14:22:21

11G_Ant2_2437



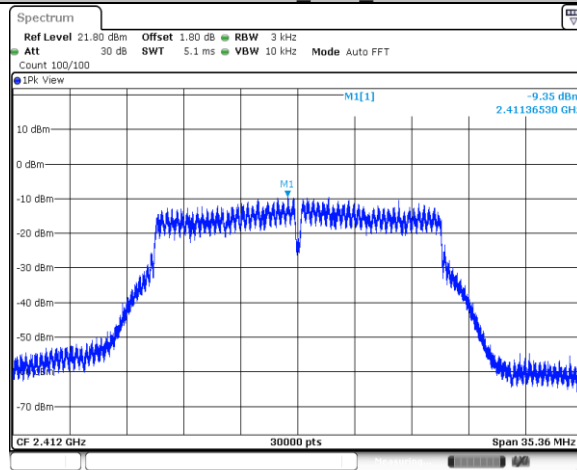
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11G_Ant2_2462



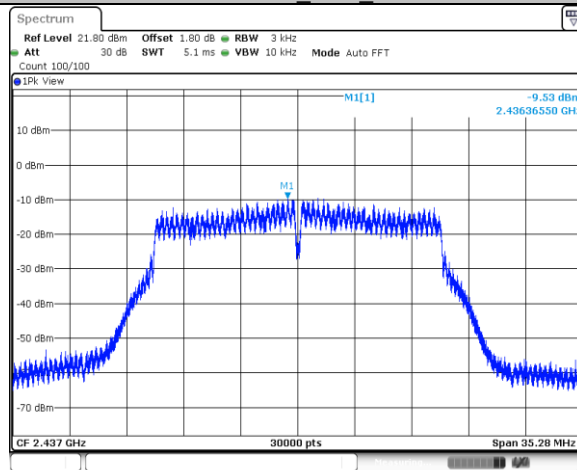
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11N20SISO_Ant2_2412



