RF Test Data for 2.4G Wi-Fi (Conducted Measurements)

General Description of EUT	
Product Name:	D222AH Tri-band Wi-Fi 6E Extender
Test Model:	D222AH
Sample ID:	202208-0271-2-1#
Environmental Conditions	
Normal Temperature:	15℃-25℃
Relative Humidity:	42%-53%
Normal Test Voltage:	AC 120V
Test Engineer:	Haiting Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202208-0271-2.	

Contents

1. DTS Bandwidth

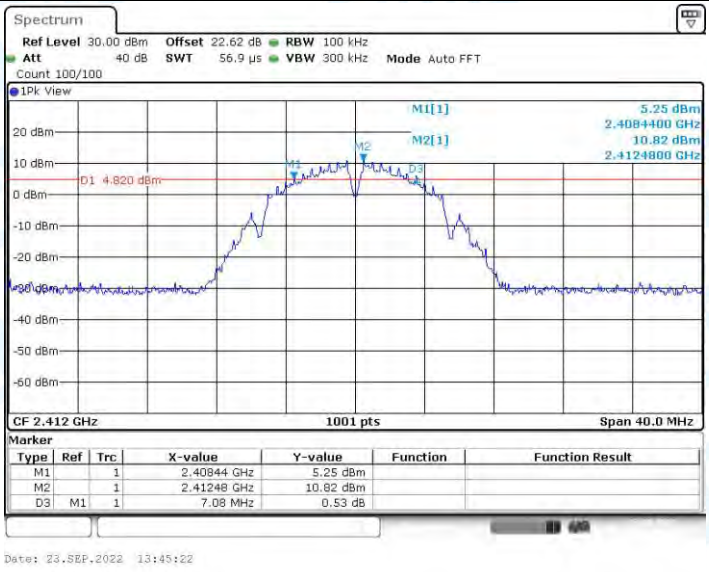
1.1.Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-SISO	Ant1	2412	7.08	2408.44	2415.52	0.5	PASS
	Ant2	2412	7.04	2408.48	2415.52	0.5	PASS
	Ant1	2437	7.52	2433.00	2440.52	0.5	PASS
	Ant2	2437	7.04	2433.48	2440.52	0.5	PASS
	Ant1	2462	7.08	2458.44	2465.52	0.5	PASS
	Ant2	2462	7.04	2458.48	2465.52	0.5	PASS
11G-SISO	Ant1	2412	16.04	2404.08	2420.12	0.5	PASS
	Ant2	2412	16.32	2403.84	2420.16	0.5	PASS
	Ant1	2437	16.04	2429.08	2445.12	0.5	PASS
	Ant2	2437	16.12	2429.04	2445.16	0.5	PASS
	Ant1	2462	15.72	2454.40	2470.12	0.5	PASS
	Ant2	2462	16.08	2454.08	2470.16	0.5	PASS
11N20SDM	Ant1	2412	17.56	2403.20	2420.76	0.5	PASS
	Ant2	2412	17.32	2403.20	2420.52	0.5	PASS
	Ant1	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant2	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant1	2462	17.56	2453.20	2470.76	0.5	PASS
	Ant2	2462	17.56	2453.20	2470.76	0.5	PASS
11N40SDM	Ant1	2422	35.52	2404.24	2439.76	0.5	PASS
	Ant2	2422	36.32	2403.84	2440.16	0.5	PASS
	Ant1	2437	36.08	2419.08	2455.16	0.5	PASS
	Ant2	2437	36.32	2418.84	2455.16	0.5	PASS
	Ant1	2452	35.60	2434.16	2469.76	0.5	PASS
	Ant2	2452	36.32	2433.84	2470.16	0.5	PASS
11AX20SDM	Ant1	2412	18.96	2402.48	2421.44	0.5	PASS
	Ant2	2412	18.76	2402.56	2421.32	0.5	PASS
	Ant1	2437	19.00	2427.48	2446.48	0.5	PASS
	Ant2	2437	18.56	2427.80	2446.36	0.5	PASS
	Ant1	2462	18.60	2452.48	2471.08	0.5	PASS
	Ant2	2462	18.92	2452.52	2471.44	0.5	PASS
11AX40SDM	Ant1	2422	37.44	2403.12	2440.56	0.5	PASS
	Ant2	2422	36.64	2403.12	2439.76	0.5	PASS
	Ant1	2437	37.52	2418.12	2455.64	0.5	PASS
	Ant2	2437	37.36	2418.20	2455.56	0.5	PASS
	Ant1	2452	37.44	2433.12	2470.56	0.5	PASS
	Ant2	2452	37.52	2433.12	2470.64	0.5	PASS

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
VHT20_SDM	Ant1	2412	17.16	2403.60	2420.76	0.5	PASS
	Ant2	2412	17.56	2403.20	2420.76	0.5	PASS
	Ant1	2437	16.92	2428.84	2445.76	0.5	PASS
	Ant2	2437	17.52	2428.24	2445.76	0.5	PASS
	Ant1	2462	17.56	2453.20	2470.76	0.5	PASS
	Ant2	2462	16.96	2453.80	2470.76	0.5	PASS
VHT40_SDM	Ant1	2422	36.32	2403.84	2440.16	0.5	PASS
	Ant2	2422	36.00	2404.16	2440.16	0.5	PASS
	Ant1	2437	36.08	2418.84	2454.92	0.5	PASS
	Ant2	2437	36.32	2418.84	2455.16	0.5	PASS
	Ant1	2452	35.52	2434.08	2469.60	0.5	PASS
	Ant2	2452	36.08	2433.84	2469.92	0.5	PASS

1.2.Test Graphs

11B-SISO_Ant1_2412



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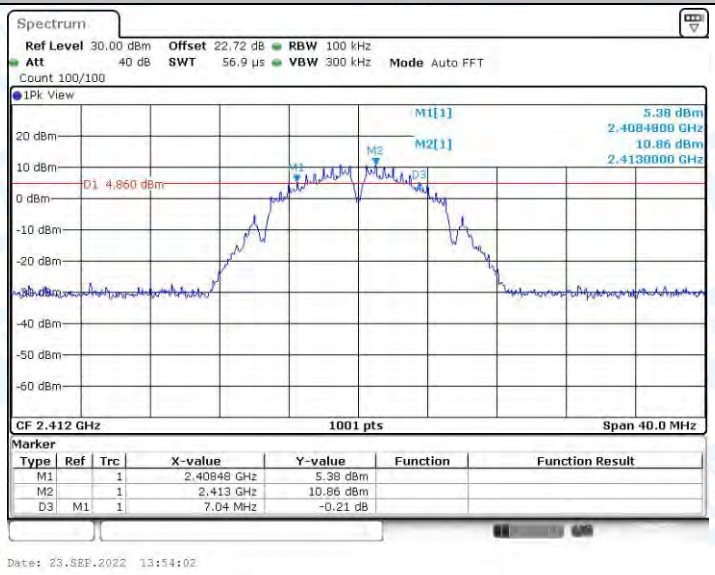

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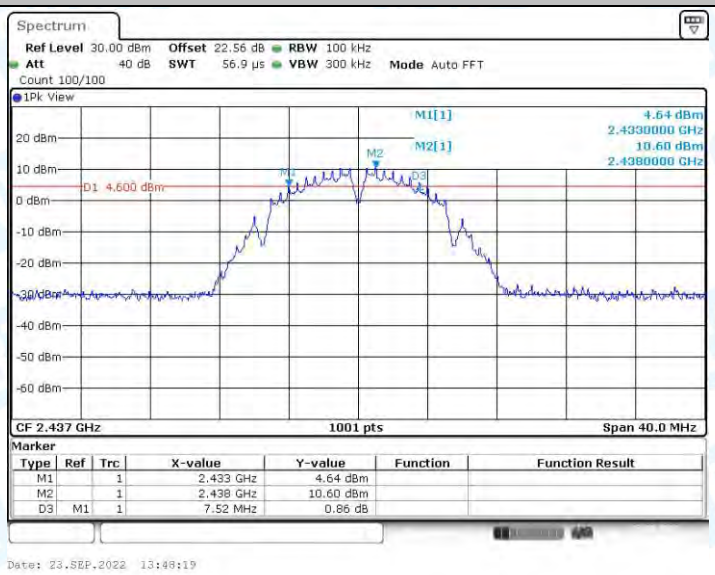

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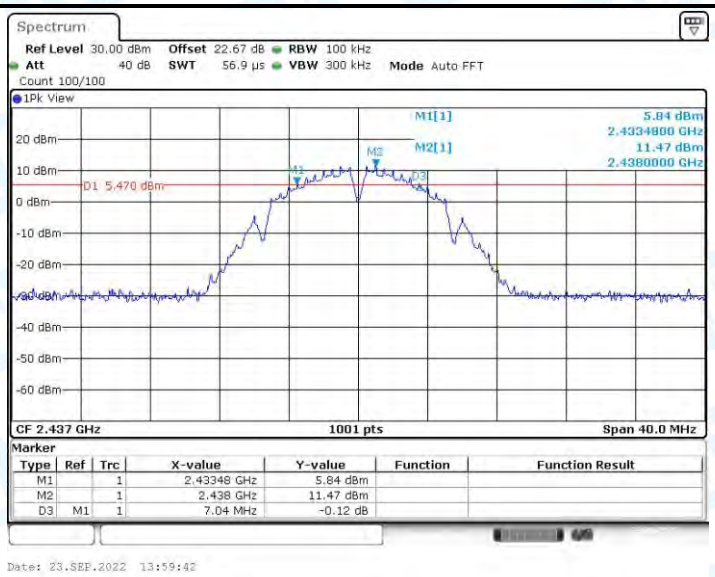

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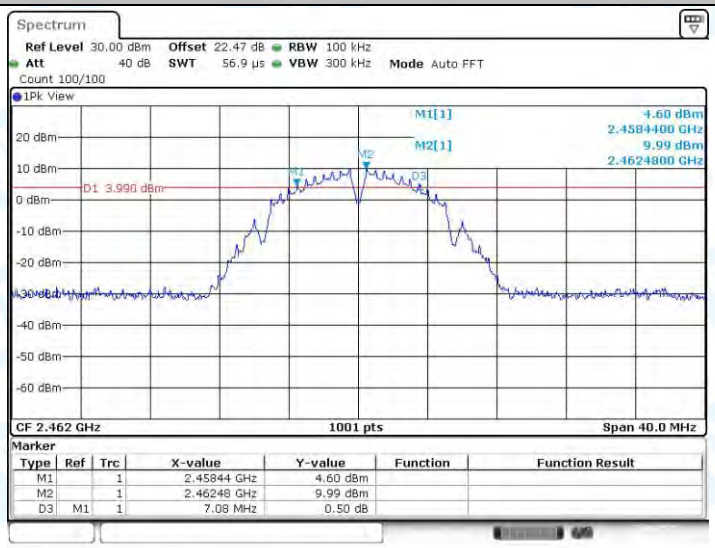

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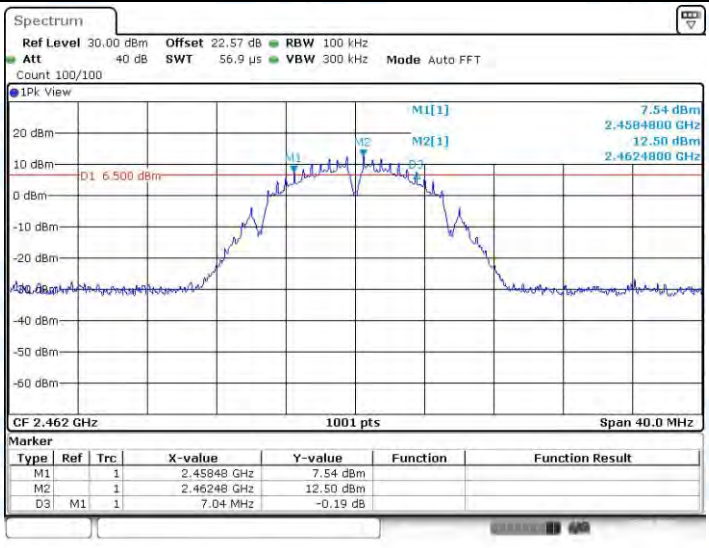

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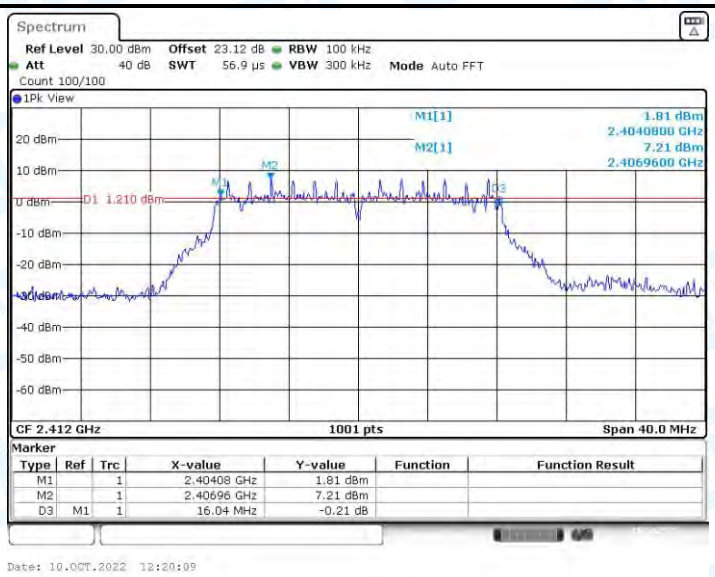

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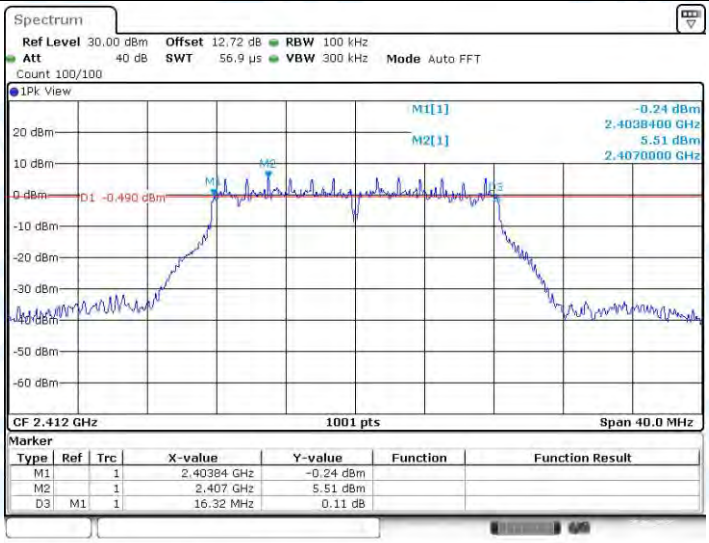

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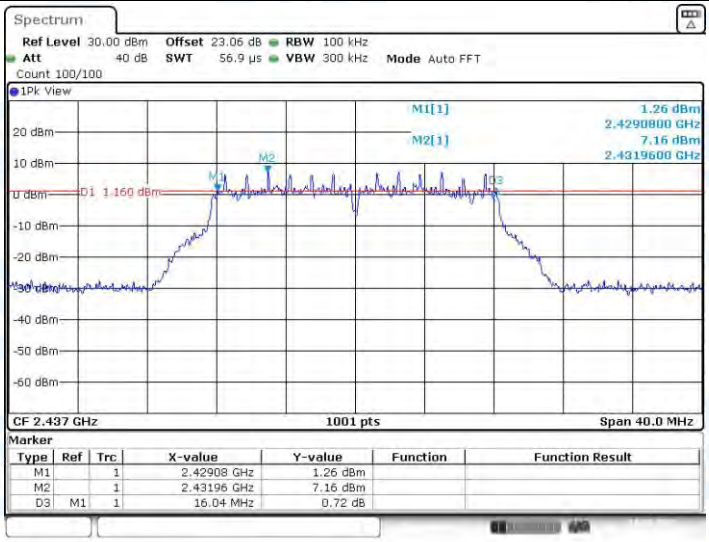

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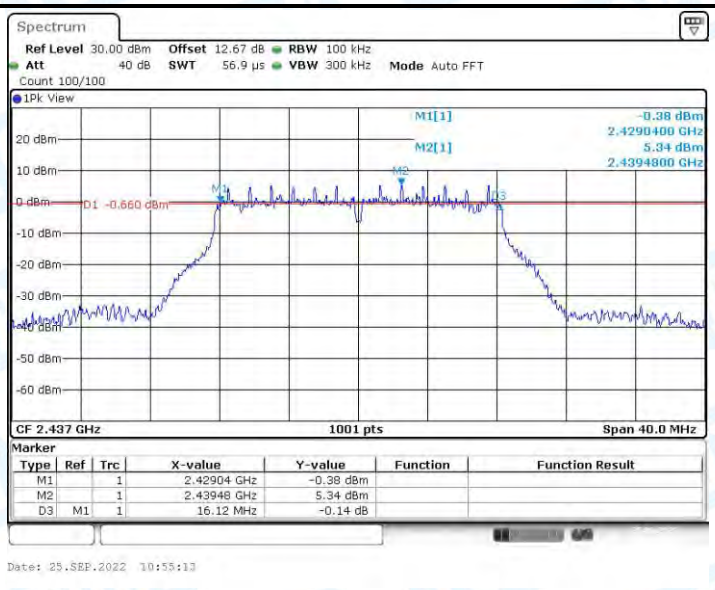

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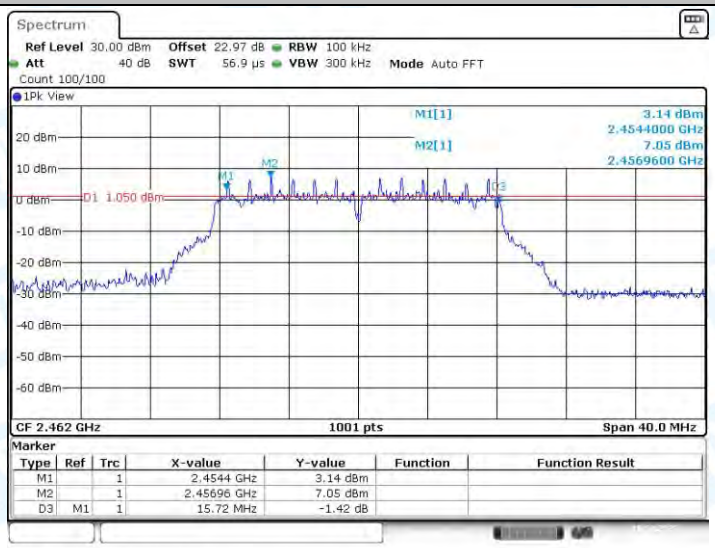

