

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

General Description of EUT	
Product Name:	Network Video Recorder
Test Model:	K8508-MW
Sample ID:	RW-C-202202-0074-2-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 12V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202202-0074-1	

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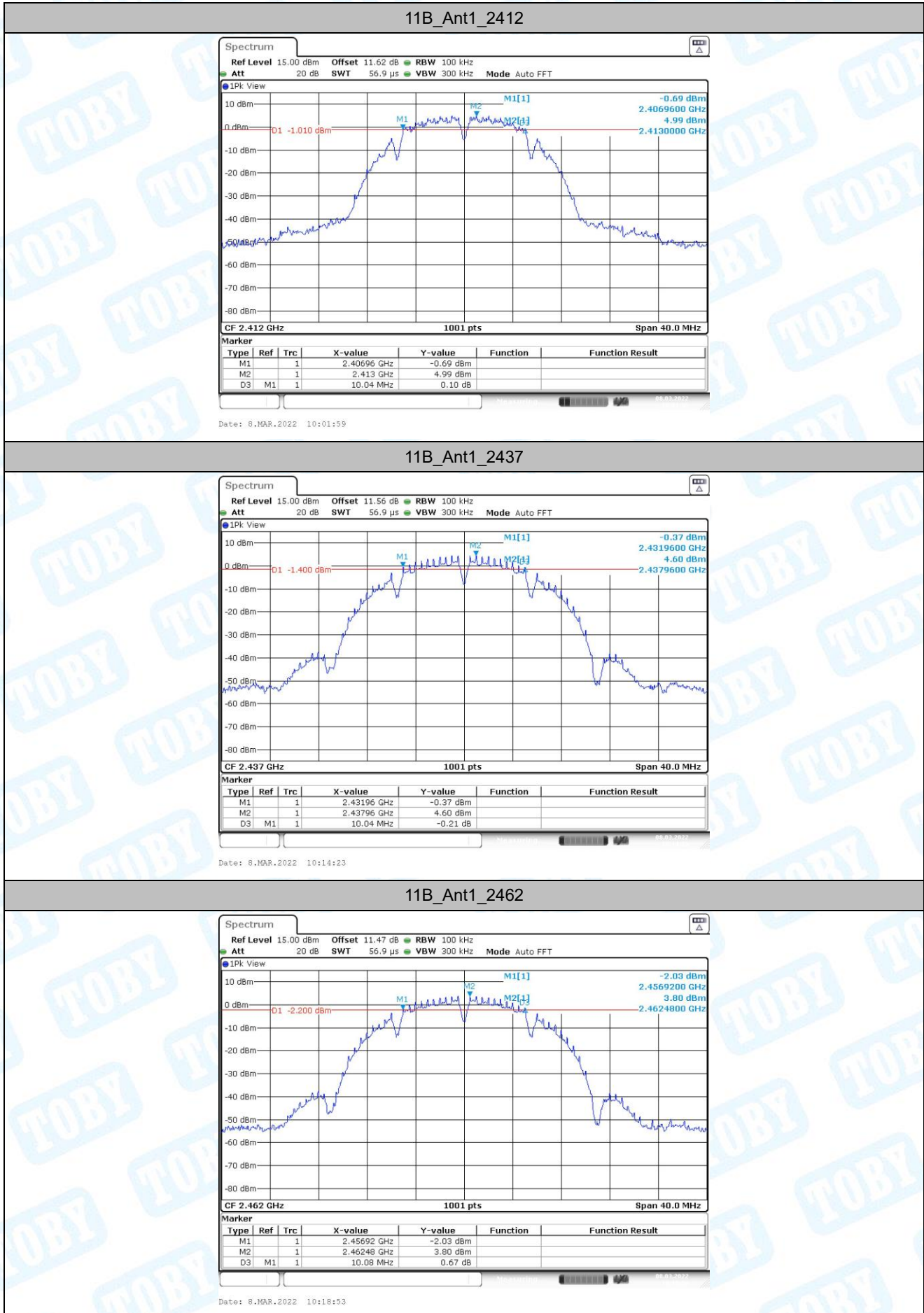
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1. DTS Bandwidth

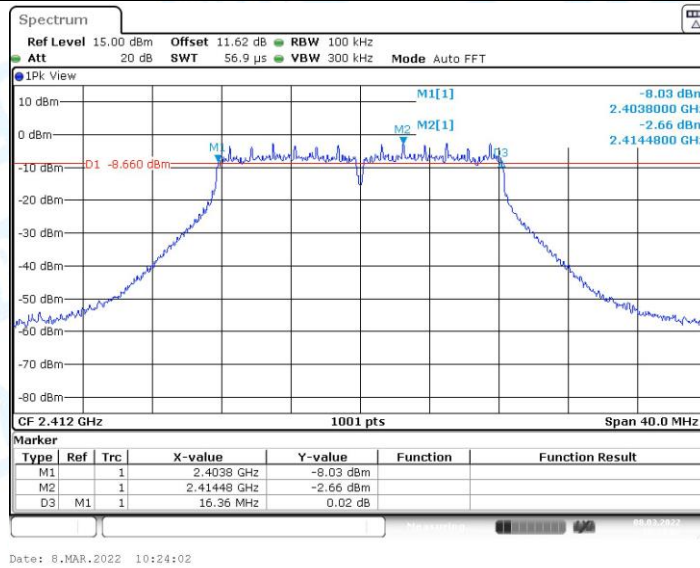
1.1. Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.04	2406.96	2417.00	0.5	PASS
		2437	10.04	2431.96	2442.00	0.5	PASS
		2462	10.08	2456.92	2467.00	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
		2437	16.36	2428.80	2445.16	0.5	PASS
		2462	16.36	2453.80	2470.16	0.5	PASS
11N20SISO	Ant1	2412	17.56	2403.20	2420.76	0.5	PASS
		2437	17.56	2428.20	2445.76	0.5	PASS
		2462	17.56	2453.20	2470.76	0.5	PASS