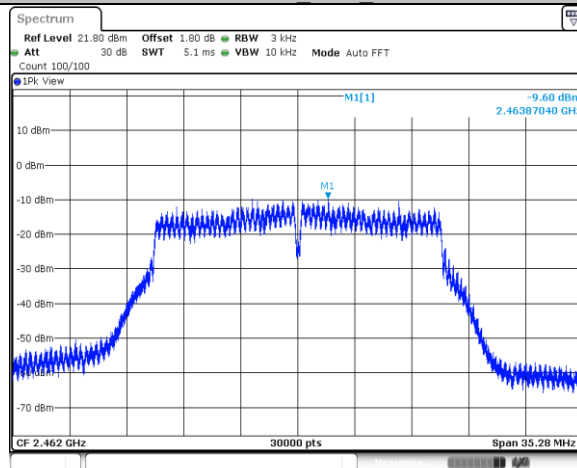
Date: 28.FEB.2024 14:27:08

11N20SISO_Ant2_2437



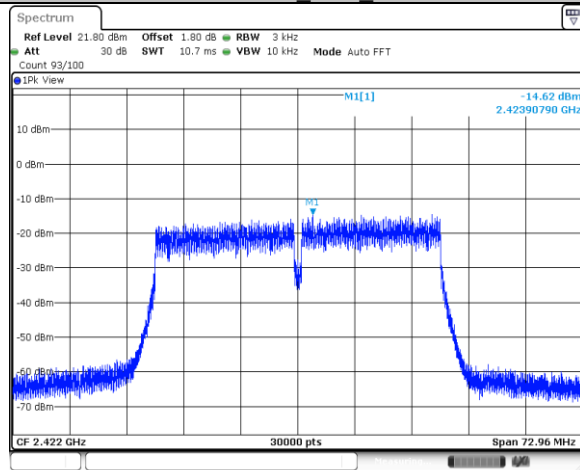
Date: 28.FEB.2024 14:28:44

11N20SISO_Ant2_2462



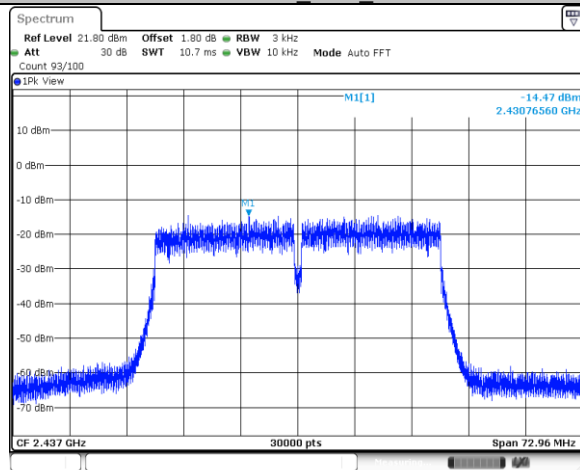
Date: 28.FEB.2024 14:30:14

11N40SISO_Ant2_2422



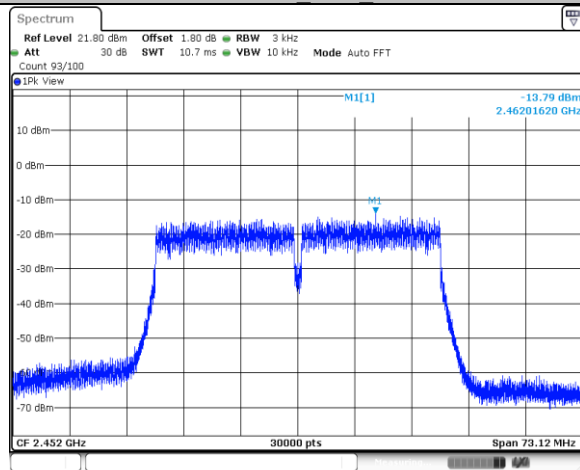
Date: 28 FEB 2024 14:32:05

11N40SISO_Ant2_2437



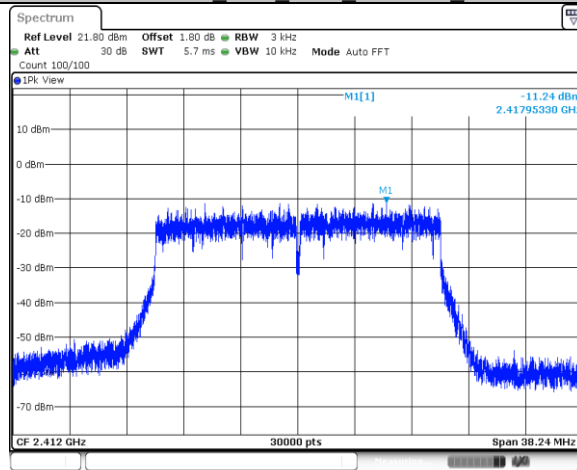
Date: 28 FEB 2024 14:35:30

11N40SISO_Ant2_2452



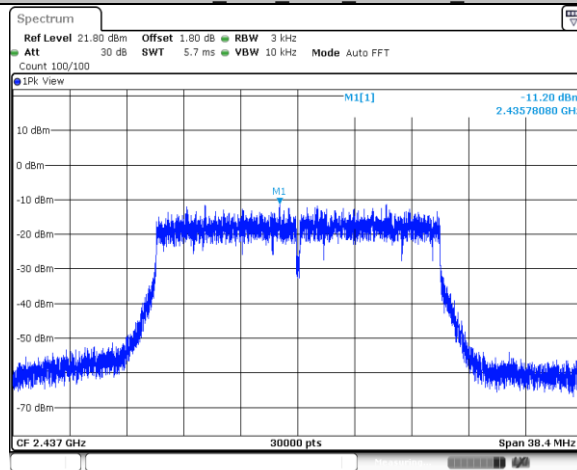
Date: 28 FEB 2024 14:37:03

11AX20SISO_Ant2_2412_242Tone_RU61



