

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

General Description of EUT	
Product Name:	Pilot X
Test Model:	Pilot X
Sample ID:	RW-C-202209-0243-1-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 7.6V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202209-0243-61	

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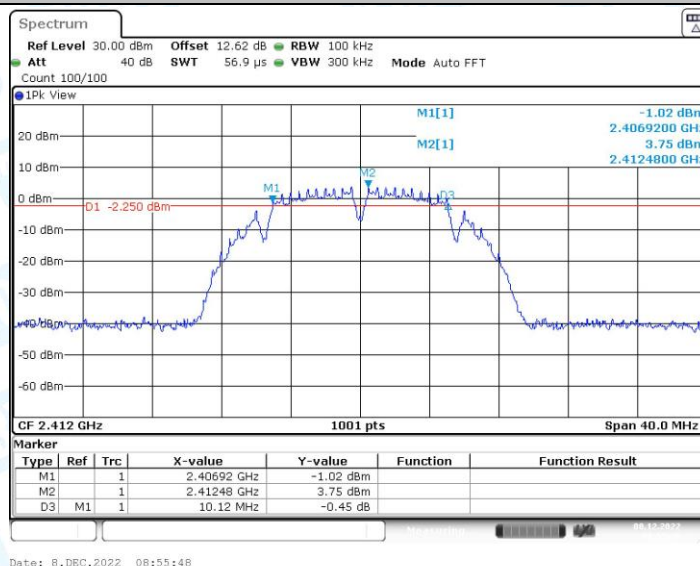
1. DTS Bandwidth

1.1. Test Result

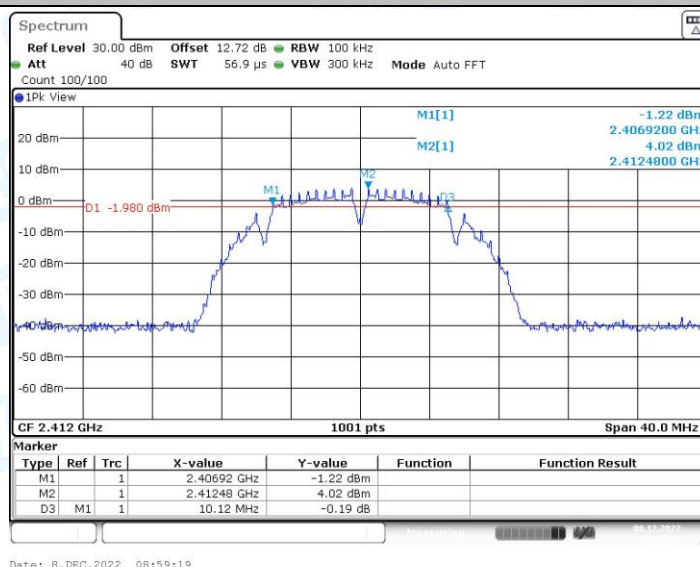
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	10.12	2406.92	2417.04	0.5	PASS
	Ant2	2412	10.12	2406.92	2417.04	0.5	PASS
	Ant1	2437	10.12	2431.92	2442.04	0.5	PASS
	Ant2	2437	10.12	2431.92	2442.04	0.5	PASS
	Ant1	2462	10.12	2456.92	2467.04	0.5	PASS
	Ant2	2462	10.12	2456.92	2467.04	0.5	PASS
11G-CDD	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
	Ant2	2412	13.84	2404.44	2418.28	0.5	PASS
	Ant1	2437	16.36	2428.80	2445.16	0.5	PASS
	Ant2	2437	16.36	2428.80	2445.16	0.5	PASS
	Ant1	2462	16.36	2453.80	2470.16	0.5	PASS
	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	17.56	2403.20	2420.76	0.5	PASS
	Ant2	2412	17.60	2403.20	2420.80	0.5	PASS
	Ant1	2437	17.16	2428.60	2445.76	0.5	PASS
	Ant2	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant1	2462	15.72	2454.40	2470.12	0.5	PASS
	Ant2	2462	17.32	2453.44	2470.76	0.5	PASS
11N40MIMO	Ant1	2422	36.40	2403.76	2440.16	0.5	PASS
	Ant2	2422	30.72	2403.84	2434.56	0.5	PASS
	Ant1	2437	36.00	2418.84	2454.84	0.5	PASS
	Ant2	2437	36.40	2418.76	2455.16	0.5	PASS
	Ant1	2452	36.32	2433.84	2470.16	0.5	PASS
	Ant2	2452	33.20	2436.96	2470.16	0.5	PASS