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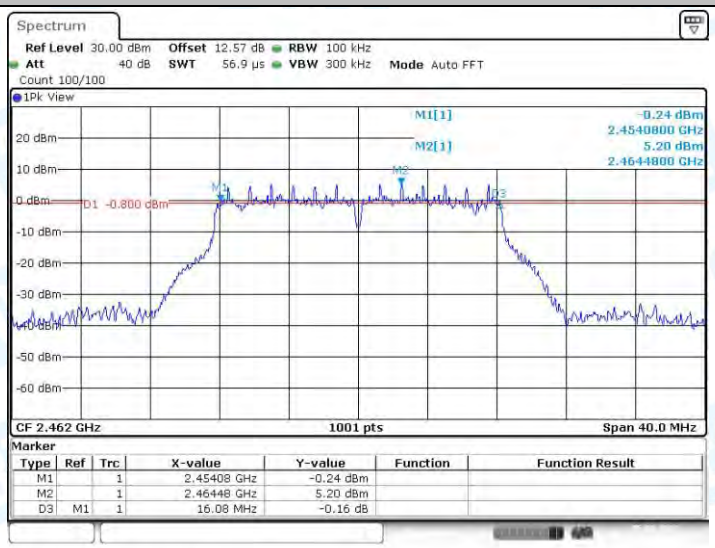

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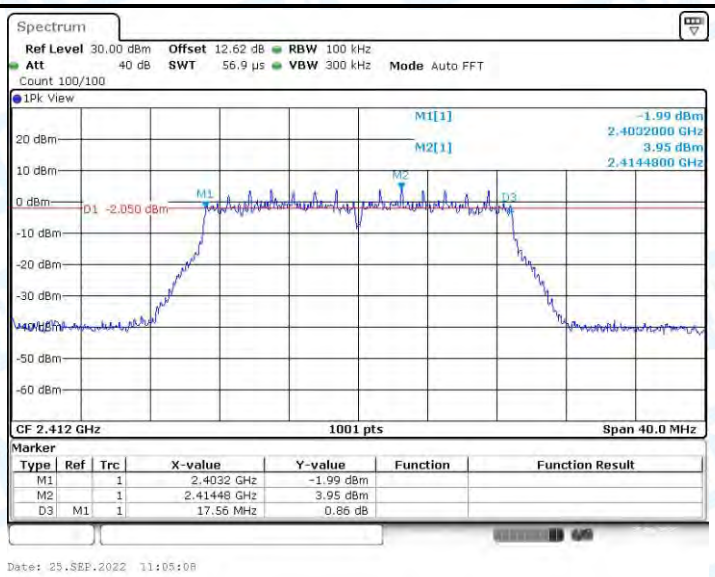

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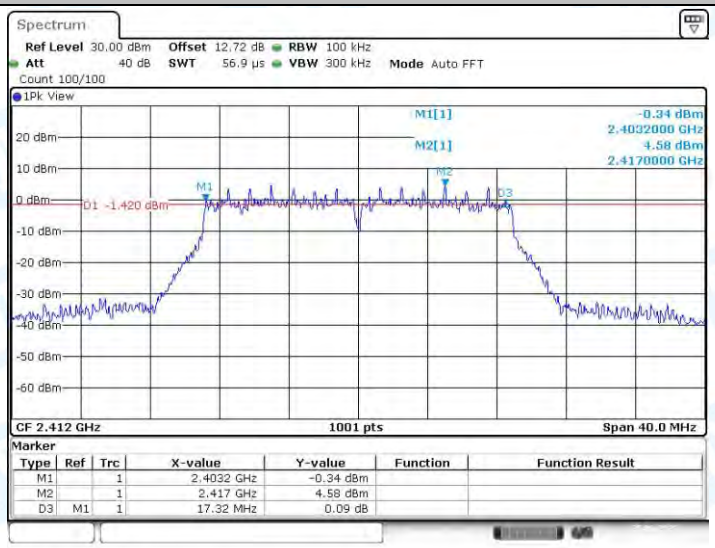

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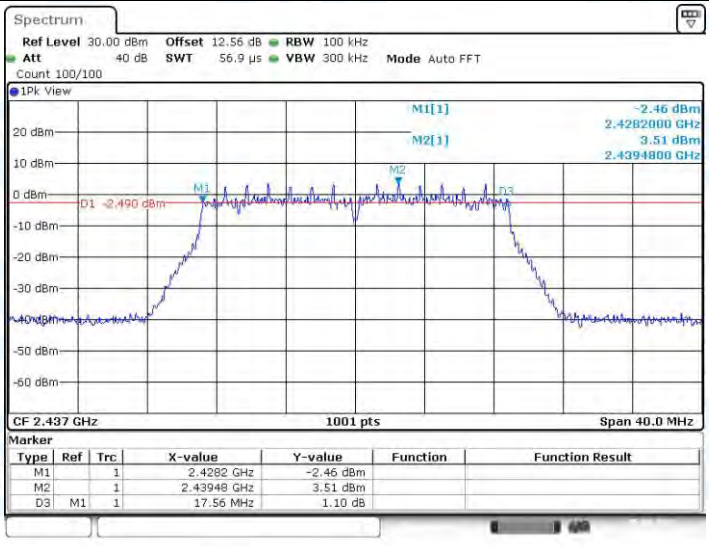

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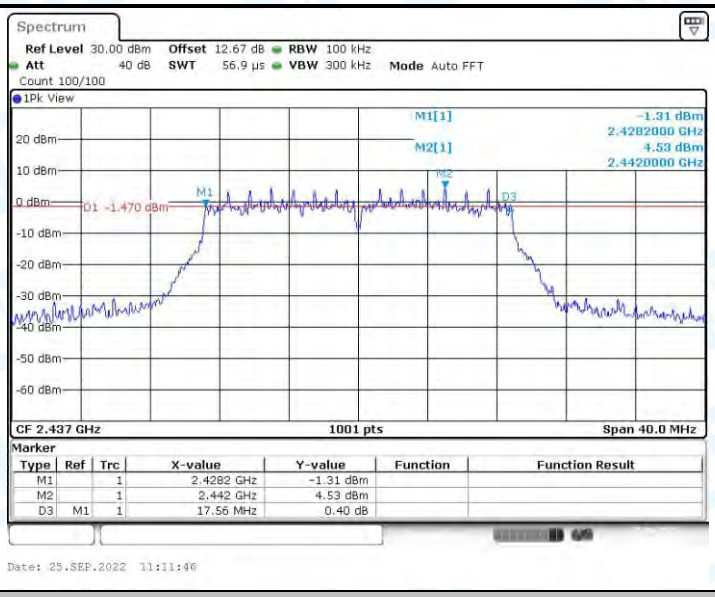

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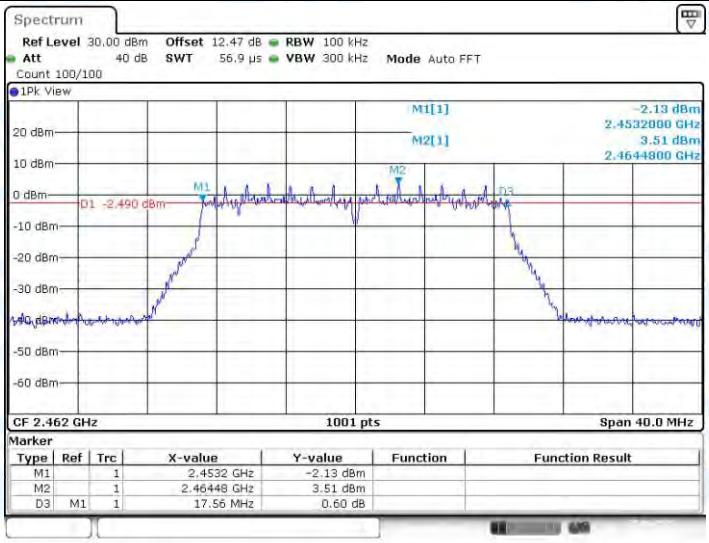

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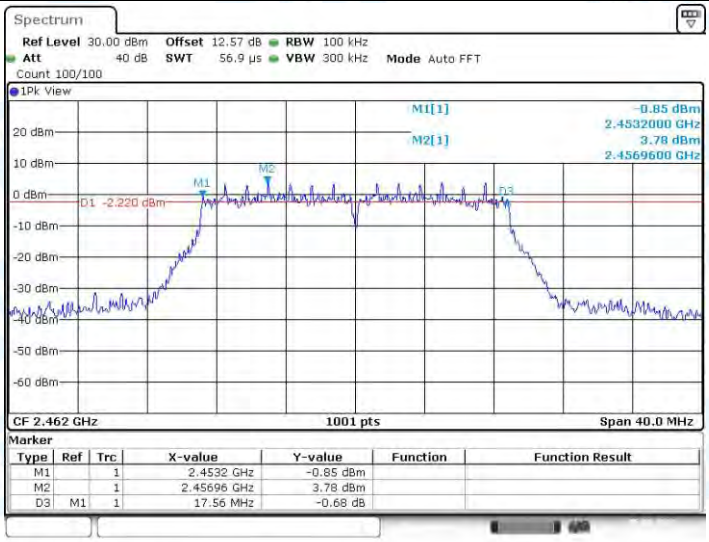

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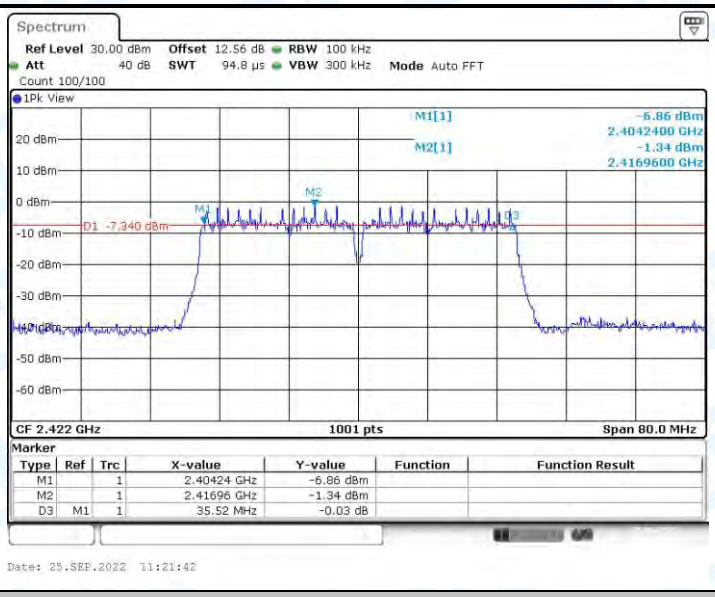

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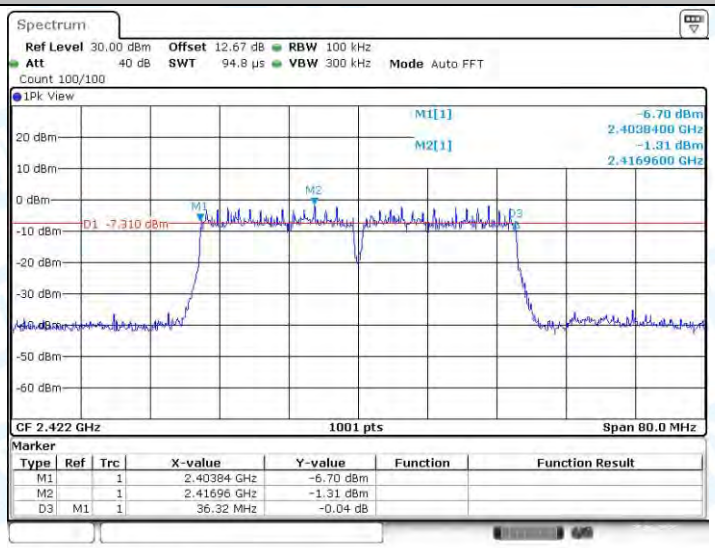

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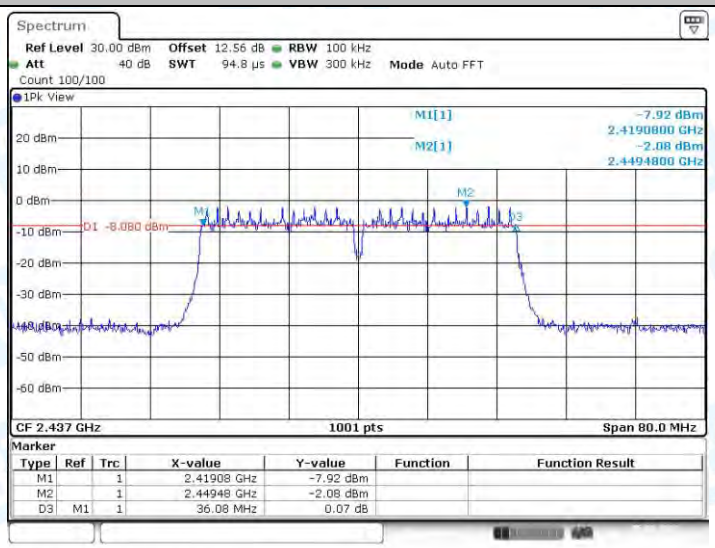

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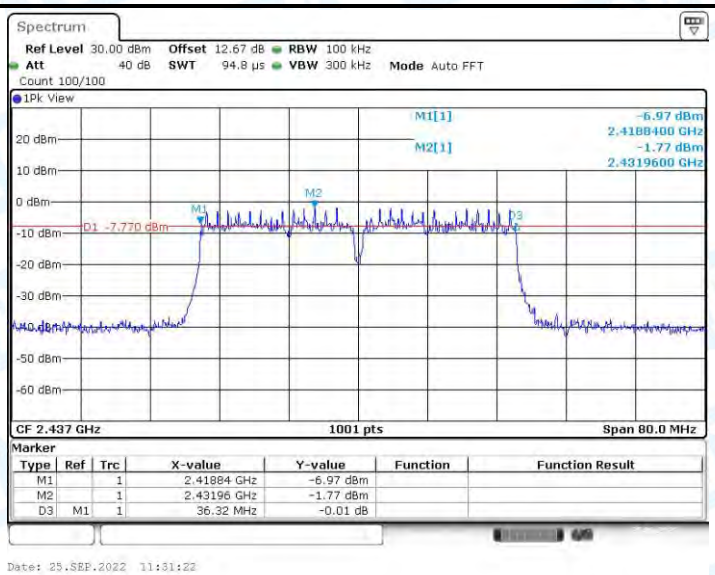

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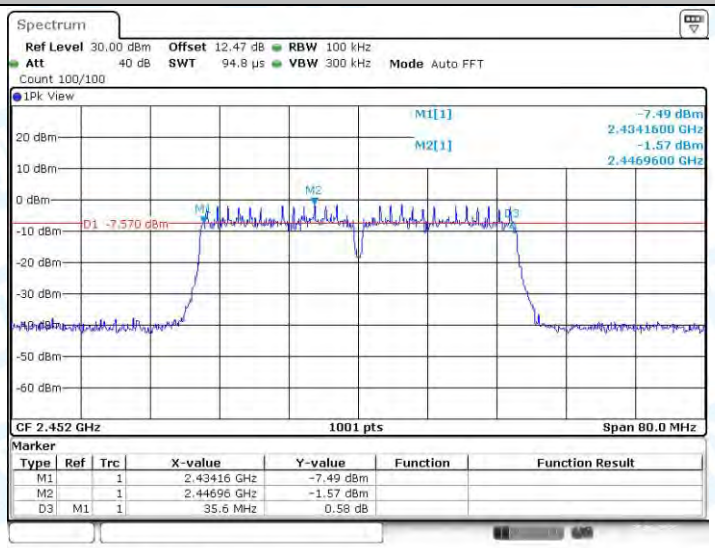

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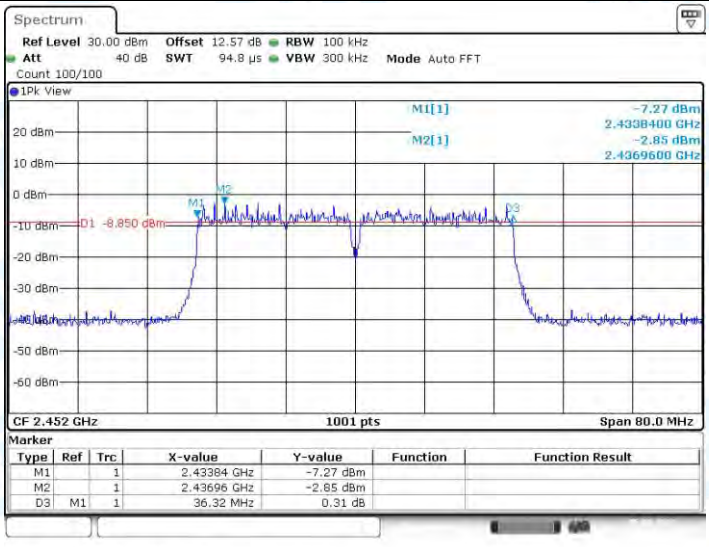

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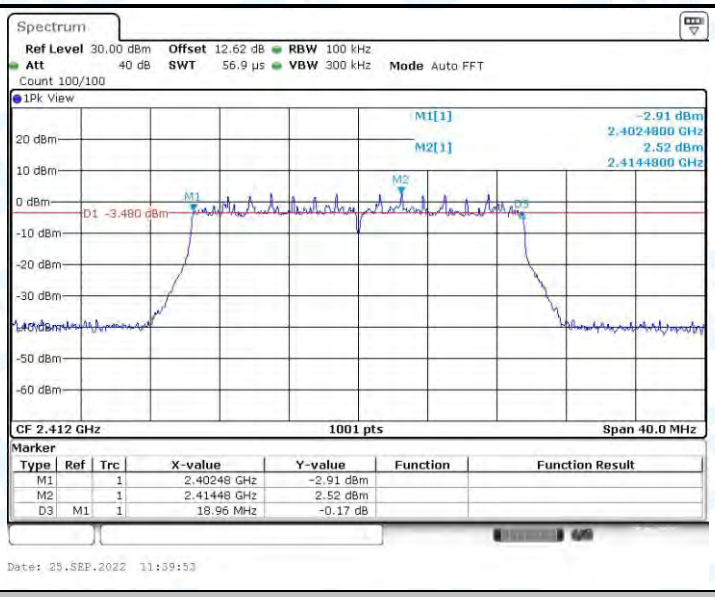

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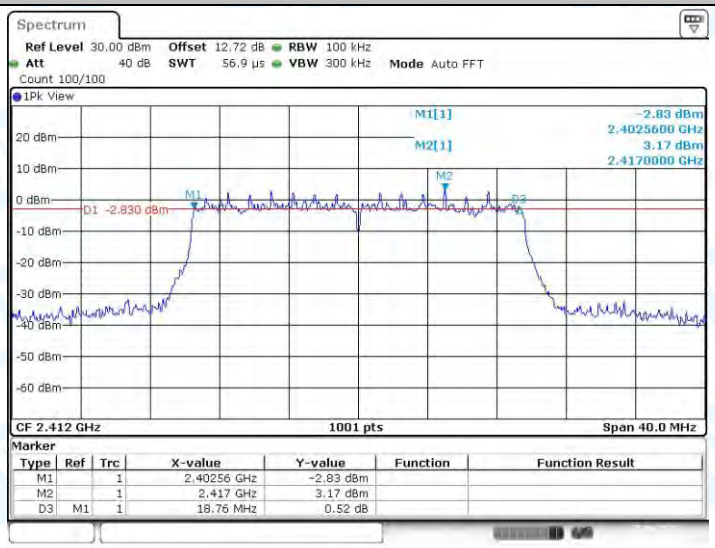