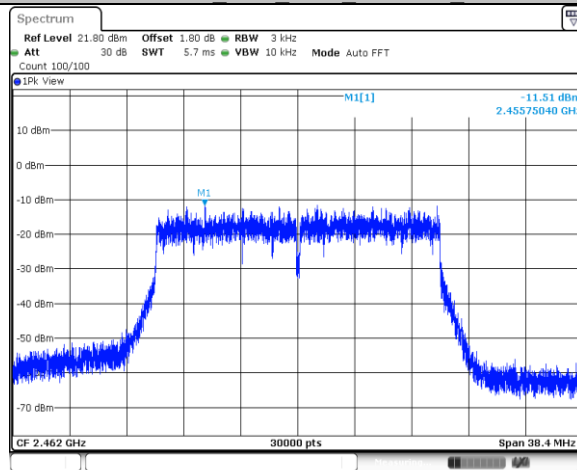
Date: 28 FEB 2024 14:39:39

11AX20SISO_Ant2_2437_242Tone_RU61



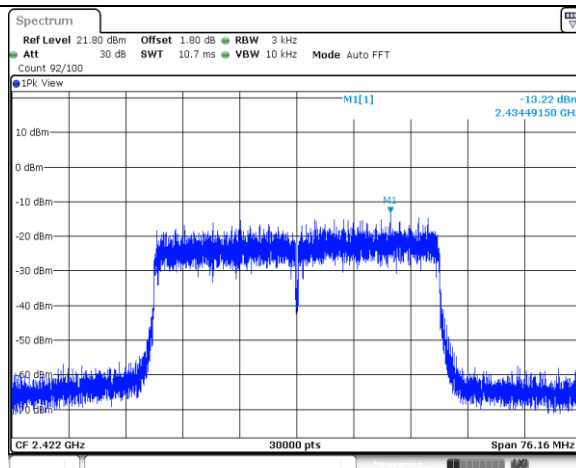
Date: 28 FEB 2024 14:42:07

11AX20SISO_Ant2_2462_242Tone_RU61



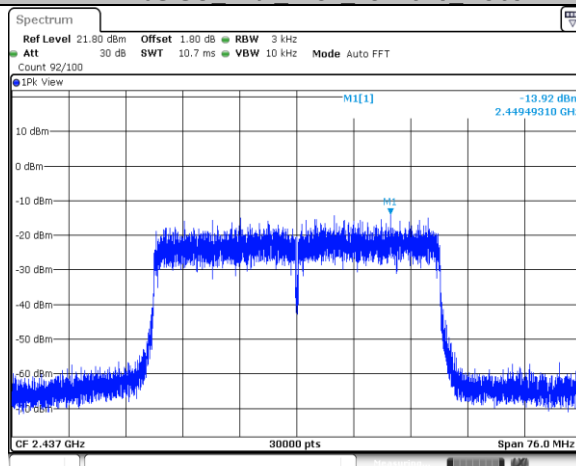
Date: 28 FEB 2024 14:43:59

11AX40SISO_Ant2_2422_484Tone_RU65



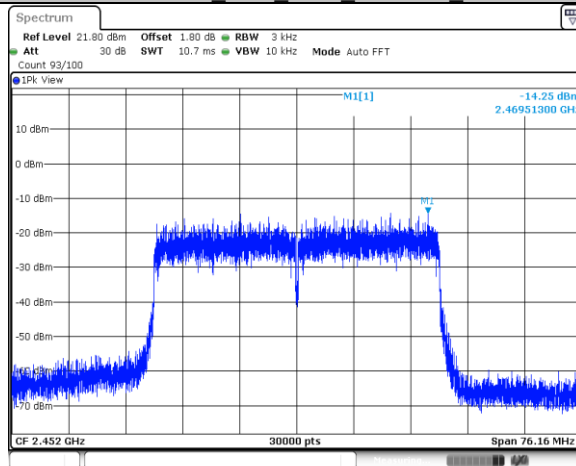
Date: 28 FEB 2024 14:47:58

11AX40SISO Ant2 2437 484Tone RU65



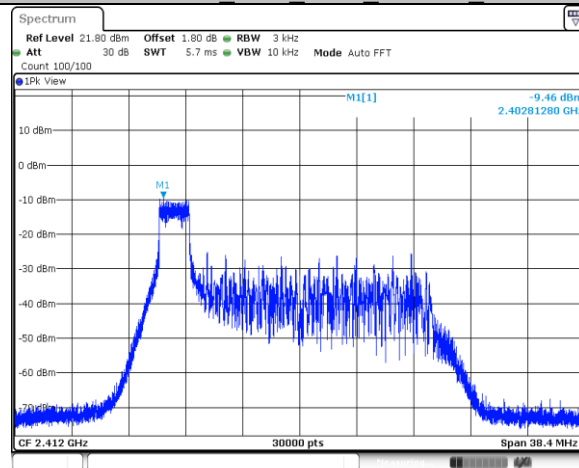
Date: 28 FEB 2024 14:50:46

11AX40SISO Ant2 2452 484Tone RU65



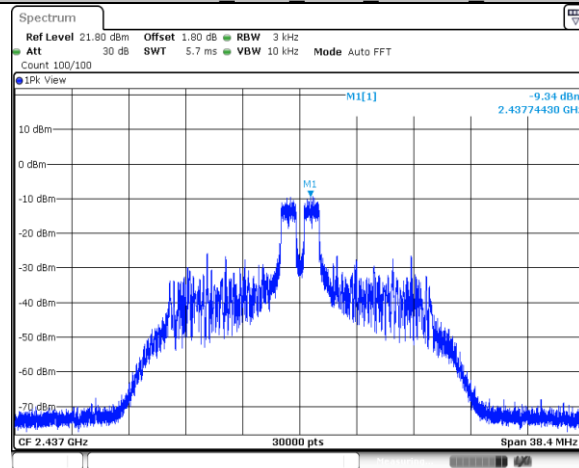
Date: 28 FEB 2024 14:52:32

