

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

General Description of EUT	
Product Name:	Dash cam
Test Model:	S3
Sample ID:	202211-0065-2-2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202211-0065-2	

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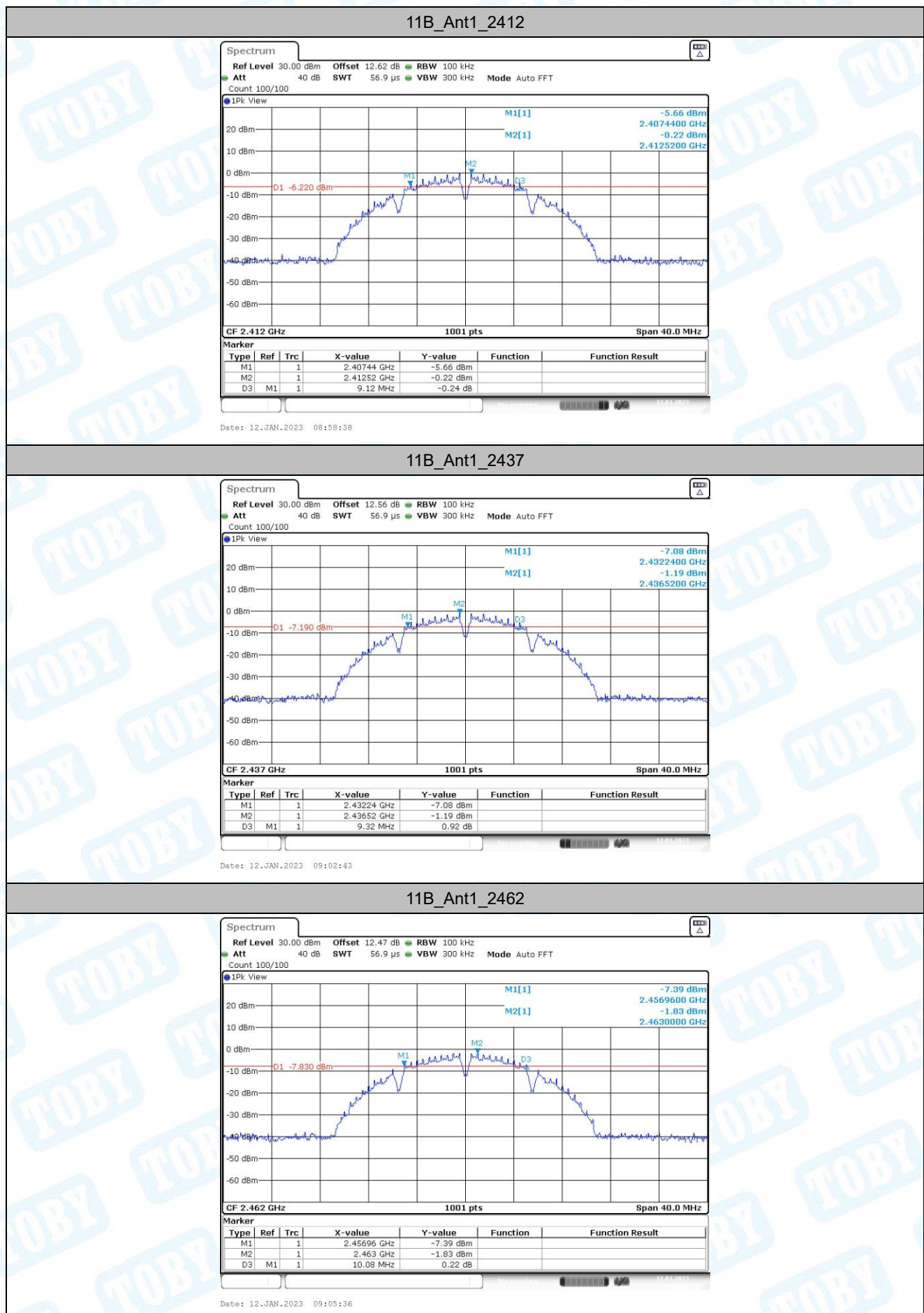
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1. DTS Bandwidth

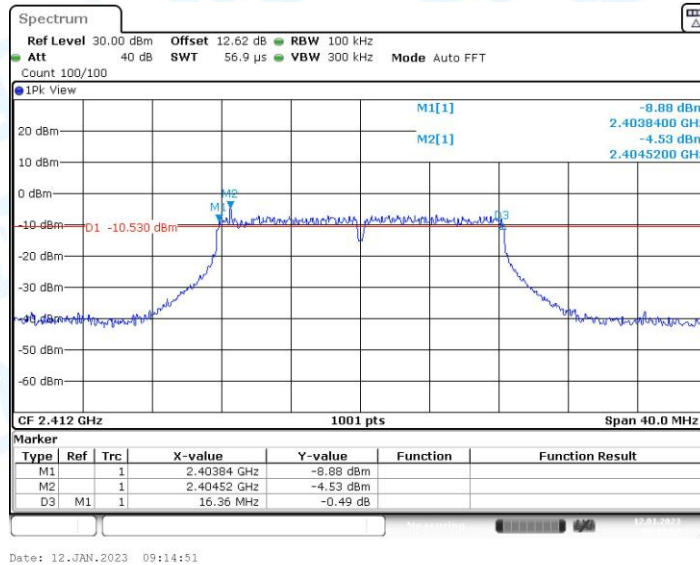
1.1. Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.12	2407.44	2416.56	0.5	PASS
		2437	9.32	2432.24	2441.56	0.5	PASS
		2462	10.08	2456.96	2467.04	0.5	PASS
11G	Ant1	2412	16.36	2403.84	2420.20	0.5	PASS
		2437	16.36	2428.84	2445.20	0.5	PASS
		2462	16.36	2453.84	2470.20	0.5	PASS
11N20SISO	Ant1	2412	17.72	2403.12	2420.84	0.5	PASS
		2437	17.56	2428.24	2445.80	0.5	PASS
		2462	17.60	2453.20	2470.80	0.5	PASS
11N40SISO	Ant1	2422	35.20	2404.56	2439.76	0.5	PASS
		2437	35.60	2419.24	2454.84	0.5	PASS
		2452	35.92	2434.24	2470.16	0.5	PASS