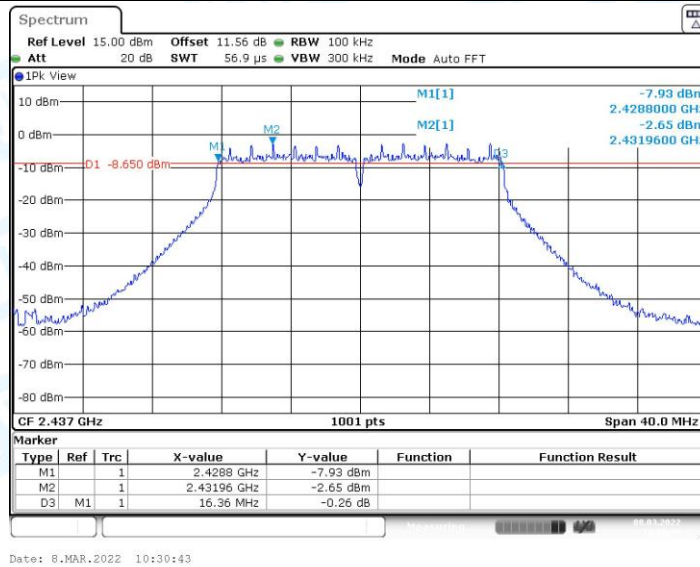
1.2. Test Graphs



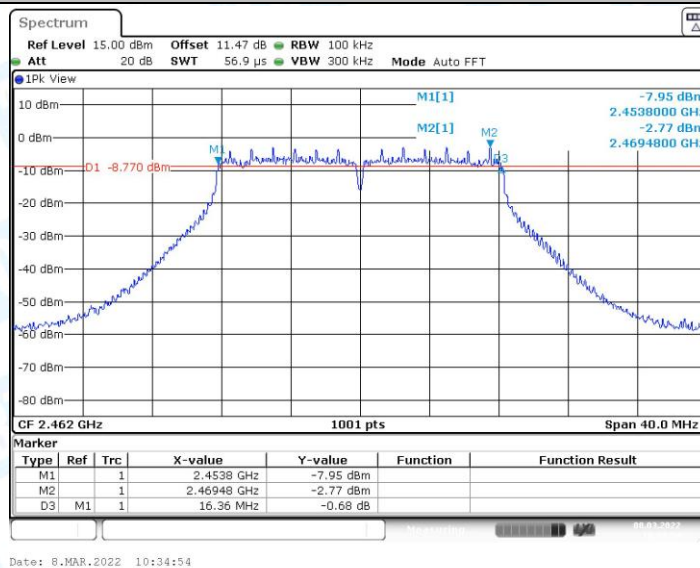
11G_Ant1_2412



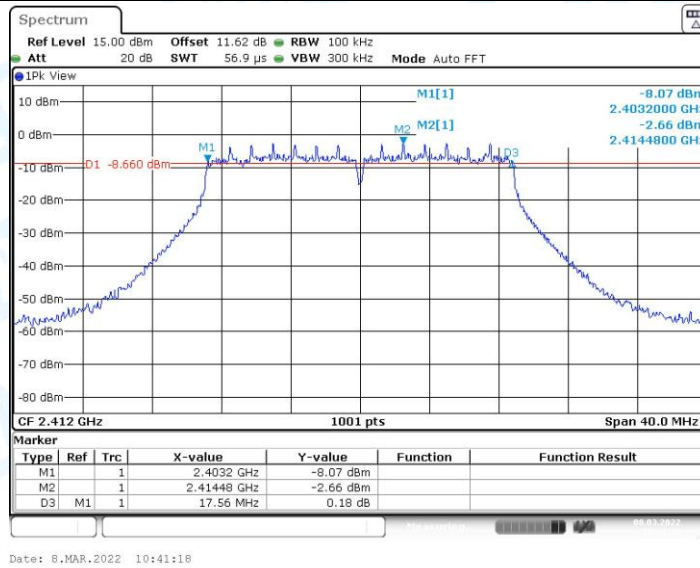
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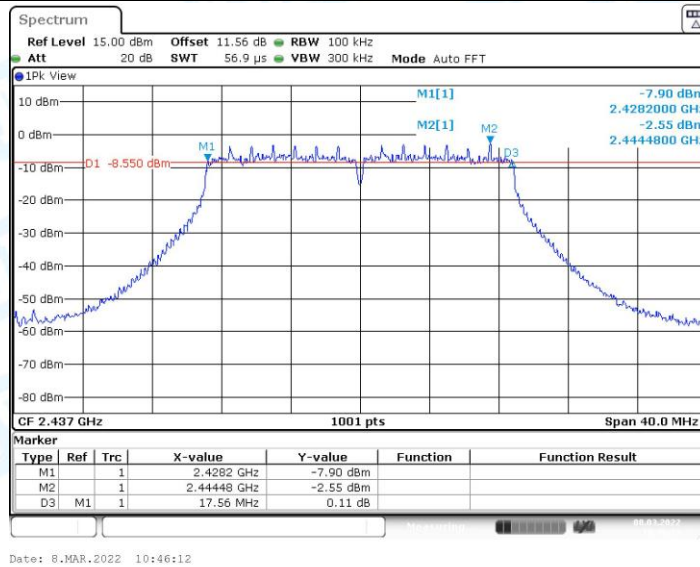
11G_Ant1_2462



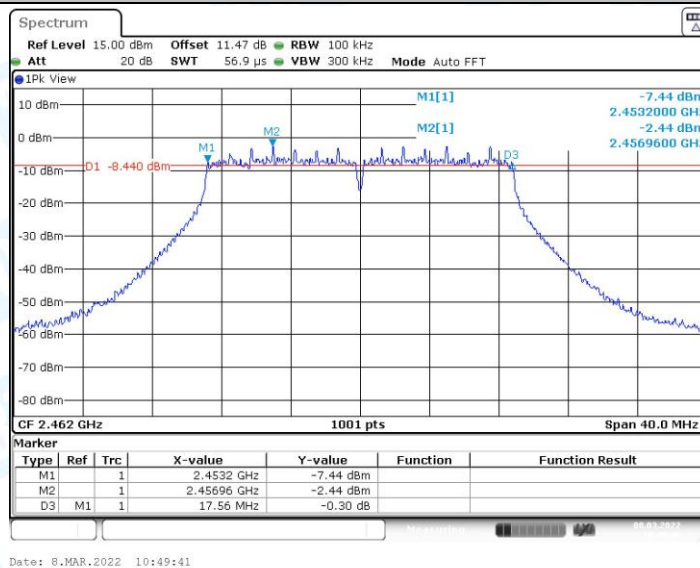
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