11AX20SISO Ant2 2412 26Tone RU0



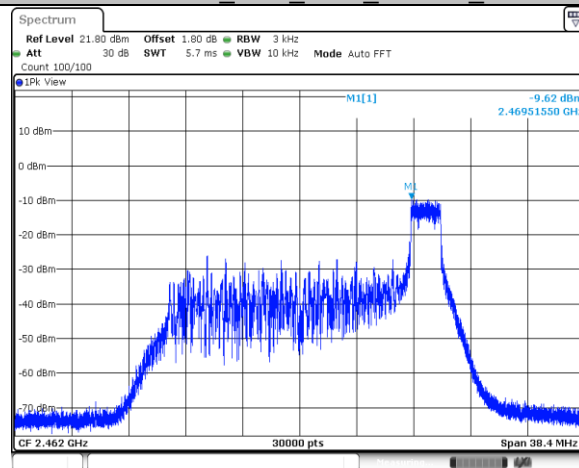
Date: 28 FEB 2024 14:57:41

11AX20SISO Ant2 2437 26Tone RU4



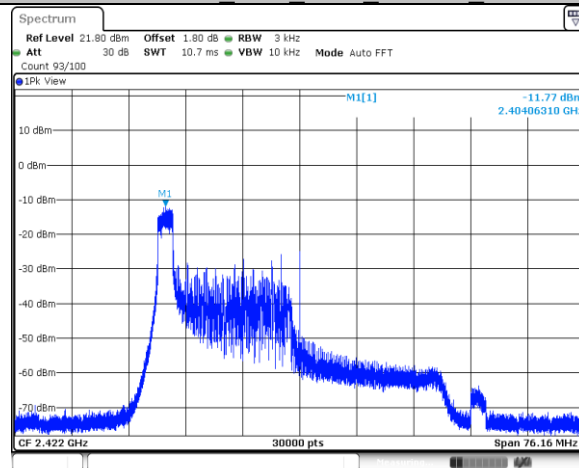
Date: 28 FEB 2024 15:01:09

11AX20SISO Ant2 2462 26Tone RU8



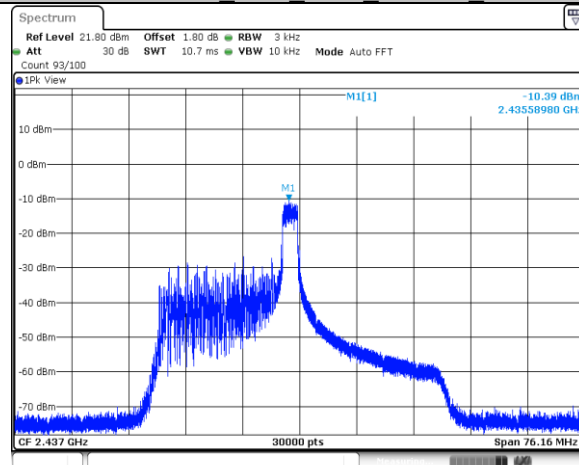
Date: 28 FEB 2024 15:03:34

11AX40SISO Ant2 2422 26Tone RU0



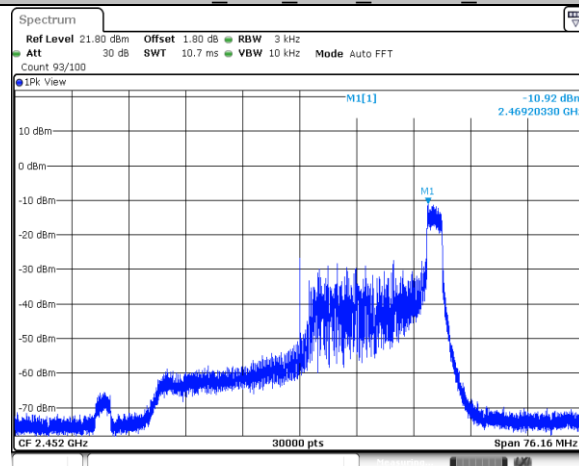
Date: 28 FEB 2024 15:09:02

11AX40SISO Ant2 2437 26Tone RU8



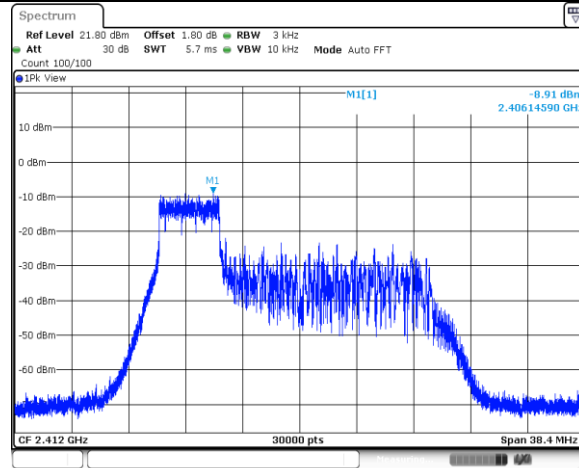
Date: 28 FEB 2024 15:10:48

11AX40SISO Ant2 2452 26Tone RU17