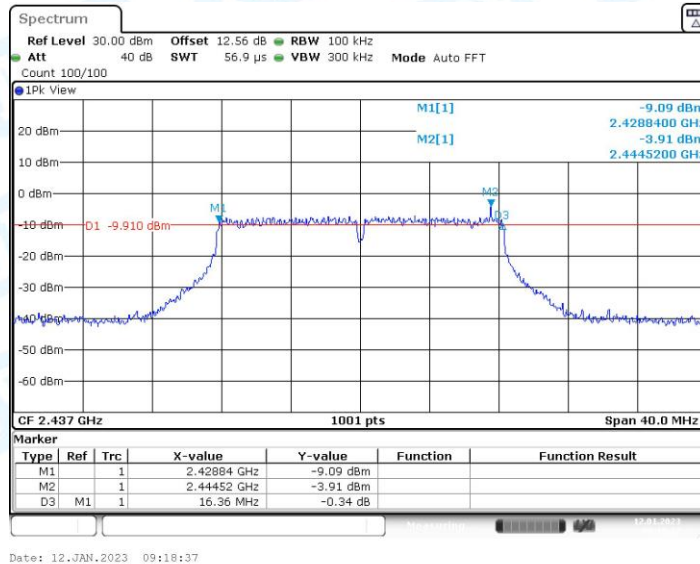
1.2. Test Graphs



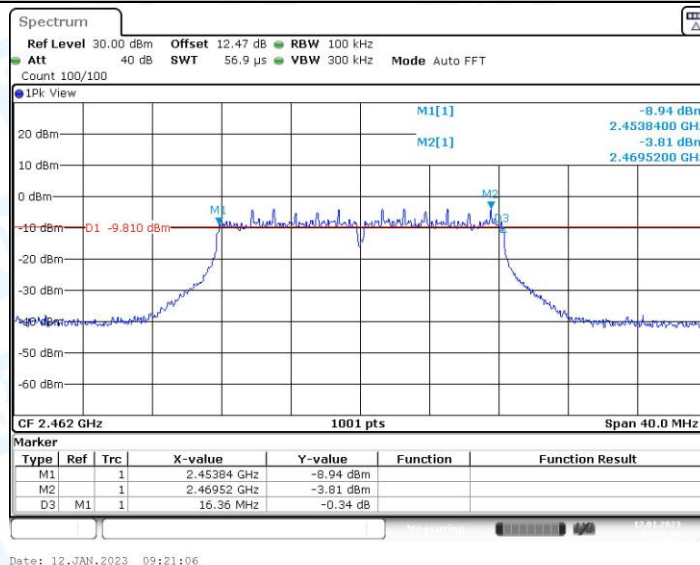
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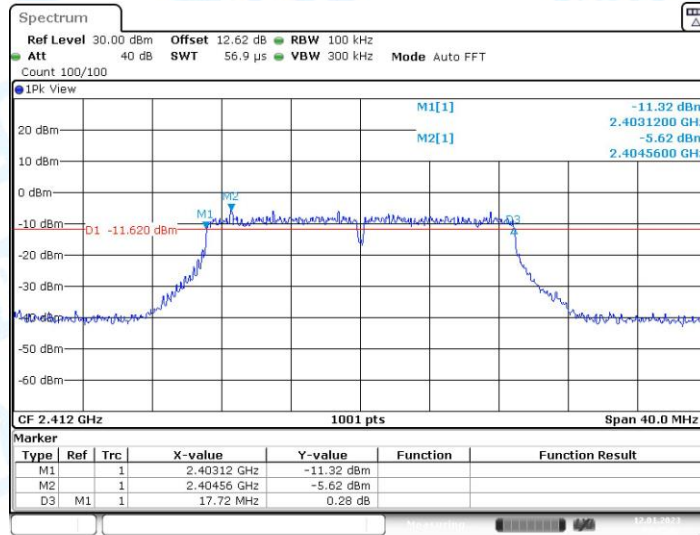
11G_Ant1_2437



11G_Ant1_2462

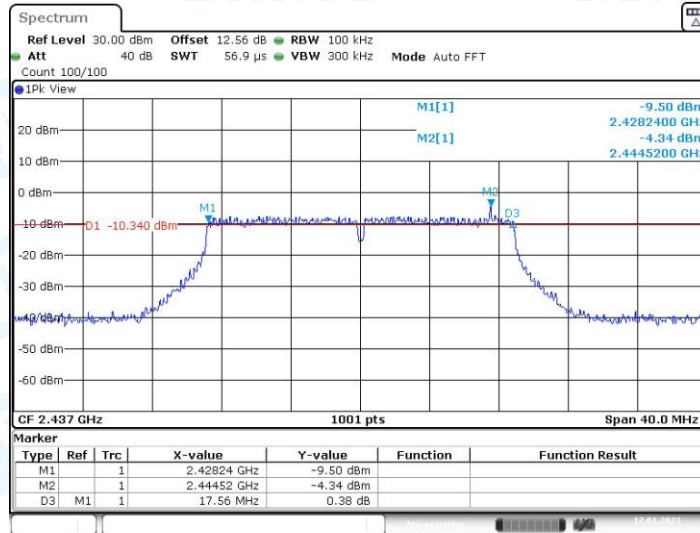


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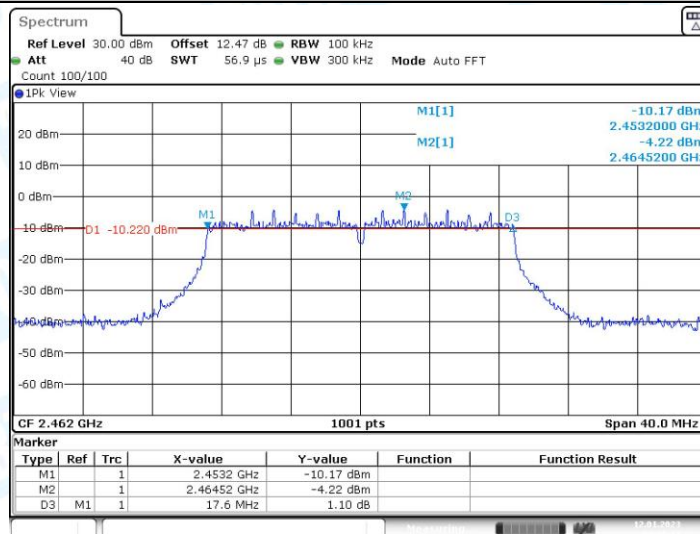
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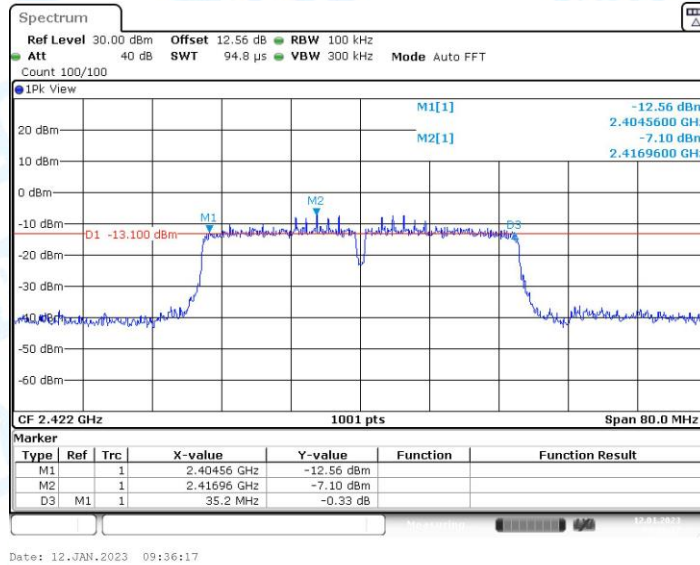
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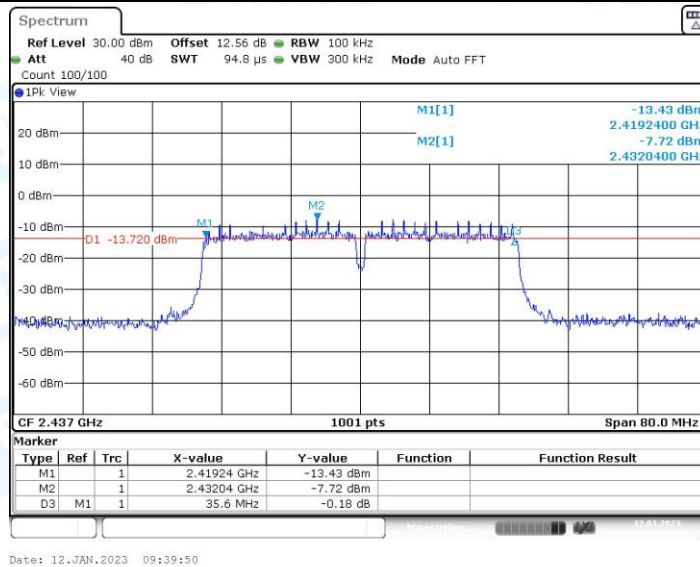