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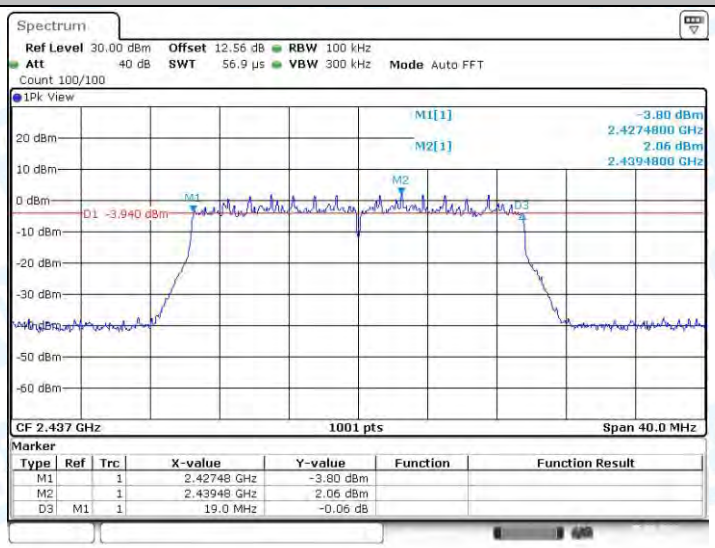

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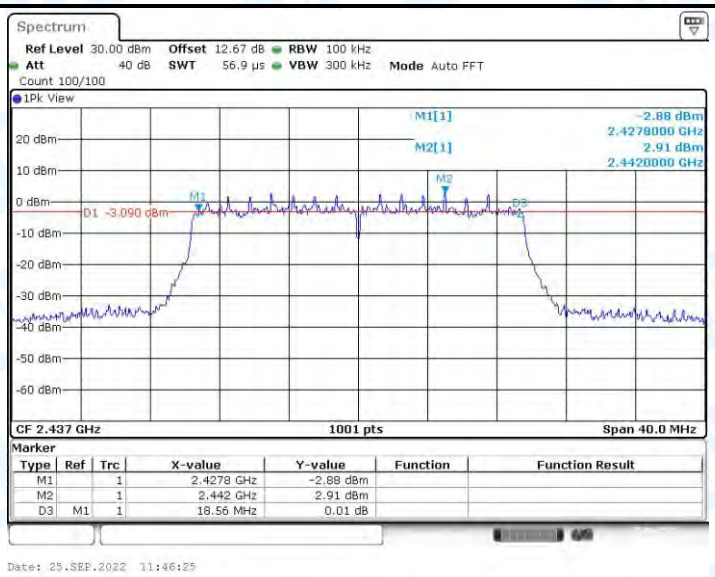

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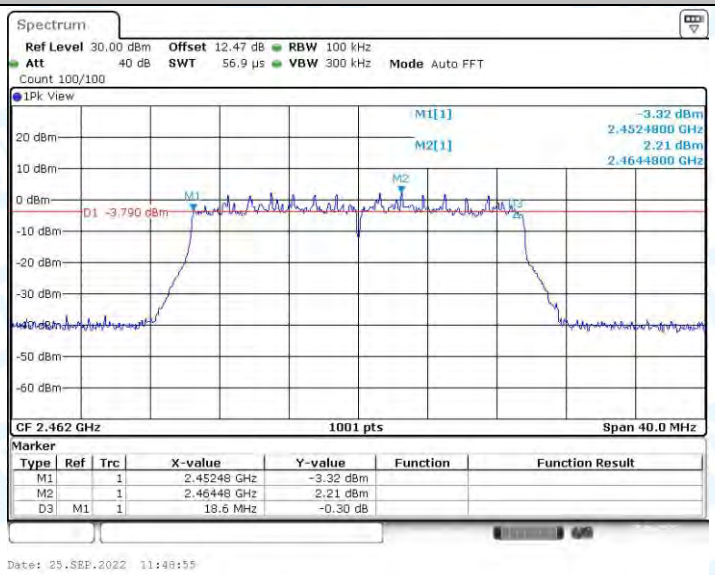

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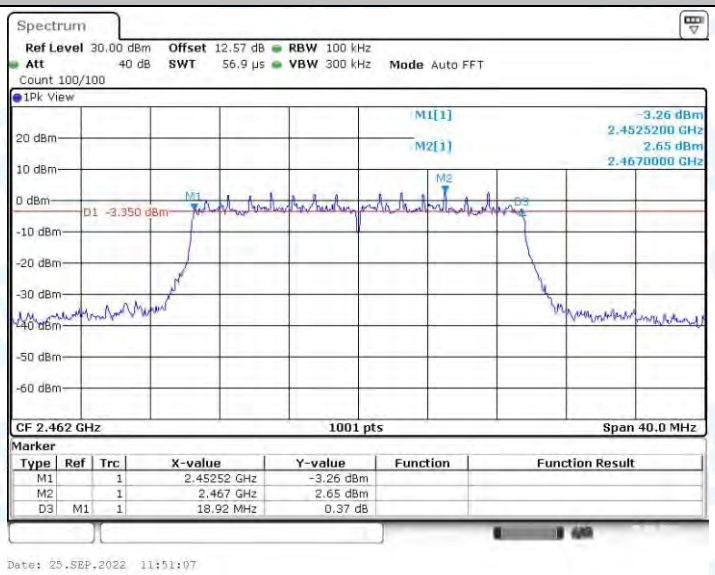

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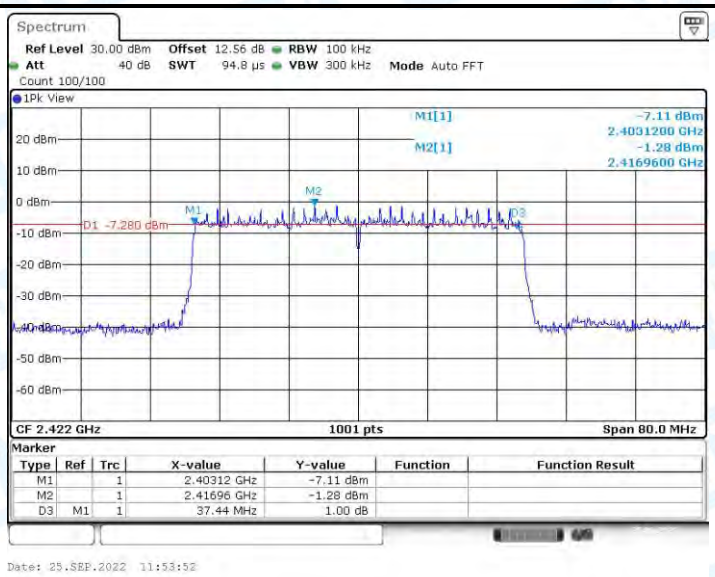

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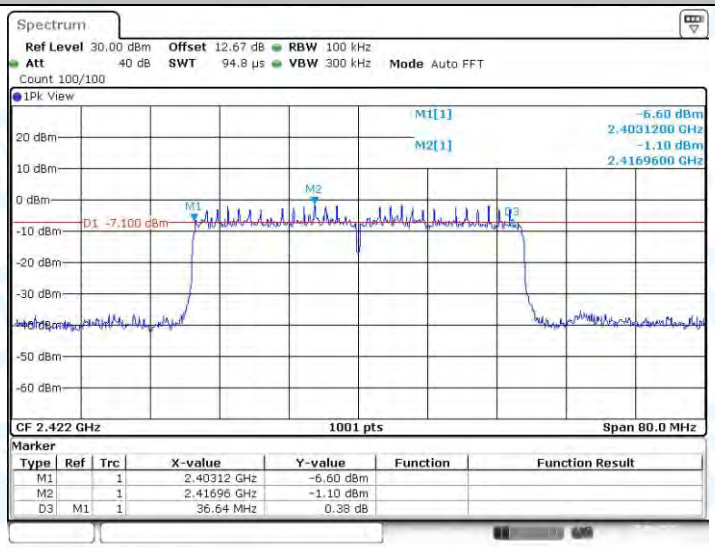

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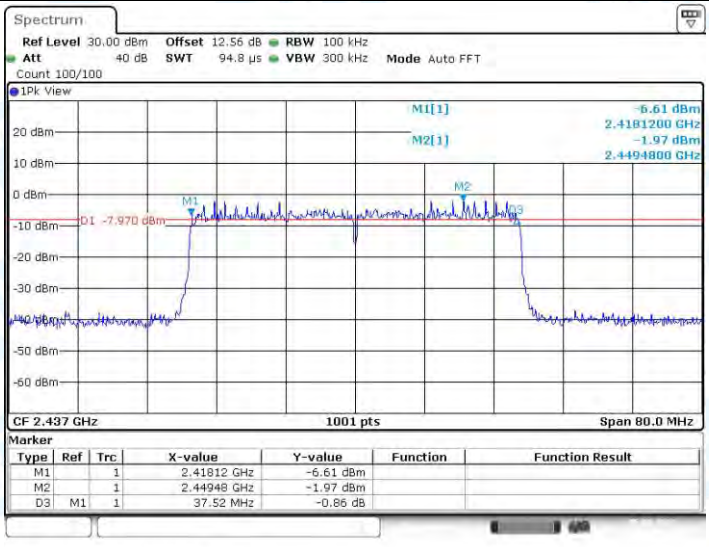

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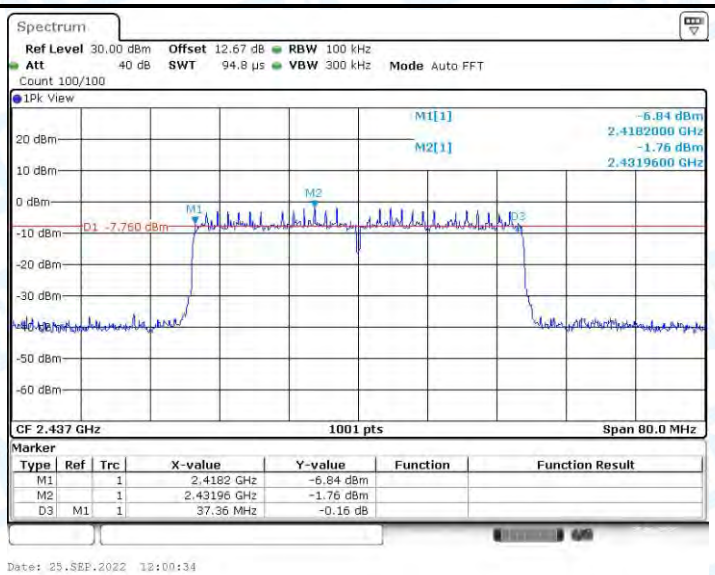

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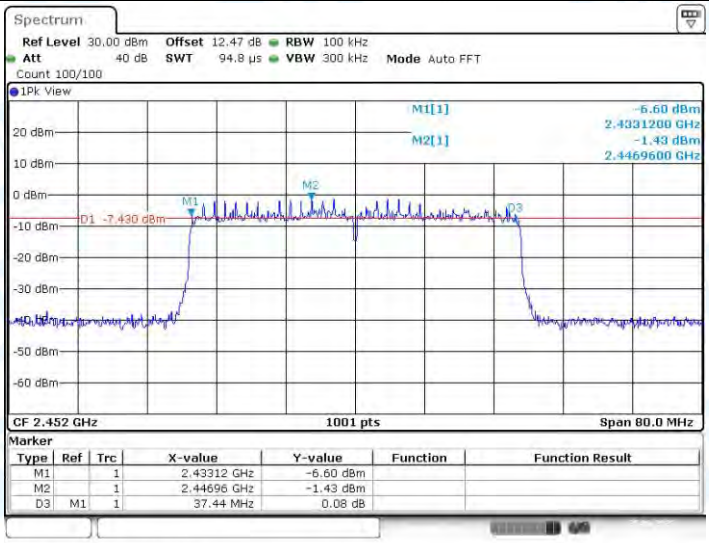

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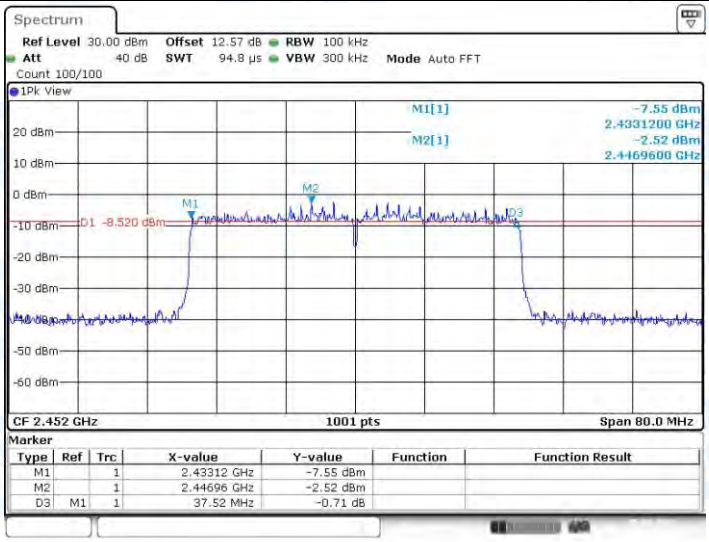

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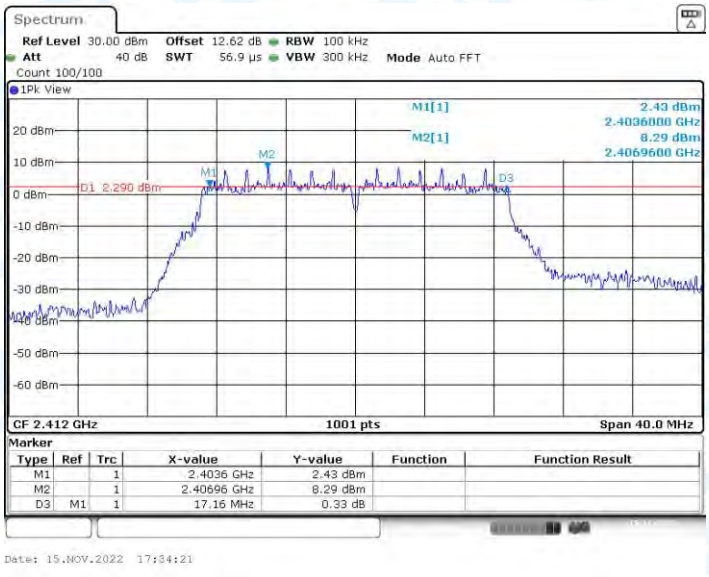

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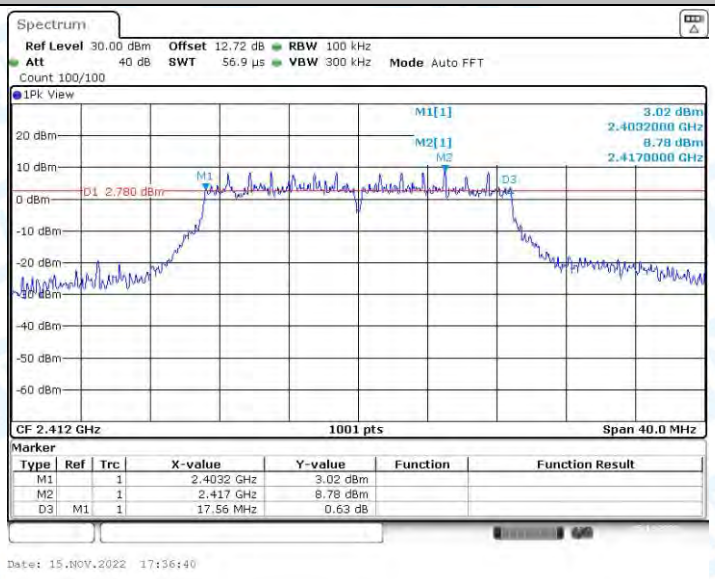

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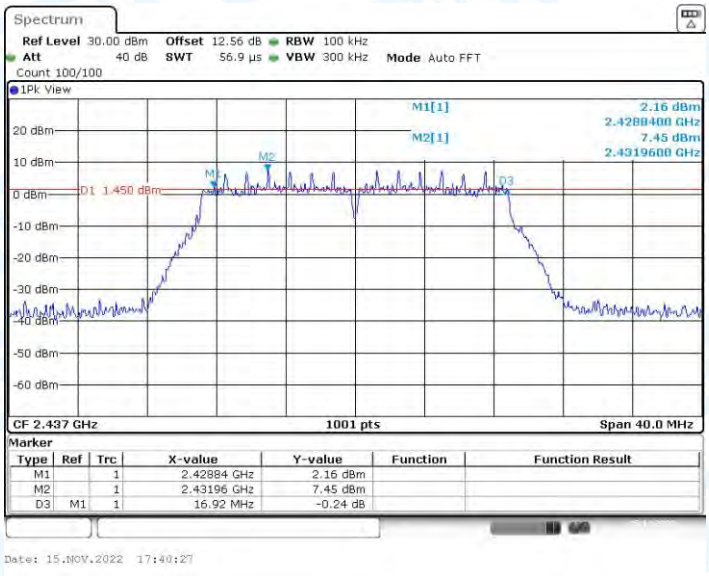

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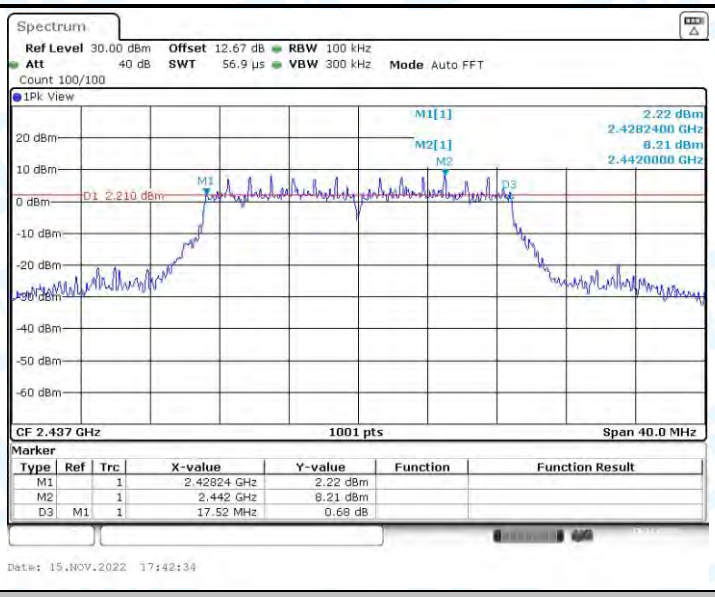