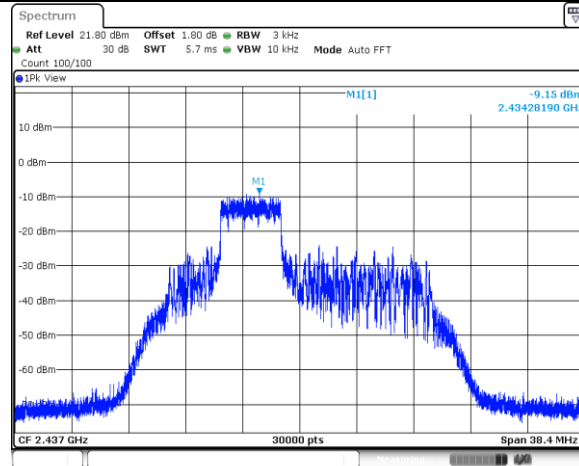
Date: 28 FEB 2024 15:13:48

11AX20SISO Ant1 2412 52Tone RU37



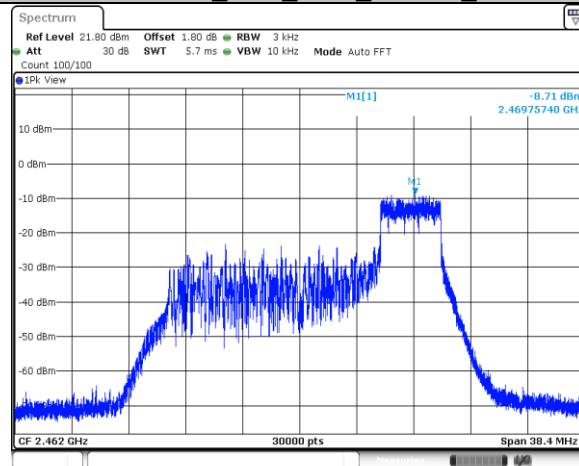
Date: 28 FEB 2024 15:19:47

11AX20SISO Ant1 2437 52Tone RU38



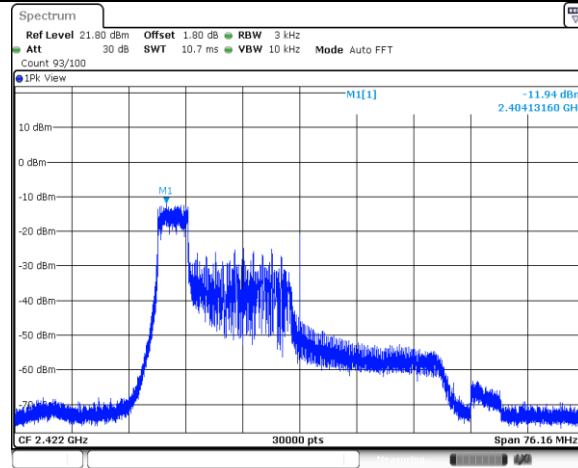
Date: 28 FEB 2024 15:22:00

11AX20SISO Ant1 2462 52Tone RU40



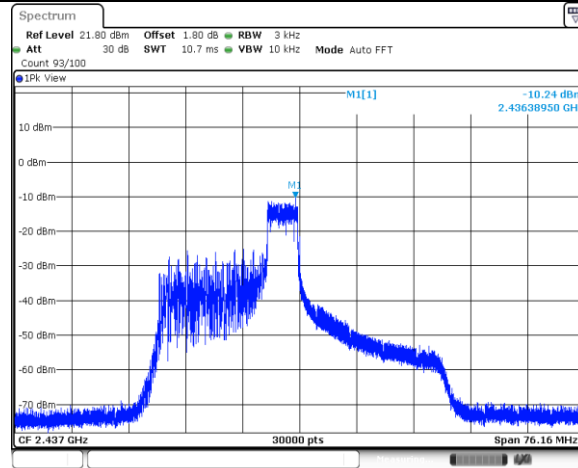
Date: 28 FEB 2024 15:23:26

11AX40SISO Ant1 2422 52Tone RU37



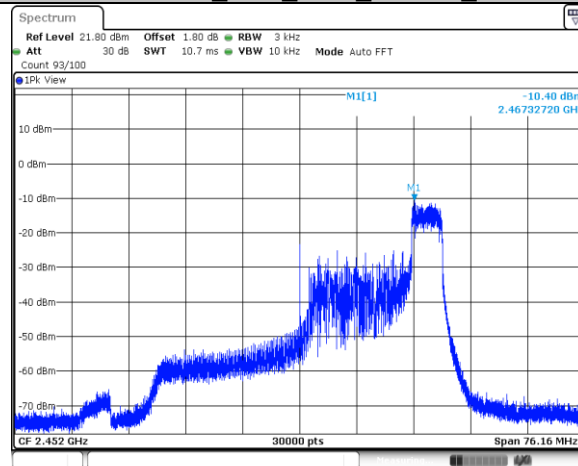
Date: 28 FEB 2024 15:25:26

11AX40SISO Ant1 2437 52Tone RU40



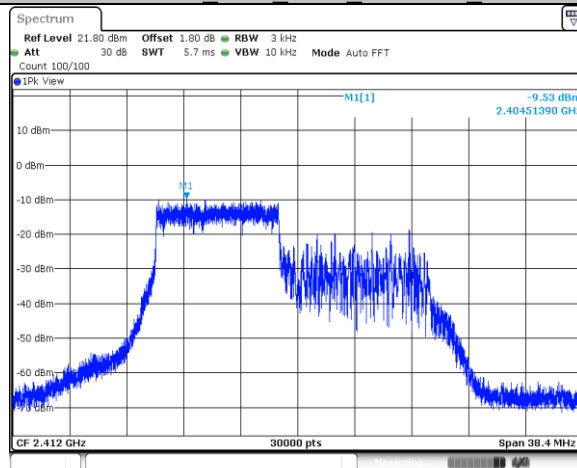
Date: 28 FEB 2024 15:27:37