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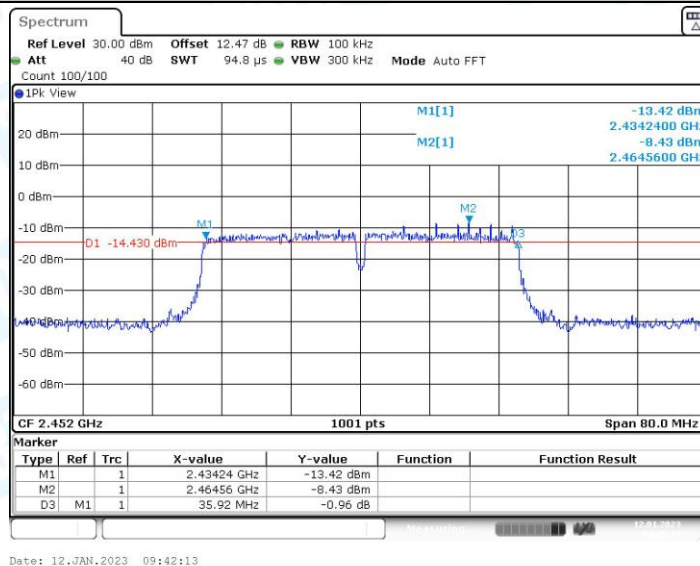
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