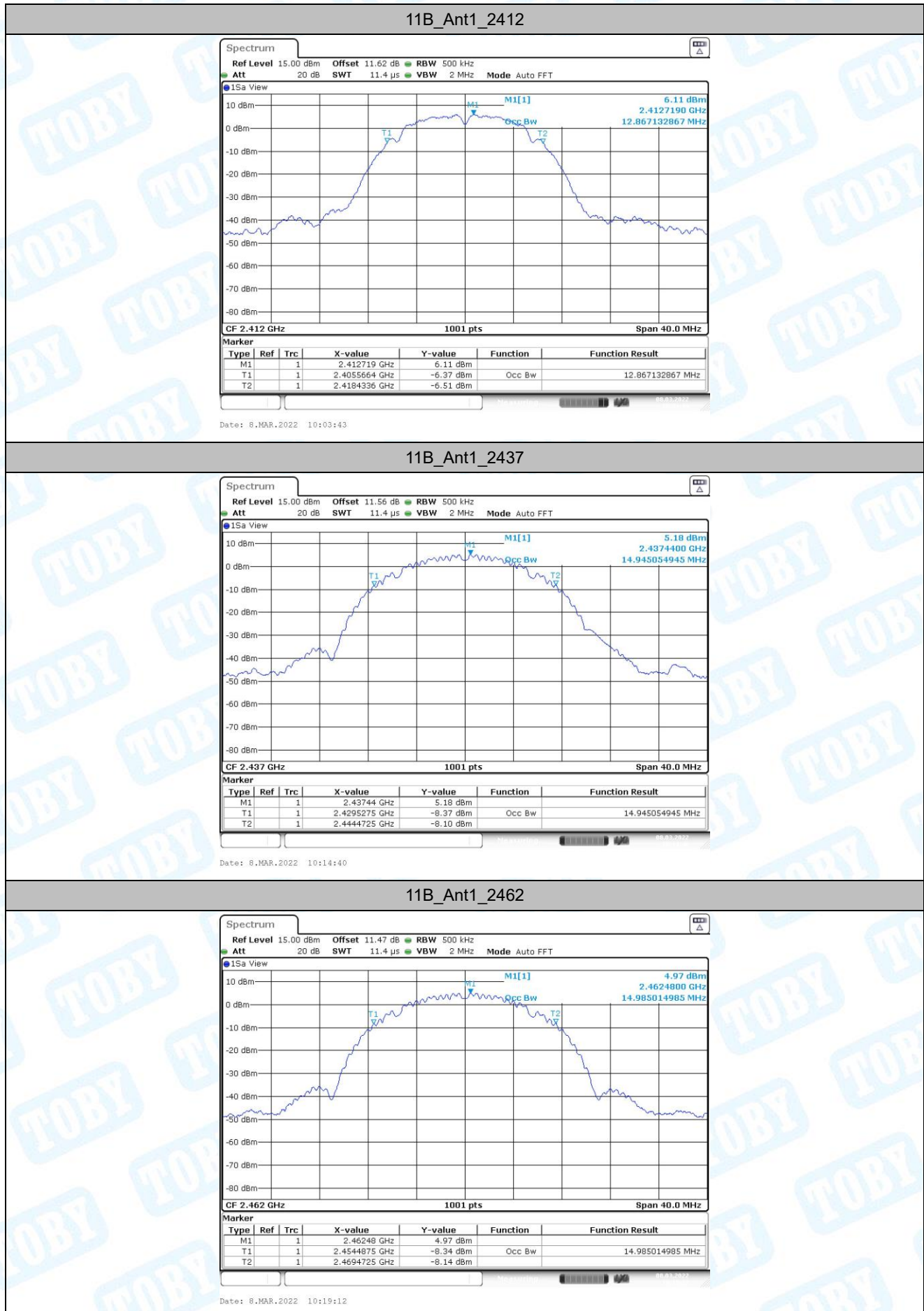


2. Occupied Channel Bandwidth

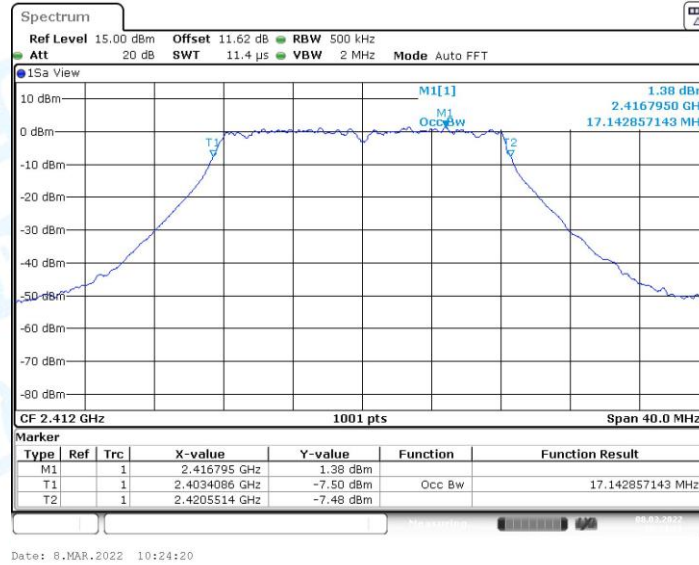
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.867	2405.566	2418.434	---	---
		2437	14.945	2429.527	2444.473	---	---
		2462	14.985	2454.488	2469.473	---	---
11G	Ant1	2412	17.143	2403.409	2420.551	---	---
		2437	17.582	2428.369	2445.951	---	---
		2462	17.303	2453.289	2470.591	---	---
11N20SISO	Ant1	2412	18.302	2402.849	2421.151	---	---
		2437	18.422	2427.889	2446.311	---	---
		2462	18.142	2452.889	2471.031	---	---

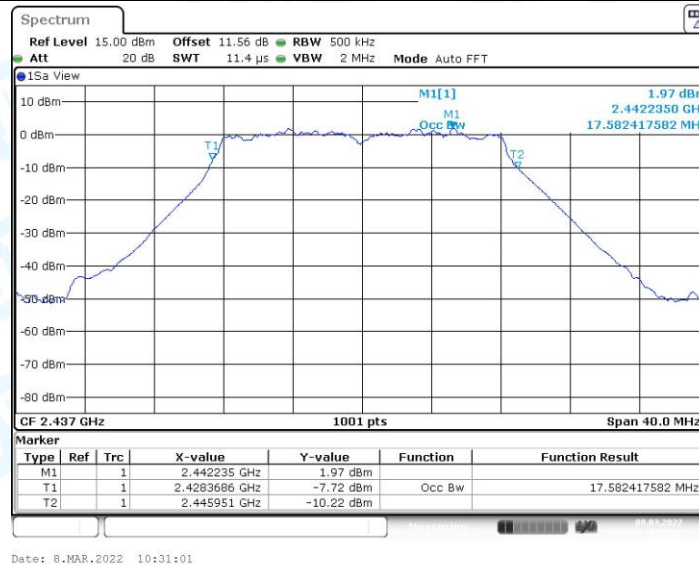
2.2. Test Graphs



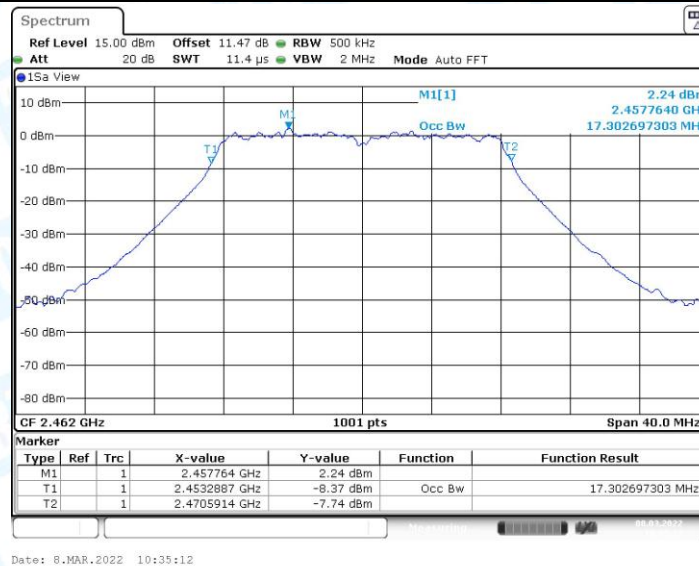
11G_Ant1_2412



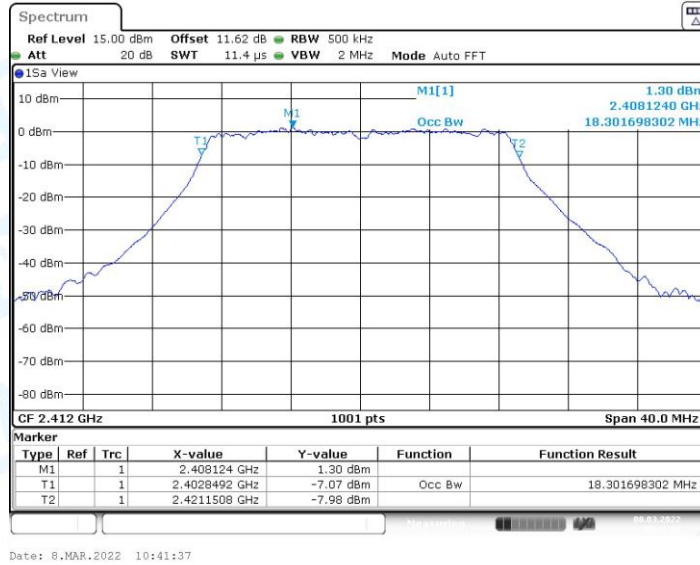
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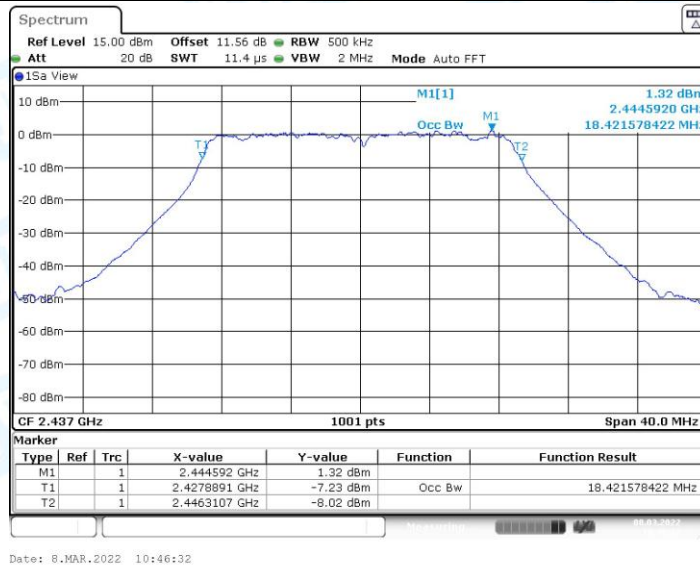
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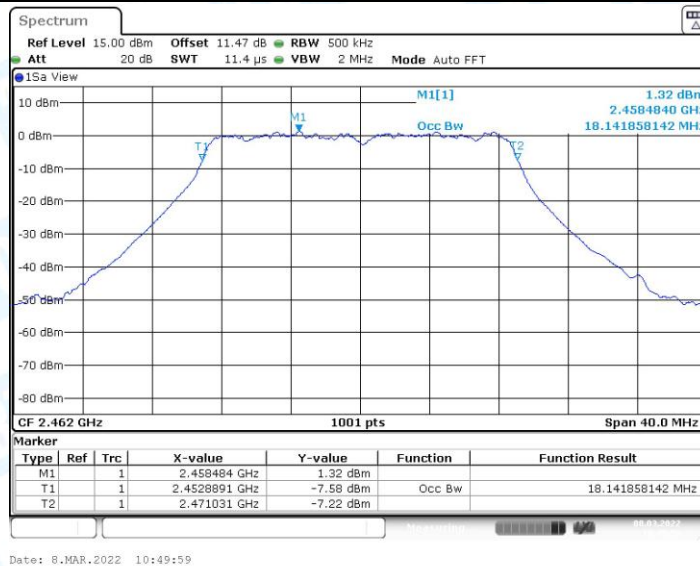
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