1.2. Test Graphs

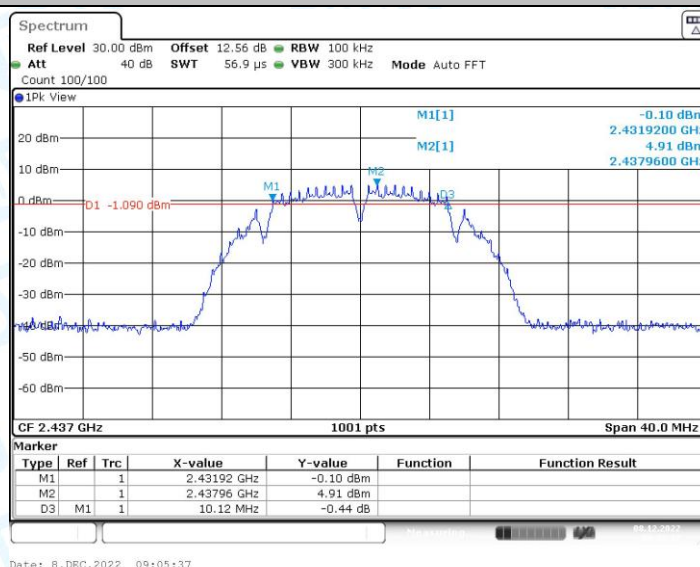
11B-CDD_Ant1_2412



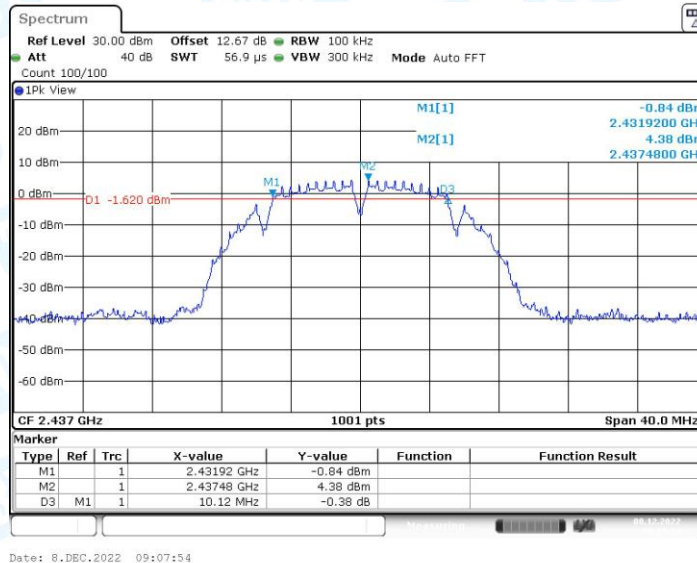
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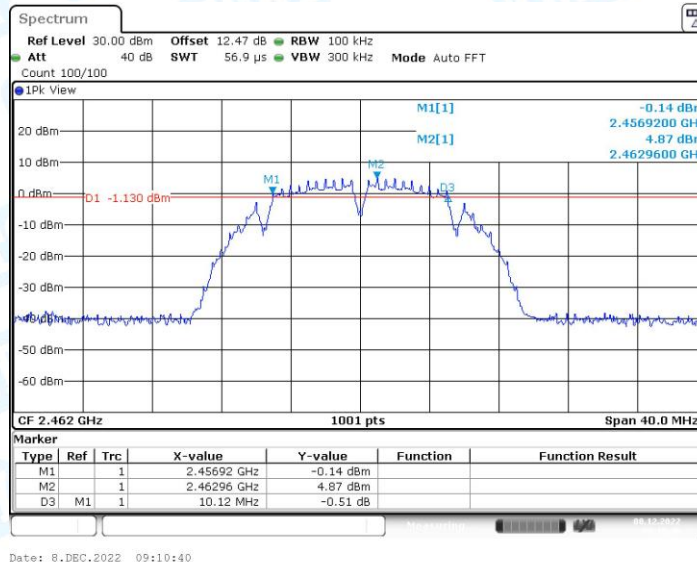
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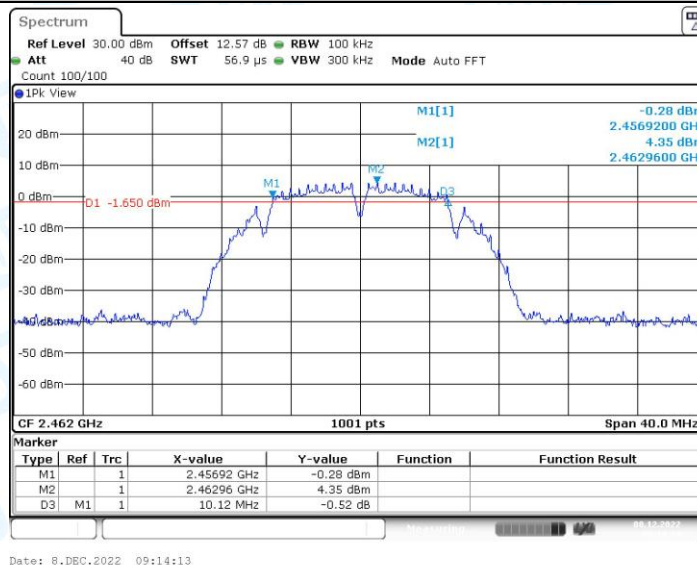
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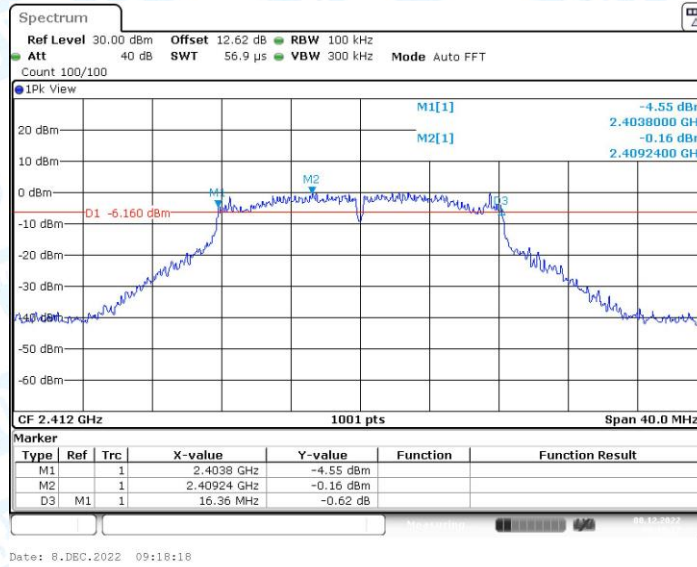
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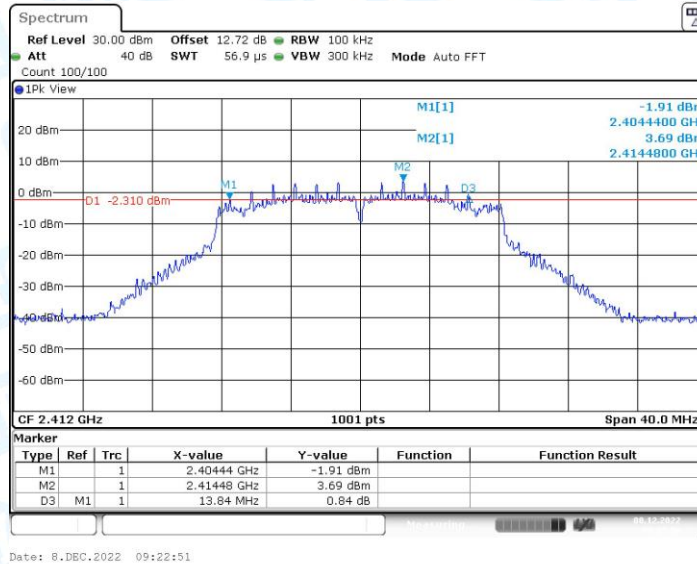
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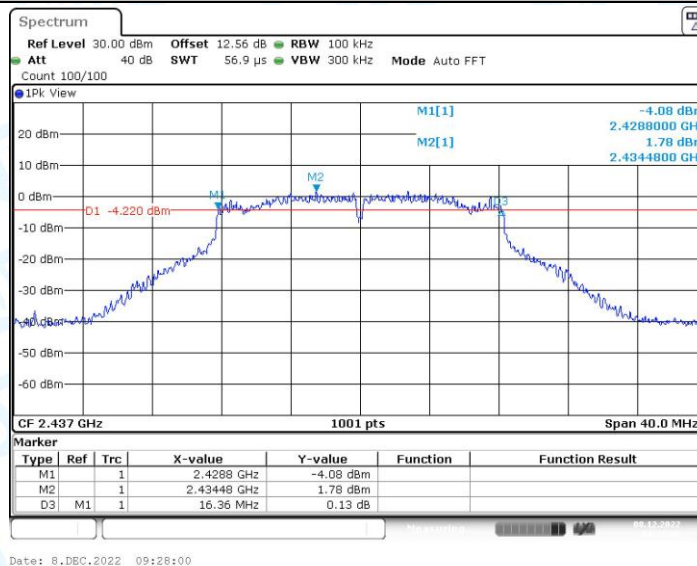
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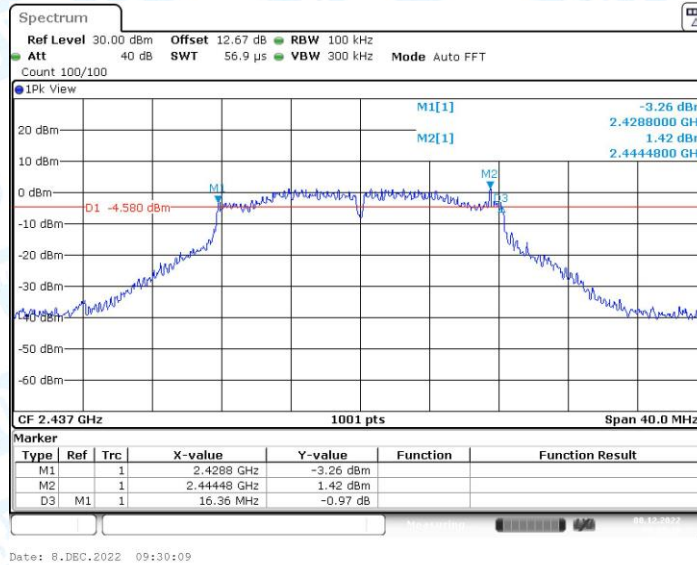
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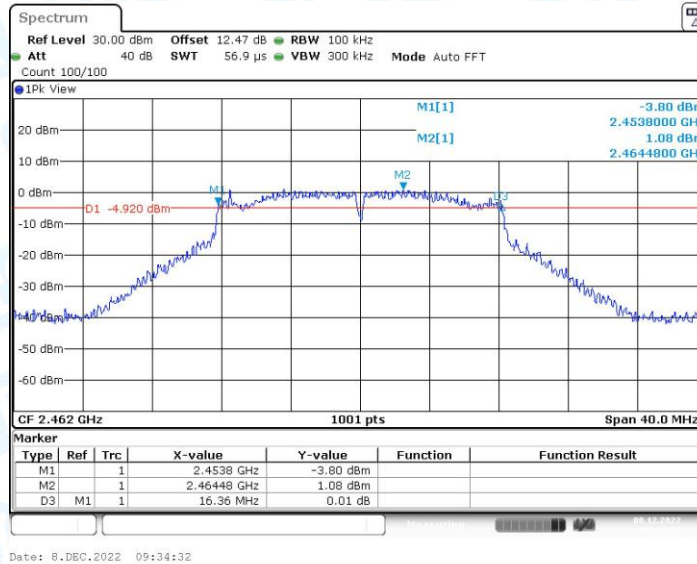
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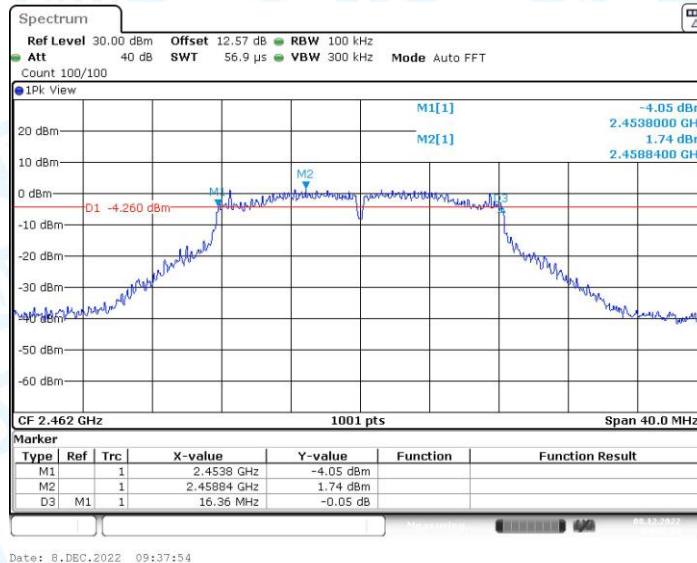
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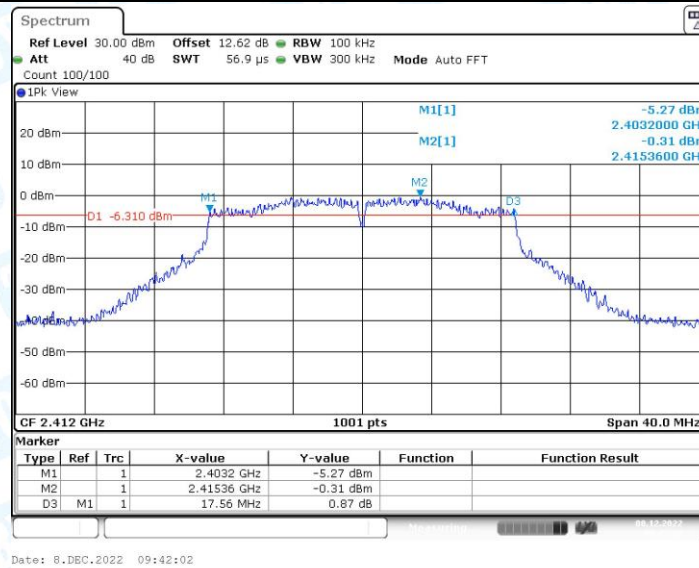
11G-CDD_Ant1_2462