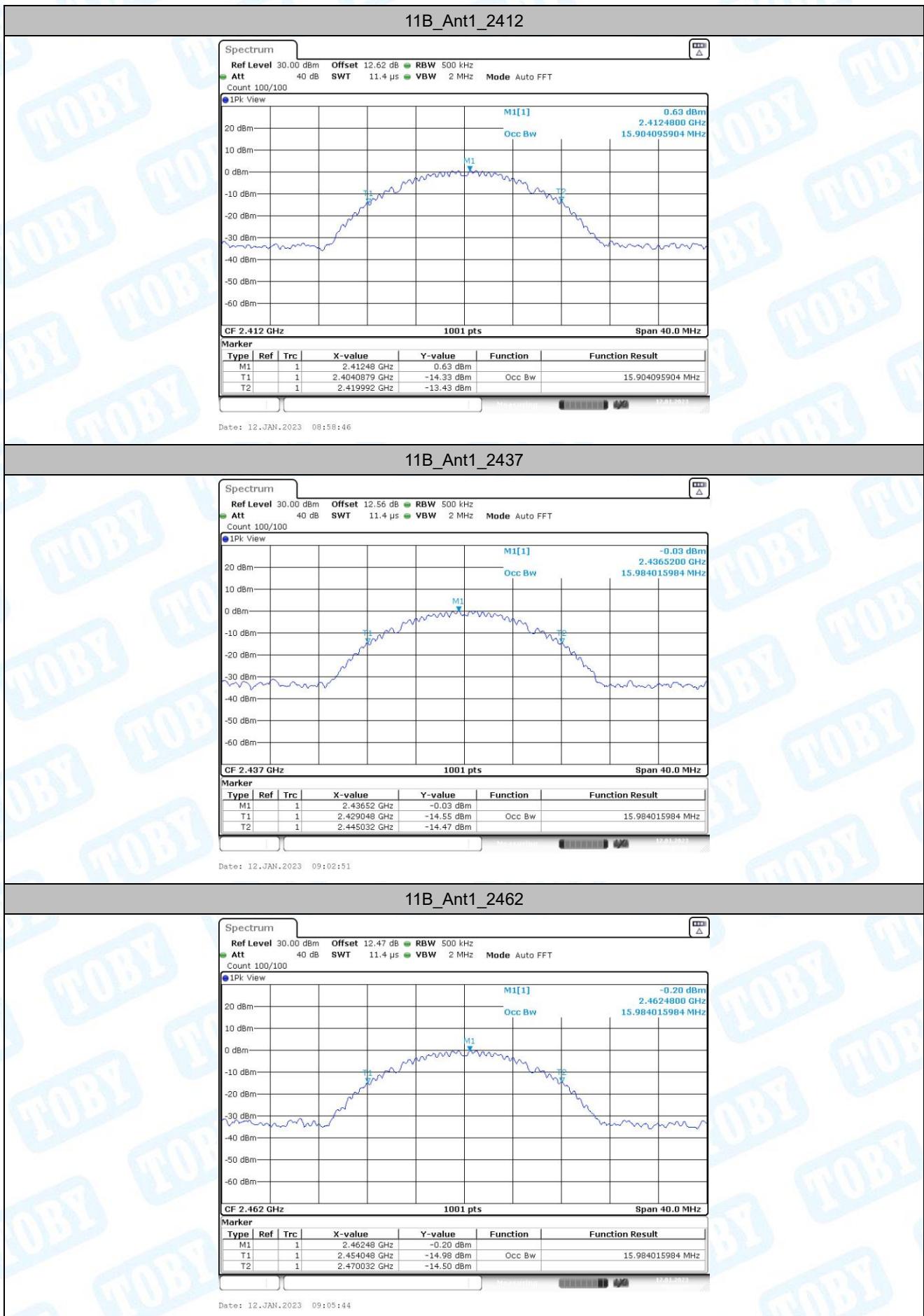


2. Occupied Channel Bandwidth

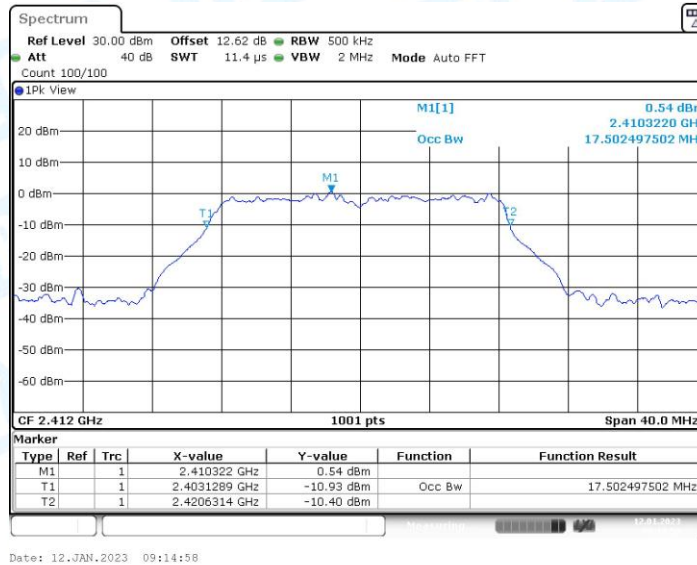
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.904	2404.0879	2419.9920	---	---
		2437	15.984	2429.0480	2445.0320	---	---
		2462	15.984	2454.0480	2470.0320	---	---
11G	Ant1	2412	17.502	2403.1289	2420.6314	---	---
		2437	17.143	2428.3686	2445.5115	---	---
		2462	17.383	2453.3287	2470.7113	---	---
11N20SISO	Ant1	2412	18.142	2402.8492	2420.9910	---	---
		2437	18.741	2427.5694	2446.3107	---	---
		2462	18.142	2453.0490	2471.1908	---	---
11N40SISO	Ant1	2422	36.523	2403.6983	2440.2218	---	---
		2437	36.523	2418.7782	2455.3017	---	---
		2452	36.603	2433.6184	2470.2218	---	---