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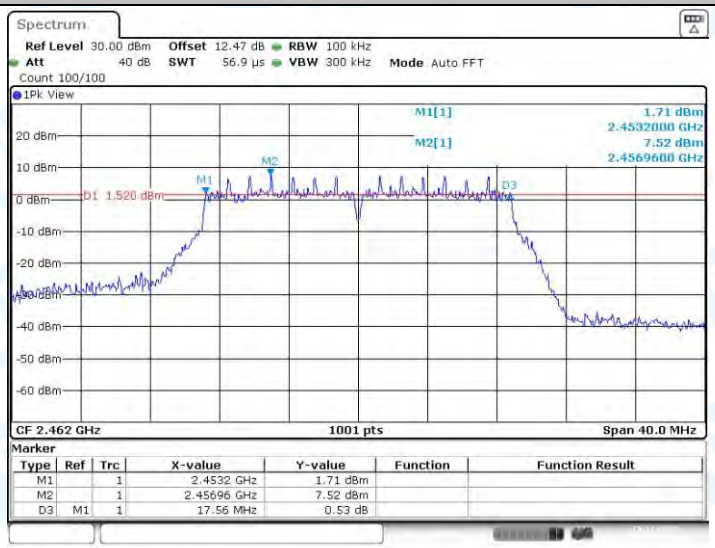

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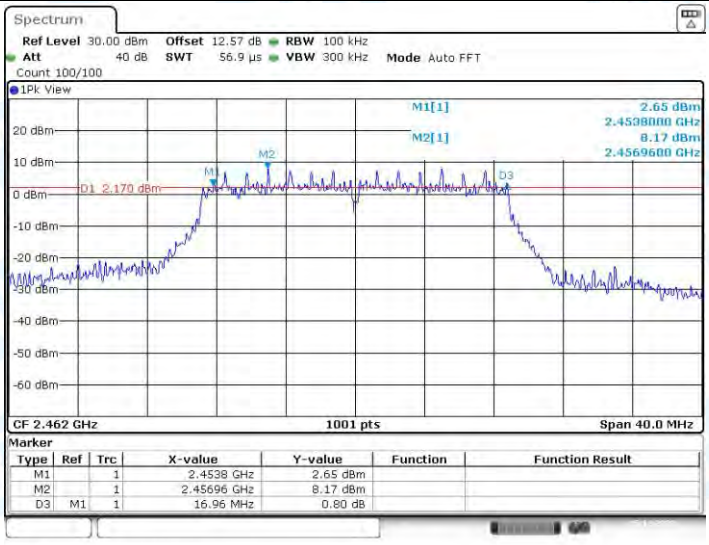

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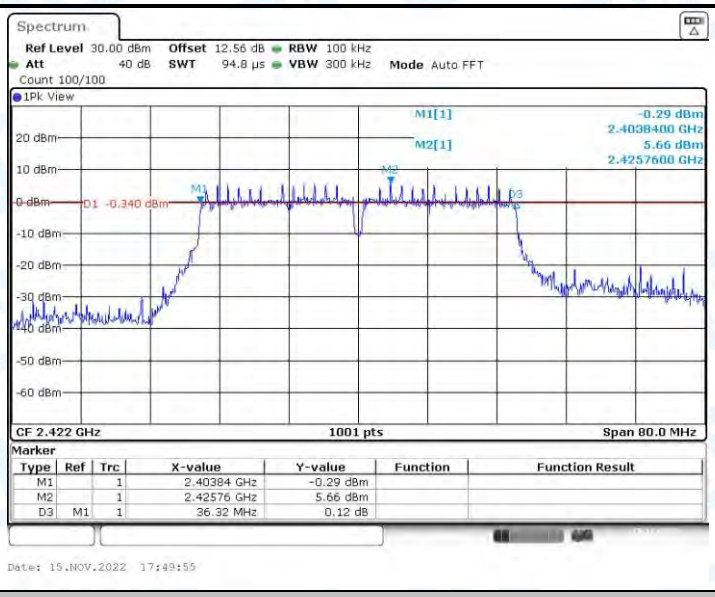

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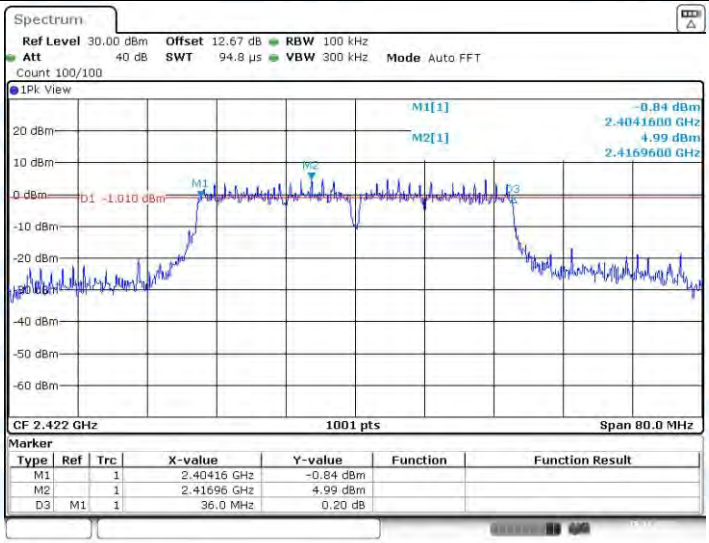

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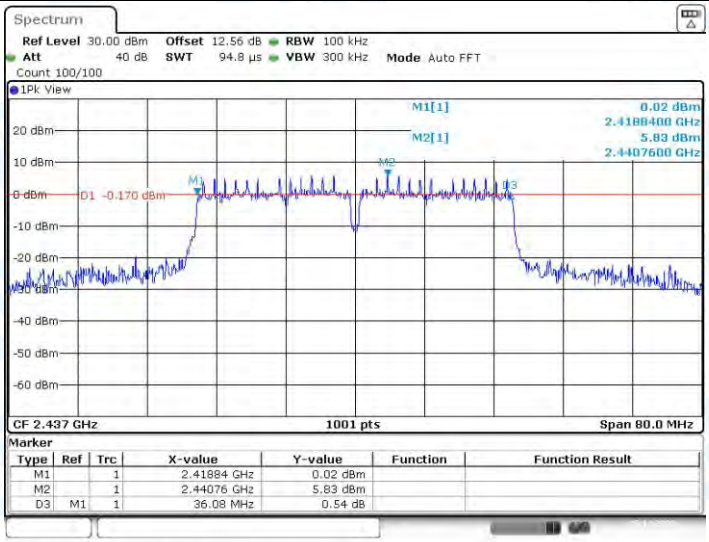

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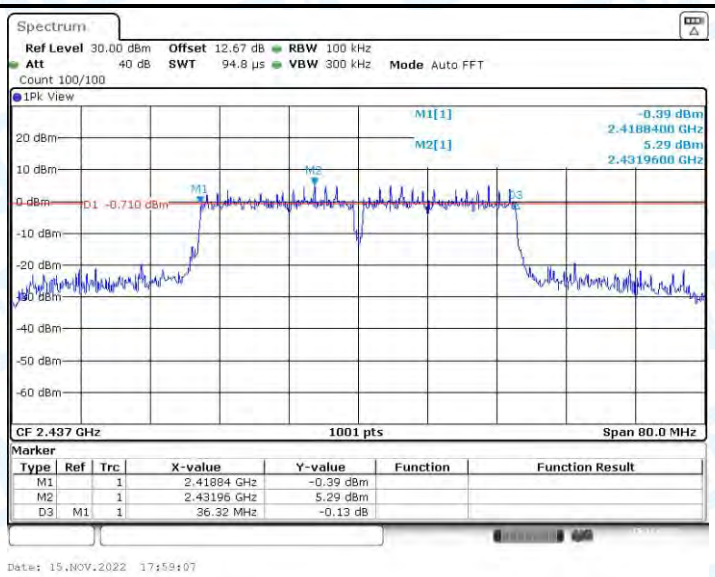
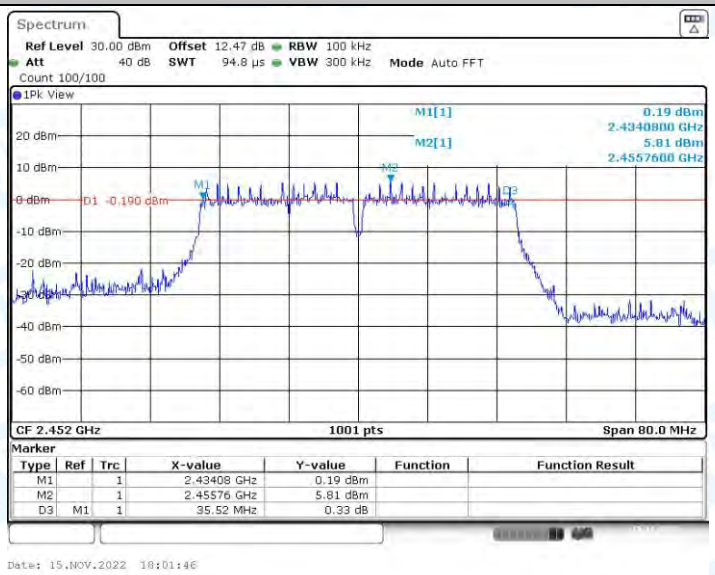
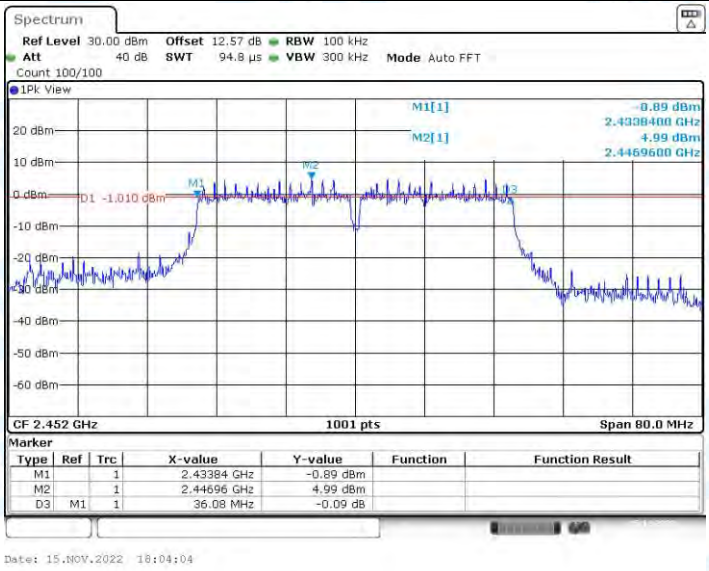


VHT40_SDM_Ant1_2452



VHT40_SDM_Ant2_2452



2. Maximum conducted output power

2.1.Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-SISO	Ant1	2412	20.50	≤30.00	PASS
	Ant2	2412	19.99	≤30.00	PASS
	Ant1	2437	20.29	≤30.00	PASS
	Ant2	2437	19.94	≤30.00	PASS
	Ant1	2462	20.24	≤30.00	PASS
	Ant2	2462	19.65	≤30.00	PASS
11G-SISO	Ant1	2412	19.01	≤30.00	PASS
	Ant2	2412	19.32	≤30.00	PASS
	Ant1	2437	18.78	≤30.00	PASS
	Ant2	2437	19.03	≤30.00	PASS
	Ant1	2462	18.75	≤30.00	PASS
	Ant2	2462	18.91	≤30.00	PASS
11N20SDM	Ant1	2412	18.23	≤30.00	PASS
	Ant2	2412	18.67	≤30.00	PASS
	total	2412	21.47	≤29.44	PASS
	Ant1	2437	18.06	≤30.00	PASS
	Ant2	2437	18.60	≤30.00	PASS
	total	2437	21.35	≤29.44	PASS
	Ant1	2462	17.80	≤30.00	PASS
	Ant2	2462	18.40	≤30.00	PASS
	total	2462	21.12	≤29.44	PASS
11N40SDM	Ant1	2422	15.29	≤30.00	PASS
	Ant2	2422	16.05	≤30.00	PASS
	total	2422	18.70	≤29.44	PASS
	Ant1	2437	15.58	≤30.00	PASS
	Ant2	2437	16.35	≤30.00	PASS
	total	2437	18.99	≤29.44	PASS
	Ant1	2452	15.14	≤30.00	PASS
	Ant2	2452	15.78	≤30.00	PASS
	total	2452	18.48	≤29.44	PASS
VHT20-SDM	Ant1	2412	18.82	≤30.00	PASS
	Ant2	2412	18.34	≤30.00	PASS
	total	2412	21.60	≤29.44	PASS
	Ant1	2437	18.59	≤30.00	PASS
	Ant2	2437	18.13	≤30.00	PASS
	total	2437	21.38	≤29.44	PASS
	Ant1	2462	18.55	≤30.00	PASS
	Ant2	2462	18.05	≤30.00	PASS
	total	2462	21.32	≤29.44	PASS
VHT40-SDM	Ant1	2422	16.42	≤30.00	PASS
	Ant2	2422	15.76	≤30.00	PASS
	total	2422	19.11	≤29.44	PASS
	Ant1	2437	16.81	≤30.00	PASS
	Ant2	2437	16.19	≤30.00	PASS
	total	2437	19.52	≤29.44	PASS
	Ant1	2452	16.45	≤30.00	PASS
	Ant2	2452	15.80	≤30.00	PASS
	total	2452	19.15	≤29.44	PASS
11AX20SDM	Ant1	2412	17.34	≤30.00	PASS
	Ant2	2412	17.72	≤30.00	PASS
	total	2412	20.54	≤29.44	PASS
	Ant1	2437	17.29	≤30.00	PASS
	Ant2	2437	17.69	≤30.00	PASS

	total	2437	20.50	≤29.44	PASS
	Ant1	2462	17.01	≤30.00	PASS
	Ant2	2462	17.53	≤30.00	PASS
	total	2462	20.29	≤29.44	PASS
11AX40SDM	Ant1	2422	16.47	≤30.00	PASS
	Ant2	2422	16.83	≤30.00	PASS
	total	2422	19.66	≤29.44	PASS
	Ant1	2437	16.81	≤30.00	PASS
	Ant2	2437	17.32	≤30.00	PASS
	total	2437	20.08	≤29.44	PASS
	Ant1	2452	16.32	≤30.00	PASS
	Ant2	2452	16.88	≤30.00	PASS
	total	2452	19.62	≤29.44	PASS
Note: The EUT incorporates a SDM function. Physically, the EUT provides three antennas for transmitting and receiving. When ANT.1(3.01dBi) and ANT. 2(4.03dBi) transmitting simultaneously, and the Directional Gain=6.56dBi＞6dBi. So $P_{out} = P_{limit}-(G_{TX}-6)]=(30-0.56)$dBm =29.44dBm					

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	20.08	≤30.00	PASS
	Ant2	2412	20.05	≤30.00	PASS
	total	2412	23.08	≤30.00	PASS
	Ant1	2437	20.13	≤30.00	PASS
	Ant2	2437	19.99	≤30.00	PASS
	total	2437	23.07	≤30.00	PASS
	Ant1	2462	20.03	≤30.00	PASS
	Ant2	2462	20.01	≤30.00	PASS
	total	2462	23.03	≤30.00	PASS
11G-CDD	Ant1	2412	19.03	≤30.00	PASS
	Ant2	2412	18.26	≤30.00	PASS
	total	2412	21.67	≤30.00	PASS
	Ant1	2437	18.54	≤30.00	PASS
	Ant2	2437	18.41	≤30.00	PASS
	total	2437	21.49	≤30.00	PASS
	Ant1	2462	18.73	≤30.00	PASS
	Ant2	2462	18.63	≤30.00	PASS
	total	2462	21.69	≤30.00	PASS
11N20CDD	Ant1	2412	18.59	≤30.00	PASS
	Ant2	2412	18.50	≤30.00	PASS
	total	2412	21.56	≤30.00	PASS
	Ant1	2437	18.74	≤30.00	PASS
	Ant2	2437	18.27	≤30.00	PASS
	total	2437	21.52	≤30.00	PASS
	Ant1	2462	18.57	≤30.00	PASS
	Ant2	2462	18.29	≤30.00	PASS
	total	2462	21.44	≤30.00	PASS
11N40CDD	Ant1	2422	17.33	≤30.00	PASS
	Ant2	2422	16.97	≤30.00	PASS
	total	2422	20.16	≤30.00	PASS
	Ant1	2437	17.64	≤30.00	PASS
	Ant2	2437	17.39	≤30.00	PASS
	total	2437	20.53	≤30.00	PASS
	Ant1	2452	17.31	≤30.00	PASS
	Ant2	2452	16.88	≤30.00	PASS
	total	2452	20.11	≤30.00	PASS
VHT20CDD	Ant1	2412	18.71	≤30.00	PASS
	Ant2	2412	18.49	≤30.00	PASS
	total	2412	21.61	≤30.00	PASS
	Ant1	2437	18.68	≤30.00	PASS
	Ant2	2437	18.49	≤30.00	PASS
	total	2437	21.60	≤30.00	PASS
	Ant1	2462	18.70	≤30.00	PASS
	Ant2	2462	18.40	≤30.00	PASS
	total	2462	21.56	≤30.00	PASS
VHT40CDD	Ant1	2422	16.38	≤30.00	PASS
	Ant2	2422	16.01	≤30.00	PASS
	total	2422	19.21	≤30.00	PASS
	Ant1	2437	16.74	≤30.00	PASS
	Ant2	2437	16.29	≤30.00	PASS
	total	2437	19.53	≤30.00	PASS
	Ant1	2452	16.36	≤30.00	PASS
	Ant2	2452	15.77	≤30.00	PASS
	total	2452	19.09	≤30.00	PASS
11AX20CDD	Ant1	2412	17.07	≤30.00	PASS
	Ant2	2412	16.28	≤30.00	PASS
	total	2412	19.70	≤30.00	PASS

	Ant1	2437	16.84	≤30.00	PASS
	Ant2	2437	16.39	≤30.00	PASS
	total	2437	19.63	≤30.00	PASS
	Ant1	2462	16.84	≤30.00	PASS
	Ant2	2462	16.23	≤30.00	PASS
	total	2462	19.56	≤30.00	PASS
11AX40CDD	Ant1	2422	16.53	≤30.00	PASS
	Ant2	2422	15.98	≤30.00	PASS
	total	2422	19.27	≤30.00	PASS
	Ant1	2437	16.97	≤30.00	PASS
	Ant2	2437	16.51	≤30.00	PASS
	total	2437	19.76	≤30.00	PASS
	Ant1	2452	16.48	≤30.00	PASS
	Ant2	2452	16.14	≤30.00	PASS
	total	2452	19.32	≤30.00	PASS
Notes:1. Directional gain is the maximum gain of antennas. 2. The maximum gain is 4.03 dBi < 6 dBi, so the output power limit shall not be reduced.					