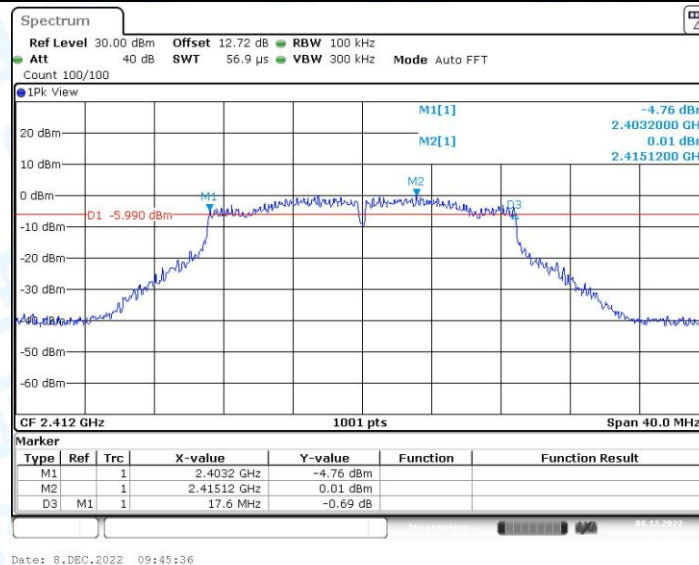
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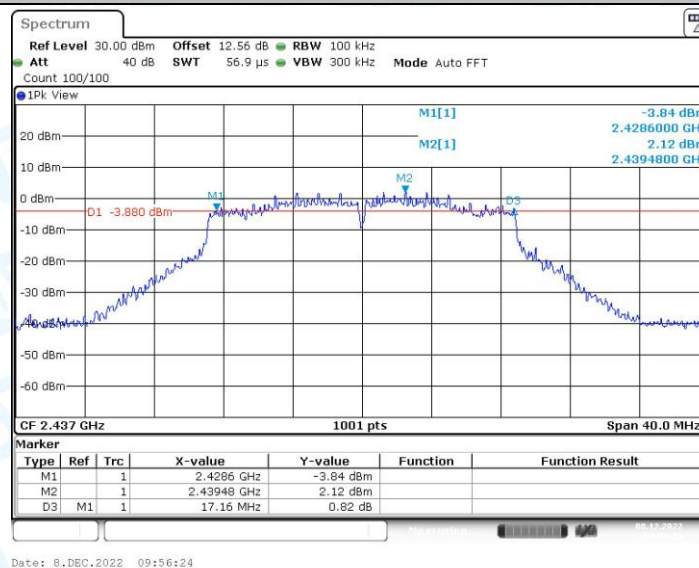
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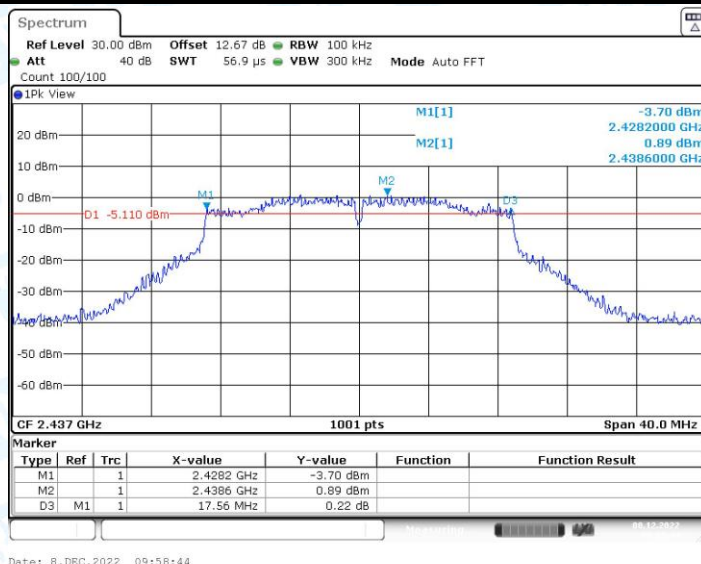
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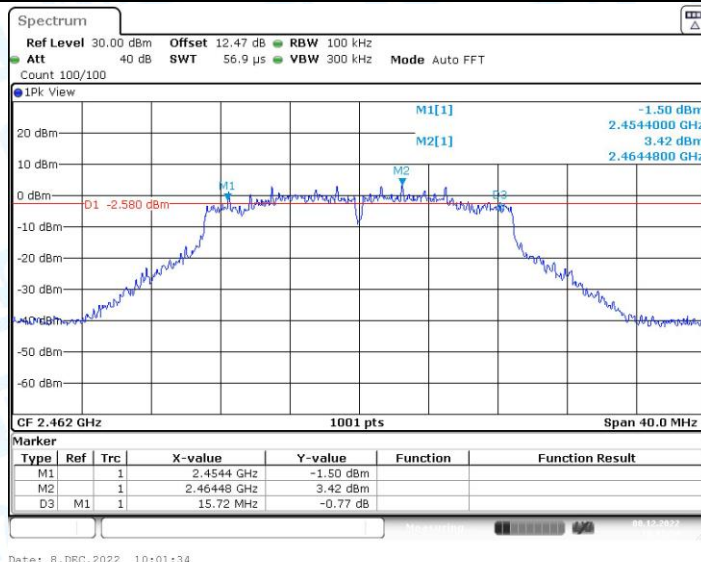
11N20MIMO_Ant1_2437



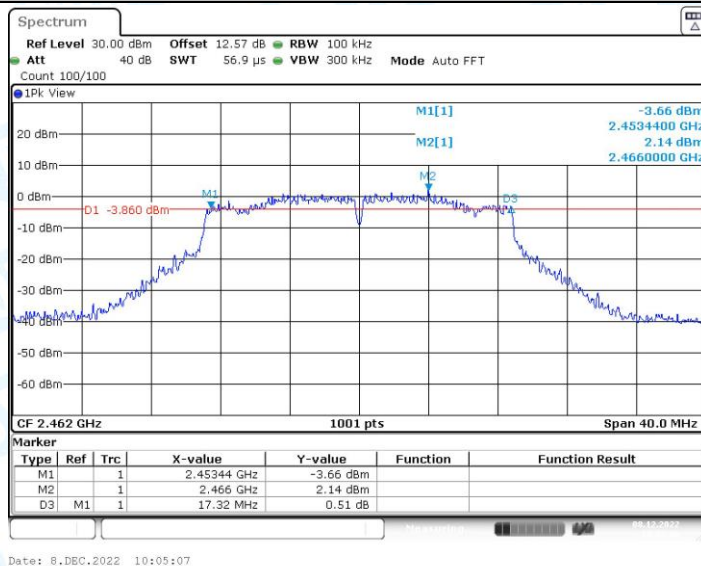
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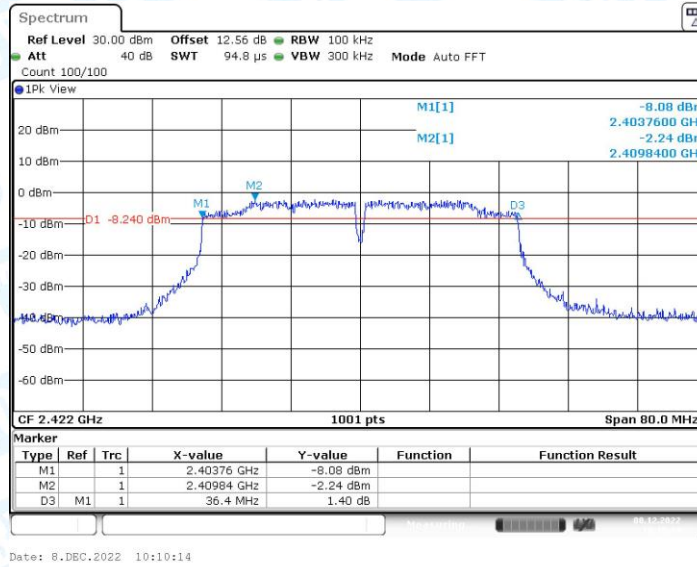
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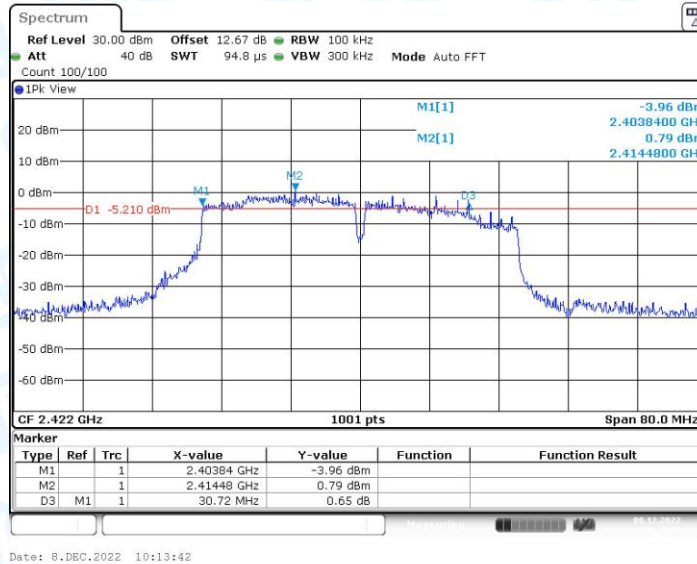
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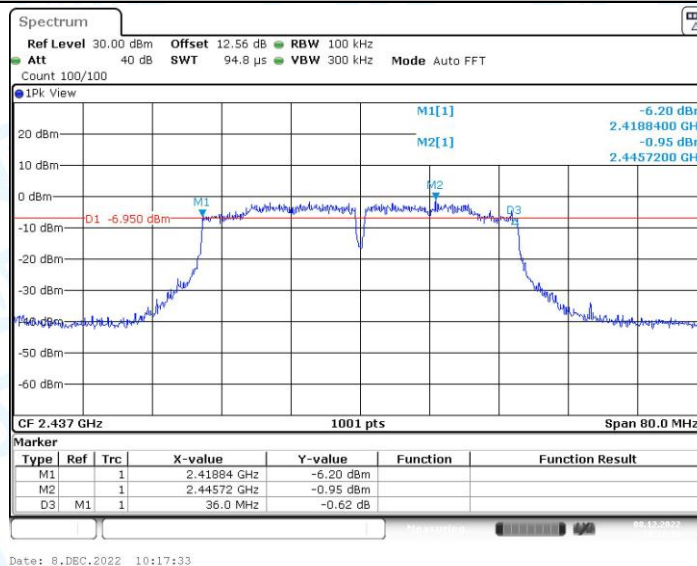
11N40MIMO_Ant1_2422