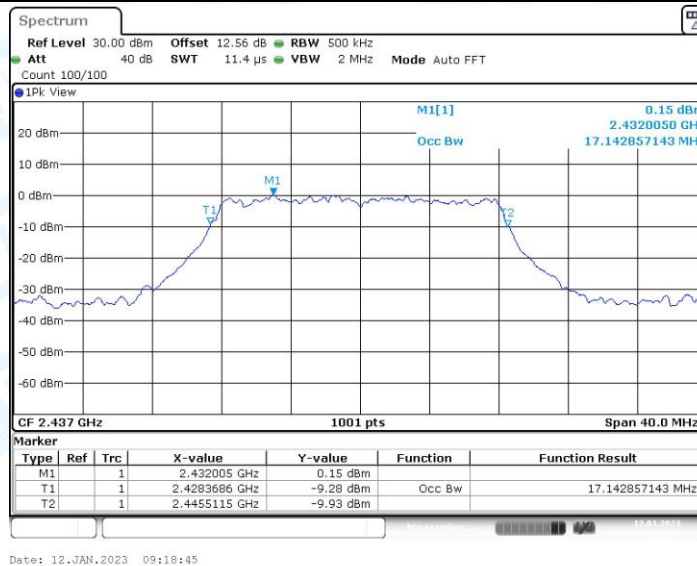
2.2. Test Graphs



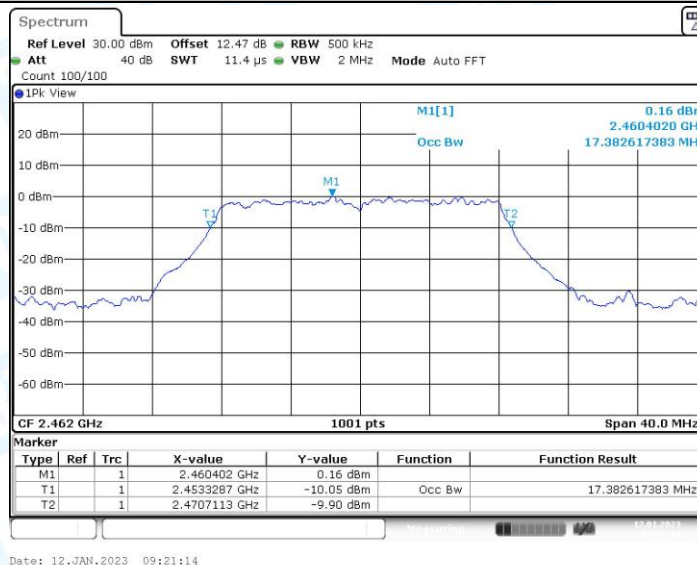
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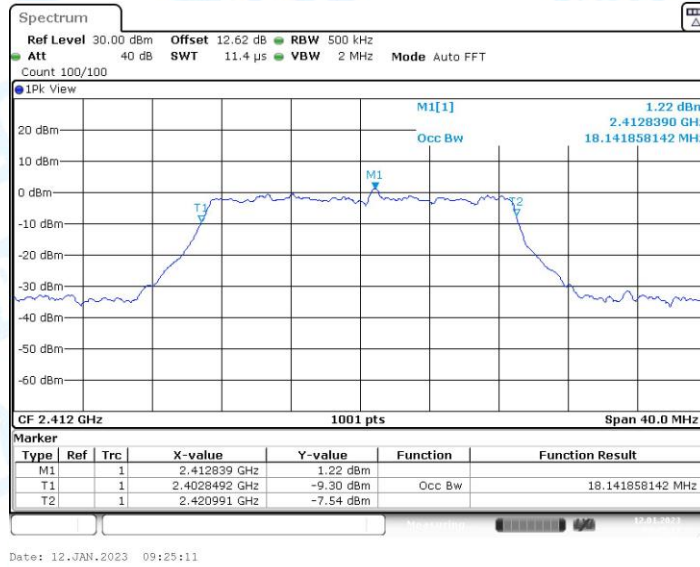
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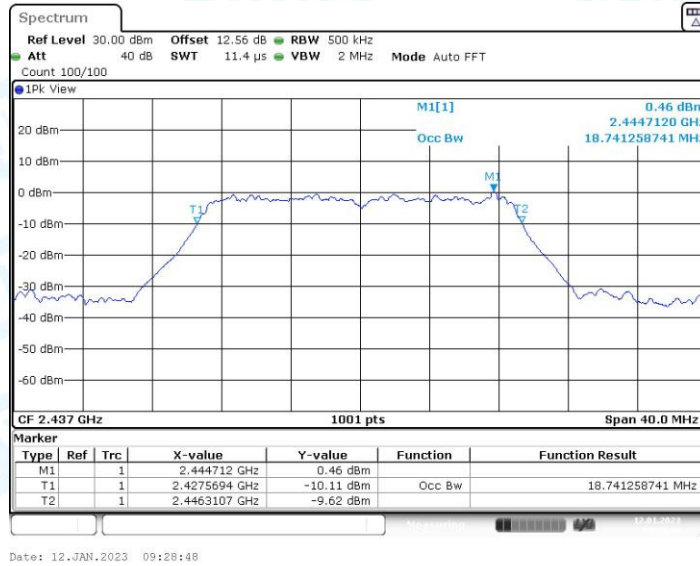
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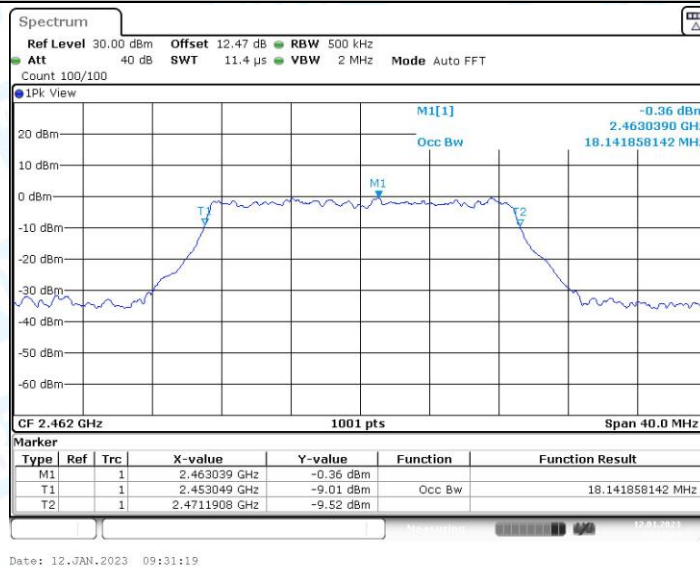
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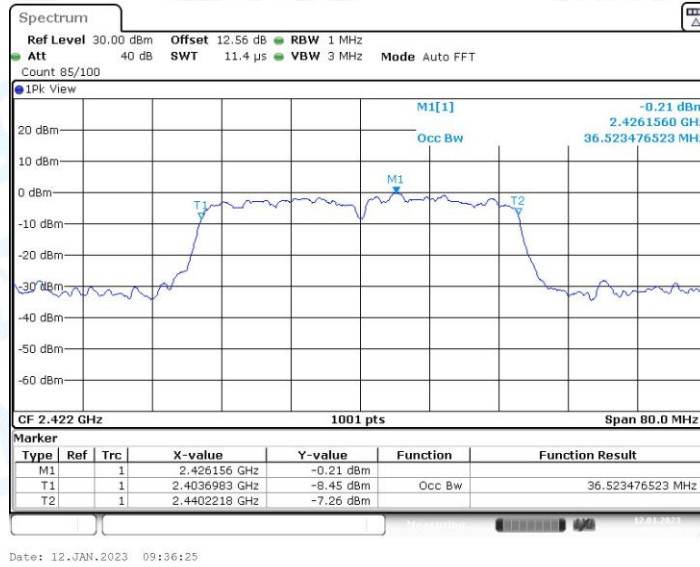
11N20SISO_Ant1_2437



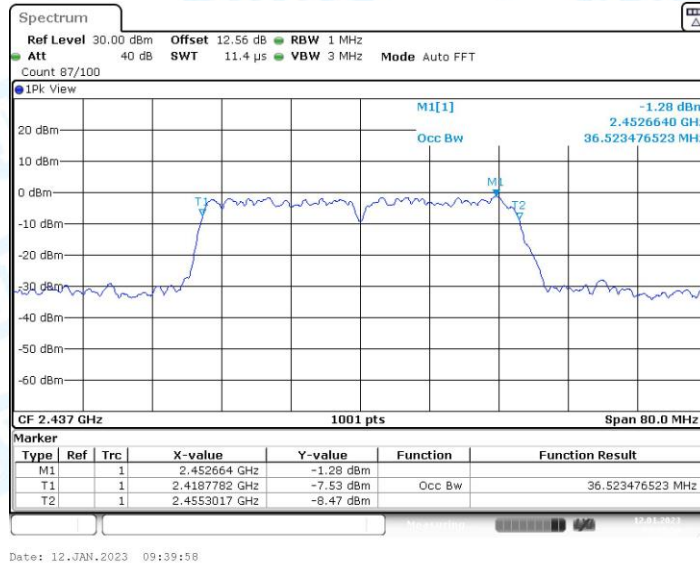
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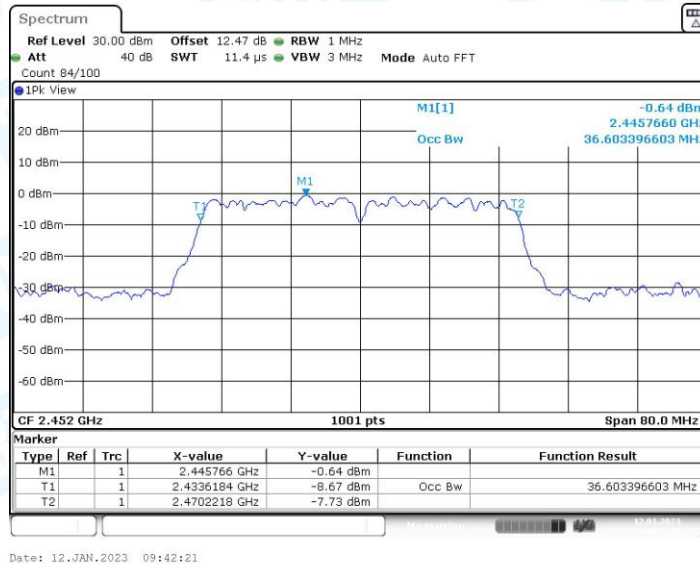
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



3. Maximum conducted output power

3.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	9.46	≤30.00	PASS
		2437	9.15	≤30.00	PASS
		2462	8.66	≤30.00	PASS
11G	Ant1	2412	8.24	≤30.00	PASS
		2437	8.56	≤30.00	PASS
		2462	8.62	≤30.00	PASS
11N20SISO	Ant1	2412	8.12	≤30.00	PASS
		2437	8.36	≤30.00	PASS
		2462	8.38	≤30.00	PASS
11N40SISO	Ant1	2422	7.87	≤30.00	PASS
		2437	7.85	≤30.00	PASS
		2452	8.20	≤30.00	PASS