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20-BF	Ant1	2412	18.08	≤30.00	PASS
	Ant2	2412	18.32	≤30.00	PASS
	total	2412	21.21	≤29.44	PASS
	Ant1	2437	18.53	≤30.00	PASS
	Ant2	2437	18.54	≤30.00	PASS
	total	2437	21.55	≤29.44	PASS
	Ant1	2462	18.33	≤30.00	PASS
	Ant2	2462	18.11	≤30.00	PASS
	total	2462	21.23	≤29.44	PASS
11N40-BF	Ant1	2422	17.20	≤30.00	PASS
	Ant2	2422	17.15	≤30.00	PASS
	total	2422	20.19	≤29.44	PASS
	Ant1	2437	17.65	≤30.00	PASS
	Ant2	2437	17.48	≤30.00	PASS
	total	2437	20.58	≤29.44	PASS
	Ant1	2452	17.22	≤30.00	PASS
	Ant2	2452	17.11	≤30.00	PASS
	total	2452	20.18	≤29.44	PASS
VHT20-BF	Ant1	2412	17.99	≤30.00	PASS
	Ant2	2412	17.95	≤30.00	PASS
	total	2412	20.98	≤29.44	PASS
	Ant1	2437	18.25	≤30.00	PASS
	Ant2	2437	18.44	≤30.00	PASS
	total	2437	21.36	≤29.44	PASS
	Ant1	2462	18.19	≤30.00	PASS
	Ant2	2462	17.83	≤30.00	PASS
	total	2462	21.02	≤29.44	PASS
VHT40-BF	Ant1	2422	16.12	≤30.00	PASS
	Ant2	2422	16.04	≤30.00	PASS
	total	2422	19.09	≤29.44	PASS
	Ant1	2437	16.69	≤30.00	PASS
	Ant2	2437	16.52	≤30.00	PASS
	total	2437	19.62	≤29.44	PASS
	Ant1	2452	16.01	≤30.00	PASS
	Ant2	2452	16.02	≤30.00	PASS
	total	2452	19.03	≤29.44	PASS
11AX20-BF	Ant1	2412	15.84	≤30.00	PASS
	Ant2	2412	15.66	≤30.00	PASS
	total	2412	18.76	≤29.44	PASS
	Ant1	2437	15.90	≤30.00	PASS
	Ant2	2437	15.71	≤30.00	PASS
	total	2437	18.82	≤29.44	PASS
	Ant1	2462	15.52	≤30.00	PASS
	Ant2	2462	15.36	≤30.00	PASS
	total	2462	18.45	≤29.44	PASS
11AX40-BF	Ant1	2422	15.50	≤30.00	PASS
	Ant2	2422	15.77	≤30.00	PASS
	total	2422	18.65	≤29.44	PASS
	Ant1	2437	16.14	≤30.00	PASS
	Ant2	2437	16.21	≤30.00	PASS
	total	2437	19.19	≤29.44	PASS
	Ant1	2452	16.14	≤30.00	PASS
	Ant2	2452	16.09	≤30.00	PASS
	total	2452	19.13	≤29.44	PASS

Note: The EUT incorporates a beamforming function. Physically, the EUT provides three antennas for transmitting and receiving. When ANT.1(3.01dBi) and ANT. 2(4.03dBi) transmitting simultaneously, and the Directional Gain=6.56dBi＞6dBi. So P_{out} = P_{limit}-(G_{TX}-6)]=(30-0.56)dBm =29.44dBm

3. Maximum power spectral density

3.1.Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B-SISO	Ant1	2412	-10.25	≤8.00	PASS
	Ant2	2412	-10.65	≤8.00	PASS
	Ant1	2437	-10.52	≤8.00	PASS
	Ant2	2437	-8.49	≤8.00	PASS
	Ant1	2462	-10.98	≤8.00	PASS
	Ant2	2462	-10.13	≤8.00	PASS
11G-SISO	Ant1	2412	-7.75	≤8.00	PASS
	Ant2	2412	-6.59	≤8.00	PASS
	Ant1	2437	-8.13	≤8.00	PASS
	Ant2	2437	-6.87	≤8.00	PASS
	Ant1	2462	-8.13	≤8.00	PASS
	Ant2	2462	-7.18	≤8.00	PASS
11N20SDM	Ant1	2412	-9.57	≤8.00	PASS
	Ant2	2412	-7.12	≤8.00	PASS
	total	2412	-5.16	≤7.44	PASS
	Ant1	2437	-9.98	≤8.00	PASS
	Ant2	2437	-6.77	≤8.00	PASS
	total	2437	-5.07	≤7.44	PASS
	Ant1	2462	-10.34	≤8.00	PASS
	Ant2	2462	-7.7	≤8.00	PASS
	total	2462	-5.81	≤7.44	PASS
11N40SDM	Ant1	2422	-15.37	≤8.00	PASS
	Ant2	2422	-13.24	≤8.00	PASS
	total	2422	-11.17	≤7.44	PASS
	Ant1	2437	-14.9	≤8.00	PASS
	Ant2	2437	-13.19	≤8.00	PASS
	total	2437	-10.95	≤7.44	PASS
	Ant1	2452	-15.15	≤8.00	PASS
	Ant2	2452	-13.34	≤8.00	PASS
	total	2452	-11.14	≤7.44	PASS
11AX20SDM	Ant1	2412	-12.48	≤8.00	PASS
	Ant2	2412	-11.37	≤8.00	PASS
	total	2412	-8.88	≤7.44	PASS
	Ant1	2437	-12.47	≤8.00	PASS
	Ant2	2437	-11.96	≤8.00	PASS
	total	2437	-9.20	≤7.44	PASS
	Ant1	2462	-12.88	≤8.00	PASS
	Ant2	2462	-12.01	≤8.00	PASS
	total	2462	-9.41	≤7.44	PASS
11AX40SDM	Ant1	2422	-17.33	≤8.00	PASS
	Ant2	2422	-15.88	≤8.00	PASS
	total	2422	-13.53	≤7.44	PASS
	Ant1	2437	-16.35	≤8.00	PASS
	Ant2	2437	-15.29	≤8.00	PASS
	total	2437	-12.78	≤7.44	PASS
	Ant1	2452	-16.31	≤8.00	PASS
	Ant2	2452	-15.49	≤8.00	PASS
	total	2452	-12.87	≤7.44	PASS
VHT20-SDM	Ant1	2412	-7.53	≤8.00	PASS
	Ant2	2412	-8.59	≤8.00	PASS
	total	2412	-5.02	≤7.44	PASS
	Ant1	2437	-7.31	≤8.00	PASS
	Ant2	2437	-8.41	≤8.00	PASS

	total	2437	-4.81	≤7.44	PASS
	Ant1	2462	-7.86	≤8.00	PASS
	Ant2	2462	-7.94	≤8.00	PASS
	total	2462	-4.89	≤7.44	PASS
VHT40-SDM	Ant1	2422	-14.74	≤8.00	PASS
	Ant2	2422	-13.7	≤8.00	PASS
	total	2422	-11.18	≤7.44	PASS
	Ant1	2437	-14.42	≤8.00	PASS
	Ant2	2437	-14.04	≤8.00	PASS
	total	2437	-11.22	≤7.44	PASS
	Ant1	2452	-13.91	≤8.00	PASS
	Ant2	2452	-13.59	≤8.00	PASS
	total	2452	-10.74	≤7.44	PASS
Note: The EUT incorporates a SDM function. Physically, the EUT provides three antennas for transmitting and receiving. When ANT.1(3.01dBi) and ANT. 2(4.03dBi) transmitting simultaneously, and the Directional Gain=6.56dBi＞6dBi. So $PSD_{out} = PSD_{limit}-(G_{TX}-6)]=(8-0.56)dBm/3kHz =7.44dBm/3kHz$					

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B_CDD	Ant1	2412	-8.99	≤8.00	PASS
	Ant2	2412	-8.32	≤8.00	PASS
	total	2412	-5.63	≤7.44	PASS
	Ant1	2437	-9.58	≤8.00	PASS
	Ant2	2437	-9.67	≤8.00	PASS
	total	2437	-6.61	≤7.44	PASS
	Ant1	2462	-9.39	≤8.00	PASS
	Ant2	2462	-9.12	≤8.00	PASS
	total	2462	-6.24	≤7.44	PASS
11G_CDD	Ant1	2412	-7.42	≤8.00	PASS
	Ant2	2412	-7.61	≤8.00	PASS
	total	2412	-4.50	≤7.44	PASS
	Ant1	2437	-7.47	≤8.00	PASS
	Ant2	2437	-6.99	≤8.00	PASS
	total	2437	-4.21	≤7.44	PASS
	Ant1	2462	-7.86	≤8.00	PASS
	Ant2	2462	-7.46	≤8.00	PASS
	total	2462	-4.65	≤7.44	PASS
11N20_CDD	Ant1	2412	-8.99	≤8.00	PASS
	Ant2	2412	-8.29	≤8.00	PASS
	total	2412	-5.62	≤7.44	PASS
	Ant1	2437	-8.96	≤8.00	PASS
	Ant2	2437	-8.58	≤8.00	PASS
	total	2437	-5.76	≤7.44	PASS
	Ant1	2462	-8.31	≤8.00	PASS
	Ant2	2462	-8.79	≤8.00	PASS
	total	2462	-5.53	≤7.44	PASS
11N40_CDD	Ant1	2422	-13.8	≤8.00	PASS
	Ant2	2422	-13.64	≤8.00	PASS
	total	2422	-10.71	≤7.44	PASS
	Ant1	2437	-13.6	≤8.00	PASS
	Ant2	2437	-13.78	≤8.00	PASS
	total	2437	-10.68	≤7.44	PASS
	Ant1	2452	-14.08	≤8.00	PASS
	Ant2	2452	-14.07	≤8.00	PASS
	total	2452	-11.06	≤7.44	PASS
VHT40_CDD	Ant1	2412	-7.51	≤8.00	PASS
	Ant2	2412	-8.62	≤8.00	PASS
	total	2412	-5.02	≤7.44	PASS
	Ant1	2437	-8.49	≤8.00	PASS
	Ant2	2437	-8.74	≤8.00	PASS
	total	2437	-5.60	≤7.44	PASS
	Ant1	2462	-8.27	≤8.00	PASS
	Ant2	2462	-7.92	≤8.00	PASS

	total	2462	-5.08	≤7.44	PASS
VHT40_CDD	Ant1	2422	-13.97	≤8.00	PASS
	Ant2	2422	-12.85	≤8.00	PASS
	total	2422	-10.36	≤7.44	PASS
	Ant1	2437	-13.51	≤8.00	PASS
	Ant2	2437	-13.2	≤8.00	PASS
	total	2437	-10.34	≤7.44	PASS
	Ant1	2452	-14.52	≤8.00	PASS
	Ant2	2452	-12.87	≤8.00	PASS
	total	2452	-10.61	≤7.44	PASS
11AX20_CDD	Ant1	2412	-11.99	≤8.00	PASS
	Ant2	2412	-12.97	≤8.00	PASS
	total	2412	-9.44	≤7.44	PASS
	Ant1	2437	-12.86	≤8.00	PASS
	Ant2	2437	-13.24	≤8.00	PASS
	total	2437	-10.04	≤7.44	PASS
	Ant1	2462	-13.35	≤8.00	PASS
	Ant2	2462	-13.14	≤8.00	PASS
	total	2462	-10.23	≤7.44	PASS
11AX40_CDD	Ant1	2422	-16.75	≤8.00	PASS
	Ant2	2422	-16.06	≤8.00	PASS
	total	2422	-13.38	≤7.44	PASS
	Ant1	2437	-15.48	≤8.00	PASS
	Ant2	2437	-15.32	≤8.00	PASS
	total	2437	-12.39	≤7.44	PASS
	Ant1	2452	-16.69	≤8.00	PASS
	Ant2	2452	-15.64	≤8.00	PASS
	total	2452	-13.12	≤7.44	PASS

Notes:1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2] (ANT.1(3.01dBi) and ANT. 2(4.03dBi))
3. The directional gain is 6.56dBi > 6dBi, so the power density limit shall be reduced to 8-(6.56-6) = 7.44dBm/3kHz.

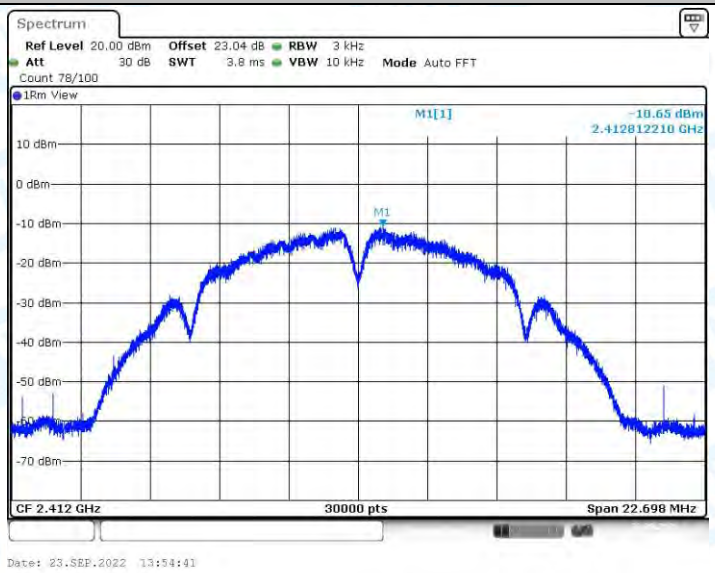
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11N20-BF	Ant1	2412	-14.48	≤8.00	PASS
	Ant2	2412	-13.30	≤8.00	PASS
	total	2412	-10.84	≤7.44	PASS
	Ant1	2437	-13.97	≤8.00	PASS
	Ant2	2437	-14.04	≤8.00	PASS
	total	2437	-10.99	≤7.44	PASS
	Ant1	2462	-13.66	≤8.00	PASS
	Ant2	2462	-13.53	≤8.00	PASS
	total	2462	-10.58	≤7.44	PASS
11N40-BF	Ant1	2422	-17.21	≤8.00	PASS
	Ant2	2422	-17.36	≤8.00	PASS
	total	2422	-14.27	≤7.44	PASS
	Ant1	2437	-17.18	≤8.00	PASS
	Ant2	2437	-16.76	≤8.00	PASS
	total	2437	-13.95	≤7.44	PASS
	Ant1	2452	-17.74	≤8.00	PASS
	Ant2	2452	-17.34	≤8.00	PASS
	total	2452	-14.53	≤7.44	PASS
VHT20-BF	Ant1	2412	-13.75	≤8.00	PASS
	Ant2	2412	-13.38	≤8.00	PASS
	total	2412	-10.55	≤7.44	PASS
	Ant1	2437	-13.51	≤8.00	PASS
	Ant2	2437	-13.28	≤8.00	PASS
	total	2437	-10.38	≤7.44	PASS
	Ant1	2462	-14.13	≤8.00	PASS
	Ant2	2462	-14.66	≤8.00	PASS
	total	2462	-11.38	≤7.44	PASS
VHT40-BF	Ant1	2422	-18.97	≤8.00	PASS
	Ant2	2422	-18.9	≤8.00	PASS
	total	2422	-15.92	≤7.44	PASS
	Ant1	2437	-19.15	≤8.00	PASS
	Ant2	2437	-18.52	≤8.00	PASS
	total	2437	-15.81	≤7.44	PASS
	Ant1	2452	-18.7	≤8.00	PASS
	Ant2	2452	-18.59	≤8.00	PASS
	total	2452	-15.63	≤7.44	PASS
11AX20-BF	Ant1	2412	-16.04	≤8.00	PASS
	Ant2	2412	-16.33	≤8.00	PASS
	total	2412	-13.17	≤7.44	PASS
	Ant1	2437	-11.24	≤8.00	PASS
	Ant2	2437	-17.1	≤8.00	PASS
	total	2437	-10.24	≤7.44	PASS
	Ant1	2462	-16.6	≤8.00	PASS
	Ant2	2462	-17.23	≤8.00	PASS
	total	2462	-13.89	≤7.44	PASS
11AX40-BF	Ant1	2422	-18.17	≤8.00	PASS
	Ant2	2422	-17.6	≤8.00	PASS
	total	2422	-14.87	≤7.44	PASS
	Ant1	2437	-17.24	≤8.00	PASS
	Ant2	2437	-18.06	≤8.00	PASS
	total	2437	-14.62	≤7.44	PASS
	Ant1	2452	-20.24	≤8.00	PASS
	Ant2	2452	-20.42	≤8.00	PASS
	total	2452	-17.32	≤7.44	PASS

Notes:1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2] (ANT.1(3.01dBi) and ANT. 2(4.03dBi))
3. The directional gain is 6.56dBi > 6dBi, so the power density limit shall be reduced to 8-(6.56-6) = 7.44dBm/3kHz.