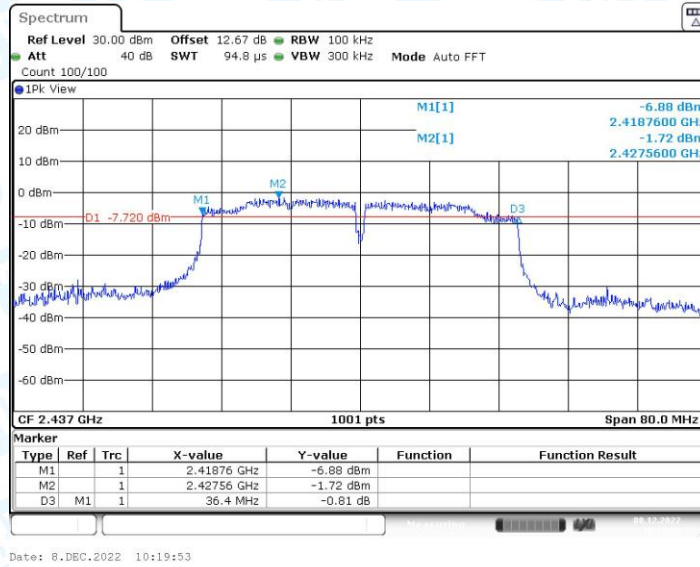
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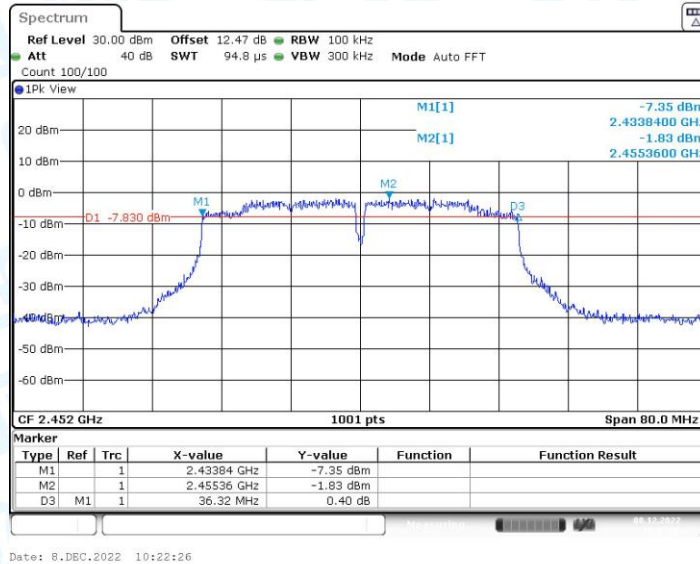
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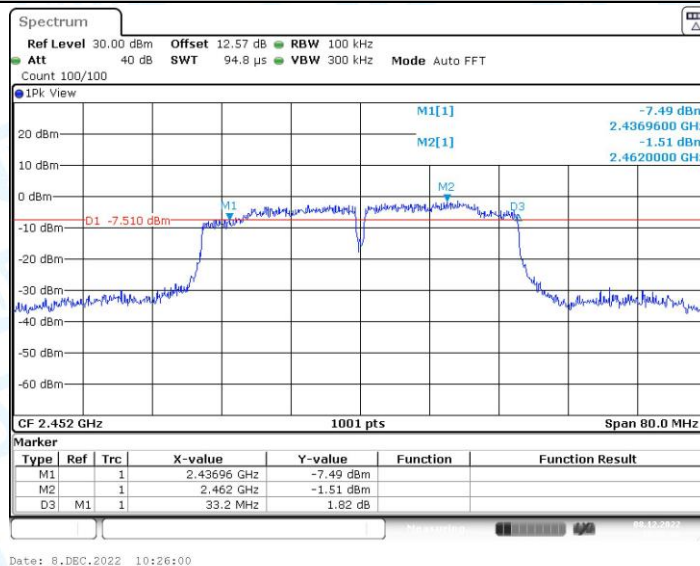
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



2. Occupied Channel Bandwidth

2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	13.506	2405.2468	2418.7532	---	---
	Ant2	2412	13.467	2405.2867	2418.7532	---	---
	Ant1	2437	13.506	2430.2468	2443.7532	---	---
	Ant2	2437	13.546	2430.2068	2443.7532	---	---
	Ant1	2462	13.467	2455.2468	2468.7133	---	---
	Ant2	2462	13.427	2455.2867	2468.7133	---	---
11G-CDD	Ant1	2412	16.903	2403.5684	2420.4715	---	---
	Ant2	2412	16.903	2403.6084	2420.5115	---	---
	Ant1	2437	17.183	2428.3686	2445.5514	---	---
	Ant2	2437	17.303	2428.3686	2445.6713	---	---
	Ant1	2462	16.983	2453.5285	2470.5115	---	---
	Ant2	2462	16.823	2453.5684	2470.3916	---	---
11N20MIMO	Ant1	2412	18.062	2402.9291	2420.9910	---	---
	Ant2	2412	18.022	2402.8891	2420.9111	---	---
	Ant1	2437	18.382	2427.8492	2446.2308	---	---
	Ant2	2437	17.982	2427.9291	2445.9111	---	---
	Ant1	2462	17.902	2453.0090	2470.9111	---	---
	Ant2	2462	18.142	2453.0090	2471.1508	---	---
11N40MIMO	Ant1	2422	35.804	2404.0180	2439.8222	---	---
	Ant2	2422	35.804	2403.2987	2439.1029	---	---
	Ant1	2437	36.124	2418.9381	2455.0619	---	---
	Ant2	2437	36.124	2418.7782	2454.9021	---	---
	Ant1	2452	36.124	2433.8581	2469.9820	---	---
	Ant2	2452	36.044	2434.0979	2470.1419	---	---

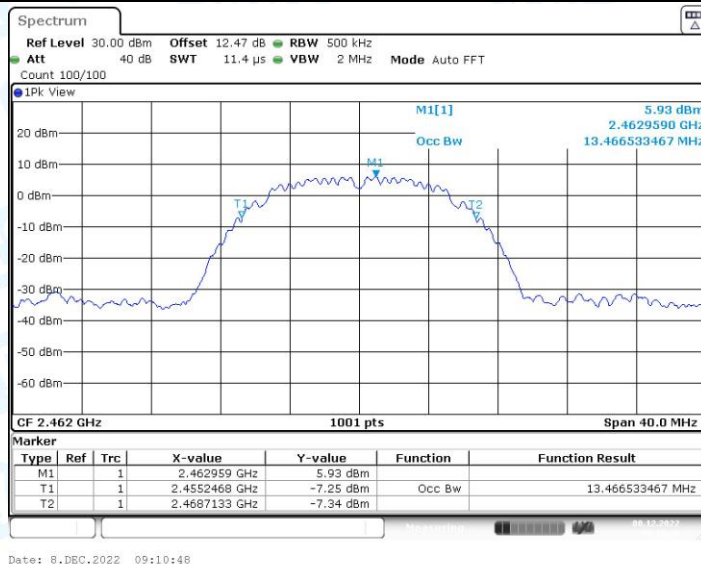
2.2. Test Graphs



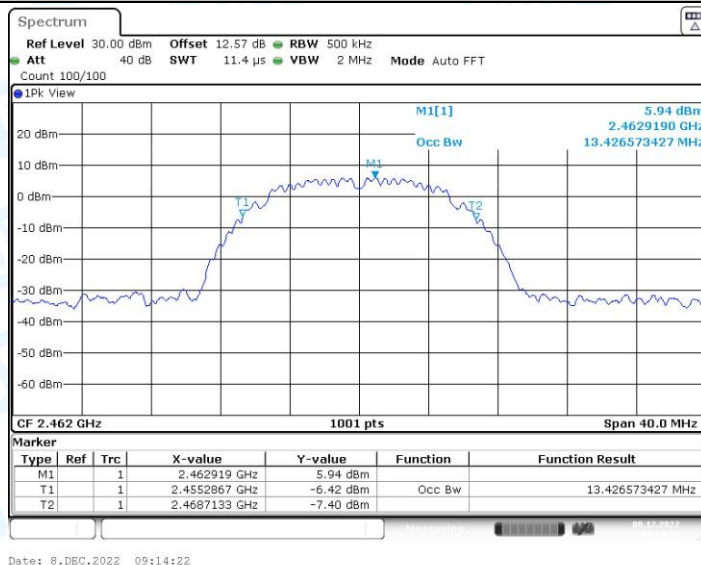
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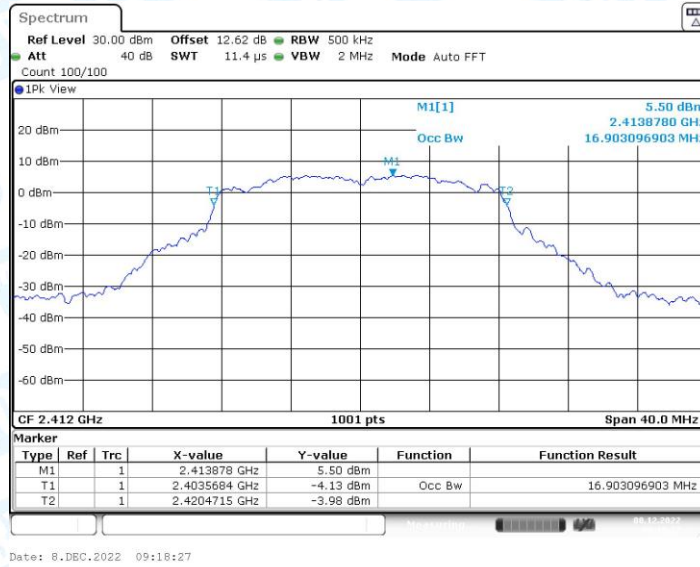
11B-CDD_Ant1_2462