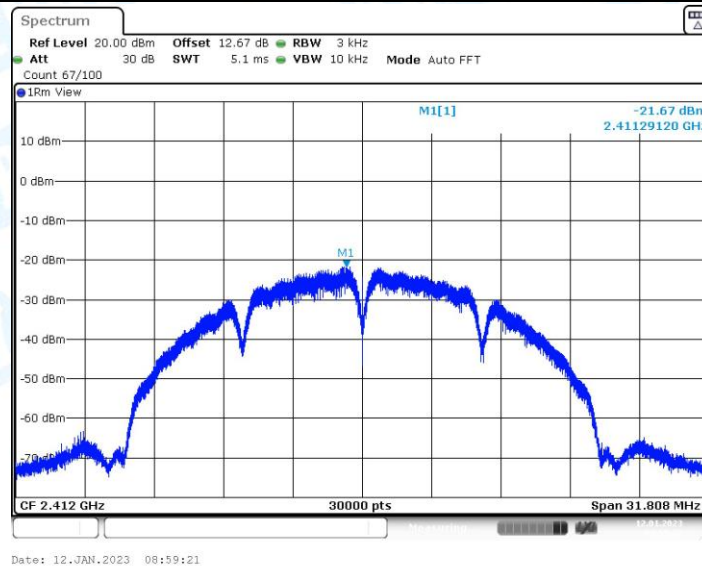
4. Maximum power spectral density

4.1. Test Result

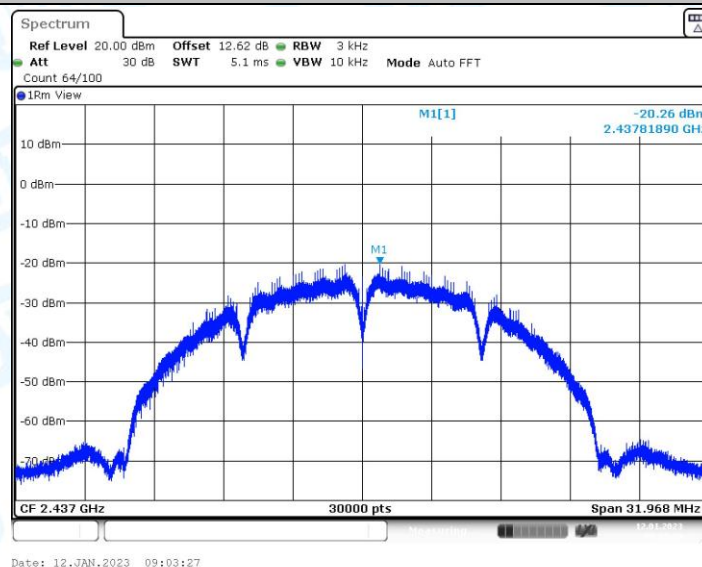
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-21.67	≤8.00	PASS
		2437	-20.26	≤8.00	PASS
		2462	-20.78	≤8.00	PASS
11G	Ant1	2412	-23.32	≤8.00	PASS
		2437	-22.96	≤8.00	PASS
		2462	-22.93	≤8.00	PASS
11N20SISO	Ant1	2412	-22.68	≤8.00	PASS
		2437	-22.95	≤8.00	PASS
		2462	-23.75	≤8.00	PASS
11N40SISO	Ant1	2422	-28.18	≤8.00	PASS
		2437	-27.69	≤8.00	PASS
		2452	-25.91	≤8.00	PASS