3. Maximum conducted output power

3.1. Test Result

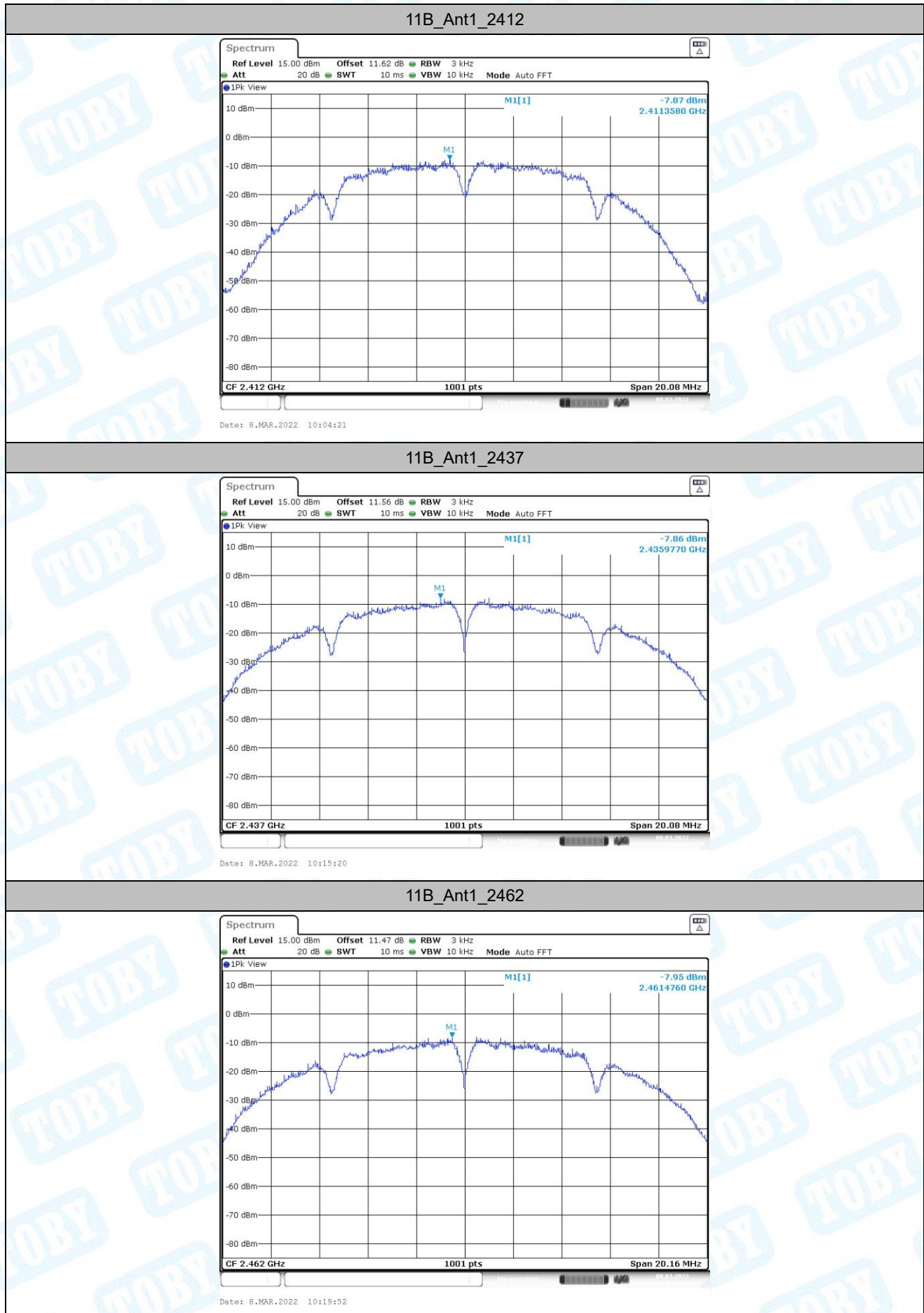
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.30	≤30.00	PASS
		2437	16.77	≤30.00	PASS
		2462	16.64	≤30.00	PASS
11G	Ant1	2412	16.62	≤30.00	PASS
		2437	16.79	≤30.00	PASS
		2462	16.63	≤30.00	PASS
11N20SISO	Ant1	2412	16.73	≤30.00	PASS
		2437	16.80	≤30.00	PASS
		2462	16.84	≤30.00	PASS

4. Maximum power spectral density

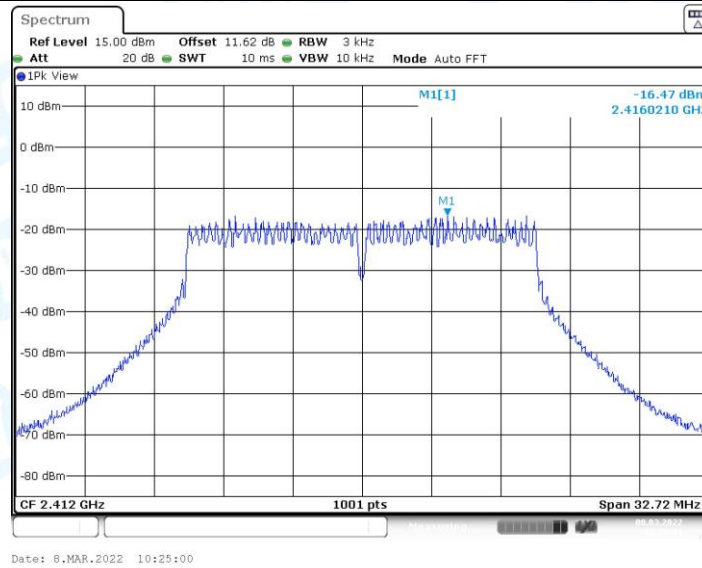
4.1. Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.87	≤8.00	PASS
		2437	-7.86	≤8.00	PASS
		2462	-7.95	≤8.00	PASS
11G	Ant1	2412	-16.47	≤8.00	PASS
		2437	-13.73	≤8.00	PASS
		2462	-16.11	≤8.00	PASS
11N20SISO	Ant1	2412	-16.18	≤8.00	PASS
		2437	-15.28	≤8.00	PASS
		2462	-14.47	≤8.00	PASS