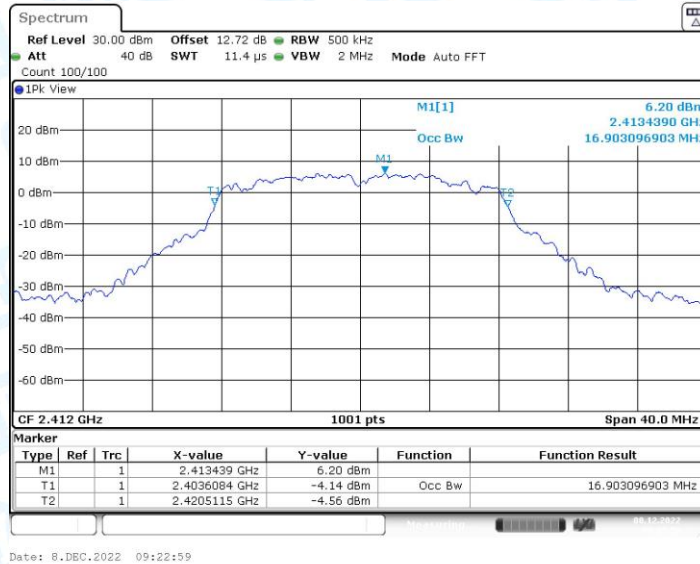
11B-CDD_Ant2_2462



11G-CDD_Ant1_2412



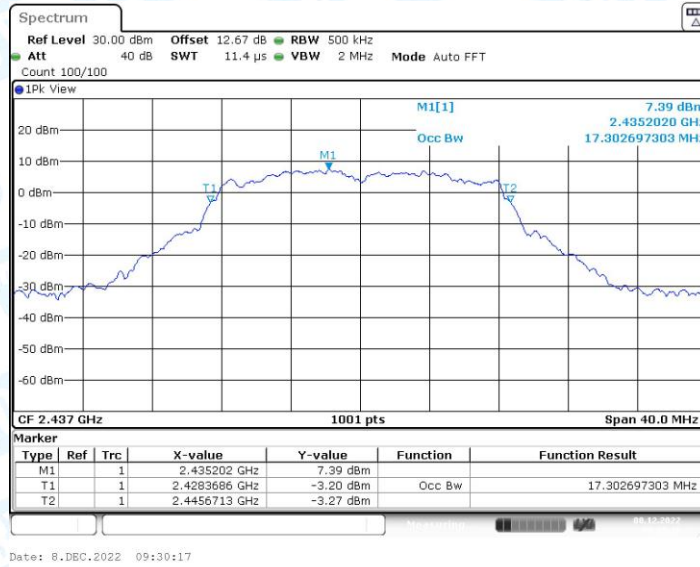
11G-CDD_Ant2_2412



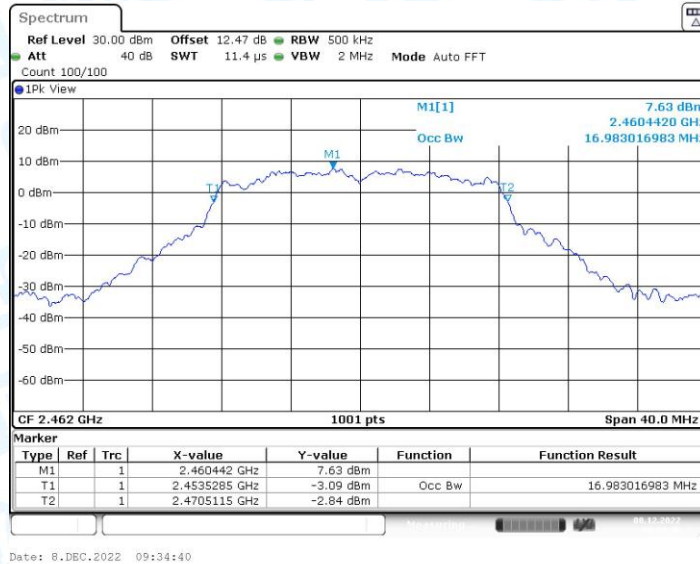
11G-CDD_Ant1_2437



11G-CDD_Ant2_2437



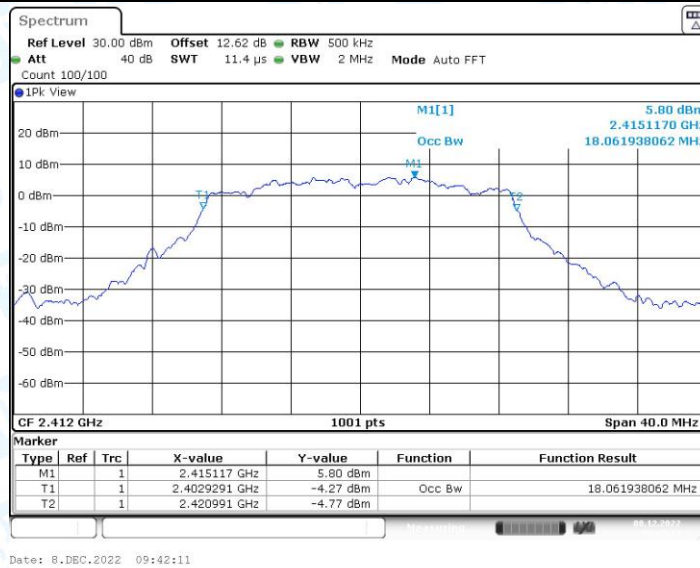
11G-CDD_Ant1_2462



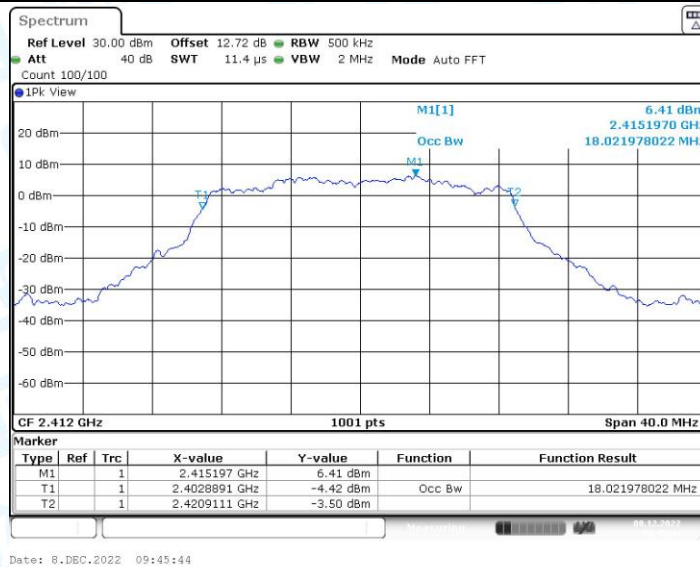
11G-CDD_Ant2_2462



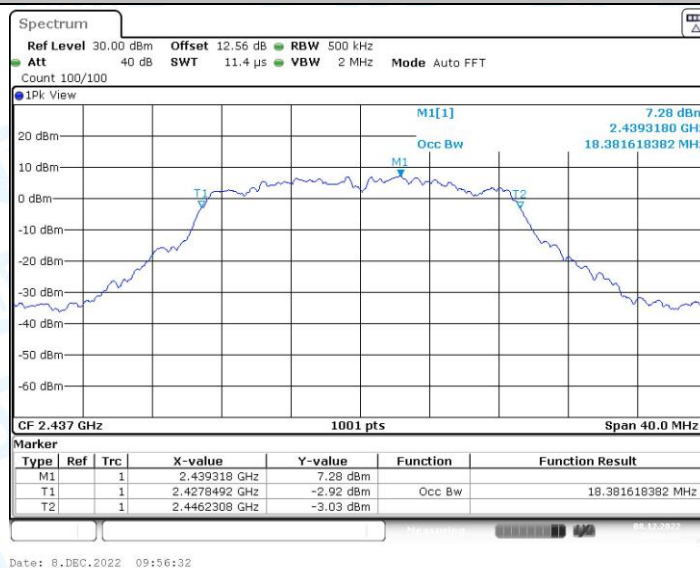
11N20MIMO_Ant1_2412



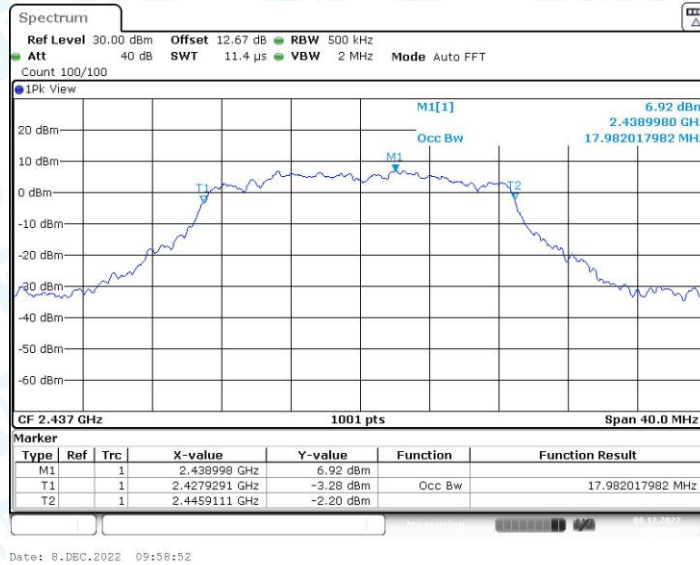
11N20MIMO_Ant2_2412



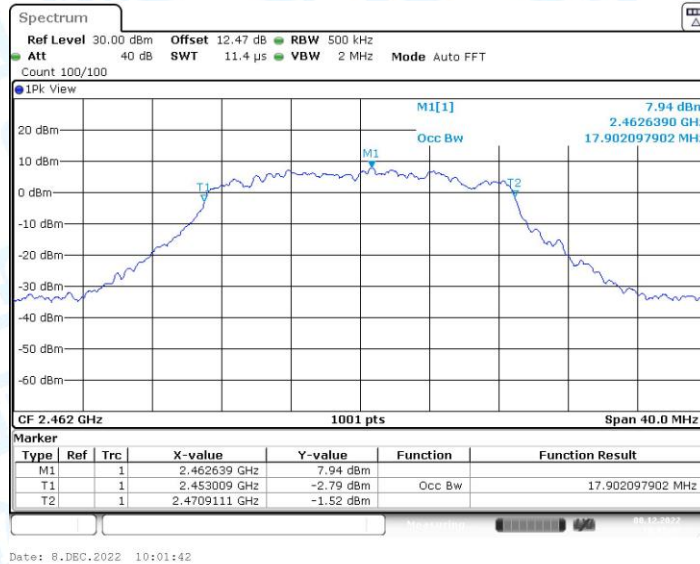
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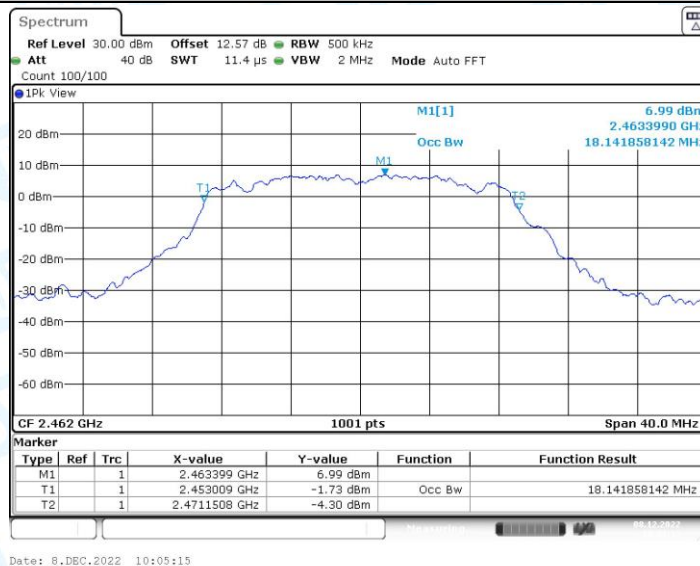
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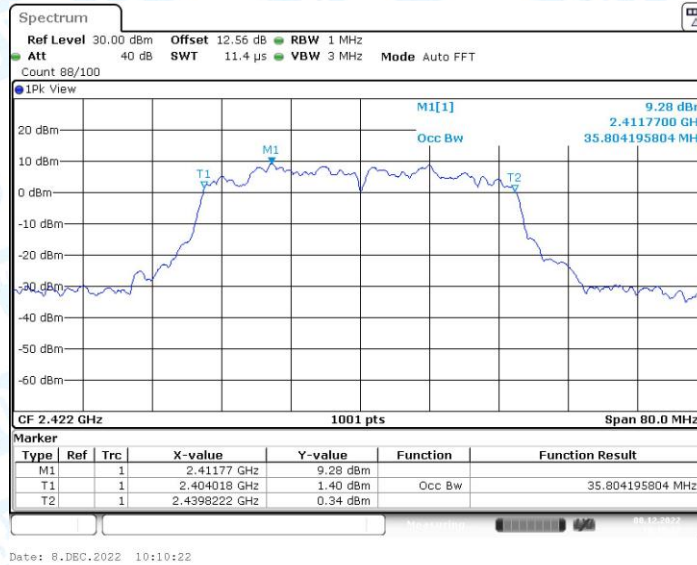
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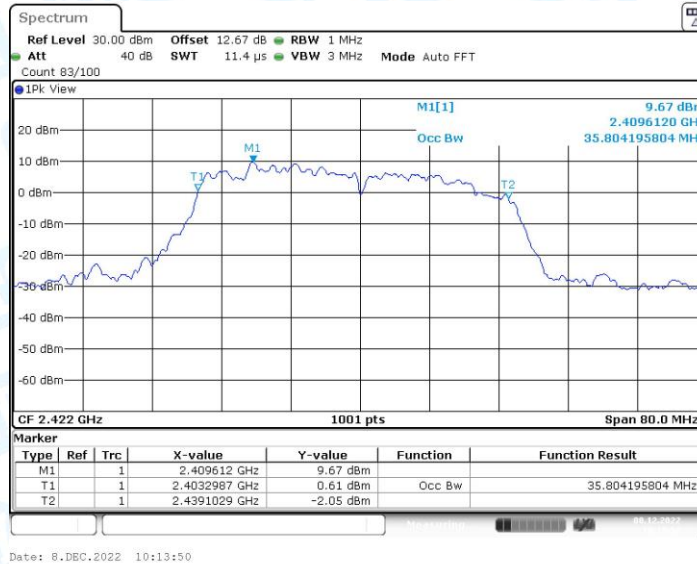
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11N40MIMO_Ant1_2422



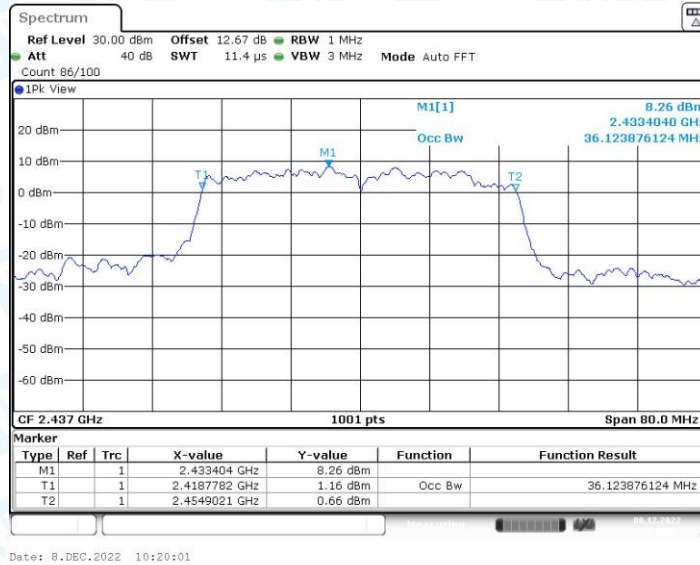
11N40MIMO_Ant2_2422



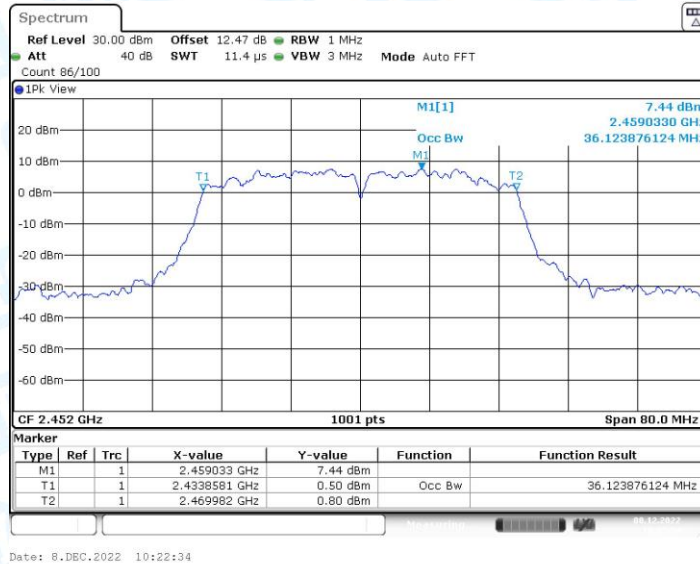
11N40MIMO_Ant1_2437



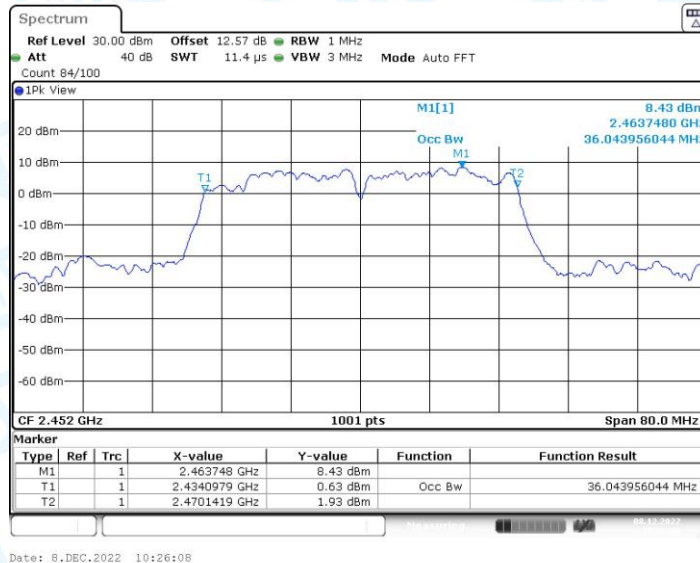
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