11AX40SISO Ant1 2452 52Tone RU44



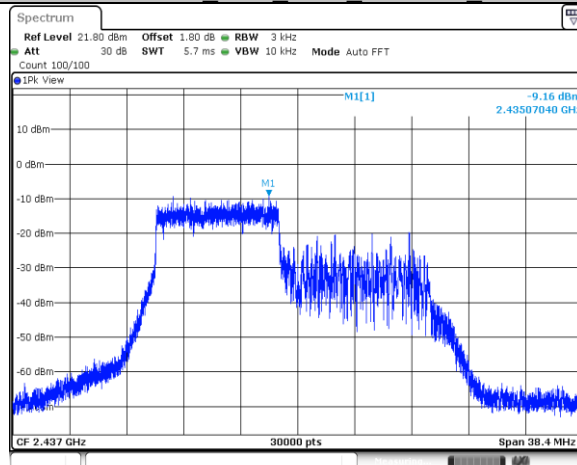
Date: 28 FEB 2024 15:29:49

11AX20SISO Ant2 2412 106Tone RU53



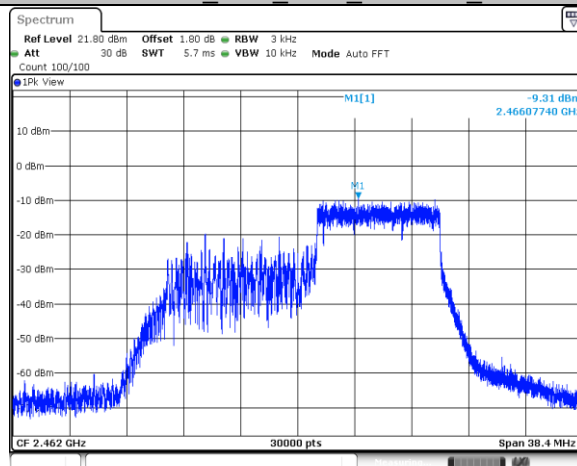
Date: 28 FEB 2024 15:37:51

11AX20SISO Ant2 2437 106Tone RU53



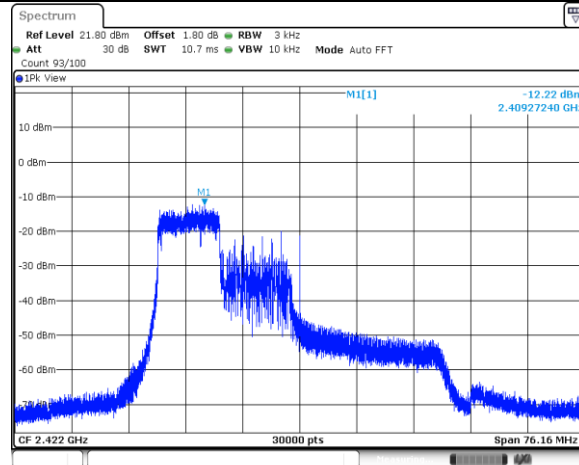
Date: 28 FEB 2024 15:39:46

11AX20SISO Ant2 2462 106Tone RU54



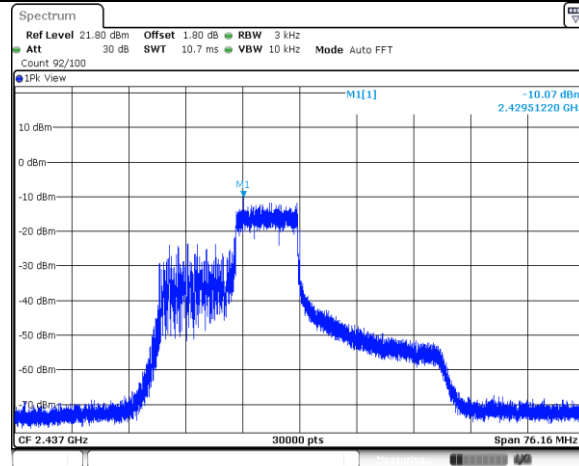
Date: 28 FEB 2024 15:41:22

11AX40SISO Ant2 2422 106Tone RU53



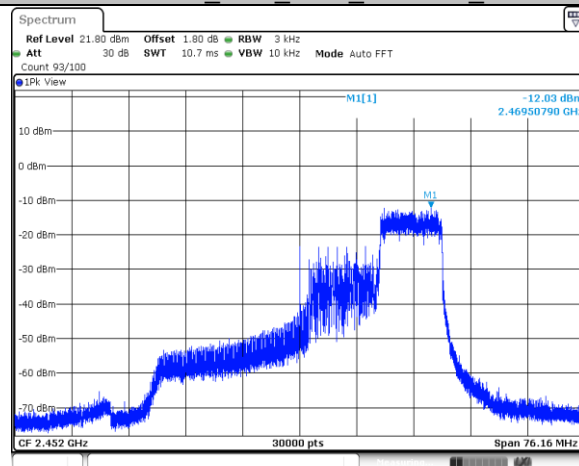
Date: 28 FEB 2024 15:44:13

11AX40SISO Ant2 2437 106Tone RU54