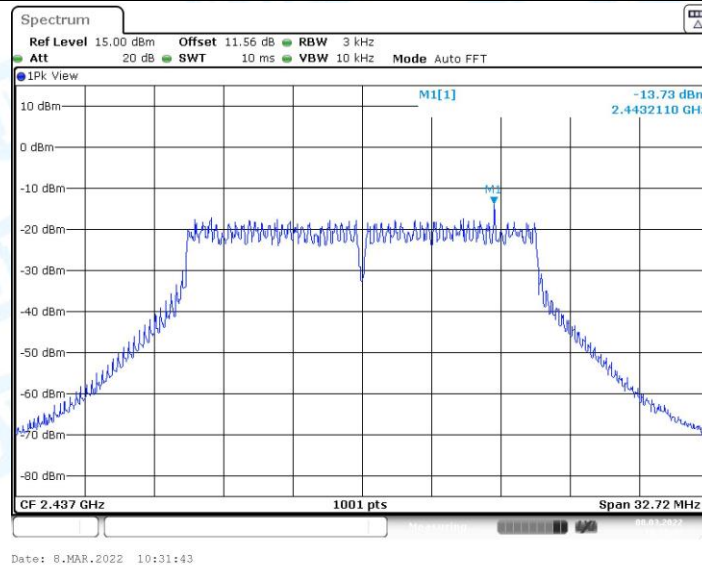
4.2. Test Graphs



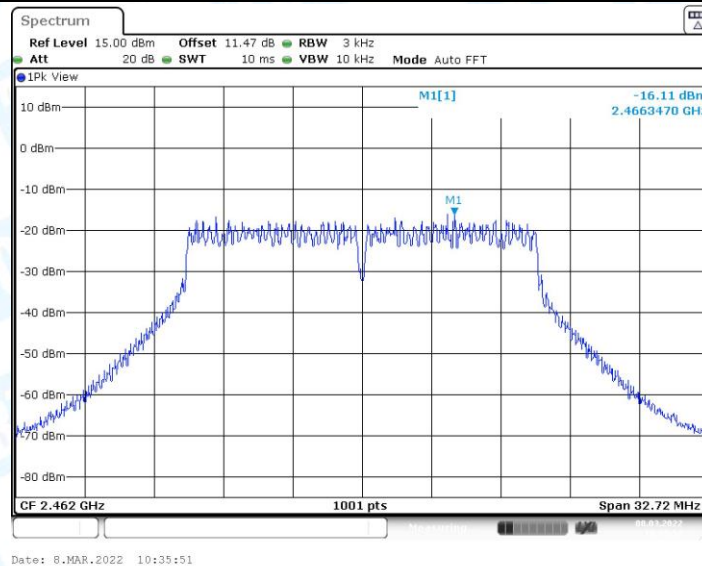
11G_Ant1_2412



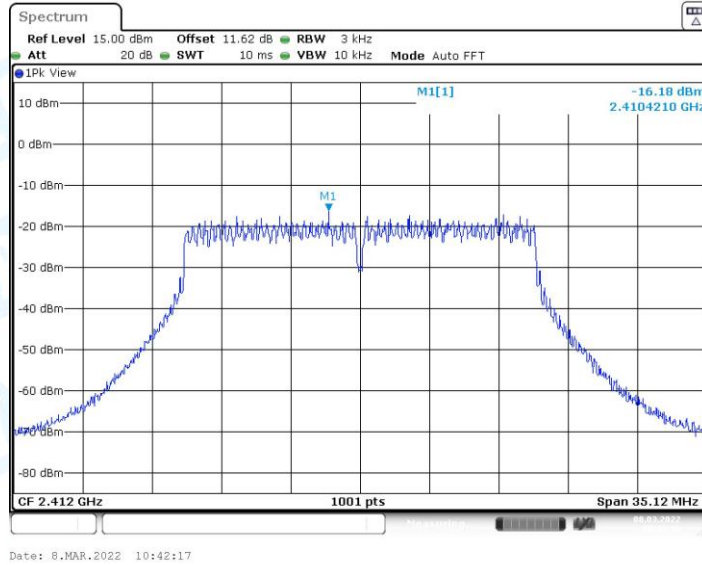
11G_Ant1_2437



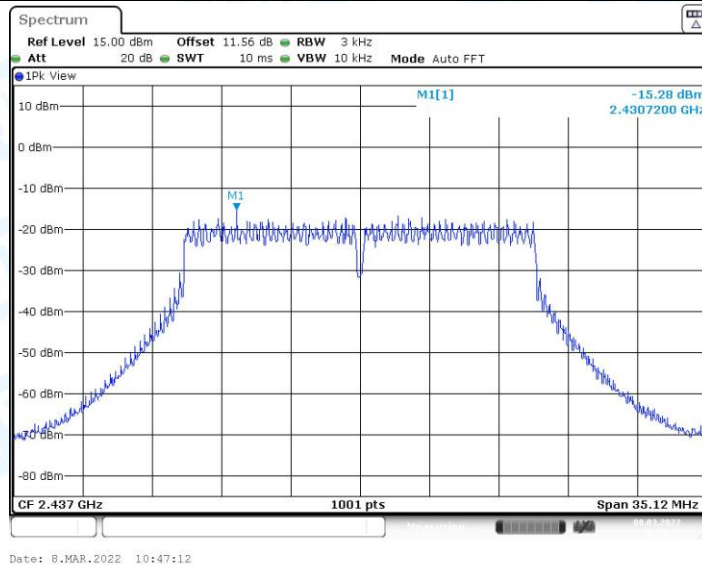
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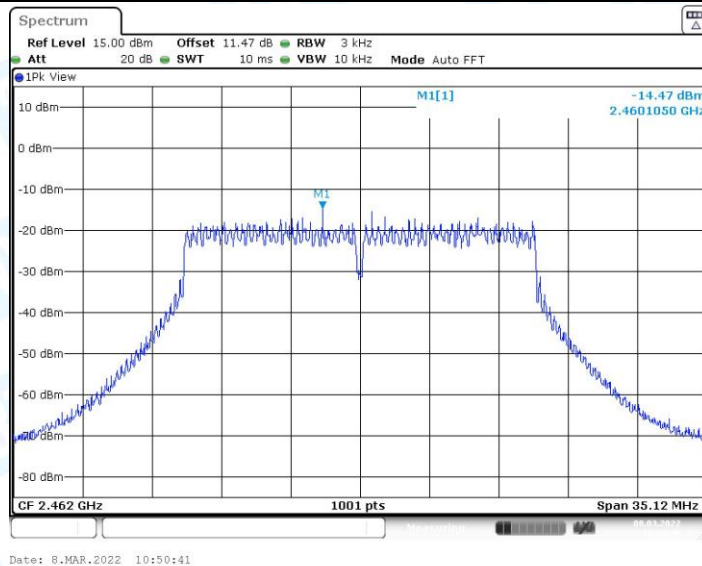
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



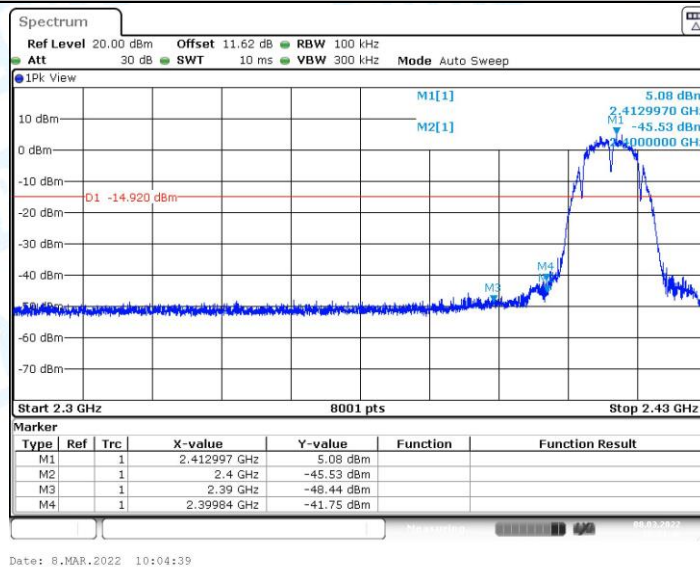
5. Band edge measurements

5.1. Test Result

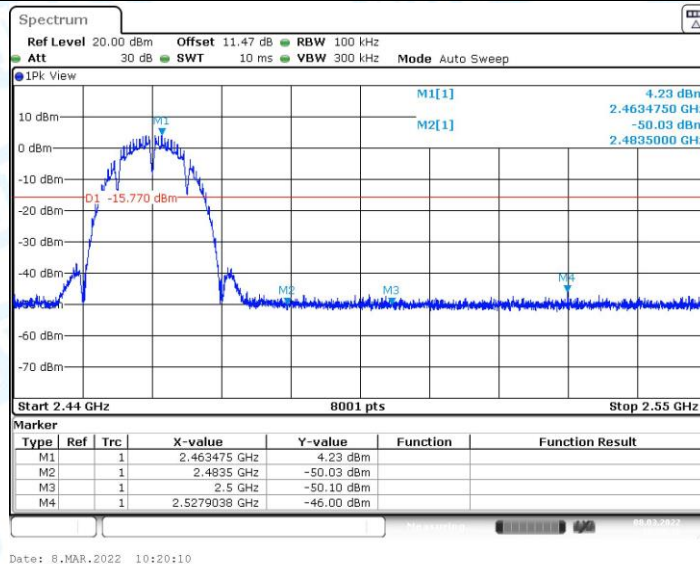
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.08	-41.75	≤ -14.92	PASS
		High	2462	4.23	-46	≤ -15.77	PASS
11G	Ant1	Low	2412	-2.88	-39.54	≤ -22.88	PASS
		High	2462	-3.06	-46.79	≤ -23.06	PASS
11N20SISO	Ant1	Low	2412	-2.74	-38.74	≤ -22.74	PASS
		High	2462	-2.87	-47.17	≤ -22.87	PASS