3. Maximum conducted output power

3.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	4.67	≤30.00	PASS
	Ant2	2412	3.82	≤30.00	PASS
	total	2412	7.28	≤29.99	PASS
	Ant1	2437	4.96	≤30.00	PASS
	Ant2	2437	4.03	≤30.00	PASS
	total	2437	7.53	≤29.99	PASS
	Ant1	2462	4.60	≤30.00	PASS
	Ant2	2462	3.98	≤30.00	PASS
	total	2462	7.31	≤29.99	PASS
11G-CDD	Ant1	2412	4.22	≤30.00	PASS
	Ant2	2412	3.71	≤30.00	PASS
	total	2412	6.98	≤29.99	PASS
	Ant1	2437	4.34	≤30.00	PASS
	Ant2	2437	3.59	≤30.00	PASS
	total	2437	6.99	≤29.99	PASS
	Ant1	2462	4.24	≤30.00	PASS
	Ant2	2462	3.54	≤30.00	PASS
	total	2462	6.91	≤29.99	PASS
11N20MIMO	Ant1	2412	4.16	≤30.00	PASS
	Ant2	2412	3.62	≤30.00	PASS
	total	2412	6.91	≤29.99	PASS
	Ant1	2437	4.16	≤30.00	PASS
	Ant2	2437	3.44	≤30.00	PASS
	total	2437	6.83	≤29.99	PASS
	Ant1	2462	4.02	≤30.00	PASS
	Ant2	2462	3.63	≤30.00	PASS
	total	2462	6.84	≤29.99	PASS
11N40MIMO	Ant1	2422	5.13	≤30.00	PASS
	Ant2	2422	4.23	≤30.00	PASS
	total	2422	7.71	≤29.99	PASS
	Ant1	2437	4.98	≤30.00	PASS
	Ant2	2437	4.29	≤30.00	PASS
	total	2437	7.66	≤29.99	PASS
	Ant1	2452	4.99	≤30.00	PASS
	Ant2	2452	4.18	≤30.00	PASS
	total	2452	7.61	≤29.99	PASS