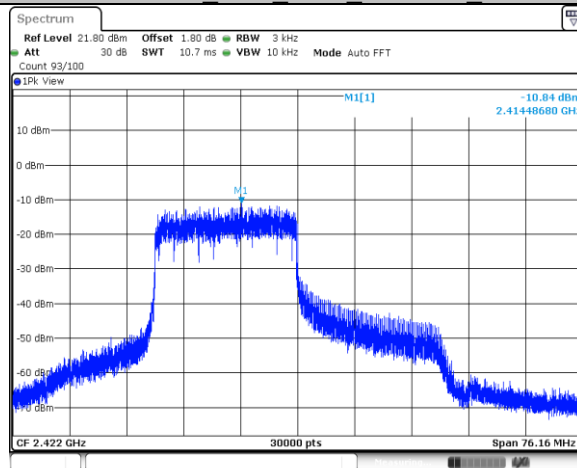
Date: 28 FEB 2024 15:46:04

11AX40SISO Ant2 2452 106Tone RU56



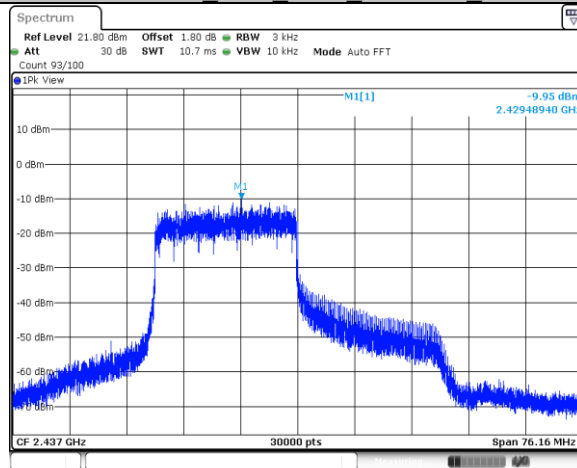
Date: 28 FEB 2024 15:48:33

11AX40SISO Ant2 2422 242Tone RU61



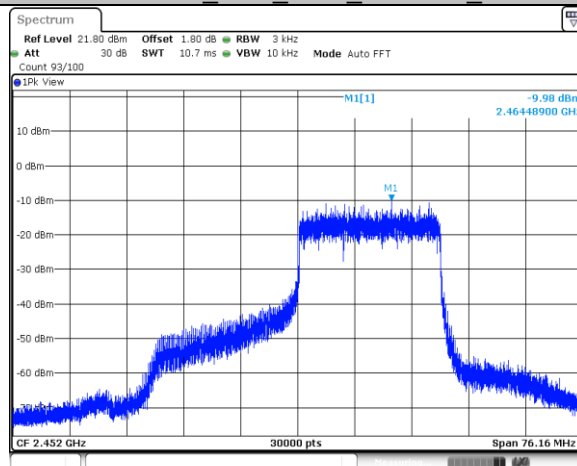
Date: 28 FEB 2024 15:53:05

11AX40SISO Ant2 2437 242Tone RU61



Date: 28 FEB 2024 15:55:02

11AX40SISO Ant2 2452 242Tone RU62



Date: 28 FEB 2024 15:57:31

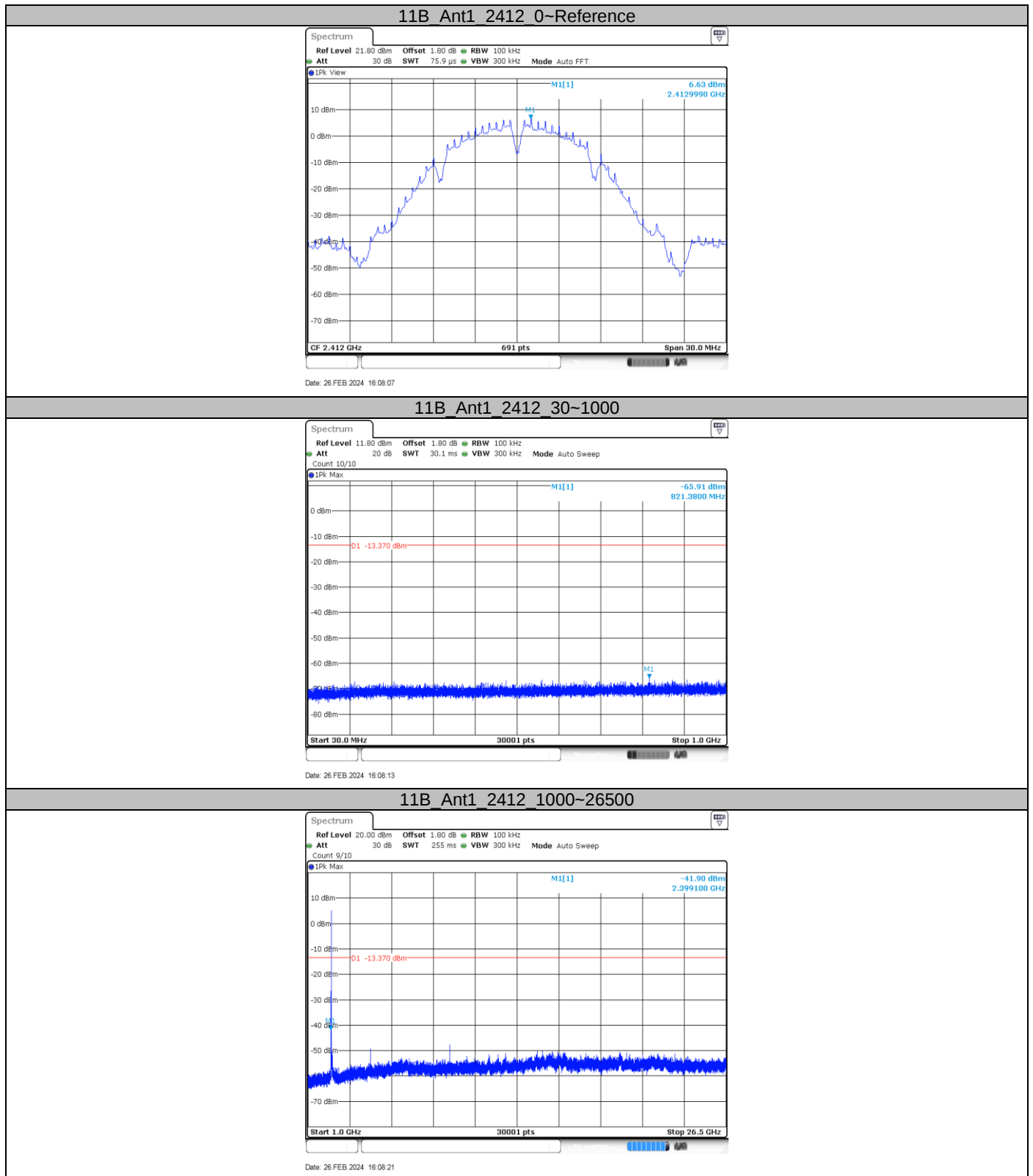
9.5 Spurious RF Conducted Emissions

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 100 kHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.