5.2. Test Graphs

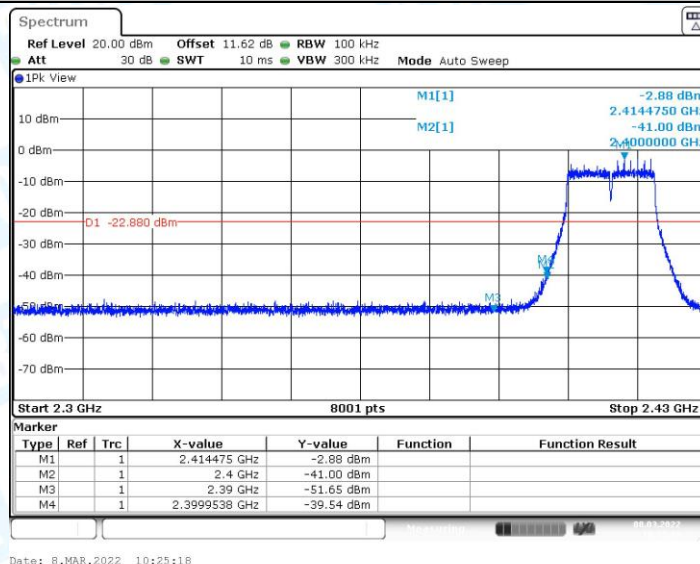
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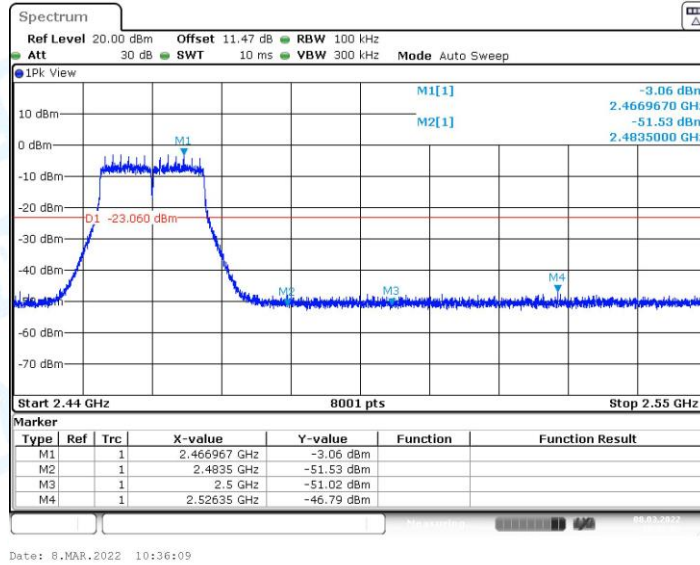
11B_Ant1_High_2462



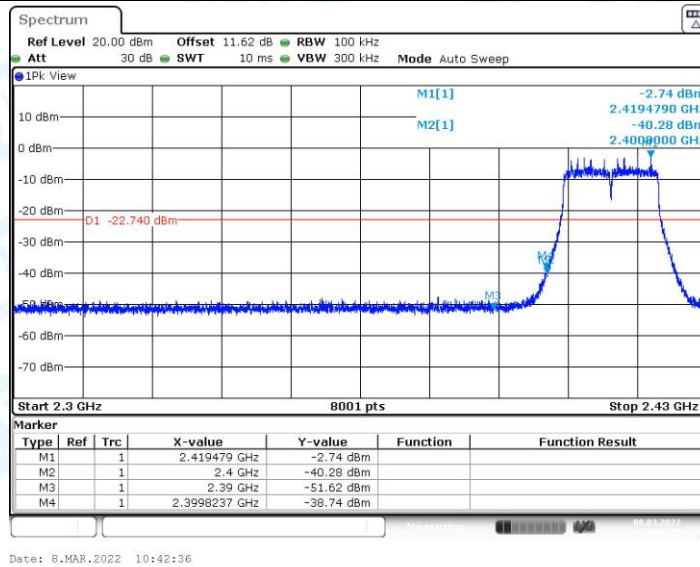
11G_Ant1_Low_2412



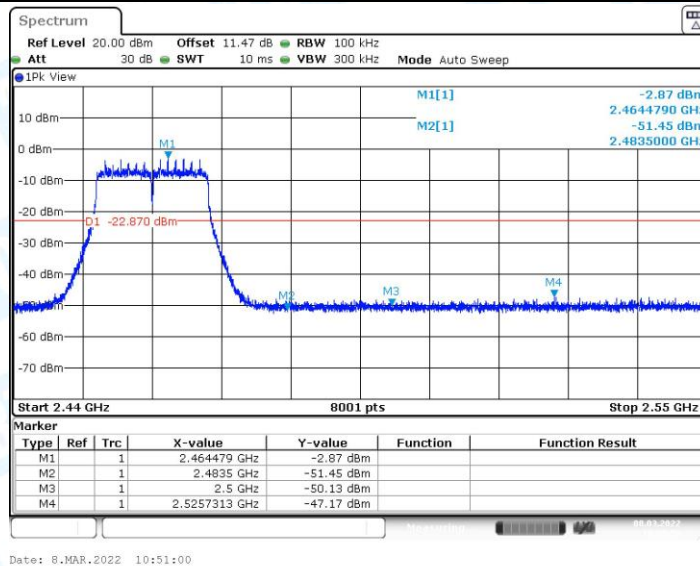
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