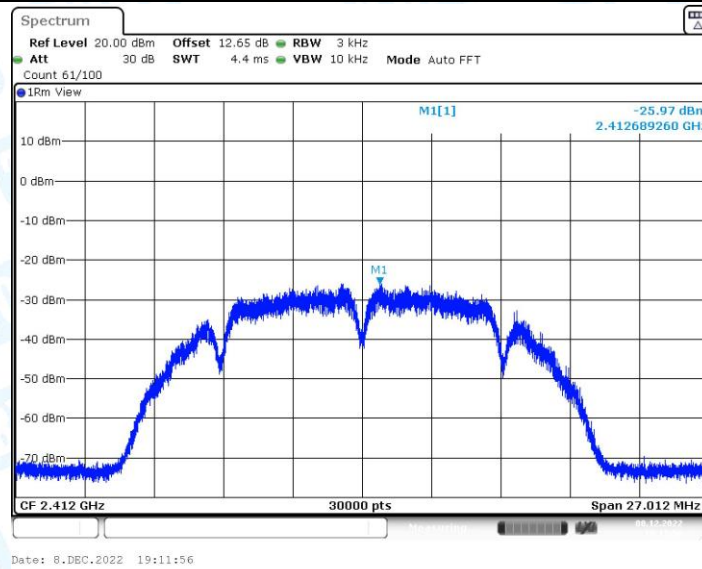
4. Maximum power spectral density

4.1. Test Result

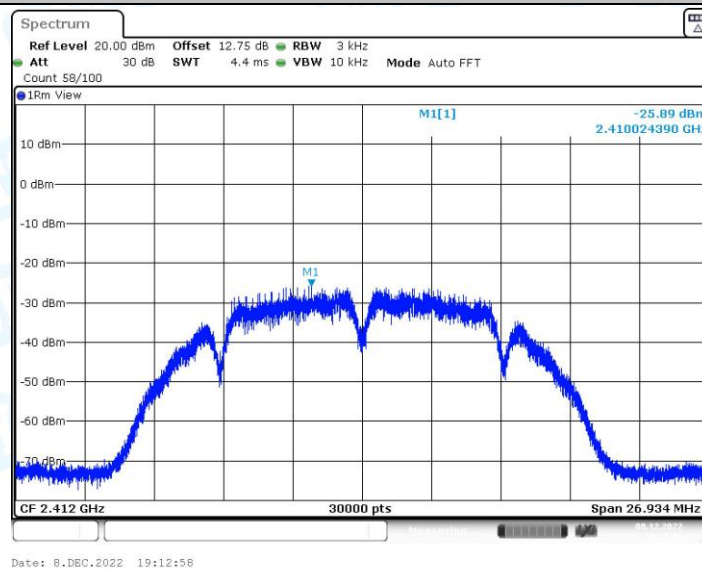
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-25.97	≤8.00	PASS
	Ant2	2412	-25.89	≤8.00	PASS
	total	2412	-22.92	≤7.99	PASS
	Ant1	2437	-26	≤8.00	PASS
	Ant2	2437	-26.14	≤8.00	PASS
	total	2437	-23.06	≤7.99	PASS
	Ant1	2462	-25.13	≤8.00	PASS
	Ant2	2462	-25.52	≤8.00	PASS
	total	2462	-22.31	≤7.99	PASS
11G-CDD	Ant1	2412	-26.3	≤8.00	PASS
	Ant2	2412	-26.01	≤8.00	PASS
	total	2412	-23.14	≤7.99	PASS
	Ant1	2437	-25.65	≤8.00	PASS
	Ant2	2437	-25.74	≤8.00	PASS
	total	2437	-22.68	≤7.99	PASS
	Ant1	2462	-25.54	≤8.00	PASS
	Ant2	2462	-25.86	≤8.00	PASS
	total	2462	-22.69	≤7.99	PASS
11N20MIMO	Ant1	2412	-26.12	≤8.00	PASS
	Ant2	2412	-26.81	≤8.00	PASS
	total	2412	-23.44	≤7.99	PASS
	Ant1	2437	-26.11	≤8.00	PASS
	Ant2	2437	-26.85	≤8.00	PASS
	total	2437	-23.45	≤7.99	PASS
	Ant1	2462	-26.31	≤8.00	PASS
	Ant2	2462	-26.63	≤8.00	PASS
	total	2462	-23.46	≤7.99	PASS
11N40MIMO	Ant1	2422	-28.45	≤8.00	PASS
	Ant2	2422	-29.09	≤8.00	PASS
	total	2422	-25.75	≤7.99	PASS
	Ant1	2437	-29.4	≤8.00	PASS
	Ant2	2437	-28.2	≤8.00	PASS
	total	2437	-25.75	≤7.99	PASS
	Ant1	2452	-29.33	≤8.00	PASS
	Ant2	2452	-28.35	≤8.00	PASS
	total	2452	-25.80	≤7.99	PASS