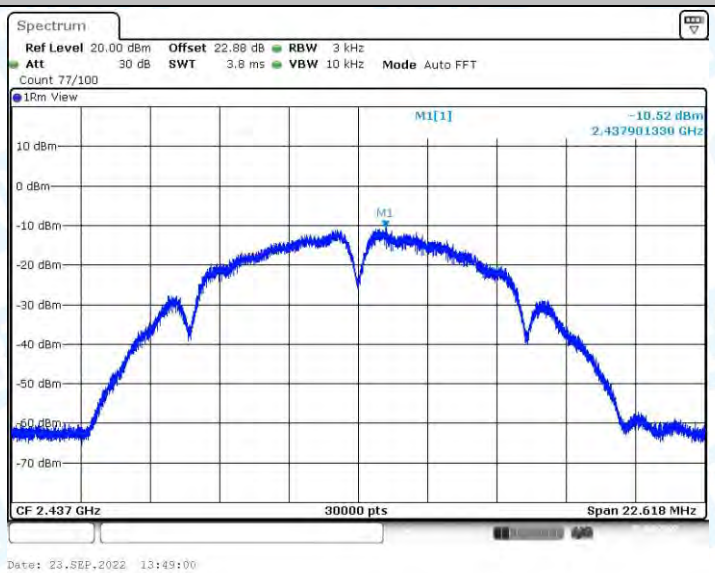
3.2.Test Graphs

11B-SISO_Ant1_2412

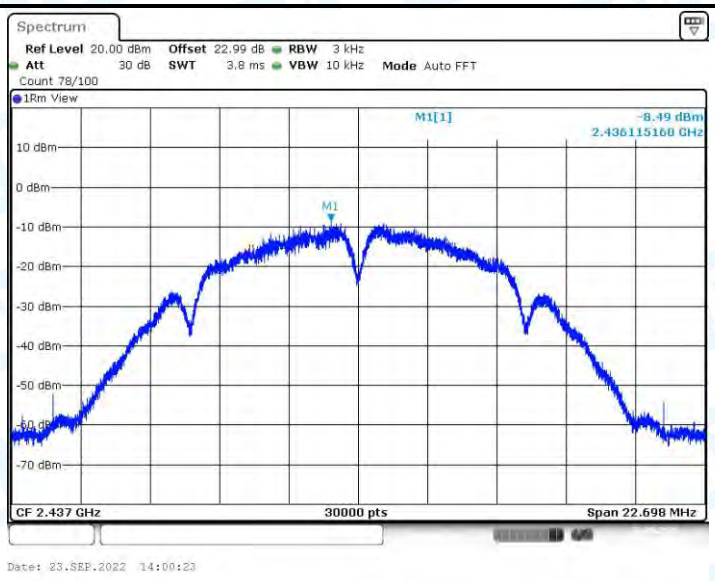
11B-SISO_Ant2_2412



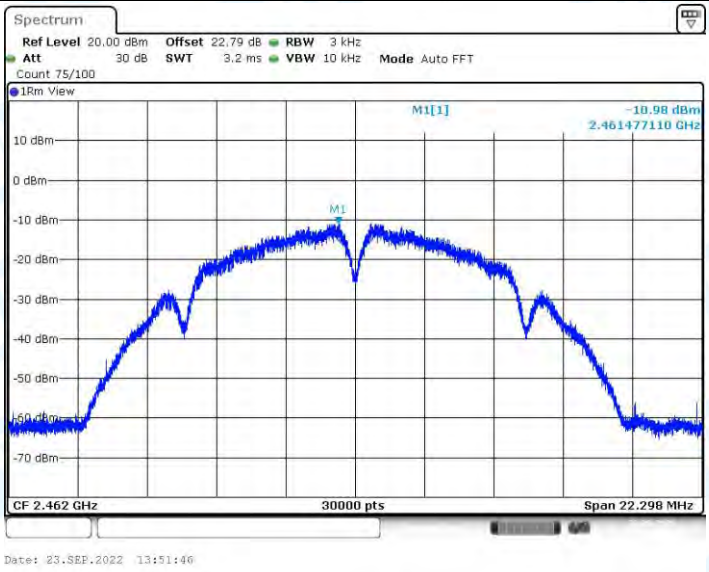
11B-SISO_Ant1_2437



11B-SISO_Ant2_2437



11B-SISO_Ant1_2462



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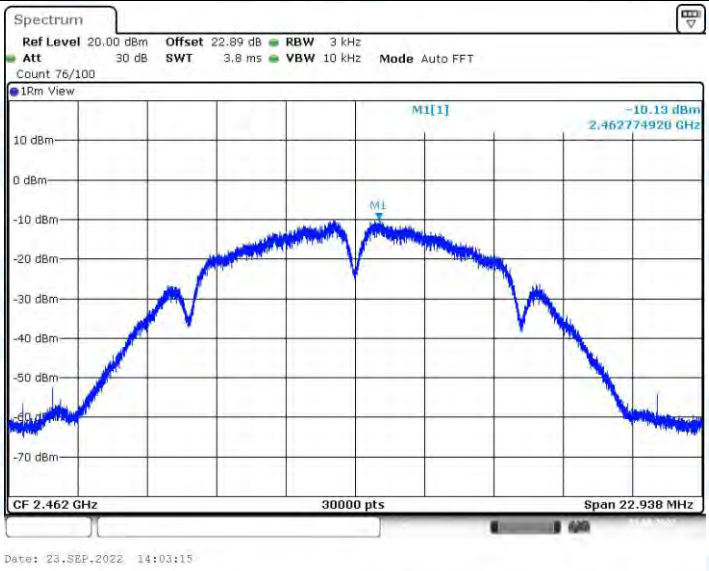

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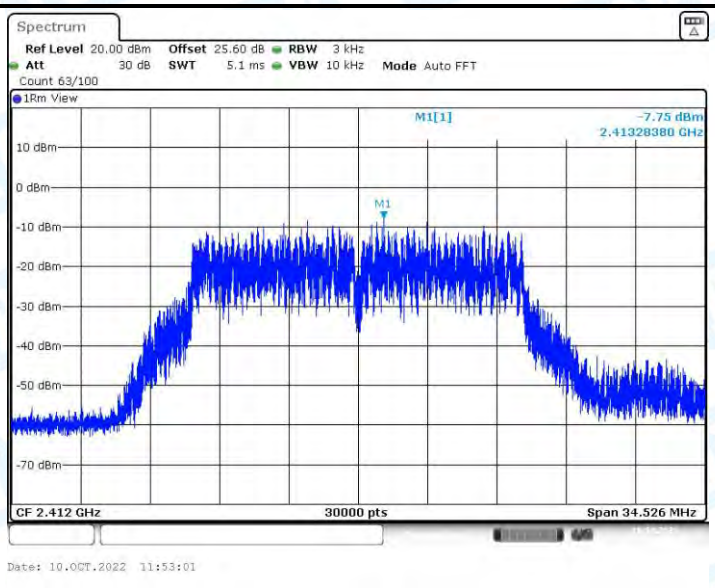

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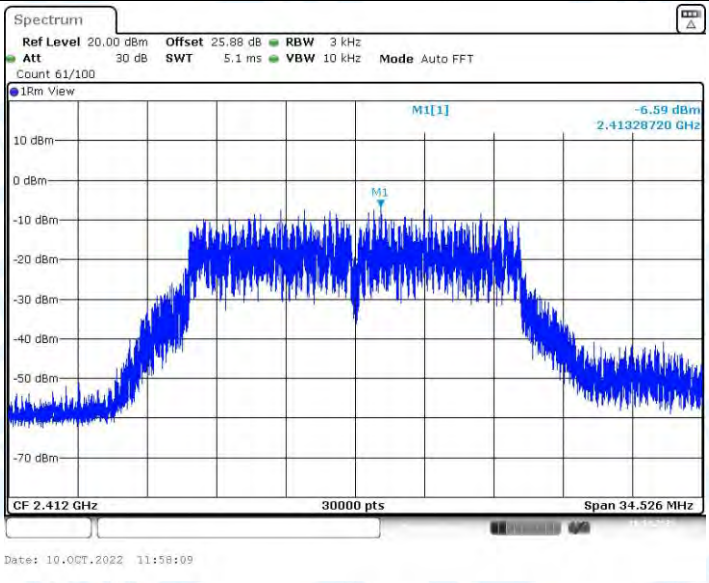

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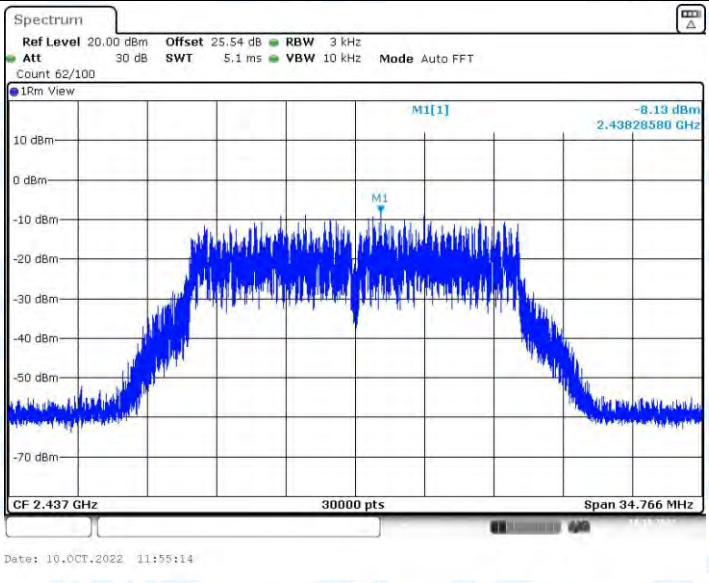

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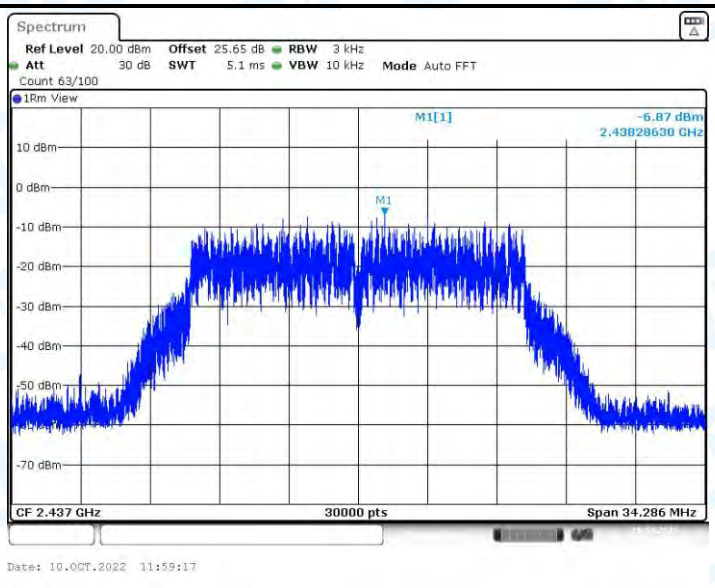

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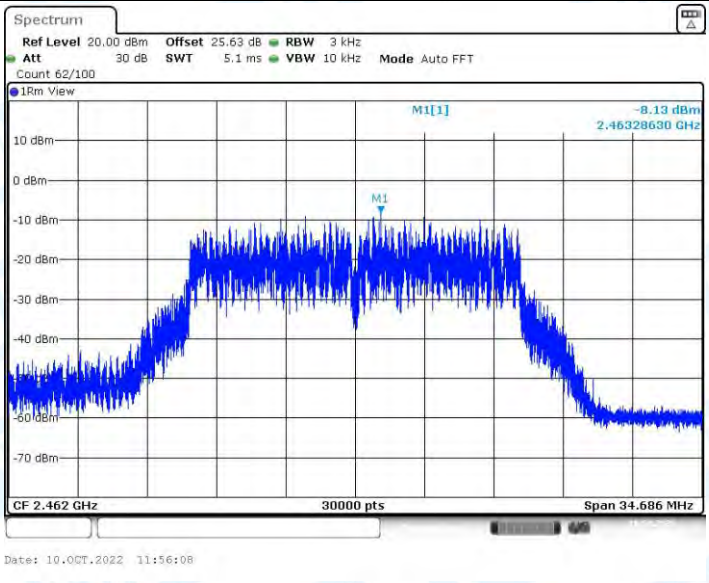

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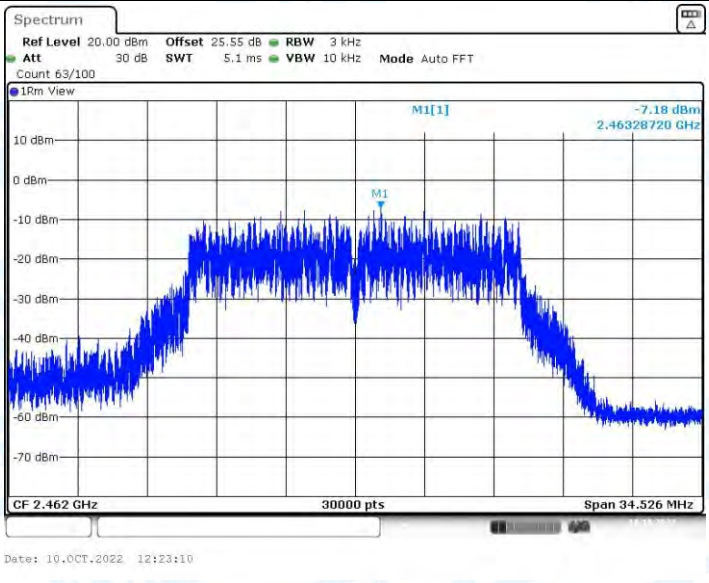
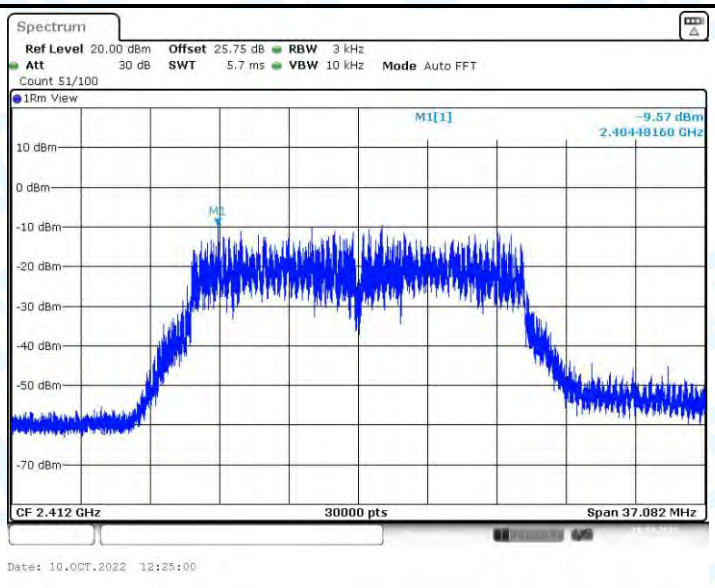
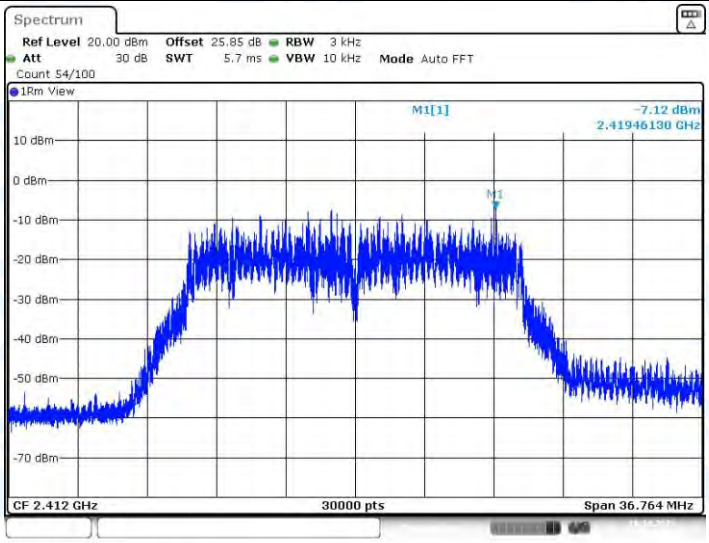


11N20SDM_Ant1_2412



11N20SDM_Ant2_2412



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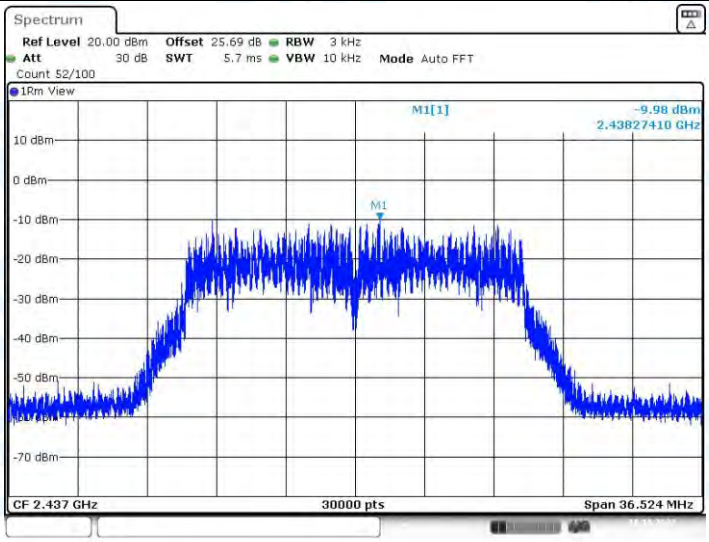

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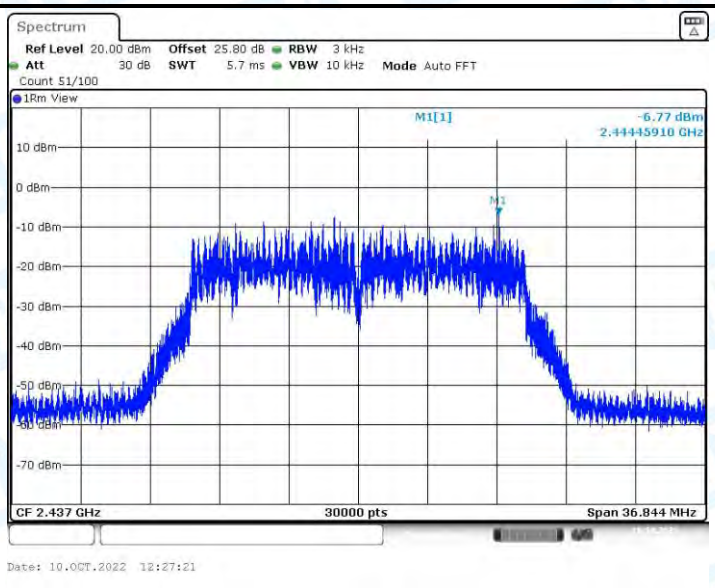

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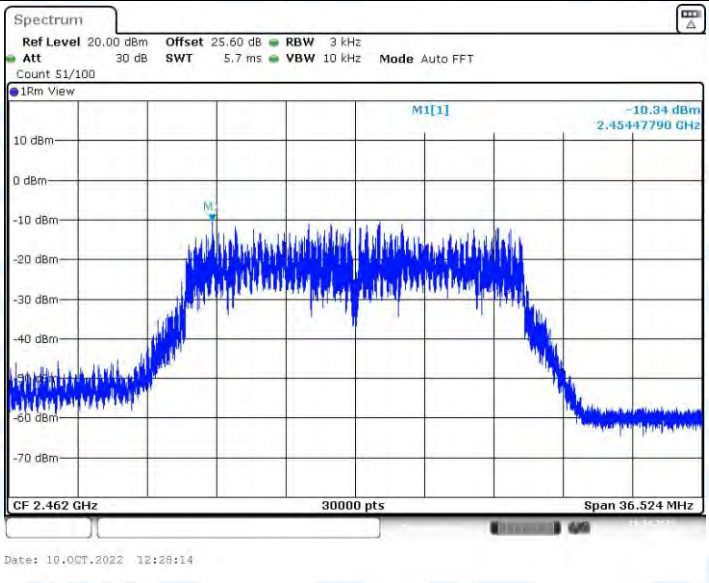

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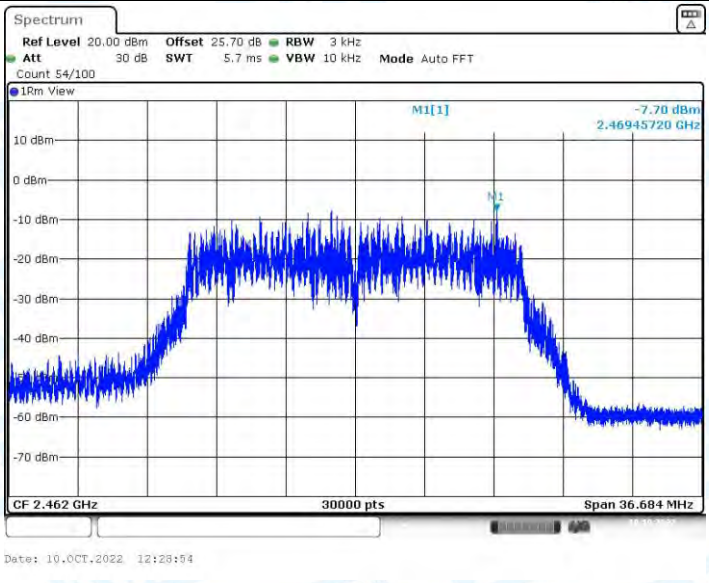