4.2. Test Graphs

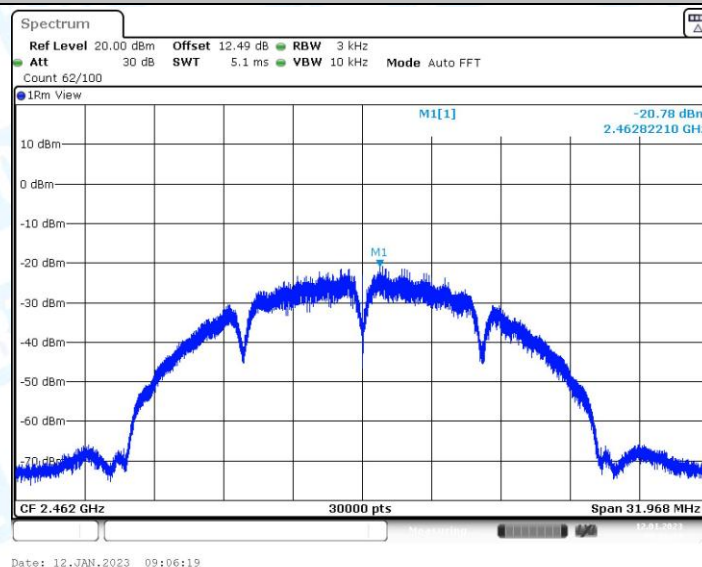
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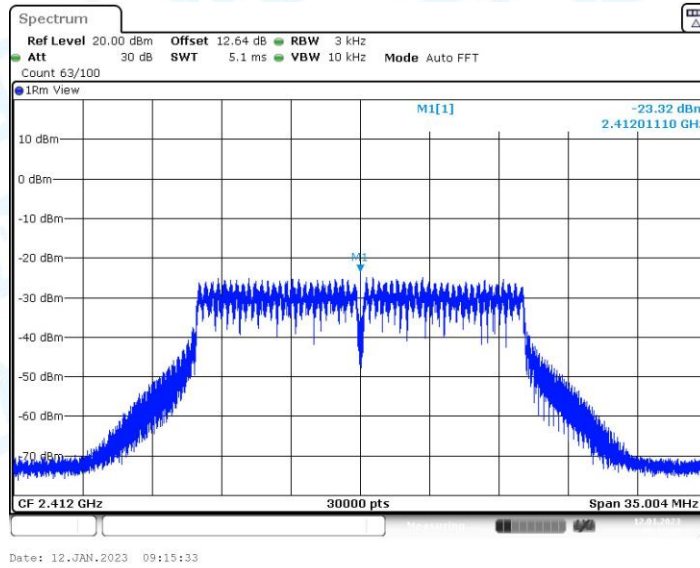
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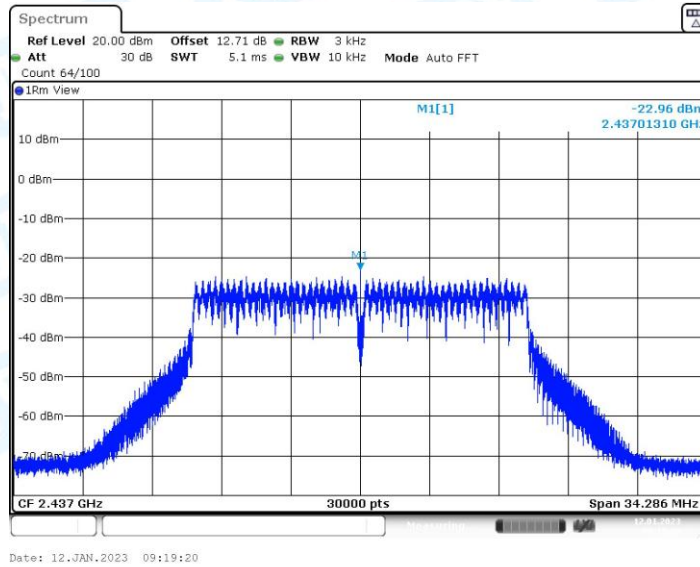
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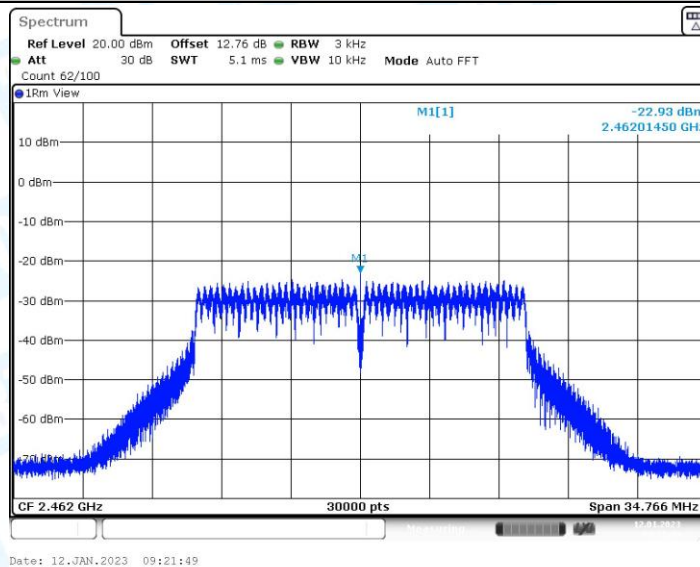
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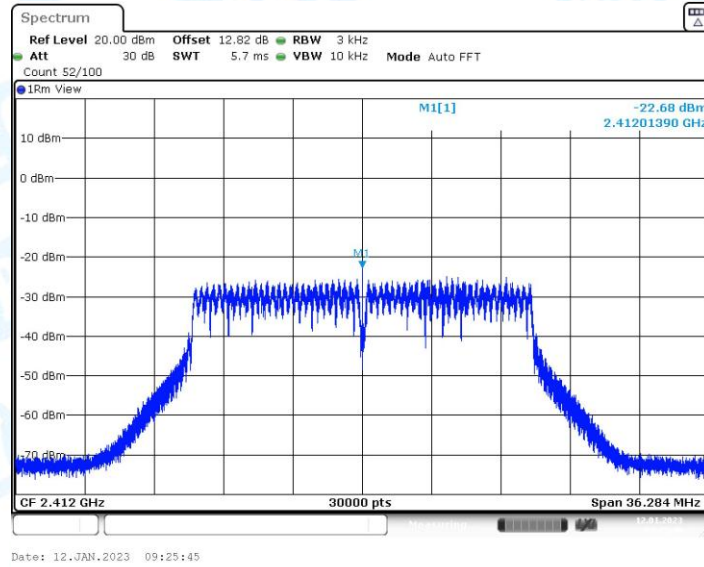
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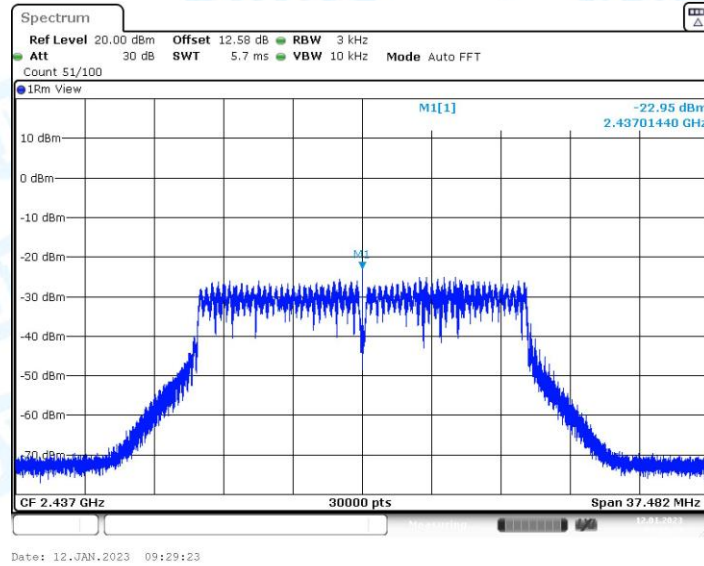
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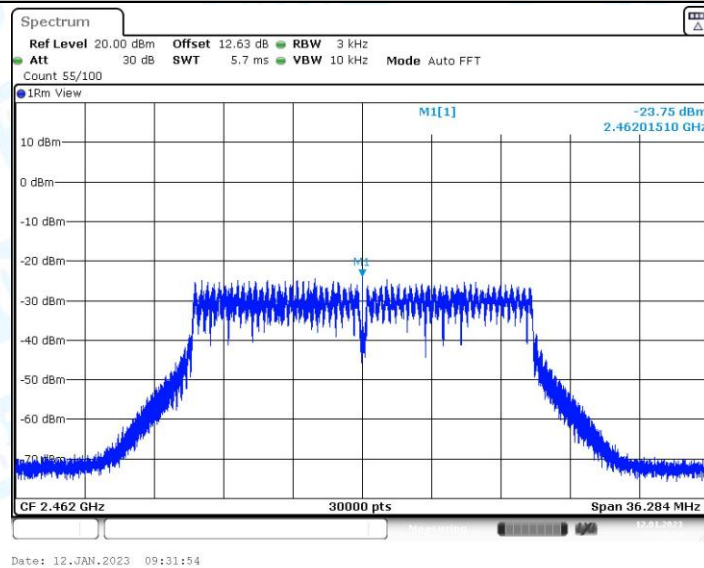
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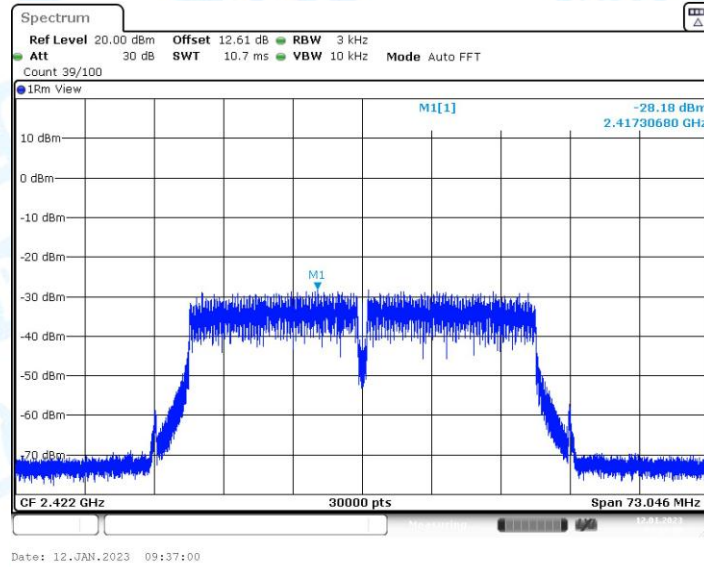
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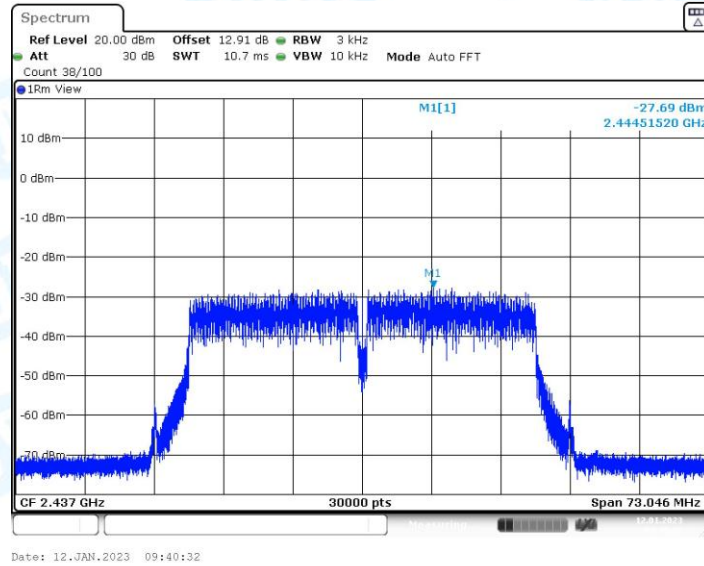
11N20SISO_Ant1_2462