4.2. Test Graphs

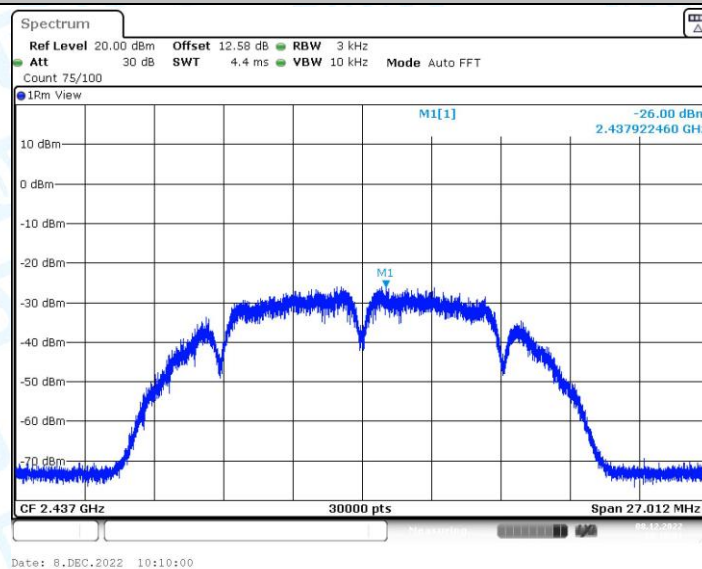
11B-CDD_Ant1_2412



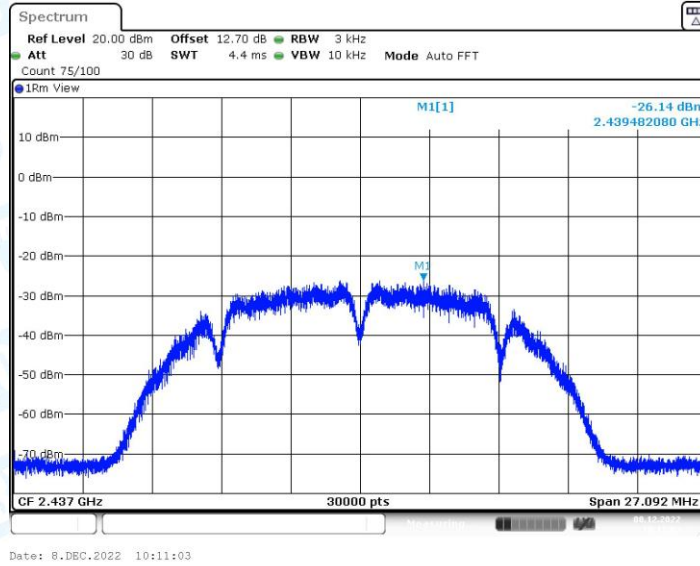
11B-CDD_Ant2_2412



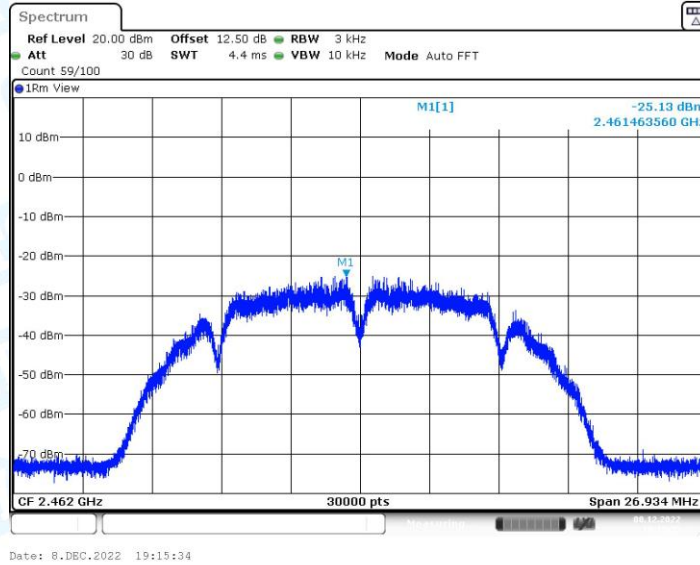
11B-CDD_Ant1_2437



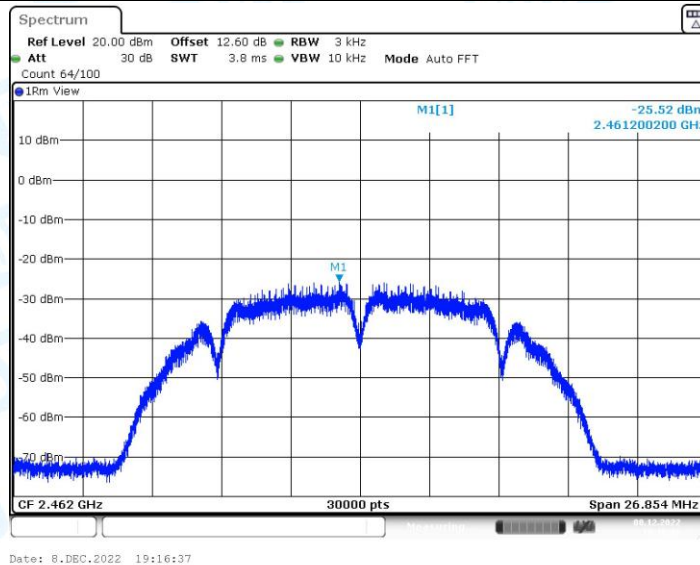
11B-CDD_Ant2_2437



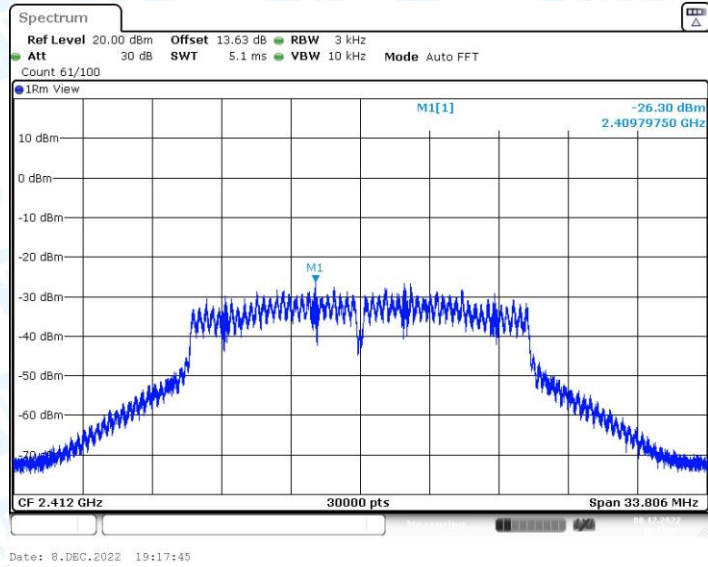
11B-CDD_Ant1_2462



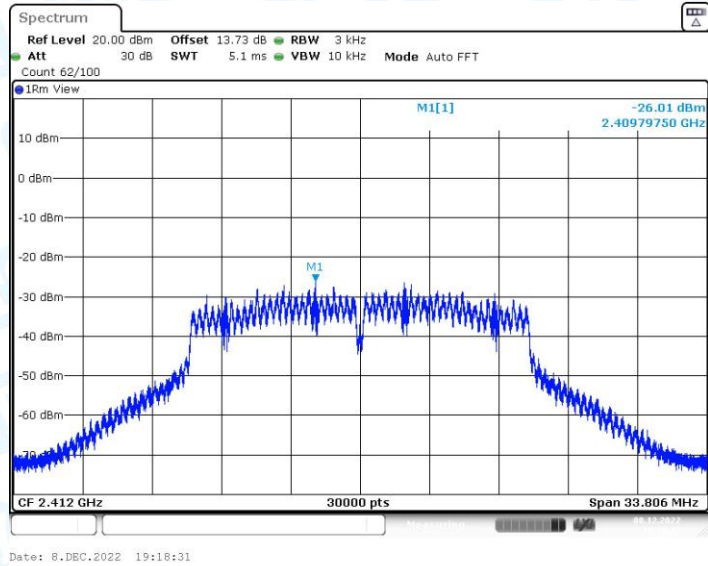
11B-CDD_Ant2_2462



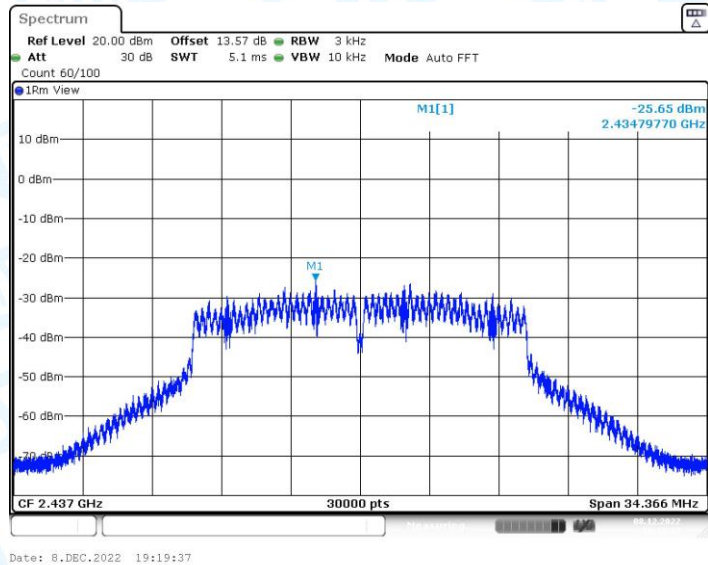
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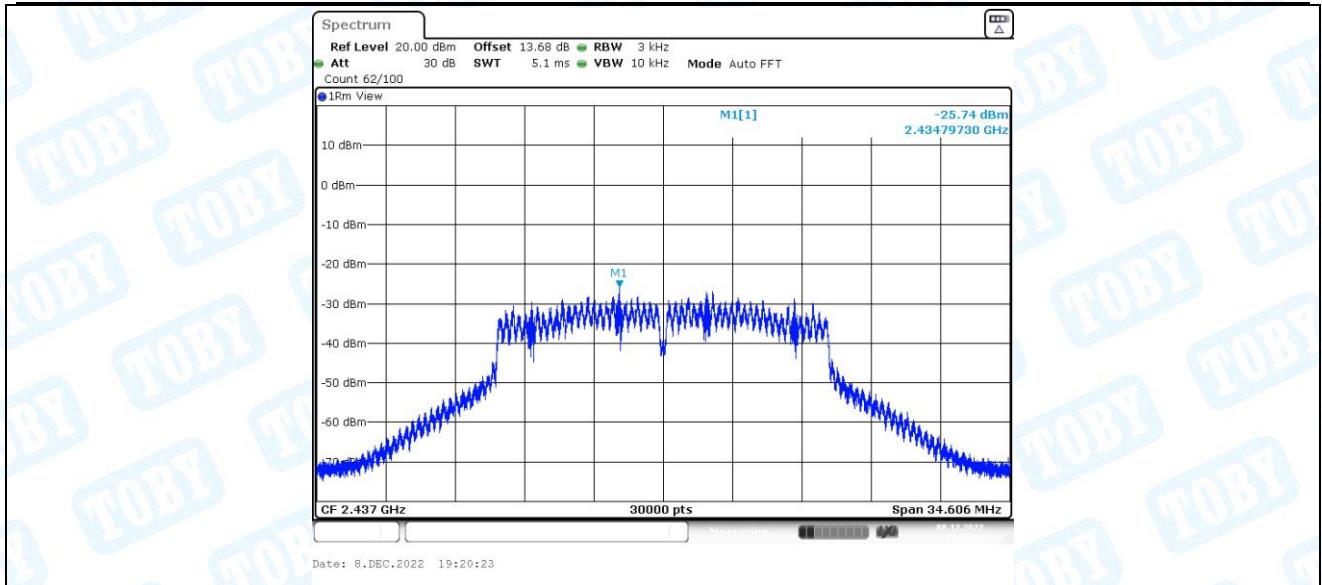
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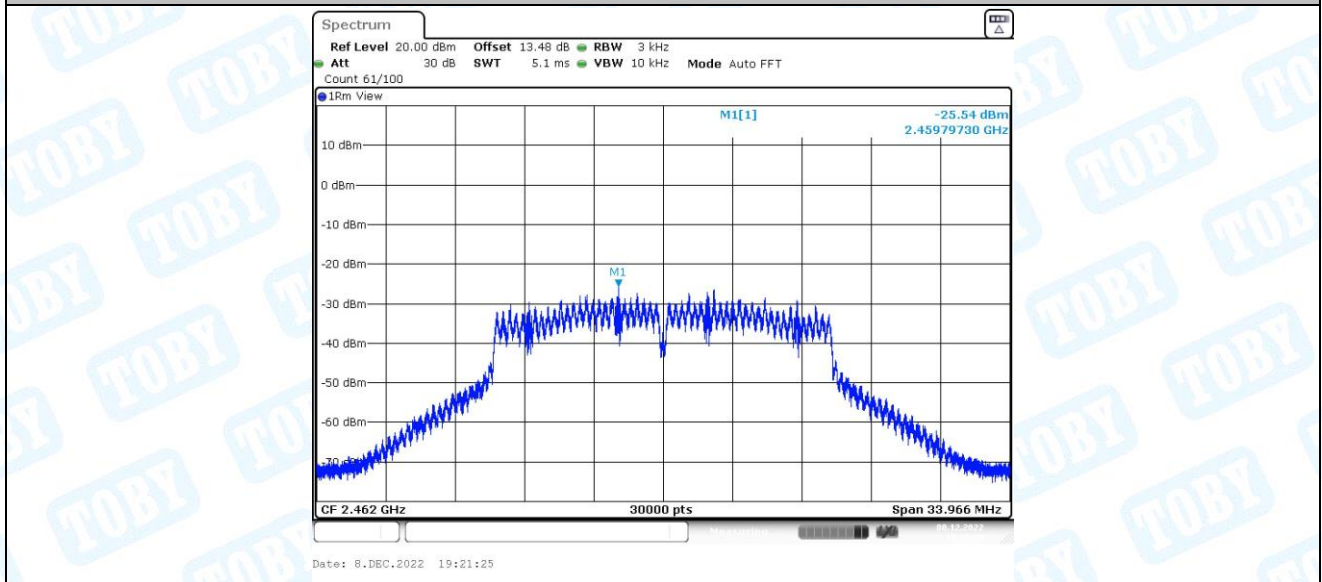
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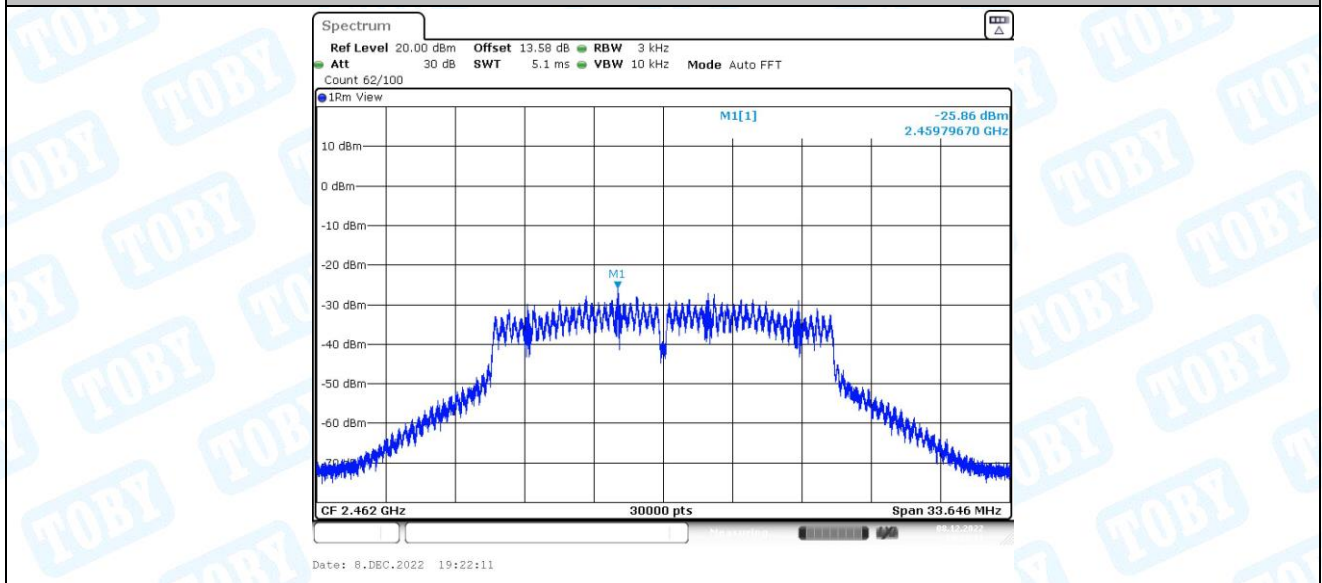
11G-CDD_Ant2_2437



11G-CDD_Ant1_2462



11G-CDD_Ant2_2462



11N20MIMO_Ant1_2412