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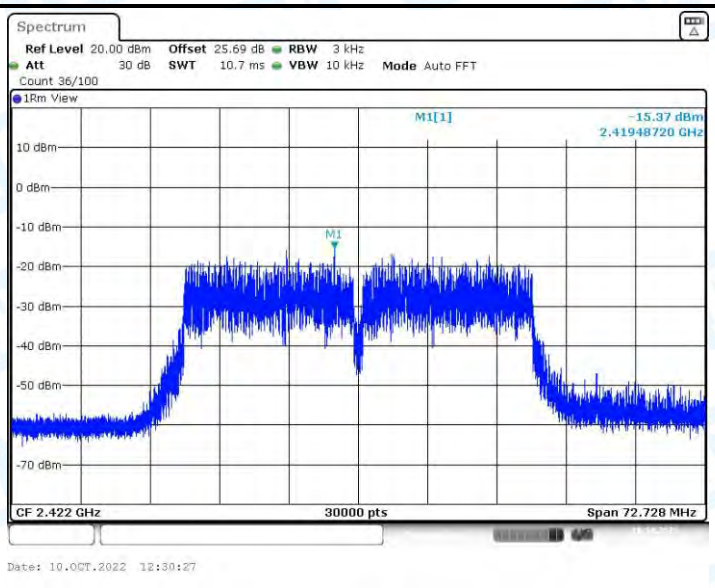
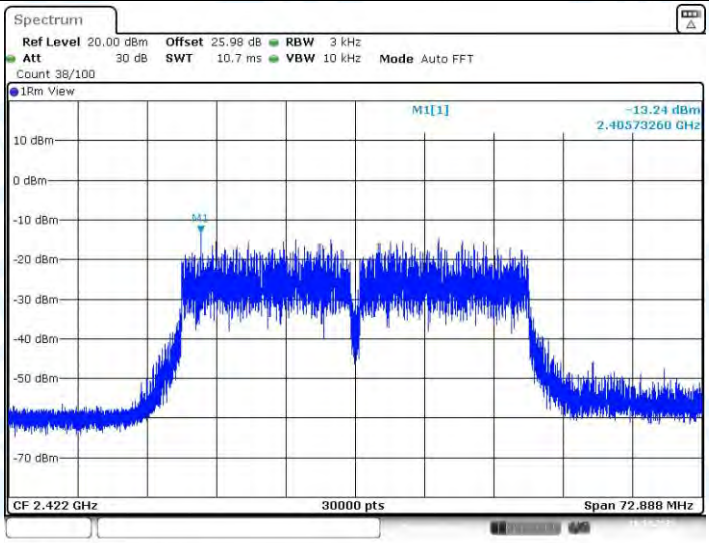


11N40SDM_Ant2_2422



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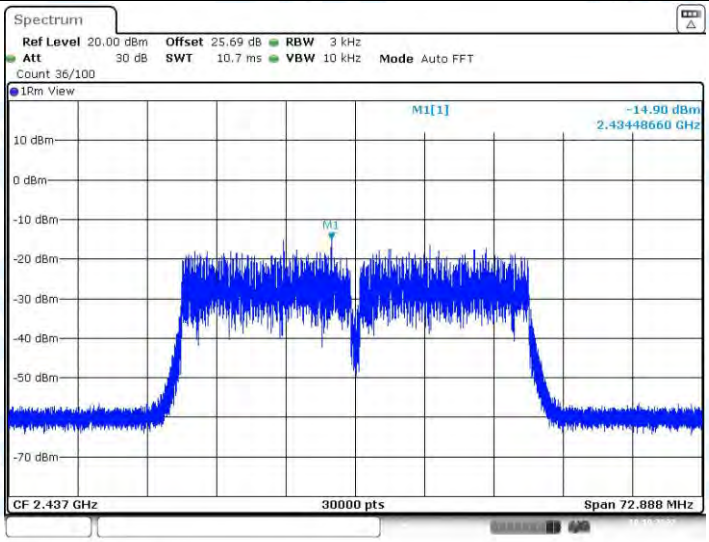

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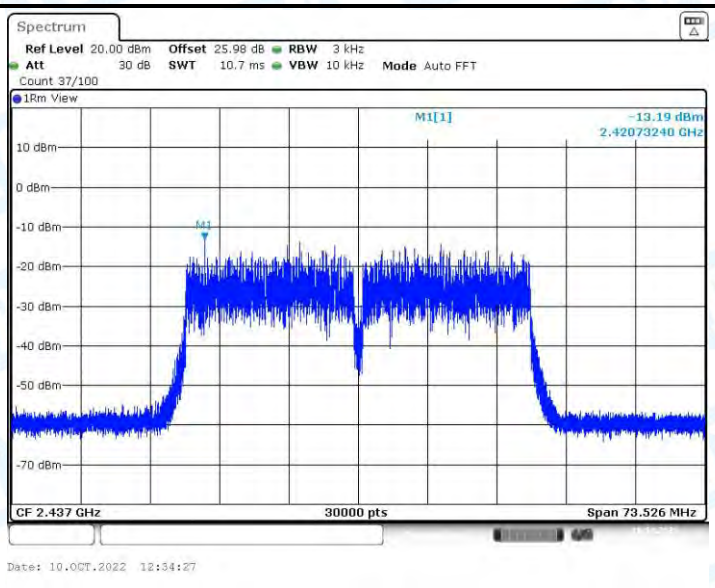

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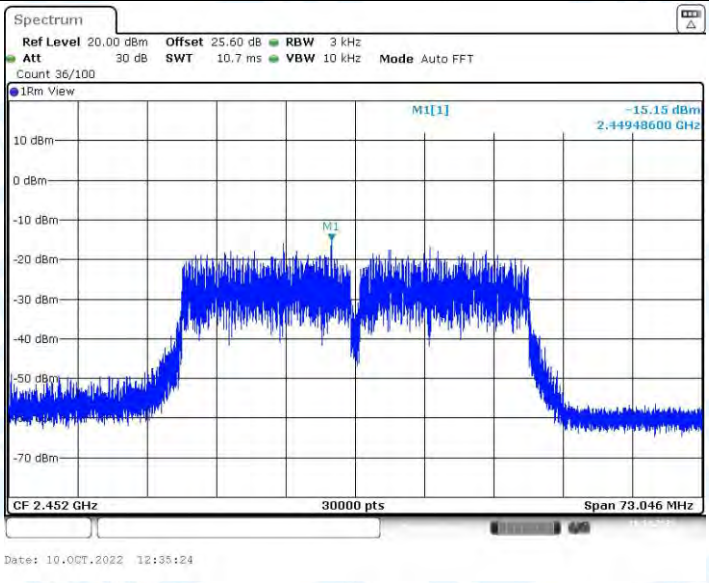

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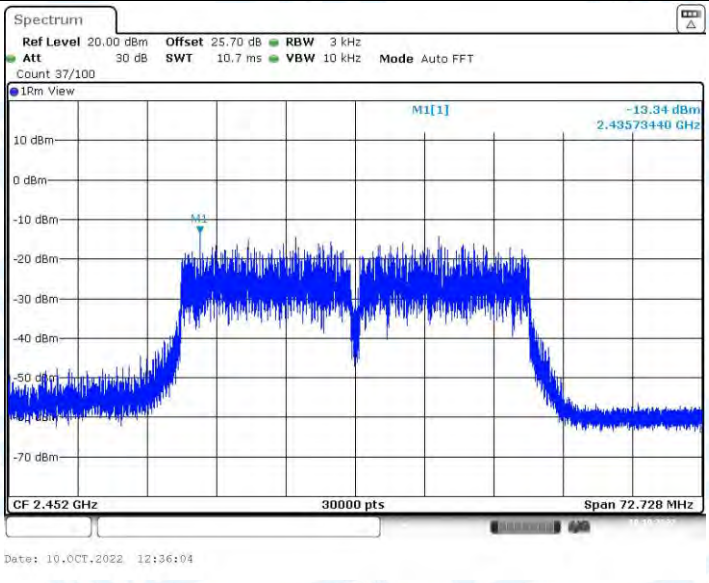

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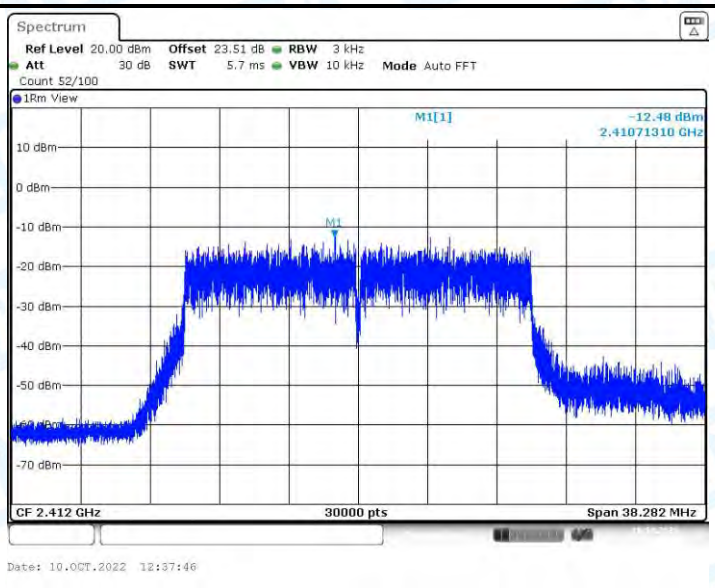

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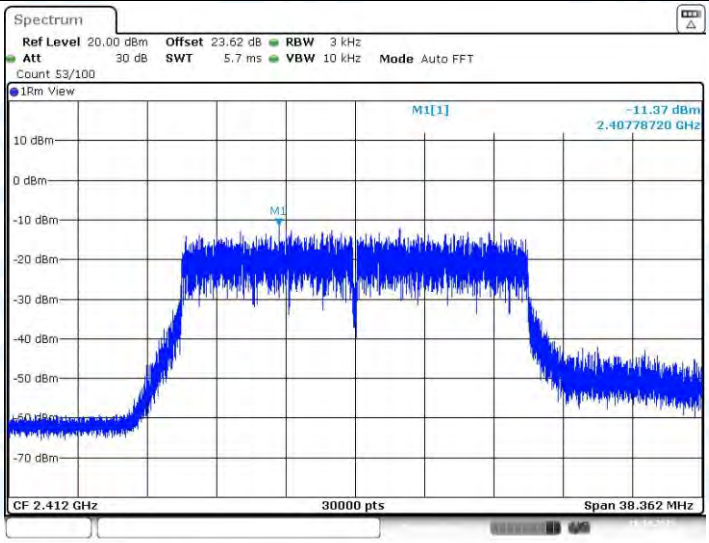

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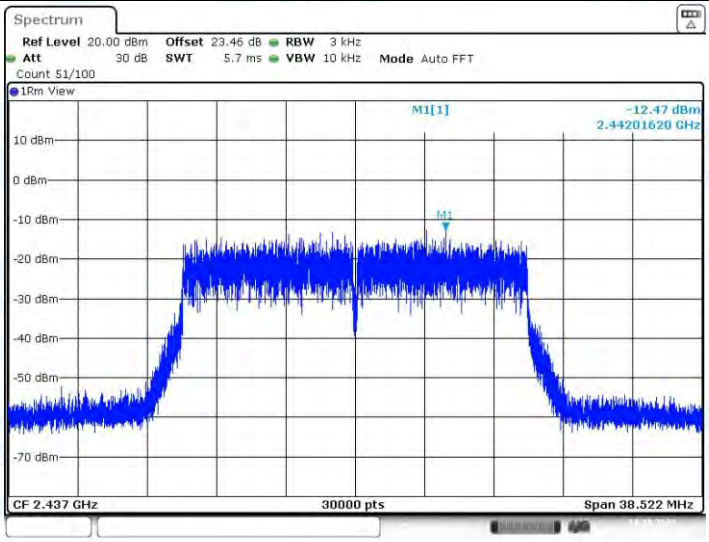

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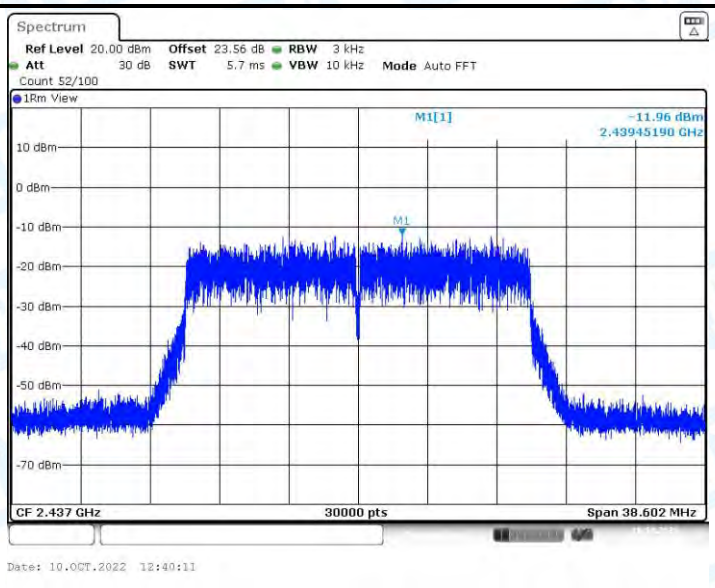

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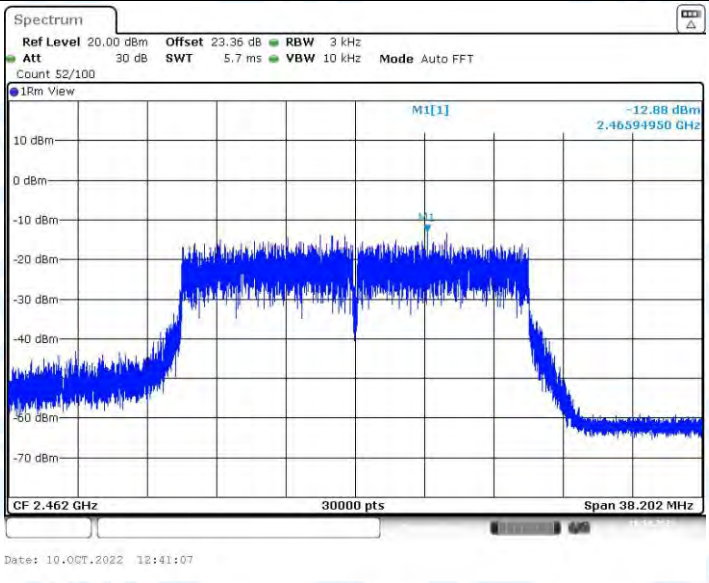

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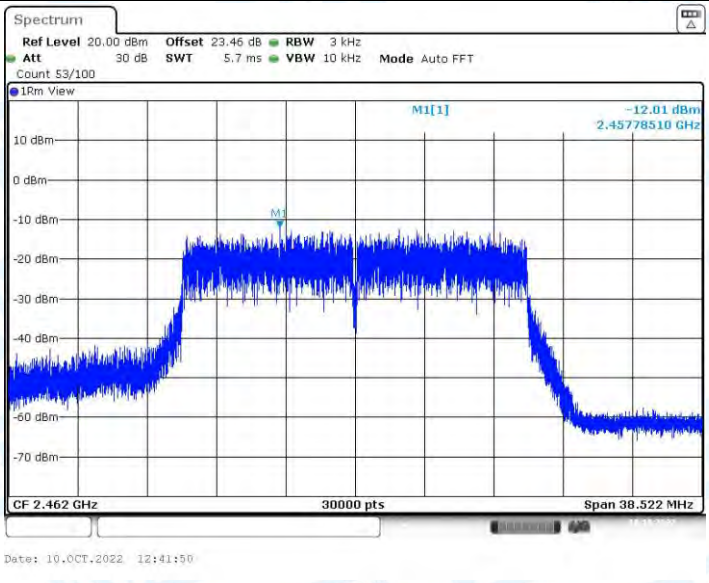

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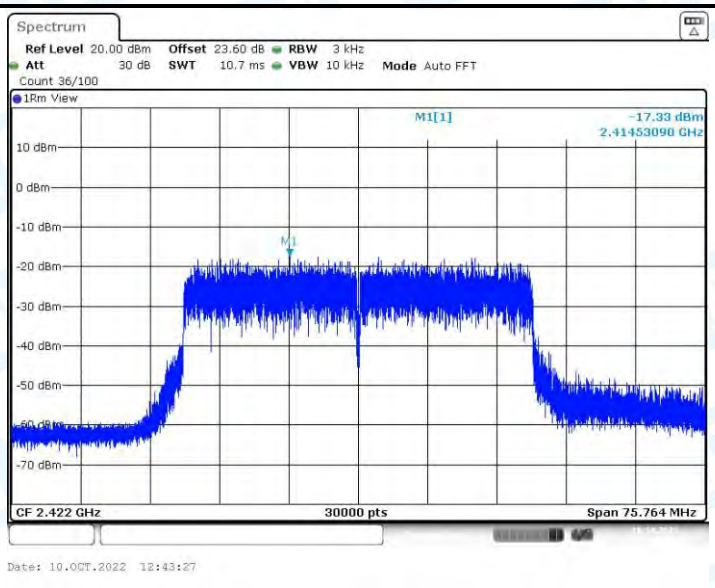

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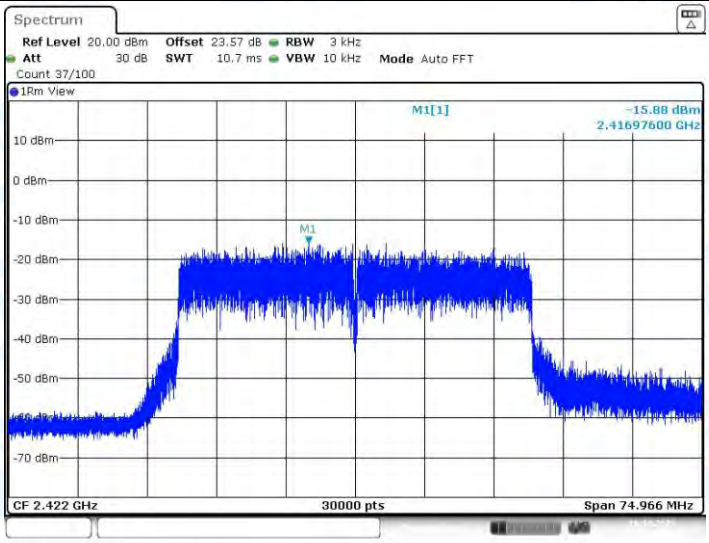

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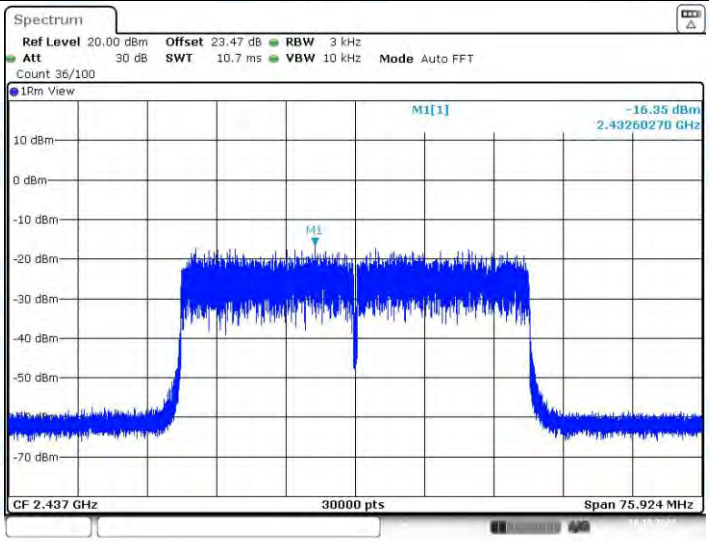