5. The level displayed must comply with the limit specified in this Section. Submit these plots.
6. Repeat above procedures until all frequencies measured were complete.

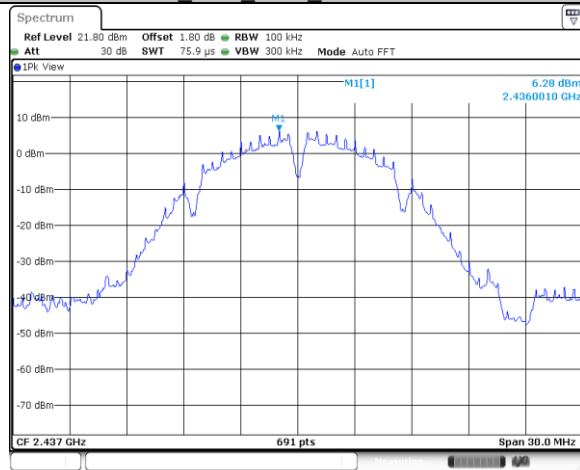
Limit

Frequency Range MHz	Limit (dBc)
30-25000	-20

Spurious RF conducted emissions

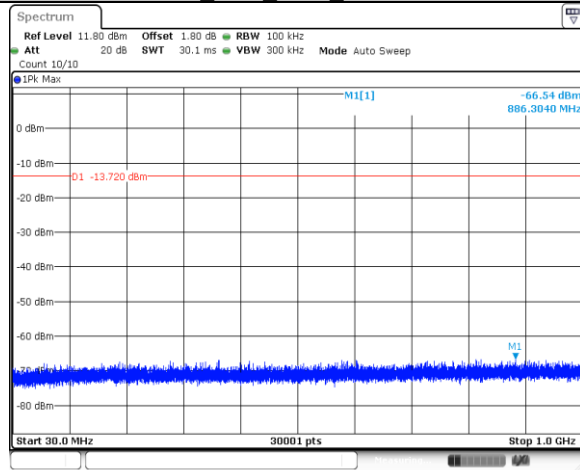


11B_Ant1_2437_0~Reference



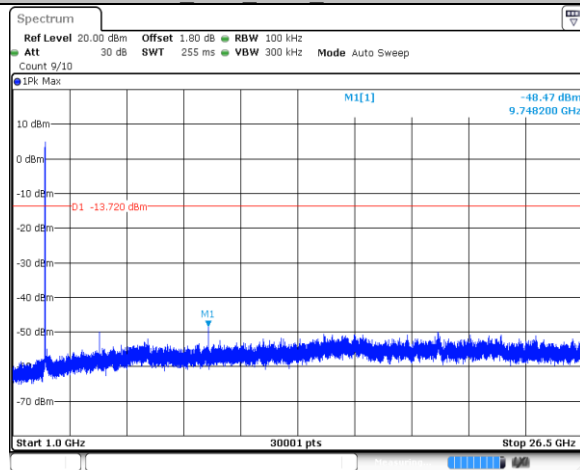
Date: 26 FEB 2024 16:11:32

11B_Ant1_2437_30~1000



Date: 26 FEB 2024 16:11:38

11B_Ant1_2437_1000~26500



Date: 26 FEB 2024 16:11:46