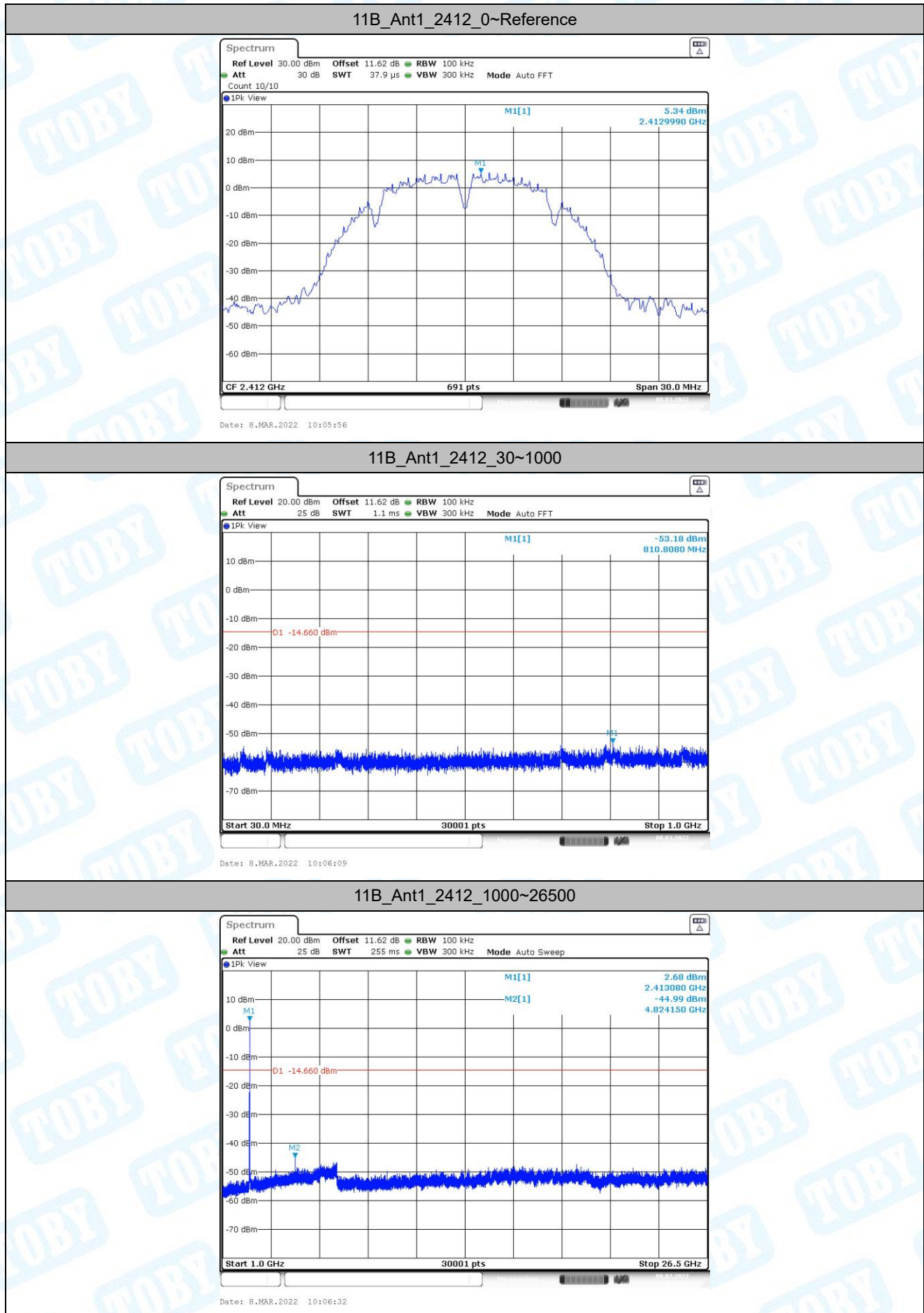


6. Conducted Spurious Emission

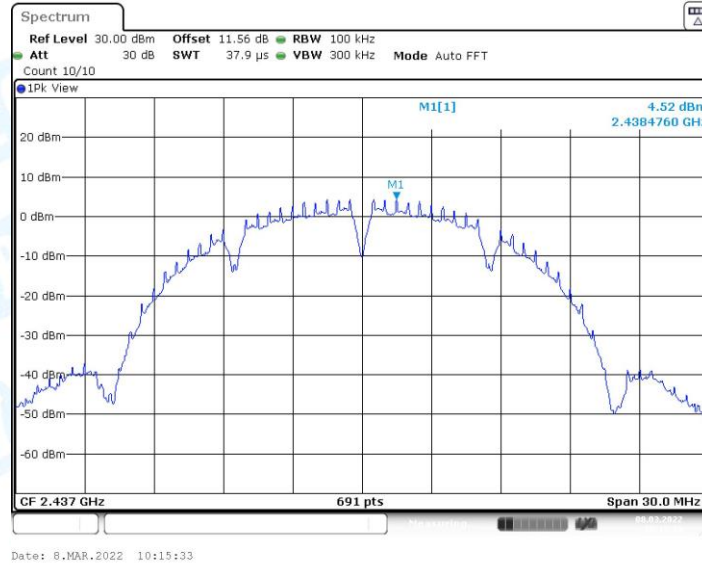
6.1. Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.34	5.34	---	PASS
			30~1000	5.34	-53.18	≤-14.66	PASS
			1000~26500	5.34	-44.99	≤-14.66	PASS
		2437	Reference	4.52	4.52	---	PASS
			30~1000	4.52	-53.44	≤-15.48	PASS
			1000~26500	4.52	-19.02	≤-15.48	PASS
		2462	Reference	3.88	3.88	---	PASS
			30~1000	3.88	-53.99	≤-16.12	PASS
			1000~26500	3.88	-19.56	≤-16.12	PASS
11G	Ant1	2412	Reference	-2.67	-2.67	---	PASS
			30~1000	-2.67	-52.26	≤-22.67	PASS
			1000~26500	-2.67	-36.59	≤-22.67	PASS
		2437	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-53.27	≤-22.7	PASS
			1000~26500	-2.70	-37.46	≤-22.7	PASS
		2462	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-53.46	≤-22.8	PASS
			1000~26500	-2.80	-38.55	≤-22.8	PASS
11N20SISO	Ant1	2412	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-53.26	≤-22.77	PASS
			1000~26500	-2.77	-35.72	≤-22.77	PASS
		2437	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-52.55	≤-22.37	PASS
			1000~26500	-2.37	-35.75	≤-22.37	PASS
		2462	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-52.85	≤-23.19	PASS
			1000~26500	-3.19	-38.37	≤-23.19	PASS