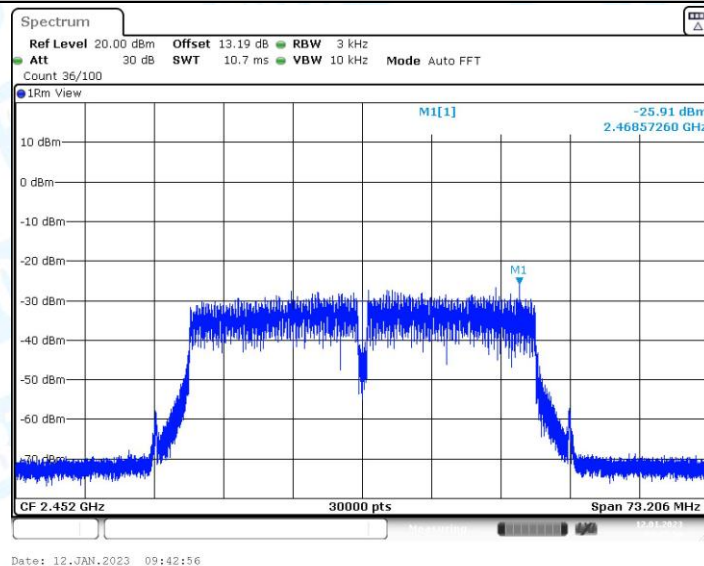
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



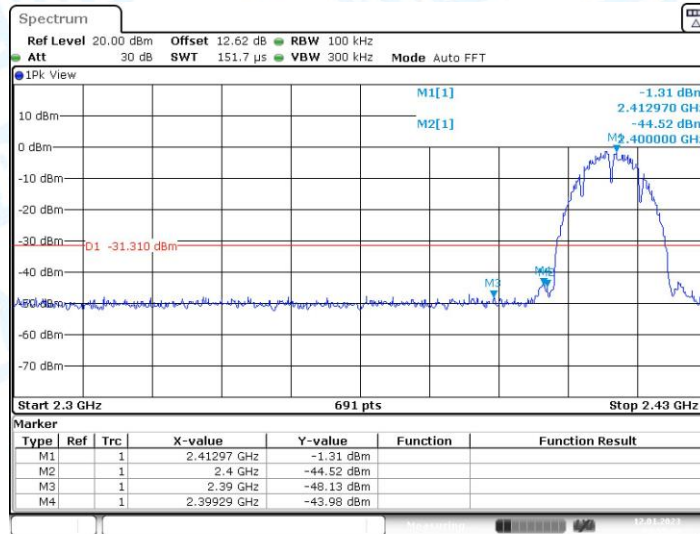
5. Band edge measurements

5.1. Test Result

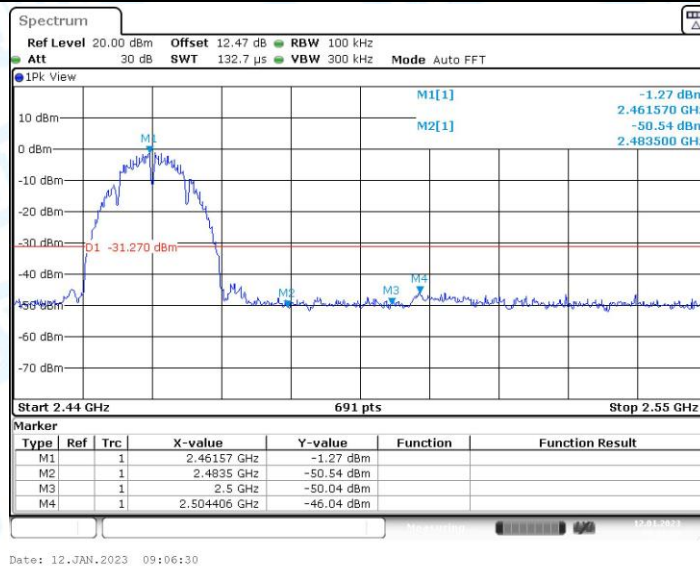
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.31	-43.98	≤ -31.31	PASS
		High	2462	-1.27	-46.04	≤ -31.27	PASS
11G	Ant1	Low	2412	-5.08	-41.28	≤ -35.08	PASS
		High	2462	-4.59	-46.02	≤ -34.59	PASS
11N20SISO	Ant1	Low	2412	-3.85	-40.8	≤ -33.85	PASS
		High	2462	-4.90	-44.84	≤ -34.9	PASS
11N40SISO	Ant1	Low	2422	-7.46	-44.01	≤ -37.46	PASS
		High	2452	-7.80	-44.7	≤ -37.8	PASS

5.2. Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