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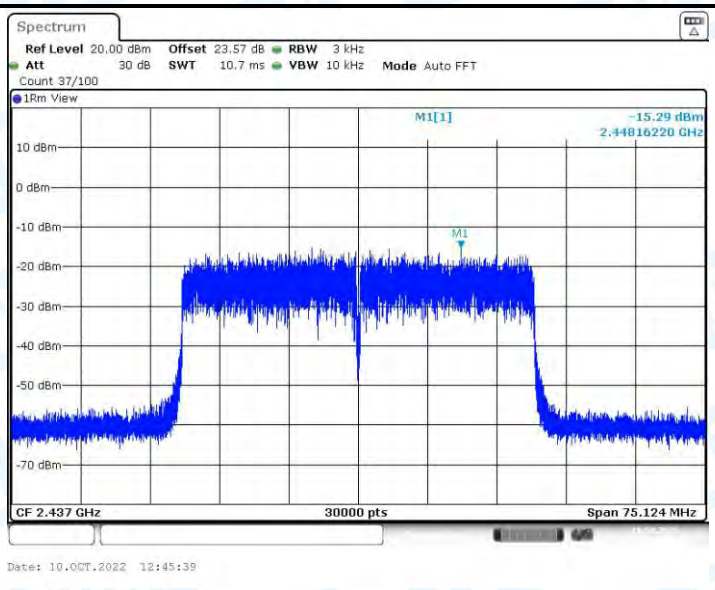

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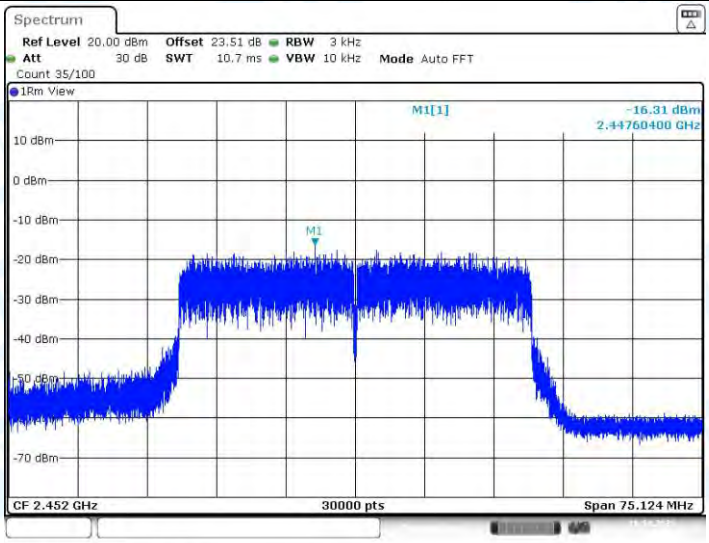

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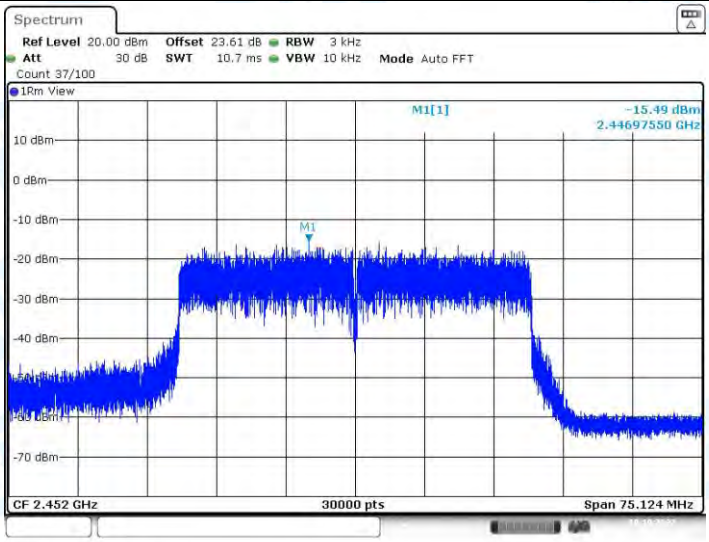
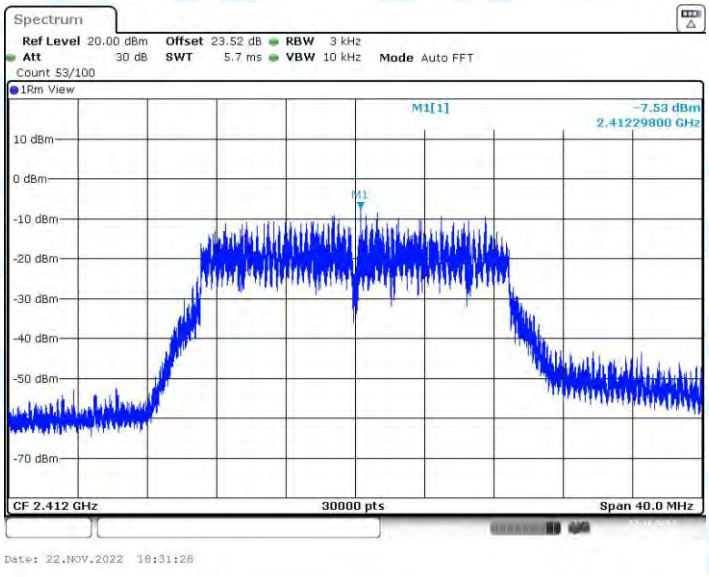


VHT20-SDM_Ant1_2412

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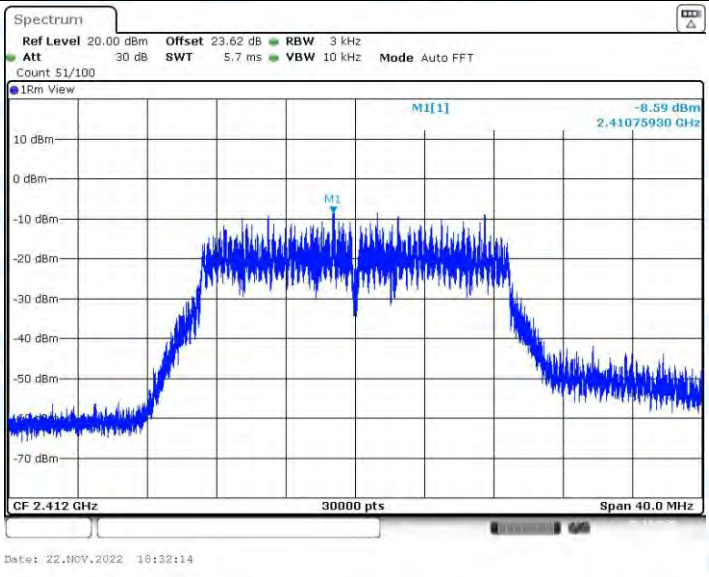
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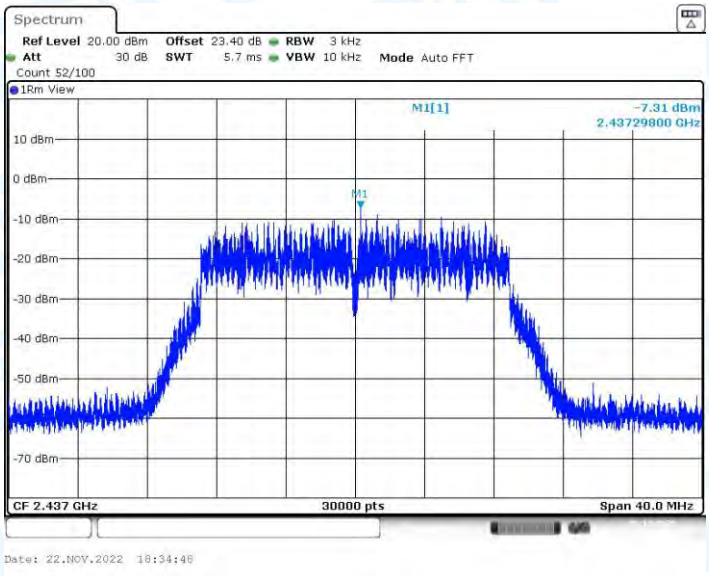
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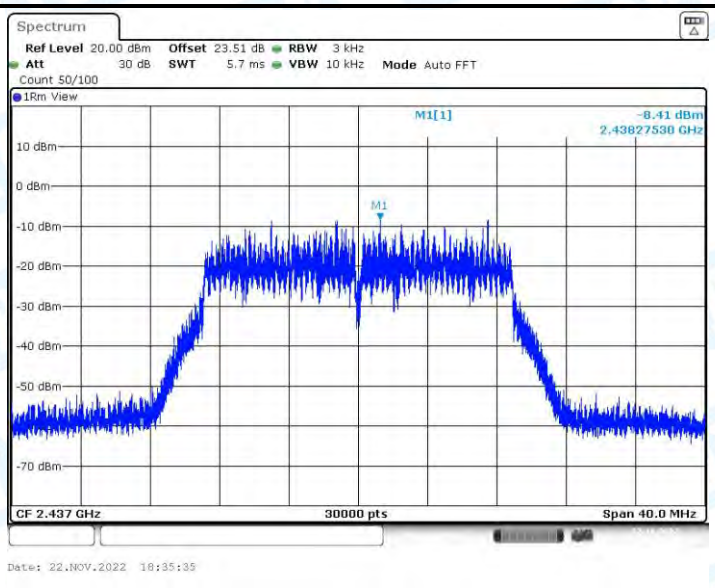

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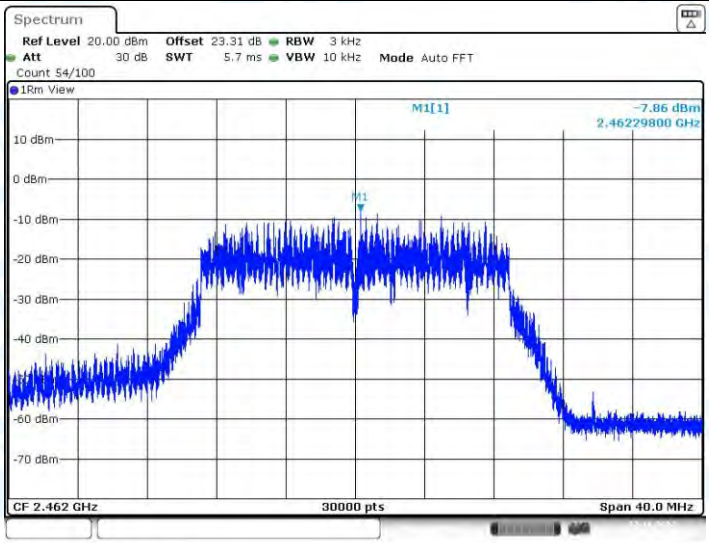

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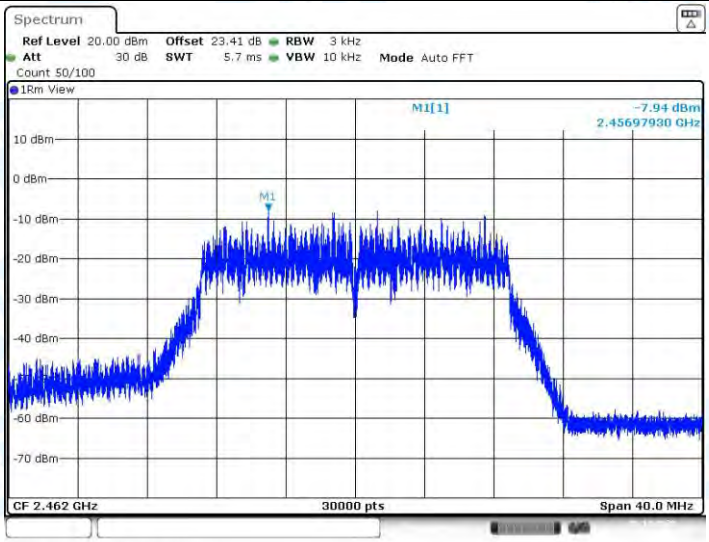

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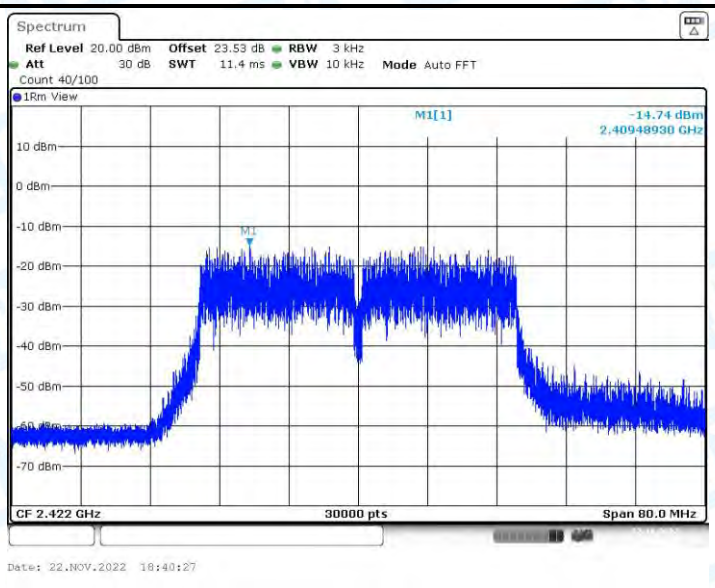

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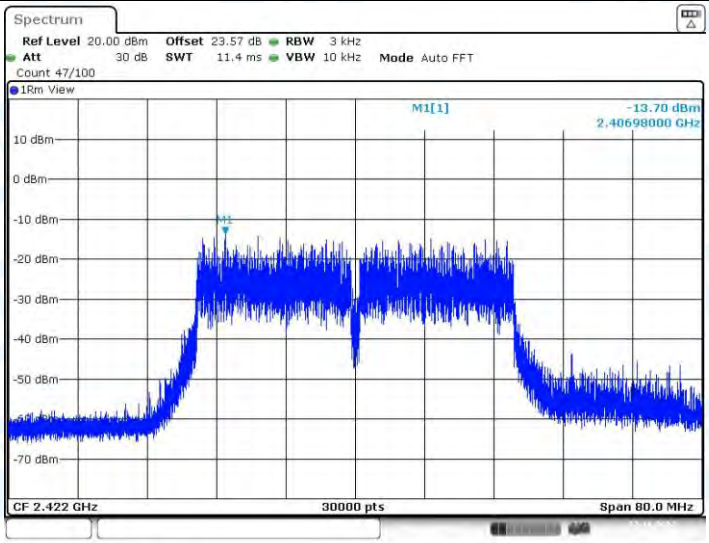

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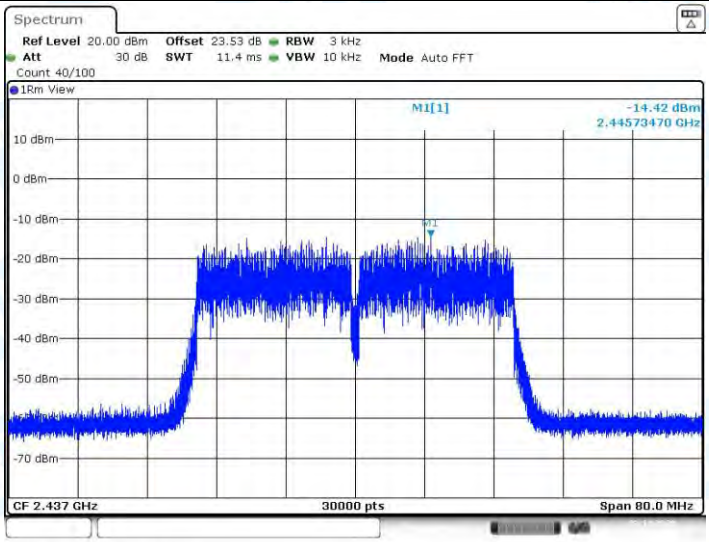

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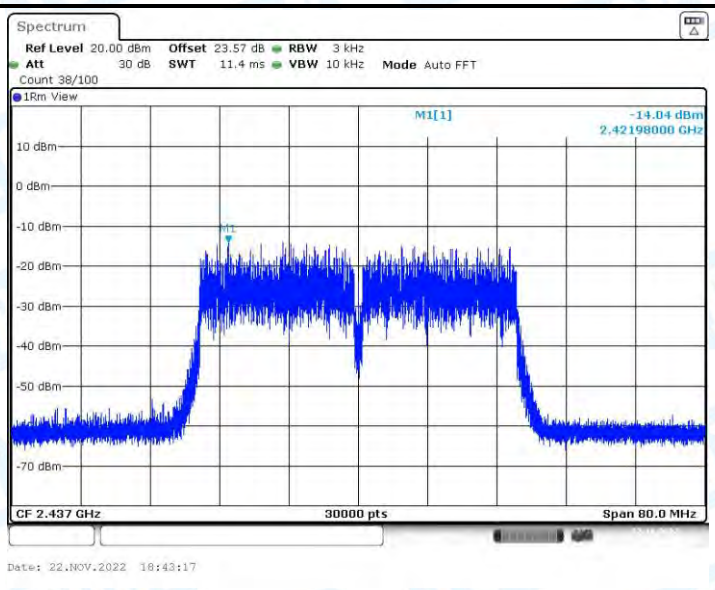
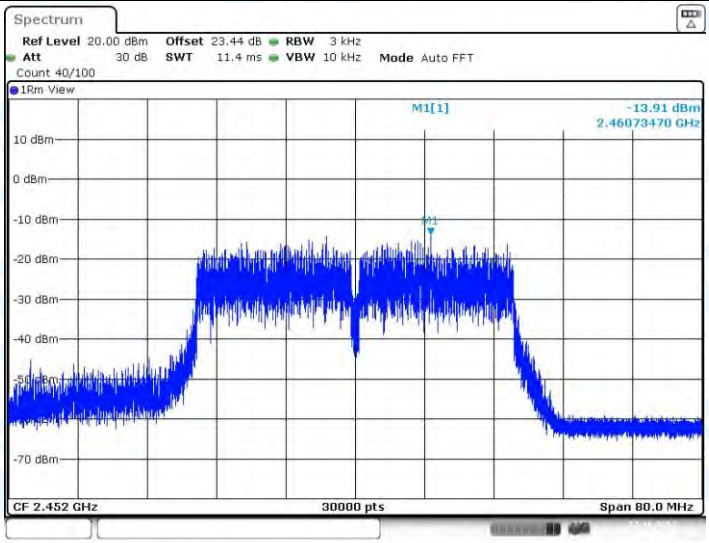


VHT40-SDM_Ant1_2452



VHT40-SDM_Ant2_2452