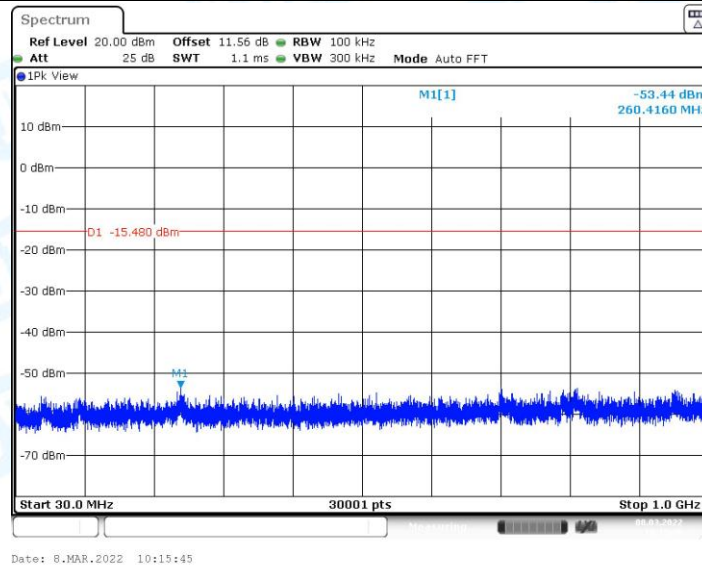
6.2. Test Graphs



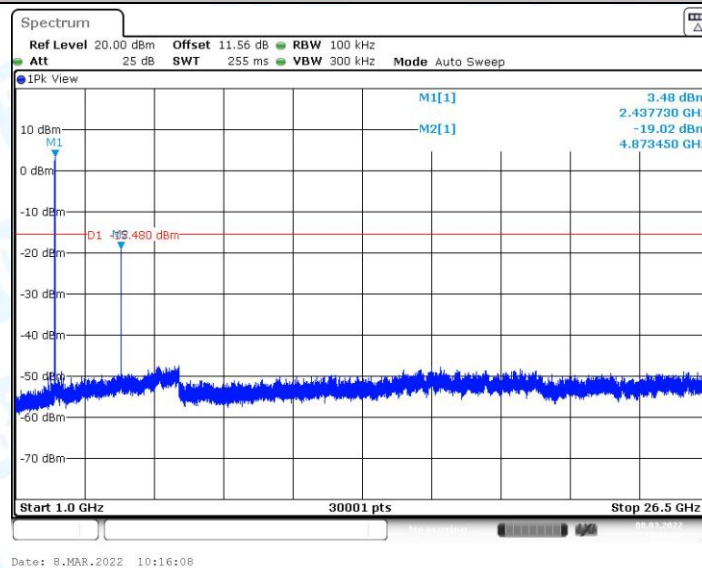
11B_Ant1_2437_0~Reference



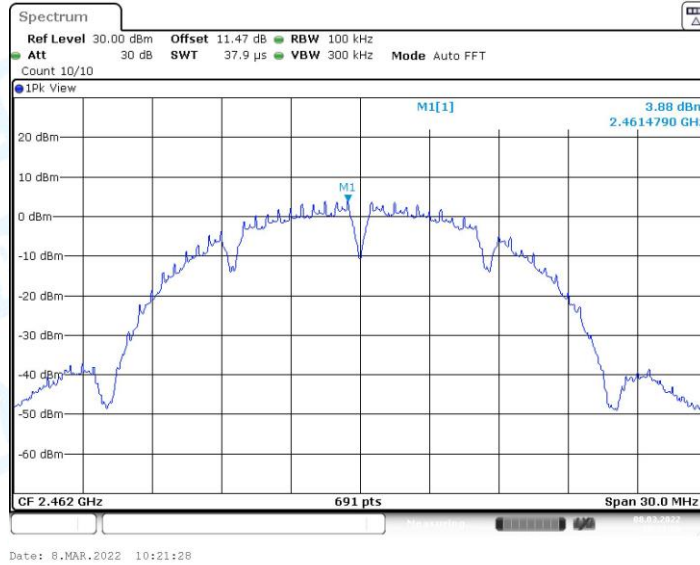
11B_Ant1_2437_30~1000



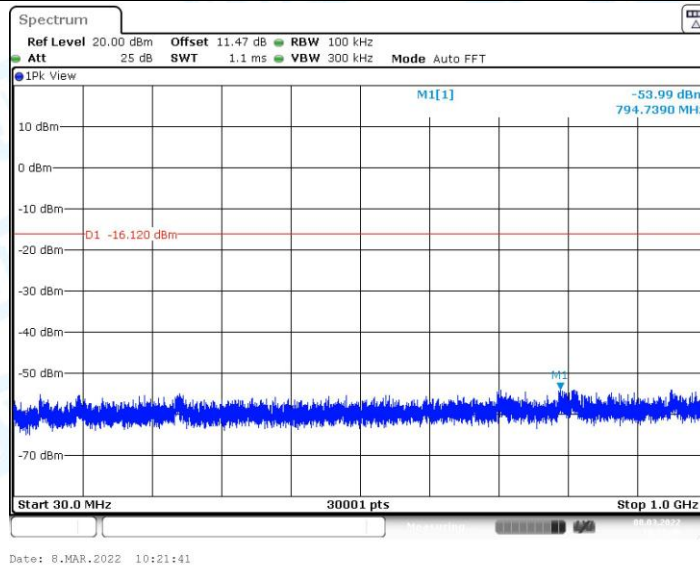
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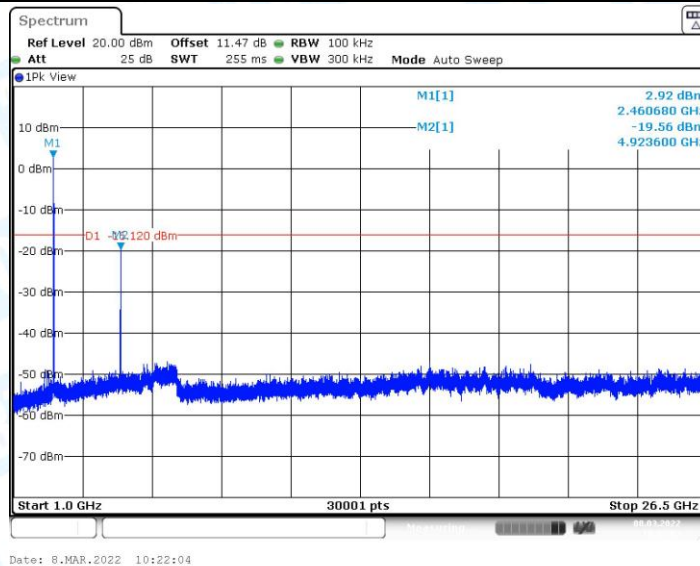
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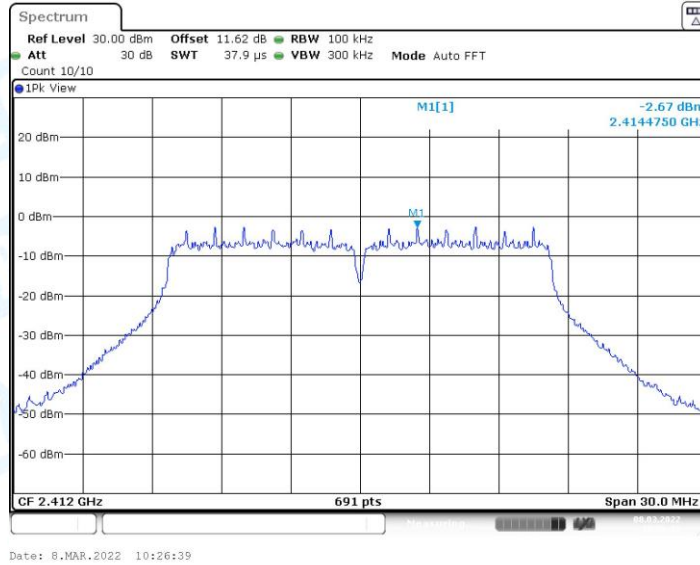
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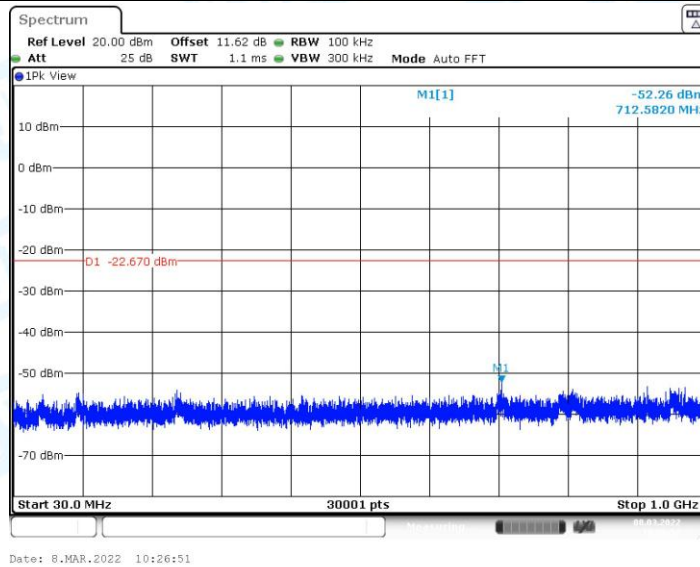
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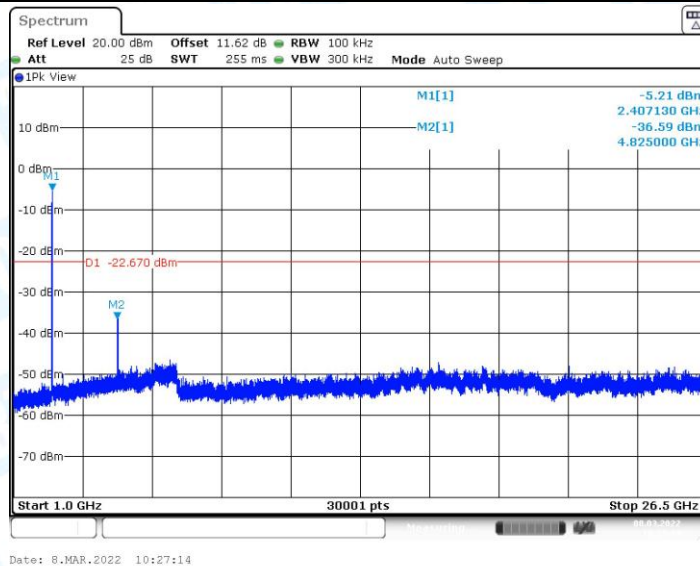
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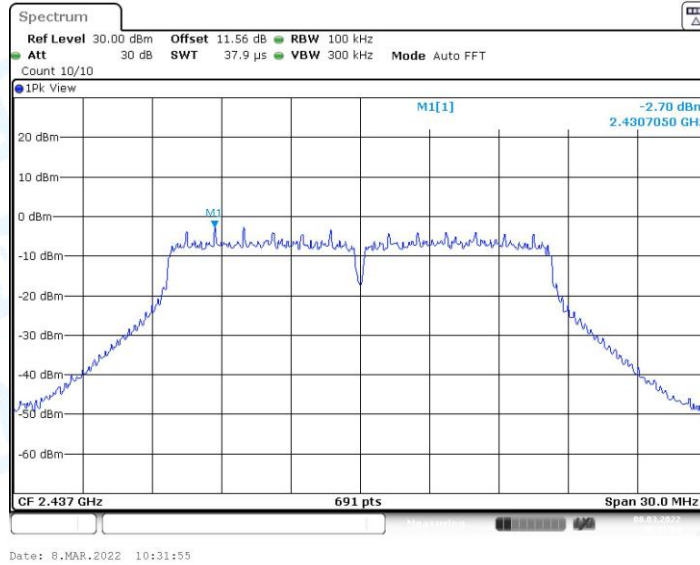
11G_Ant1_2412_30~1000



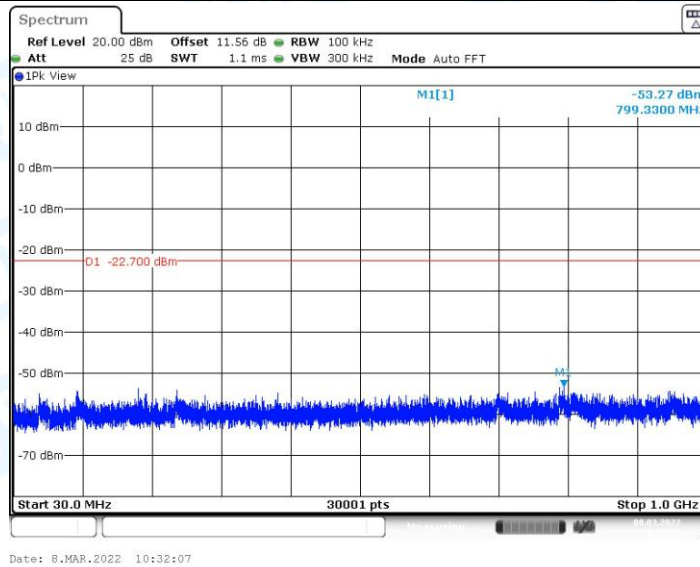
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

